



Forest Wetlands Et Lakes

Jammu & Kashmir

(A Remote Sensing Based Inventory)



Study Under CAMPA

J&K Forest Department
Government of Jammu & Kashmir

(Jammu Office) Van Bhawan, Near Gumat Jammu,
J&K - 180001- (Phone/Fax): 0191- 2547276

(Srinagar Office) Forest Complex, Sheikh Bagh, Near Lal
Chowk, Srinagar, J&K - 190001- (Phone/Fax): 0194- 2455027



Executed by

**Department of Ecology,
Environment & Remote Sensing**
Government of Jammu & Kashmir

(Jammu Office) Paryawaran Bhawan, Gladni, Transport Nagar,
Narwal, Jammu, Tawi - 180006 (Phone/Fax): 0191- 2474553
(Srinagar Office) SDA Housing Colony Bemina, Srinagar-190018
(Phone/Fax): 0194-2494585



Sanjeev Verma, IAS



Commissioner/Secretary to Govt.,
Forest, Environment & Ecology
Government of Jammu & Kashmir



MESSAGE

Wetlands are one of the most important natural resources of our UT. Apart from being most valuable natural habitat for number of flora and fauna, these wetlands are lifeline for number of communities as they are directly linked to the livelihood of the local populations & act as vital part of hydrological cycle. These wetlands have multipronged values and functions like - preventing floods, protecting shoreline, recharging aquifers with purified water, acting as global climate stabilizers and CO₂ absorbers, and as wildlife habitat. Wetlands are known as –“Kidneys of the Landscape”

Wetlands have been under constant threat of environmental degradation due to natural as well as anthropogenic activities, leading to environmental disasters like flood & drought. To combat these environmental catastrophes linked to wetlands it is imperative to have a baseline data on these water resources which will help in formulating the strategy & management action plan for sustainable, wise use and conservation planning of water resources of Jammu & Kashmir.

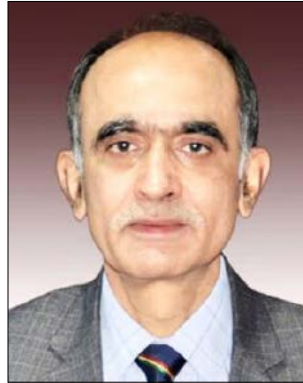
I congratulate Dr. Tasneem Keng & her team for taking a step towards this concern and documenting the wetlands with in forests of Jammu & Kashmir (using Remote Sensing and GIS technologies) depicting the spatial extent of each wetland, geo-coordinates, location and present status. Hope this work would serve the appropriate purpose for which it is intended.

Sanjeev Verma

Dr. Mohit Gera, IFS



**PCCF & HoFF, J&K Forest
Department Chairman, J&K
Biodiversity Council**



MESSAGE

Forests are nature's greatest bounty to mankind and play a very significant role in its well-being. Besides providing shelter and protection to a large number of living beings, they offer a variety of ecosystem services. Provisioning of fresh water is one of the most important forest ecosystem services. Jammu & Kashmir has been bestowed with around 48% forest area and plenty of freshwater resources which have influenced communities and habitats over the years. Wetlands are also crucial to the well-being of forest ecosystems. These forest wetlands are priceless treasures that need to be conserved for the future. These freshwater ecosystems exhibit extensive biodiversity, function as filters for pollutants, and are important for carbon sequestration. Moreover, these natural resources act as a vital part of hydrological cycle and play a significant role in flood & drought mitigation.

The Geospatial Technology based forest wetland mapping has proved to be the best baseline data for conservation and management of wetlands. I am sure that this type of study will help to monitor, conserve and manage the wetlands in a better way. This report on 'Forest Lakes and Wetlands', prepared by Department of Ecology, Environment, and Remote Sensing comprises of maps and baseline information on waterbodies in forest areas of Jammu & Kashmir. The report can play a very vital role to build robust and sound information system for formulating conservation & management strategies for these waterbodies. This report shall be very useful to forest department in strengthening its prevention and control measures besides future planning.

I congratulate the department of Ecology, Environment and Remote Sensing and acknowledge its contribution in this endeavour.

(Dr. Mohit Gera) IFS



MESSAGE

Forests play a pivotal role in the hydrological cycle by influencing how water is routed and stored in a watershed. This consequently plays a vital role in the preservation of our waterbodies, which act as natural reservoirs and are extremely rich in terms of both biodiversity and the ecological services that they provide. Sustainable management of these waterbodies, especially within forests, is of fundamental importance for protection against natural hazards as well as for ensuring regular supplies of good quality fresh water, besides ensuring health and sustainability of ecosystems.

Realizing the capability of geo-spatial technologies in generating and integrating resource information in easy and user-friendly manner, an attempt has been made by the Department of Ecology, Environment and Remote Sensing J&K to map the waterbodies (wetlands, lakes and ponds) within forests of Jammu and Kashmir in order to generate digital database of various themes or layers for their better conservation, planning and management.

I appreciate the hard work rendered by the project team headed by Dr. Tasneem Keng and Dr. Majid Farooq of this Department in bringing out this document. I sincerely hope that the document will help in formulating strategies for effective conservation and management of these waterbodies in forests of Jammu and Kashmir.

Dr. Neelu Gera

Dr. Tasneem Keng



**Scientist-H / Principal Investigator
Wetlands of Forest Ecology,
Environment & Remote Sensing
Government of Jammu & Kashmir**



ACKNOWLEDGMENTS

Geospatial Information Systems (GIS) & Remote Sensing plays a vital role in identifying changes in different land covers like Waterbodies, Forest, Agriculture etc. The data generated helps in identifying the problems and formulating strategies for managing and conserving these resources mapping of forest wetlands of Jammu and Kashmir is one such step towards the generation of digital database for use of planners for conservation, and management of Forest wetlands to ensure quantity and quality of available fresh water as these wetlands are the main source of available freshwater in the UT.

I express my deep indebtedness to Sh. Sanjeev Verma, IAS, Commissioner/Secretary to Government, Forest, and Ecology & Environment J&K Government for his keen interest in Remote Sensing Application activities of the Department including the present study. I am highly thankful to Dr. Neelu Gera, IFS PCCF/Director Ecology, Environment & Remote Sensing, J&K for taking the initiative & making me determined to continue, to revise, and strive for improvement. Her willingness to listen, discuss and render critical judgments helped me to produce this report in its present shape.

I express my deep gratitude to Dr. Mohit Gera, IFS (HoFF) for providing valuable inputs to make the report more user friendly and planning oriented.

Dr. Tasneem Keng

DOCUMENT CONTROL SHEET

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5.	Project Team	Syed Aasif Farooq, Muzamil Ahmad Rather, Mudasir Ashraf
6.	Abstract	<p>This report presents an overview of the status of our knowledge of wetlands and waterbodies at the present time-what they are, where they are found, why they are important, and the controversies surrounding them, with an emphasis on their hydrology. This report and associated dataset is produced by Department of Ecology Environment and Remote Sensing and funded through the National Water Commission's Groundwater Action Plan Fund.</p> <p>Wetlands are often referred to as 'the world's kidneys' because they purify and slow the flow of water to the sea, helping to control floods and water pollution. For the past few centuries, wetlands have been drained or altered to accommodate human needs. This continues to happen, although at a slower rate than in the past. As people have begun to recognize what is lost when wetlands are destroyed, efforts have been made to restore lost wetlands or to create new ones. Restoration and creation of wetlands can help maintain the quality of wetlands and their surrounding ecosystems, and at the same time accommodate the human need for development. Although indications are that some replacement can be successful. Scientific knowledge about wetland restoration and creation differs by wetland type, function, and location. The more complex the hydrology and ecology of a system, the more difficult it is to restore the system.</p>

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Disclaimer

The extent of mapping does not represent the legal boundaries of the lakes/wetlands. The area figure depends on the seasonal variability as the same keeps on changing due to dynamics of phenology and water spread.

The boundary is subjected to verification as per revenue records

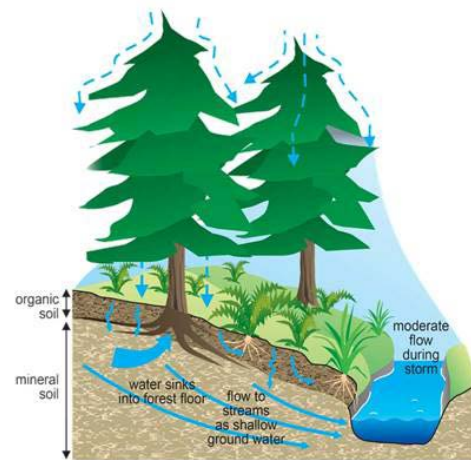
Introduction

Forests and Wetlands

THE INTERACTIONS

The availability and quality of water is known to be strongly influenced by the forests. The relationship between forests and water is crucial and critical to the wellbeing of all living beings. Forests are generally considered to be the best land use to maximize water yield, regulate seasonal flows and ensure high water quality. Forest catchments supply high proportion of water availability for human consumption, agriculture, industry as well as maintenance of hydrological and ecological functions. Forest-water interactions represent a powerful adaptation tool that can provide important pathways for optimizing land use practices and water availability across space.

The UN Sustainable Development Goal's (SDG's) are essentially designed to provide frameworks for thinking about potential pathways to (more) sustainable and thus more consistently reproducible human well-being. The water goal (SDG6), for example, focuses on access to clean water, and SDG-6.6 focuses explicitly on 'the protection and restoration of water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes.'



FOREST WETLANDS AND SUSTAINABLE DEVELOPMENT GOALS

The 2030 Agenda for Sustainable Development built around 17 goals and 169 targets provide a comprehensive roadmap for a sustainable future. India has expressed complete alignment of national developmental agenda with the SDGs.

The wise use of forest wetlands directly contributes to the following goals and targets:

- **SDG 1** - Provide opportunities for poverty reduction through sustainable tourism and other livelihood generation options.
- **SDG 3** - Tourists seek relaxation particularly in high altitude wetland areas for good health and well-being.
- **SDG 4** - Can act as best source of Quality Education in terms of research on water related ecosystems.
- **SDG 6** - Directly contributes to protection and restoration of water-related ecosystems. Almost all the freshwater for consumptive purpose is derived from Wetlands.
- **SDG 7** - Sustainable upstream water management can provide affordable and clean energy.
- **SDG 8** - Can support implementing policies for sustainable wetland tourism
- **SDG 11** - Well conserved wetlands contributes to safeguarding cultural and natural heritage
- **SDG 13** -Directly contributes to strengthening resilience and adaptive capacity to climate-related hazards and natural disasters (such as GLOFs) besides being sinks for Carbon.
- **SDG 15** - 40% of world species live in Wetlands and these wetlands are an integral part of conservation of mountain ecosystems and their biodiversity.

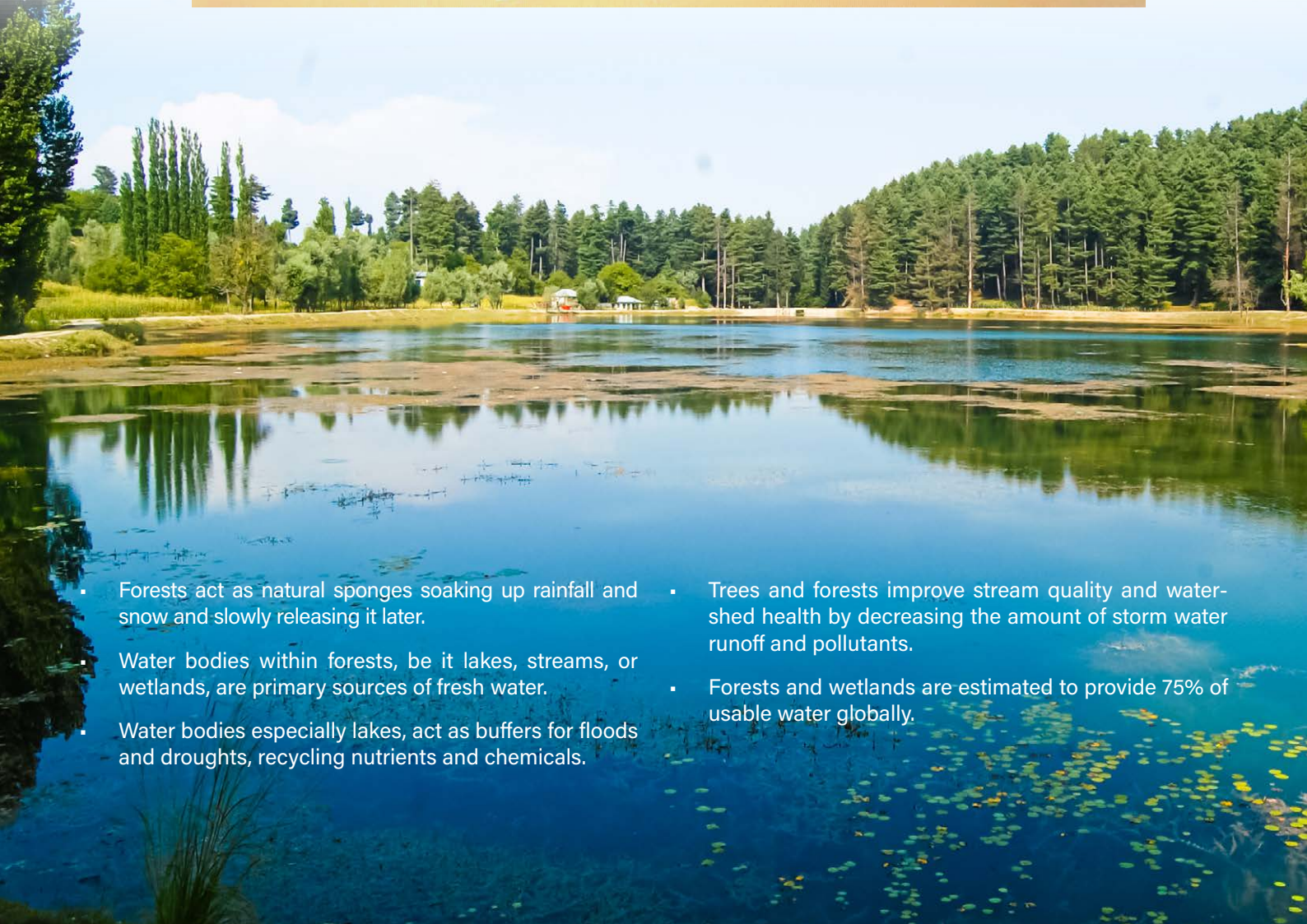
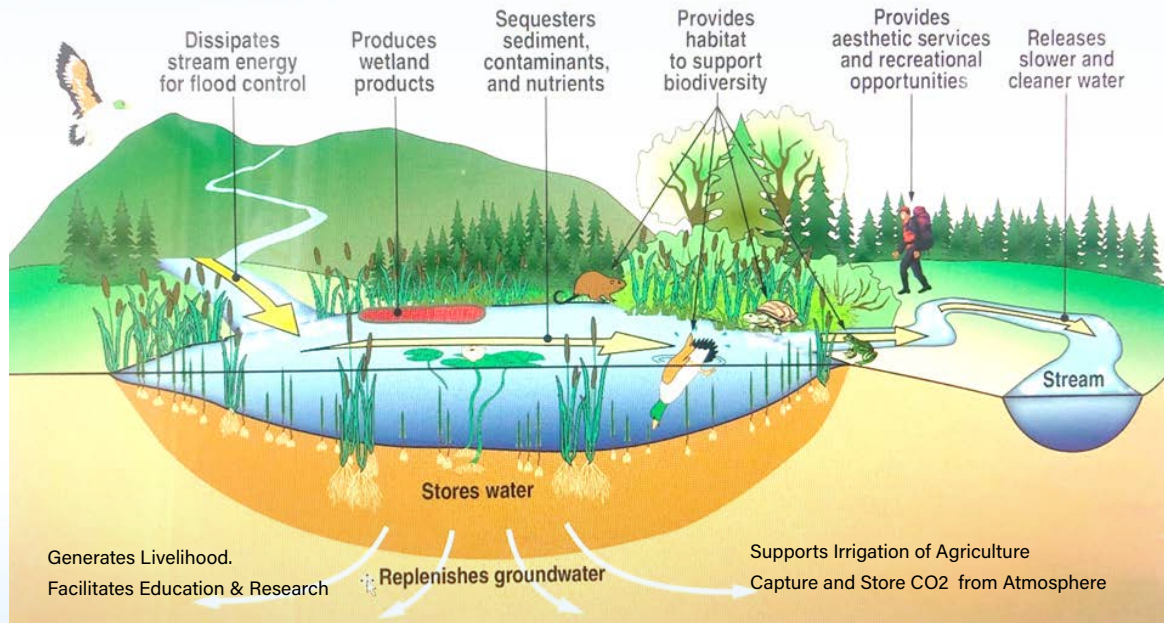
WETLANDS

Wetlands are areas where water is the primary factor controlling the environment and the associated plant and animal life.

- According to most widespread definition wetlands are defined as: "lands transitional between terrestrial and aquatic ecosystems where the water table is usually at or near the surface or the land is covered by shallow water".
- Ramsar Convention on Wetlands define wetlands as: "areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six metres".
- Wetlands can be defined as areas that are inundated with water, permanently or seasonally. They occur where water meets land.

A broad range of positive forest-water interactions can help to address dwindling water availability, especially in the context of climate change. Forest-water interactions can also help to restore and improve groundwater recharge, terrestrial surface cooling and the improvement of water flows.

The challenges posed by the population growth with anthropogenic interventions and the rising demand for agricultural products, urbanization, rapid technological and economic change, increasing affluence, globalization continue to impose increasing pressures on the forests and other green spaces. Conserving and enhancing forest cover including grasslands in the watersheds is often the most effective measure to enhance water availability for agriculture, domestic, industrial and various other uses.



- Forests act as natural sponges soaking up rainfall and snow and slowly releasing it later.
- Water bodies within forests, be it lakes, streams, or wetlands, are primary sources of fresh water.
- Water bodies especially lakes, act as buffers for floods and droughts, recycling nutrients and chemicals.
- Trees and forests improve stream quality and watershed health by decreasing the amount of storm water runoff and pollutants.
- Forests and wetlands are estimated to provide 75% of usable water globally.

Forest Wetlands & Lakes of J&K at a Glance

Jammu and Kashmir holds a key position in Indian ecological and geographical context, due to its unique location in the Himalayan region, as a home to magnificent flora and fauna. The climatic conditions and landscape pattern of the area renders it as a unique context, harboring natural resources, tourism destinations including high altitude alpine lakes, as well as potential regions for scientific explorations. The geographic location of Jammu and Kashmir varies from 32°16'28.955"N - 34°49'31.149"N latitude and 73°44'59.017"E - 76°46'20.057"E longitude. It shares boundary with Punjab & Himachal Pradesh in the South, Pakistan in the West and UT of Ladakh in the East. The recorded forest area of Jammu & Kashmir is 20194 km² (ISFR-2021). The forests of Jammu and Kashmir play an important role in preserving the ecosystems of the region and for the economy of the area. Both lotic and lentic wetlands are found here and most of them are fed snow/glacial melt, while a few are dependent on annual precipitation. In order to conserve, protect and manage the forests and wetlands of Jammu and Kashmir, it is important to employ modern scientific technology for mapping the available natural resources for protection, management and sustainable use. The Jammu and Kashmir is geographically divided into two primary regions, viz Jammu Province and Kashmir Province.

The present estimate of Wetlands (Lakes and Ponds) mapped within forest and wildlife areas of J&K is 905 consisting of 533 Lakes and 372 ponds covering an area of 20890 hectares.

A total of 445 Wetlands (Lakes and Ponds) have been mapped within forest and wildlife areas of Jammu Province, which include 150 lakes and 295 ponds, covering an area of 387.80 hectares.

In Kashmir province a total of 460 Wetlands (Lakes and Ponds) have been mapped, which include 383 Lakes and 77 ponds, covering an area of 20496 hectares.

During this exercise universal coding of these Wetlands (Lakes and Ponds) was done following the 16-digit Coding system for various geographical entities & census data, which is intended to be made available online on the ssdi.jk.gov.in (a geoportal for geographic database of Jammu and Kashmir).

Disclaimer: For the purpose of this Atlas "Wetlands" include only lakes and ponds within Forests and wildlife areas of Jammu & Kashmir. Besides, the boundaries of wetlands do not represent the legal boundaries and hence should not be used for legal purpose.

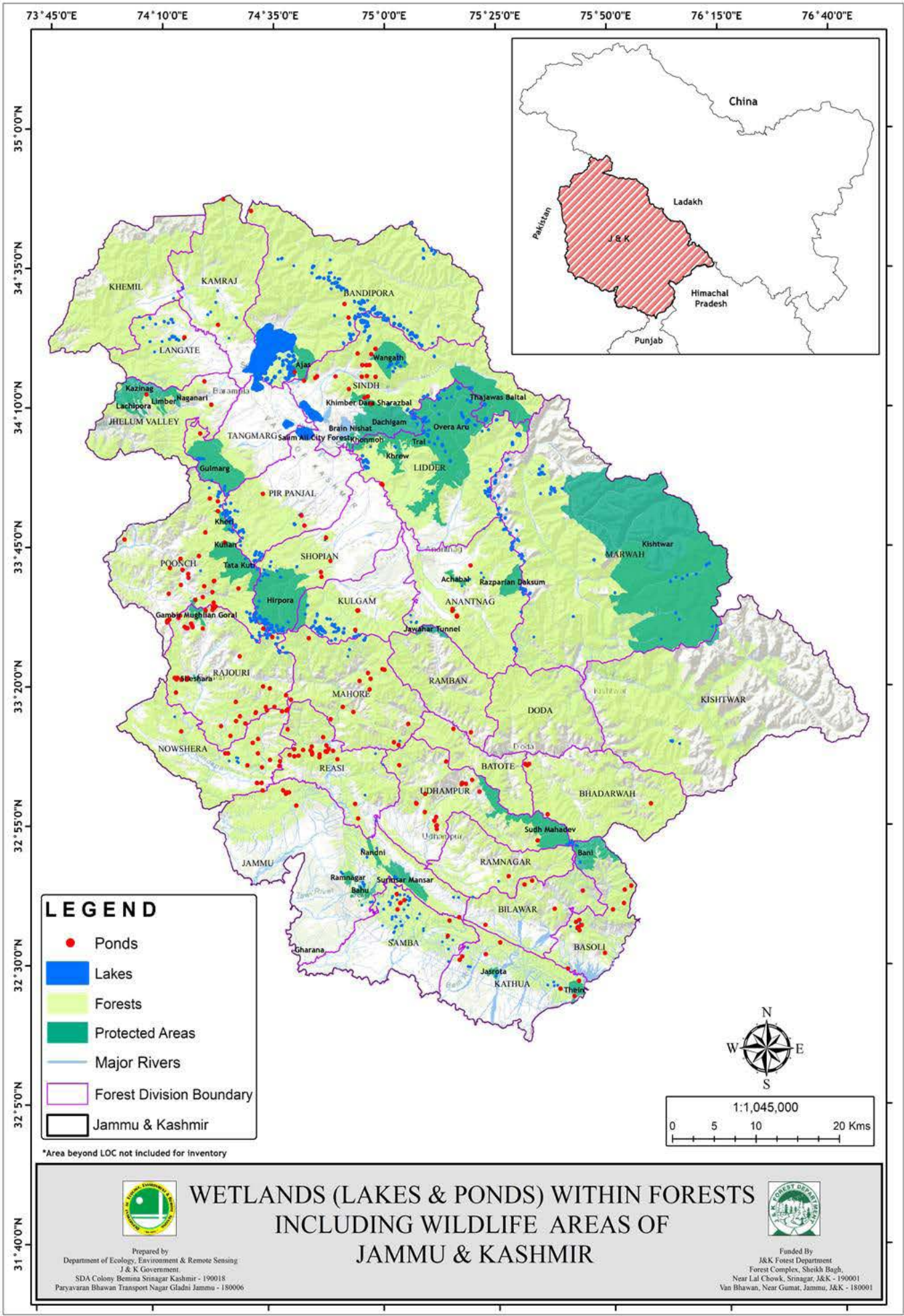
Wetlands (Lakes and Ponds) within Forests including Wildlife areas

Wetlands (Lakes & Ponds) of Jammu Province							
	Within Forest		Within Wildlife areas		Total Lakes	Total Ponds	Total Wetlands
	Lakes	Ponds	Lakes	Ponds			
TOTAL	115	290	35	05	150	295	445
	405	40	445				

Wetlands (Lakes & Ponds) of Kashmir Province							
	Within Forest		Within Wildlife areas		Total Lakes	Total Ponds	Total Wetlands
	Lakes	Ponds	Lakes	Ponds			
TOTAL	348	72	35	05	383	77	460
	420	40	460				

Summary of Wetlands (Lakes and Ponds) in Forests including Wildlife Protected Areas of J&K			
	Within Forest	Within Wildlife Areas	Total
Total Lakes J&K	348(K) + 115 (J) = 463	35(K) + 35 (J) = 70	463 (K)+70(J) = 533
Total Ponds J&K	72(K)+290(J) = 362	5(K)+5(J) = 10	362(K)+10(J) = 372
Grand Total of J&K	825	80	905

WETLANDS	Within Forest area	Within Forest Areas dedicated to Wildlife Protection	Total No of Wetlands (Lakes/Ponds)
Lakes	463	70	533
Ponds	362	10	372
TOTAL	825	80	905

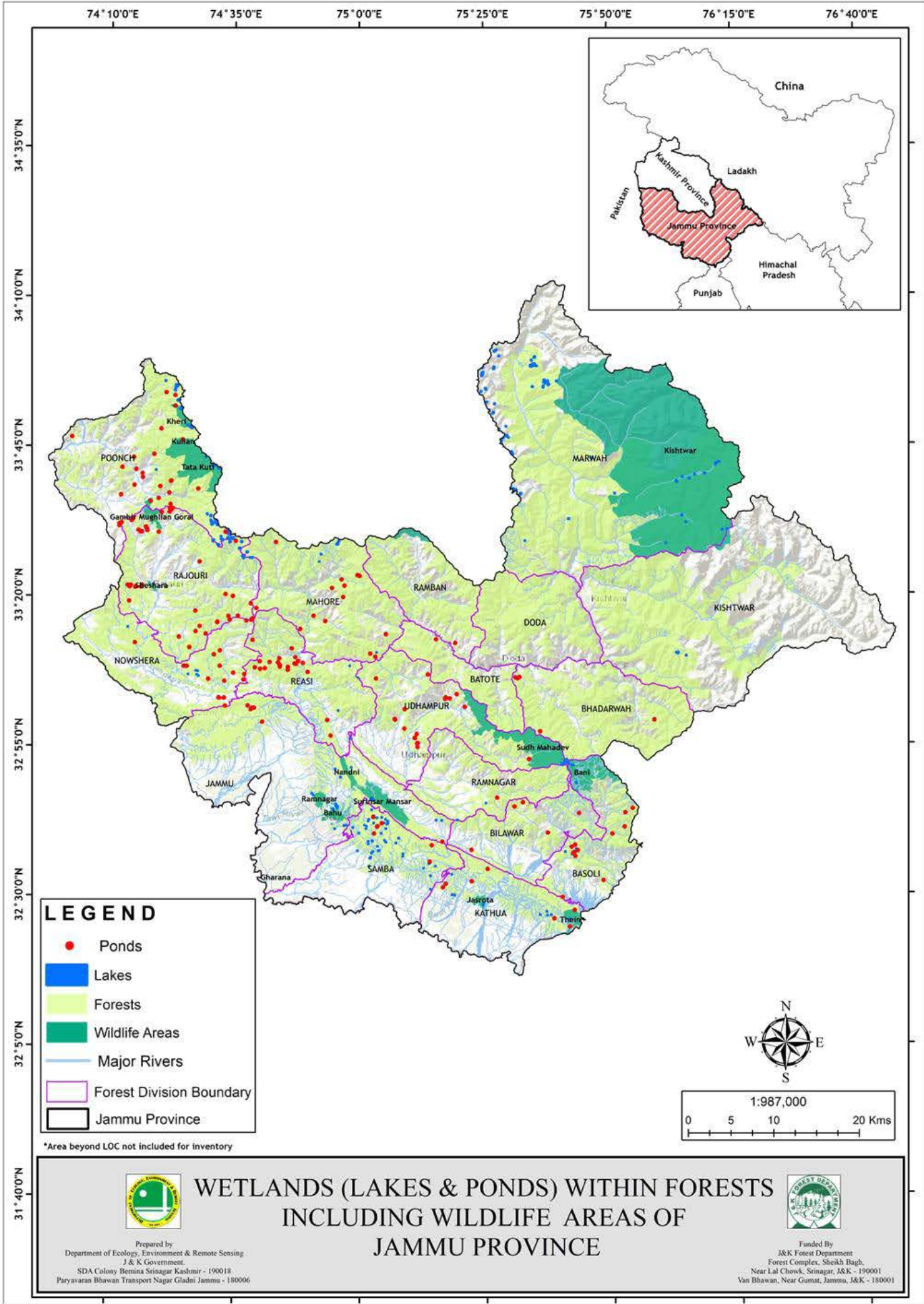


Jammu Province

The Jammu Province is primarily hilly and includes the Pir Panjal Range which separates it from the Kashmir Valley, and part of the Great Himalayas in the eastern districts of Doda and Kishtiwari. Forest Divisions of Jammu Province lies between latitude 32°16'19.746"N - 34°12'59.8"N and longitude 73°57'11.293"E -76°46'54.51"E . The altitude of the Forest Divisions of Jammu Province ranges from 189 – 6504 m above mean sea level. The Jammu Province comprises of 18 forest divisions (Basholi, Batote, Bhadarwah, Bilawar, Doda, Jammu, Kathua, Kishtiwari, Mahore, Marwah, Nowshera, Poonch, Rajouri, Ramban, Ramnagar, Reasi, Samba and Udhampur). The province spans approximately 258 km in width and 222 km in length with principal rivers Chenab and Tawi flowing through it.

Wetlands (Lakes and Ponds) within forests including wildlife areas (Forest division-wise)							
Division	Within Forest		Within Wildlife areas		Total Lakes	Total Ponds	Total Wetlands
	Lakes	Ponds	Lakes	Ponds			
Basoli	03	18	00	00	3	18	21
Batote	00	01	00	00	0	1	01
Bhaderwah	05	06	00	00	5	6	11
Bilawar	01	05	00	00	1	5	06
Doda	00	00	00	00	0	0	00
Jammu	00	24	02	00	2	24	26
Kathua	00	16	00	02	0	18	18
Kishtiwari	03	00	00	00	3	0	03
Marwah	56	00	15	00	71	0	71
Mahore	08	16	00	00	8	16	24
Nowshehra	00	24	00	00	0	24	24
Poonch	31	26	18	02	49	28	77
Ramnagar	00	02	00	00	0	2	02
Ramban	00	01	00	00	0	1	01
Reasi	00	26	00	01	0	27	27
Samba	00	57	00	00	0	57	57
Udhampur	01	21	00	00	1	21	22
Rajouri	07	47	00	00	7	47	54
TOTAL	115	290	35	05	150	295	445
	405		40		445		
Total Lakes in Jammu			115 (F)+35(W) = 150				
Total Ponds Jammu			290(F)+05(W) = 295				
Total			445				





UDHAMPUR FOREST DIVISION

1. Quick Info

Latitude:	32°49'36.09"N to 33°10'57.705"N
Longitude	74°59'19.81"E To 75°39'58.457"E
Altitude:	500 m to 4341 m
Area:	1268.2 sq.kms
Source	Working Plan for Udhampur Forest Division

2. Territorial Ranges:

Name of Range	Area (Sq. Kms)
Dudu	507.8
Pancheri	268.9
Udhampur	491.5
Total Area	1268.2 sq.kms

3. Climate:

Mostly sub-tropical climate prevails in Udhampur Range because in the low-lying hills of the tract, whereas a moist-temperate climate is experienced in Pancheri and Dudu ranges

4. Major Plant Species:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus roxburghii, Pinus wallichiana, Abies pindrow.</i>
Trees	<i>Quercus Spp, Celtis Spp, Acacia modesta, Acacia catechu, Bombax ceiba, Cassia fistula, Dalbergia sissoo, Ehretia laevis, Syzygium cumini, Flacourtia indica, Grewia optiva, Lannea coromandelica, Olea ferruginea, Pistacia integerrima, Emblica officinalis, Zyzyphus jujuba, Ficus bengalensis and Mangifera indica</i>
Shrubs	<i>Mallotus philippensis, Carissa opaca, Dodonaea viscosa, Punica granatum, Woodfordia fruticosa, Adhatoda vasica, Indigofera heterantha, Berberis lycium, Colebrookea oppositifolia, Nerium indicum, Daphne cannabina</i>
Climbers	<i>Bauhinia vahlii, Clematis gouriana, Tinospora cardifolia, Helinus lanceolatus, Vitis repanda, Caesalpinia bonduc</i>
Source	Working Plan for Udhampur Forest Division

5. Drainage and Hydro Morphology

- Dudu and Udhampur** ranges are drained by Tawi river which originates from the eastern limit of the division i.e., Seoj Dhar. It leaves the divisional boundary near Durush, cutting through Krahi dhar. Enroute, it is joined by a number of rivulets and nallas such as Deodi nalla, Margana nallah, Dewak, Gorikund nalla, Tan khad, Dudita nalla, Ghanku Gola nalla, Suralli da nalla, Marlid and Kali kund.
- Pancheri range** is drained by river Chenab through Panthal river and Mandial khad. The main tributaries of Panthal river are khads such as Nabi khad, Yabu khad, Surwe de khad, Summi khad and Panthal khad.

6. Waterbodies:

Apart from these rivers and nallas a number of springs and wetlands are present in the division. A total of twenty-two (22) waterbodies have been mapped in the division (using high resolution satellite images), with one lake and 21 ponds. All the ponds have been mapped as point feature owing to their small size

RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Udhampur	0	-	10
Dudu	1	4.93ha	9
Pancheri	0	-	2
Total	1	4.93	21

Table 1: Waterbodies/Ponds of Udhampur Forest Division

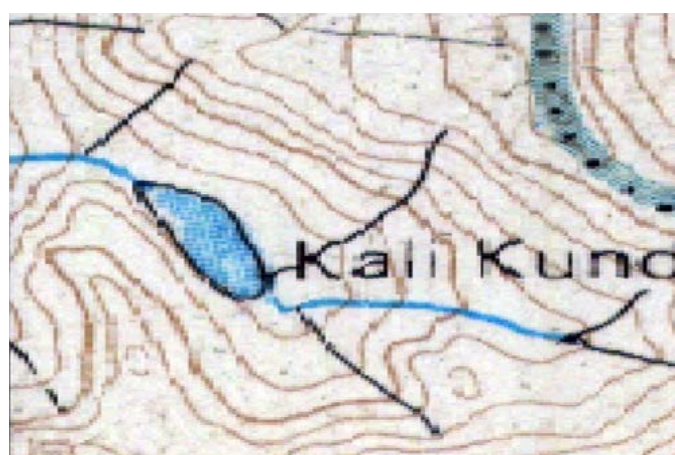
S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Kali Kund Sar	119744316090004	Dudu	041b/D	Dudu	Chill-I	4.9388	32° 52' 1.482" N	75° 40' 8.789" E
2	Arnoha	119744316090100	Dudu	047a/D	Dudu	Chill-II	NA	32° 52' 49.520" N	75° 33' 39.530" E
3	Tirchi Co-61/U	119724316010014	Udhampur	065/U	Bali Tirshi	Gangera	NA	32° 57' 58.600" N	75° 8' 56.000" E

4	Mandi Gali Bhatti, Co-56/U	119724315040072	Udhampur	060/U	Bali Tirshi	Narore	NA	33° 1' 14.000" N	75° 9' 1.000" E
5	Bhatti, Grid Station	119724315040074	Dudu	096/D	Kud	Karlah-I	NA	33° 3' 43.000" N	75° 19' 20.000" E
6	Jogi Tar	119734315080026	Dudu	104/D	Kud	Mantalai	NA	33° 1' 36.500" N	75° 20' 56.000" E
7	Chunur Morha	119724316010069	Udhampur	050/U	Bhati Mali	Pangara	NA	32° 59' 29.900" N	75° 7' 5.800" E
8	Pangara (near Kalka Mata)	119724316010070	Udhampur	050/U	Bhati Mali	Pangara	NA	32° 59' 35.900" N	75° 7' 0.800" E
9	Malgain	119724316010066	Udhampur	087a/U	Charat Pakhalai	Ossu-II	NA	32° 57' 3.900" N	75° 11' 23.600" E
10	Guni Sikha Talab	119744316010060	Udhampur	092/U	Charat Pakhalai	Thanoa	NA	32° 55' 34.900" N	75° 11' 35.500" E
11	Badhuni	119744316010058	Udhampur	091/U	Charat Pakhalai	Thanoa	NA	32° 54' 54.600" N	75° 11' 31.700" E
12	Morcha	119724316010061	Udhampur	092/U	Charat Pakhalai	Thanoa	NA	32° 55' 30.500" N	75° 11' 27.500" E
13	Baldow	119744316010064	Udhampur	Kotli	Rakh	Rakh	NA	32° 56' 25.400" N	75° 10' 58.800" E
14	Paskala	119744316010063	Udhampur	Kotli	Rakh	Rakh	NA	32° 56' 23.400" N	75° 11' 3.500" E
15	Sail Kori Bair	119724316010071	Panchari	003/P	Lander	Latyar	NA	33° 7' 1.000" N	75° 13' 38.980" E
16	Nagni Sheikh-Pura	0118*****082	Panchari	037/P	Damnote	Nali Nika-I	NA	33° 6' 22.460" N	75° 3' 18.480" E
17	Dogra I Co-89	119734315080081	Dudu	089/D	Kud	Madha	NA	33° 2' 55.079" N	75° 17' 1.606" E
18	Dogra II Co-89	119734315080082	Dudu	089/D	Kud	Madha	NA	33° 2' 55.079" N	75° 17' 1.606" E
19	Ancha ward No. 9	119734315080084	Dudu	097a/D	Kud	Margana	NA	33° 3' 0.377" N	75° 17' 58.703" E
20	Dogra I ward No. 6	119734315080085	Dudu	089/D	Kud	Madha	NA	33° 3' 6.065" N	75° 17' 15.571" E
21	Dogra III ward No. 6	119734315080086	Dudu	089/D	Kud	Madha	NA	33° 3' 9.261" N	75° 17' 8.282" E
22	Dogra IV ward No. 6	119734315080087	Dudu	089/D	Kud	Madha	NA	33° 3' 11.579" N	75° 17' 6.766" E

Note: * Unverified

Imageries

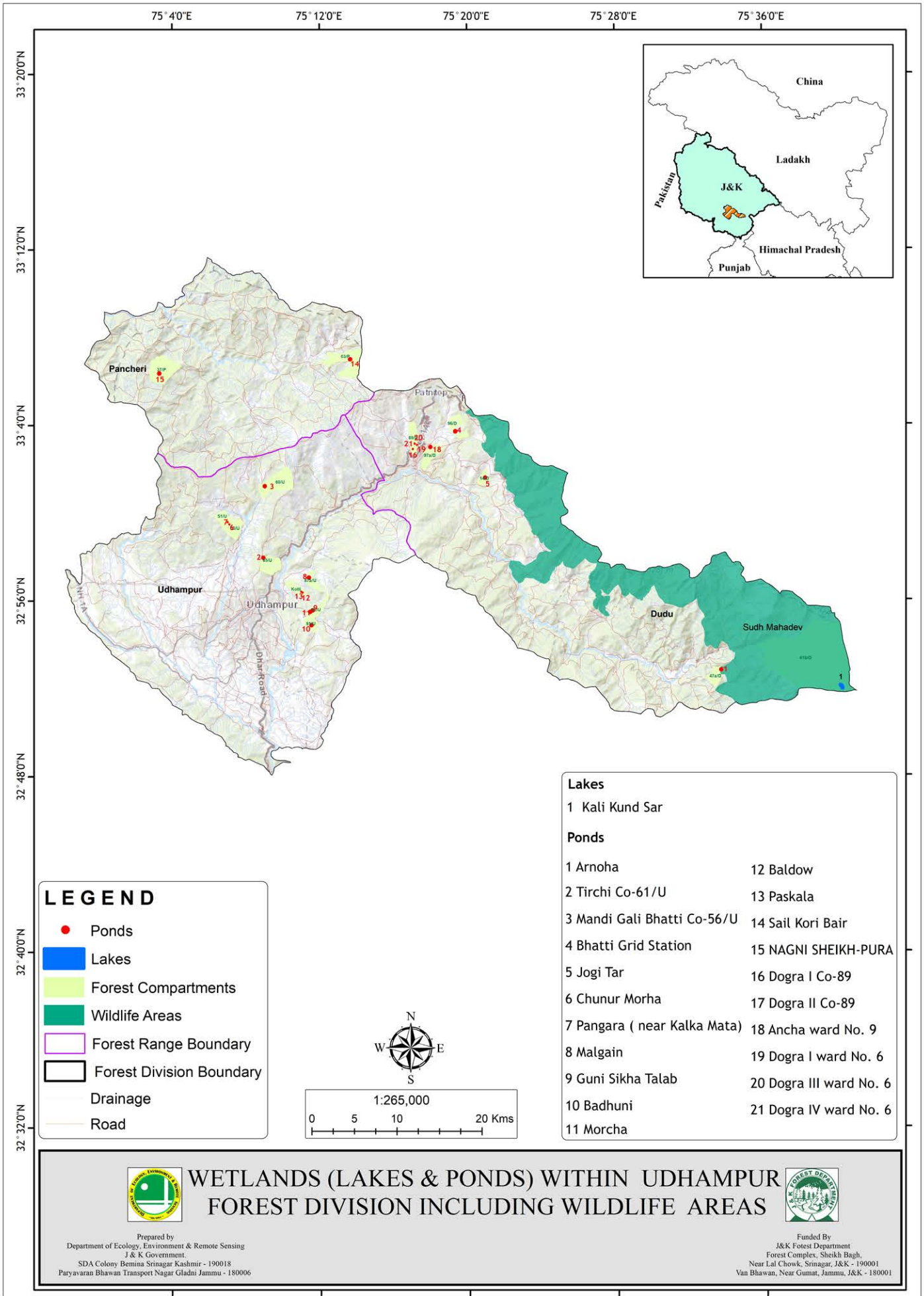
SOI Toposheet 1965



Google Earth 2020



KALIKUND SAR



BHADERWAH FOREST DIVISION

1. Quick Info

Latitude	32°52'42.473"N to 33°9'35.218"N
Longitude	75°31'22.837"E to 76°5'53.586"E
Altitude:	850m to 4343.5 m
Area:	1215.45 sq. kms
Source	Working Plan for Bhaderwah Forest Division

2. Territorial Ranges:

Name of Range	Area (Sq.kms)
Bhalesh	475.32
Chiralla	272.34
Neeru	237.05
Kellar	230.74
Total Area	1215.45

3. Climate:

The climate is hotter at lower elevations like Thathri and Pul-Doda whereas it becomes milder and temperate in rest of the tract. The warm months at Bhadarwah are July to September. The higher reaches are always cool and at some places snow persists throughout the year in the form of glaciers. During winters, the whole region is blanketed with snow. The climate on the whole is temperate and favourable for the growth of various conifer species found in the locality.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana</i>
Broad Leaved	<i>Quercus ilex, Quercus incana, Q. dilatata, Q. semicarpifolia, Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana.</i>
Shrubs	<i>Viburnum nervosum, Berberis species, Desmodium tiliifolium, Plactranthua rugosus, Indigofera species, Prinsepia utilis, Rubus spp. Rosa moschata, Daphne spp and Sarcococca spp.</i>
Alpines	<i>Abies spectabilis, Rhododendrons, Betula utilis, Junipers communis, Salix spp.</i>
Source	Working Plan for Bhaderwah Forest Division

5. Drainage and Hydro-morphology:

The area is drained mainly by three streams, Neeru, Neeli and Jai Khad all ultimately tributing to the River Chenab.

- Neeru stream** originates from Sunbaian glacier in Kaplash range of Bhadarwah, drains through the valley and finally meets river Chenab.
- Kara stream** is formed by Chilli and Kalgune streams which drain from Bhalesh area. Kara stream after receiving Jai nalla flows into Kalni and finally meets river Chenab at Thatri.
- Jai Khad** drains through a beautiful valley known as Jai valley, which is a prime tourist attraction in Bhadarwah

6. Waterbodies:

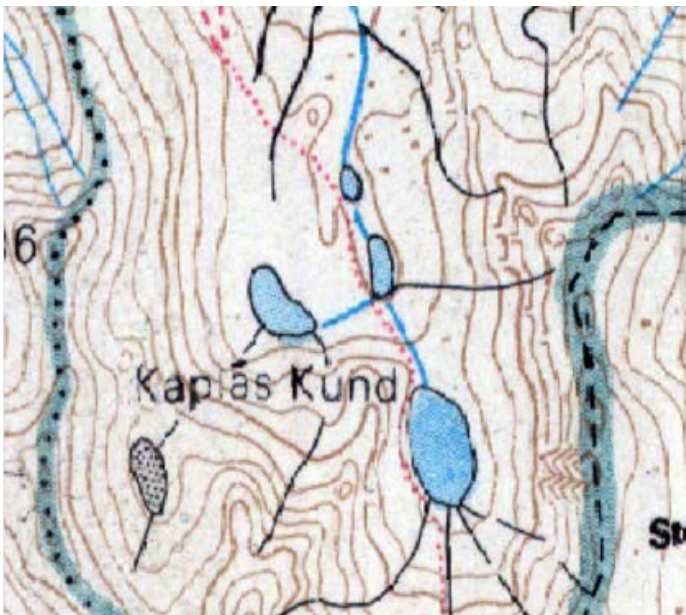
A total of eleven (11) waterbodies have been mapped in Bhaderwah Forest division using high-resolution satellite images which include 5 lakes/wetlands and 6 ponds. All ponds are mapped as point features.

RANGE	Lakes/Wetlands	Area (Ha)	Ponds
Neeru	5	14.88 ha	Nil
Bhalesh	Nil	0	1
Kellar	Nil	0	5
Chiralla	0	0	0
Total	5	14.88	6

Table 2: Waterbodies/Ponds of Bhaderwah Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Kaplas Sar1	116654316090001	Neeru	042a/N	Puneja	Basti	8.83	32° 52' 18.889" N	75° 41' 16.349" E
2	Kaplas Sar5	116654316090005	Neeru	042a/N	Puneja	Basti	1.92	32° 52' 17.378" N	75° 40' 41.290" E
3	Kaplas Sar2	116654316090002	Neeru	042a/N	Puneja	Basti	1.34	32° 52' 34.867" N	75° 40' 55.939" E
4	Kaplas Sar3	116654316090003	Neeru	042a/N	Puneja	Basti	1.12	32° 52' 37.616" N	75° 41' 9.134" E
5	Kaplas Sar4	116654316090004	Neeru	042a/N	Puneja	Basti	1.68	32° 52' 44.510" N	75° 41' 4.333" E
6	Phinter Khonoie	116644316130088	Bhalesh	054/Bh	Neeli	Donsa-III	NA	32° 59' 19.700" N	75° 58' 33.800" E
7	Maltha - I & II (Co. 32)	116654316090122	Kellar	031/K	Malothi	Chilli	NA	32° 57' 28.430" N	75° 35' 52.050" E
8	Koka Basti	116624315120080	Kellar	003/M	Marmat	Paryote-I	NA	33° 6' 29.910" N	75° 31' 2.850" E
9	Dongra Tatani	116624315120084	Kellar	004/M	Marmat	Paryote-I	NA	33° 6' 32.280" N	75° 31' 51.220" E
10	Koka Basti	116624315120083	Kellar	003/M	Marmat	Paryote-I	NA	33° 6' 29.910" N	75° 31' 2.850" E
11	Neju Philsa	116624315120085	Kellar	005/M	Marmat	Paryote-II	NA	33° 6' 19.000" N	75° 31' 26.320" E

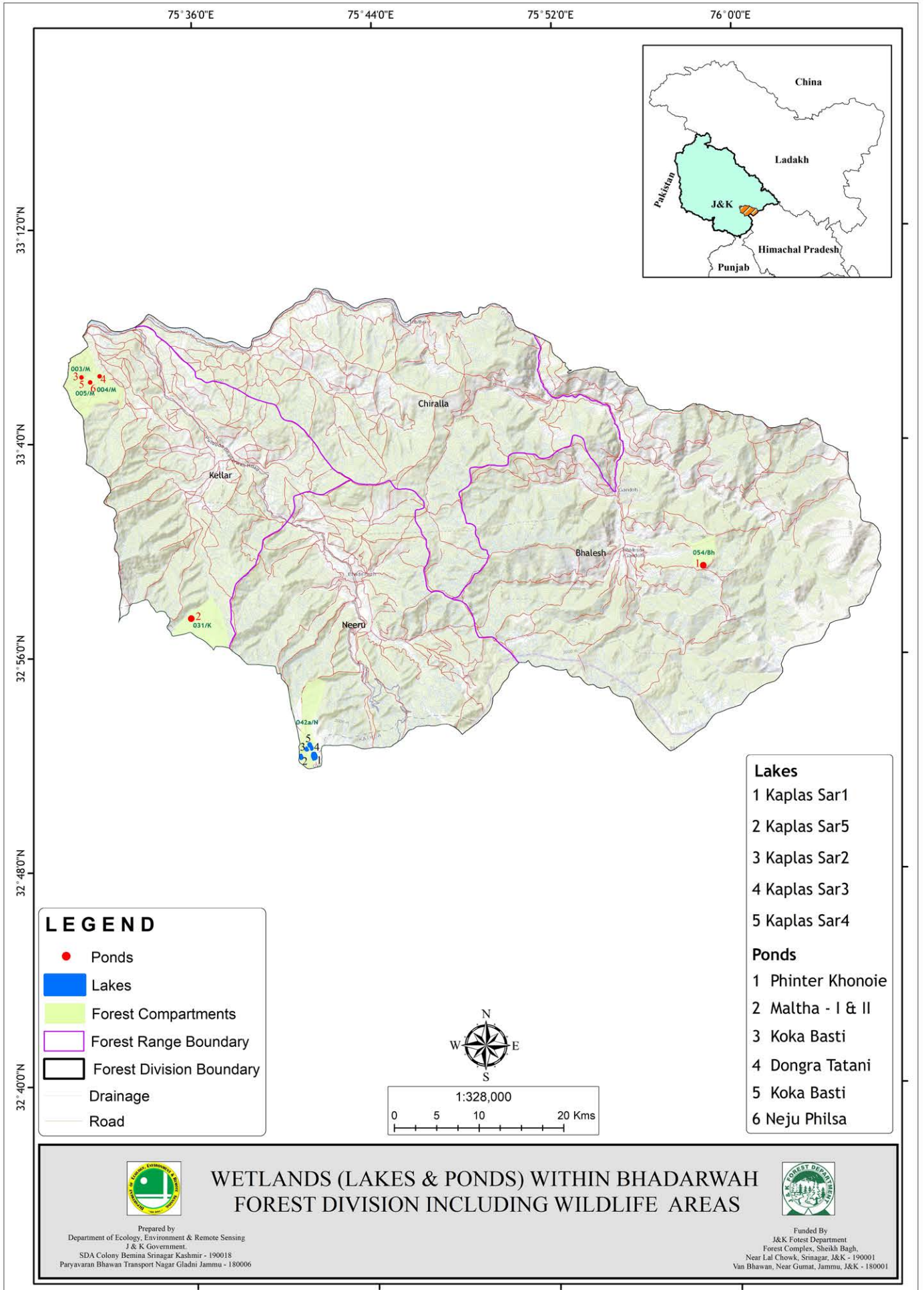
Topo sheets 1965



Satellite Images 2020 (Google Earth)



Kaplas Sar 1,2,3,4,5



Prepared by
Department of Ecology, Environment & Remote Sensing
J & K Government,
SDA Colony Bemina Srinagar Kashmir - 190018
Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006



Funded By
J&K Forest Department
Forest Complex, Sheikh Bagh,
Near Lal Chowk, Srinagar, J&K - 190001
Van Bhawan, Near Gumat, Jammu, J&K - 180001

REASI FOREST DIVISION

1. Quick Info

Latitude:	32°53'53.067"N to 33°17'55.317"N
Longitude	74°36'4.401"E to 75°3'1.804"E
Altitude:	360 m to 2600 M
Area:	915.44 Sq.kms
Source	Working Plan for Reasi Forest Division

2. Territorial Ranges:

Name of Range	Area (Sq.kms)
Reasi	226.69
Katra	276.14
Thakrakot.	412.61
Total Area	915.44 Sq.kms

3. Climate:

The Climate at lower altitudes i.e., at Reasi Pouni, Katra and their adjoining areas is very hot during summer which moderates towards the higher elevation. The higher zones are cold and receive snow fall during November to February.

4. Major Plant Species :

Type	Major Species
Conifers	<i>Abies pindrow, Picea smithiana, Pinus roxburghi, Pinus wallichiana,</i>
Broad Leaved	<i>Mallotus philippinensis, Wendlendia heyneii, Emblica officinalis, Syzygium cuminii, Cassia fistula, Carissa spp, Dodonaea viscosa, Colebrokia oppositifolia, Juglans Regia, Lannea coromandelica, Bombax ceiba, Acacia catechu, Emblica officinalis, Wendlendia heyneii, Terminalia tomentosa, Bauhinia spp. Acacia modesta, Ficus spp</i>
Shrubs	<i>Machilus duthei, Rhododendron arboreum, Pieris ovalifolia, Pyrus pashia, Viburnum spp., Desmodium tiliaefolium, Sarococa saligna, Indigoferra pulchella, Hedra nepalensis, Rosa spp, Smilax aspera, Adhatoda Vasica, Indigoferra spp. Grewia Spp, Carissa, Woodfordia fruticosa, Flacourtia indica, Dendrocalamus strictus</i>

5. Drainage and Hydro Morphology

In the higher temperate zones is sound to some extent due to perennial streams and springs are found. In the lower subtropical zone, the water supply is much deficient, xerophytic conditions are very common. Monsoon rains and winter rains supply plenty of water for agriculture and forest crops. Chenab River, Pouni Tawi, Anji, Rad and Balganga Nalas have water throughout the year.

6. Waterbodies:

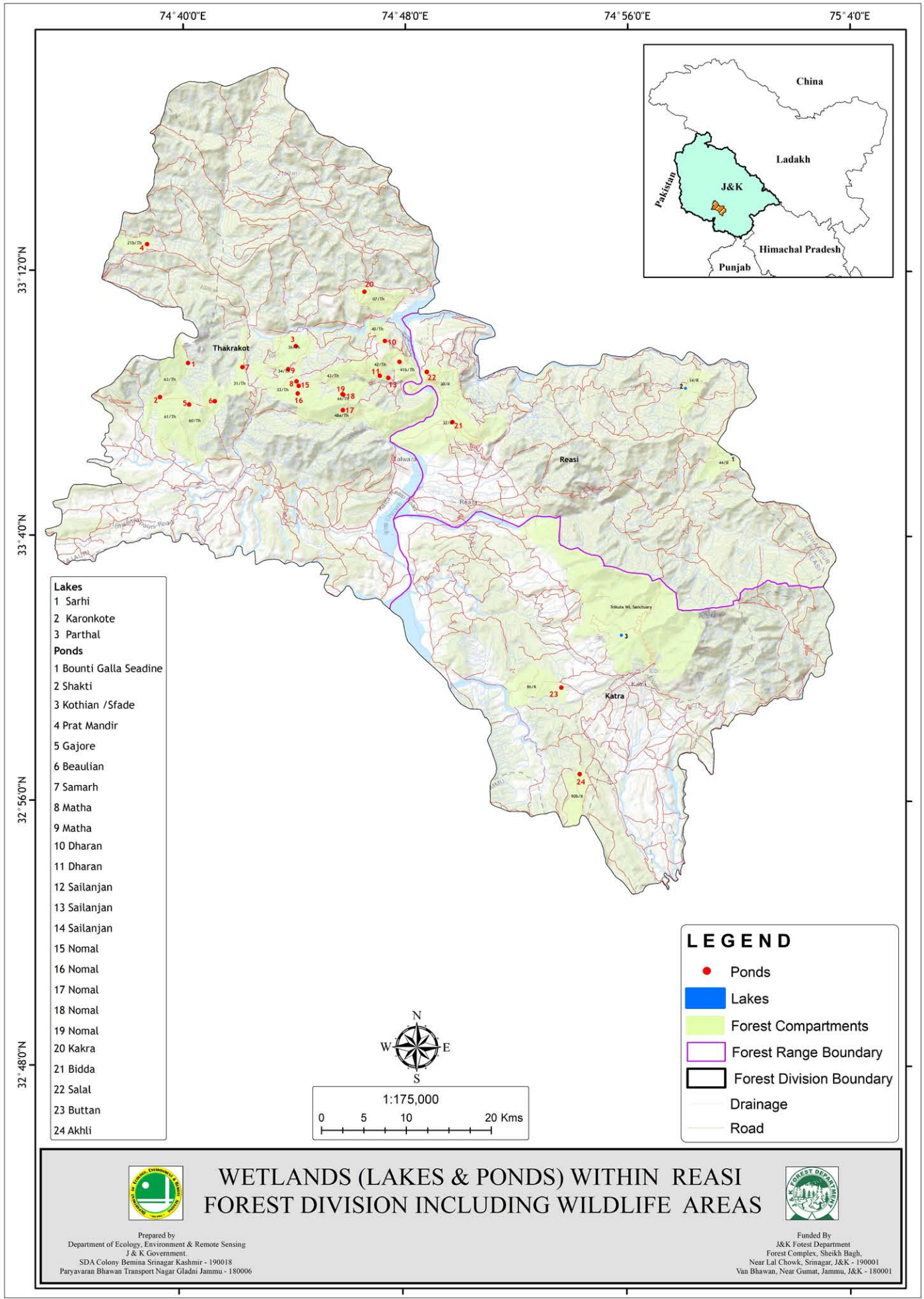
Apart from the rivers and nallas, a total of 27 Ponds have been identified in the division (using high resolution satellite images) mostly as point.

RANGE	Lakes/Waterbodies	Ponds	Area in Ha
Katra	0	3	0.04
Reasi	0	4	0.02
Thakarkot	0	20	NA
Total	0	27	0.06

Table: Waterbodies/Ponds of Reasi Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Sarhi	0120*****0176	Reasi	44/R	Tote	Paras	0.009	33° 6' 29.335" N	74° 59' 43.884" E
2	Karonkote	0120*****0170	Reasi	14/R	Bhamag	Nagote	0.01	33° 8' 28.543" N	74° 58' 5.132" E
3	Parthal	0120*****0256	Katra	Trikuta WL Sanctuary	WL Sanctuary	WL Sanctuary	0.041	33° 1' 1.066" N	74° 55' 47.024" E
4	Bounti Galla Seadine	12077431120005	Thakrakot	63/Th	Pouni	Bharakh	NA	33° 9' 13.000" N	74° 40' 13.000" E
5	Shakti	12077431120009	Thakrakot	63/Th	Pouni	Bharakh	NA	33° 8' 11.000" N	74° 39' 13.000" E
6	Kothian / Sfade	12077431120008	Thakrakot	36/Th	Thakrakote	Chilli-I	NA	33° 9' 44.000" N	74° 44' 5.000" E
7	Prat Mandir	10623431120071	Thakrakot	21b/Th	Thakrakote	Narla	NA	33° 12' 48.000" N	74° 38' 44.000" E
8	Gajore	0120*****0051	Thakrakot	61/Th	Pouni	Bharakh	NA	33° 7' 57.601" N	74° 40' 15.661" E
9	Beaulian	0120*****0137	Thakrakot	60/Th	Pouni	Bharakh	NA	33° 8' 3.833" N	74° 41' 11.101" E
10	Samarh	0120*****0139	Thakrakot	31/Th	Thakrakote	Chilli-I	NA	33° 9' 5.724" N	74° 42' 10.152" E
11	Matha	0120*****0146	Thakrakot	33/Th	Thakrakote	Chilli-I	NA	33° 8' 40.128" N	74° 44' 6.936" E
12	Matha	0120*****0147	Thakrakot	34/Th	Thakrakote	Chilli-I	NA	33° 9' 2.088" N	74° 43' 48.936" E
13	Dharan	0120*****0151	Thakrakot	40/Th	Thakrakote	Thakrakote-I	NA	33° 9' 53.820" N	74° 47' 17.455" E
14	Dharan	0120*****0152	Thakrakot	42/Th	Thakrakote	Thakrakote-I	NA	33° 8' 50.669" N	74° 47' 6.475" E
15	Sailanjan	0120*****0154	Thakrakot	41b/Th	Thakrakote	Thakrakote-I	NA	33° 9' 15.858" N	74° 47' 48.808" E
16	Sailanjan	0120*****0155	Thakrakot	42/Th	Thakrakote	Thakrakote-I	NA	33° 8' 46.975" N	74° 47' 24.882" E
17	Sailanjan	0120*****0156	Thakrakot	41b/Th	Thakrakote	Thakrakote-I	NA	33° 9' 15.858" N	74° 47' 48.808" E
18	Nomal	0120*****0157	Thakrakot	33/Th	Thakrakote	Chilli-I	NA	33° 8' 32.028" N	74° 44' 11.688" E
19	Nomal	0120*****0158	Thakrakot	43/Th	Thakrakote	Thakrakote-II	NA	33° 8' 18.096" N	74° 44' 9.708" E
20	Nomal	0120*****0161	Thakrakot	48a/Th	Talwara	Talwara-I	NA	33° 7' 48.216" N	74° 45' 47.160" E
21	Nomal	0120*****0162	Thakrakot	44/Th	Thakrakote	Thakrakote-II	NA	33° 8' 16.224" N	74° 45' 48.204" E
22	Nomal	0120*****0163	Thakrakot	44/Th	Thakrakote	Thakrakote-II	NA	33° 8' 17.232" N	74° 45' 46.116" E
23	Kakra	0120*****0164	Thakrakot	07/Th	Chinkah	Panassa-I	NA	33° 11' 22.801" N	74° 46' 33.031" E
24	Bidda	0120*****0191	Reasi	32/R	Reasi	Mari	NA	33° 7' 26.872" N	74° 49' 42.953" E
25	Salal	0120*****0197	Reasi	30/R	Bhamag	Salal	NA	33° 8' 57.624" N	74° 48' 47.675" E
26	Buttan	0120*****0258	Katra	86/K	Bhaga	Butan	NA	32° 59' 26.084" N	74° 53' 38.018" E
27	Akhli	0120*****0259	Katra	90b/K	Katra	Sarna	NA	32° 56' 49.459" N	74° 54' 17.755" E

Note: * Unverified



WETLANDS (LAKES & PONDS) WITHIN REASI FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
 Department of Ecology, Environment & Remote Sensing
 J & K Government,
 SDA Colony Bemina Srinagar Kashmir - 190018
 Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006

Funded By
 J&K Forest Department
 Forest Complex, Sheikh Bagh,
 Near Lal Chowk, Srinagar, J&K - 190001
 Van Bhawan, Near Gumat, Jammu, J&K - 180001

RAMNAGAR FOREST DIVISION

1. Quick Info

Latitude:	32°42'42.549"N to 32°57'51.259"N
Longitude	75°12'8.919"E to 75°41'28.504"E
Altitude:	500 m to 4341m
Area:	732.7sq.kms
Source	Working Plan for Ramnagar Forest Division

2. Territorial Ranges:

Name of Range	Area in Sqkms
Basantgarh	259.61
Ramnagar North	280.10
Ramnagar South	193.02
Total Area	732.7

3. Climate:

A Sub-Tropical climate prevails over most parts of the Division as its tract consists of low-lying hills. Most parts of Ramnagar North and Basantgarh ranges experience a moist climate. Snow fall is a regular feature at higher reaches of the Division during winters. It melts early in the Ramnagar North Range but lasts for a pretty long time in higher elevations of Basantgarh Range.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Abies pindrow, Picea smithiana, Pinus roxburghi, Pinus wallichiana.</i>
Broad leaved	<i>Mallotus philippinensis, Wendlandia heyneii, Emblica officinalis, Syzygium cuminii, Cassia fistula, Carissa spp, Dodonaea viscosa, Colebrokia oppositifolia, Juglans Regia. Rhododendron campanulatum, Betula utilis, Viburnum.</i>
Source	Working Plan for Ramnagar Forest Division

5. Drainage and Hydro Morphology

The tract is extremely hilly and rugged in nature, having varied range of aspects and is cut up by numerous nallahs and khads which makes it difficult to traverse. The hilly slopes range from precipitous to gentle. The altitude varies from 500 meters (near Baddar) to 4341 meters (near Kaplas peak). There are two main rivers i.e. river Tawi and river Ujh. Besides these many small nallahs / khads such as Suloh Nallah, Bermin Khad and Sangar Nallah drain the area. The Ramnagar Khad passes through the middle of Ramnagar Valley thus dividing the entire valley into two parts and draining off into river Tawi.

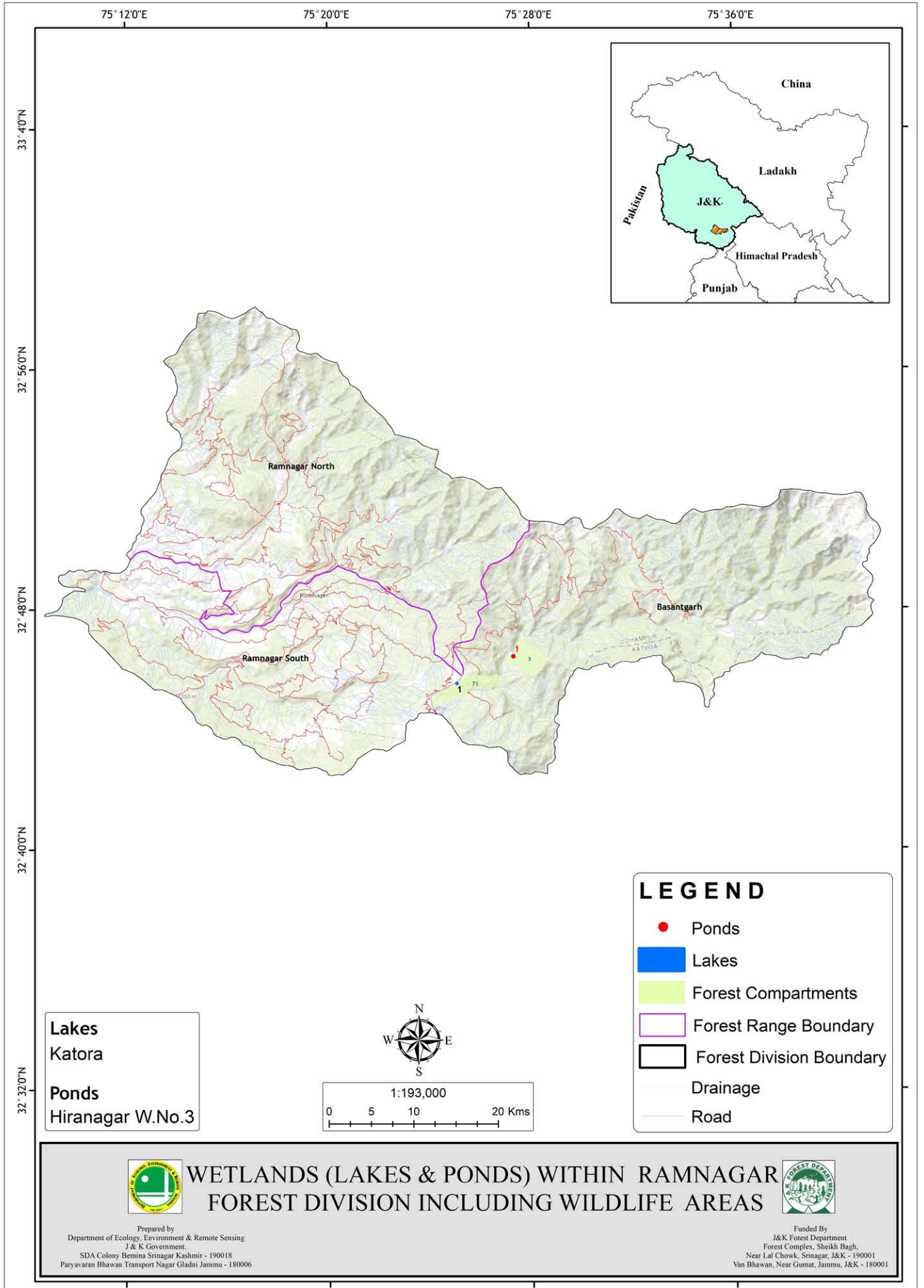
6. Waterbodies:

Two Ponds have been identified in forest areas of the division (using high resolution satellite images) in Basantgarh Range.

RANGE	Lakes/Waterbodies	Ponds
Basantgarh	<u>0</u>	<u>2</u>
Total	<u>0</u>	<u>2</u>

Table: Waterbodies /Ponds of Ramnagar Fores Division.

S.No	Name	UIN	Range Name	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Katora	119744316050054	Basantgarh	71	Kaitha	Lehre	0.0069	32° 45' 31.652" N	75° 25' 3.707" E
2	Hiranagar W.No.3	119744316050135	Basantgarh	69a	Kaitha	Kaitha	NA	32° 46' 25.300" N	75° 27' 17.570" E



Lakes
Katora
Hiranagar W.No.3

LEGEND

- Ponds
- Lakes
- Forest Compartments
- ▭ Forest Range Boundary
- ▭ Forest Division Boundary
- Drainage
- Road



WETLANDS (LAKES & PONDS) WITHIN RAMNAGAR FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
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Van Bhawan, Near Gumat, Jammu, J&K - 180001

NOWSHERA FOREST DIVISION

1. Quick Info

Latitude:	32°55'31.46"N to 33°21'13.025"N
Longitude	74°0'39.699"E to 74°39'8.473"E
Altitude:	270m to 2058m
Area:	1246.8 sq.kms
Source	Working Plan for Nowshera Forest Division

2. Territorial Ranges:

Name of Range	Area in Sqkms
Nowshera	390.3
Lamberi	257.9
Lamberi A	144.7
Sunderbani	453.9
Total Area	1246.8

3. Climate:

Area of the division predominantly experiences typical sub-tropical climate being located in Shivalik mountains. Only small portion of Division near Bagla and Peer Badesar receives snowfall in years of extreme winter. June and July are extremely hot and dry which create congenial conditions for forest fires all over. Monsoon rains are good.

4. Major Plant Species:

Type	Major Species
Conifer	<i>Pinus roxburghii</i>
Broad leaved	<i>Acacia nilotica, Acacia modesta, Albizzia lebbeck, Butea monosperma, Bomax ceiba, Cassia fistula, Dalbergia sissoo, Emblica officinalis, Mallotus phillipinensis, Syzygium cumini, Ziziphus spp. etc.</i>
Shrubs	<i>Carrisa spinarum, Dodonea viscosa, Adhathoda vasica, Nerium indicum, Ipomea fistula etc.</i>
Source	Working Plan of Nowshera Forest Division

5. Drainage and Hydro Morphology

The division drains into Tawi. Main tributaries are Niari Tawi, Thandapani Wali Tawi, Kallar Kas and Jambhir Nala, which joins main Rajouri Tawi. After crossing Jhulla gorge, river turns to south where it is popularly known as Manavar Tawi which ultimately joins river Chenab.

6. Waterbodies:

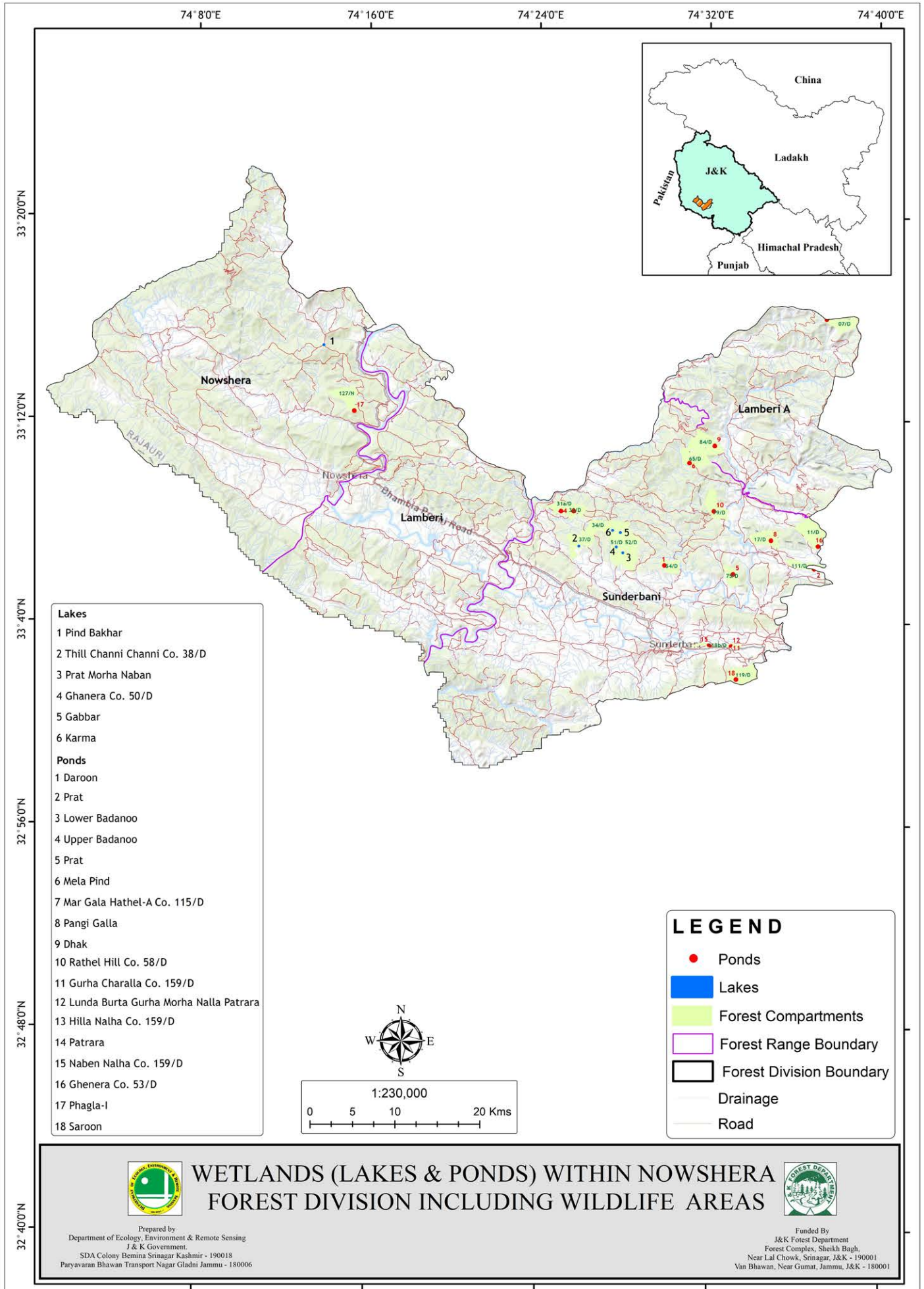
A total of 24 waterbodies have been mapped in Nowshera Forest division using high-resolution satellite images, which includes 6 small lakes and 18 ponds. All ponds are mapped as points

RANGE	Lakes/Waterbodies	Area in Ha	Ponds
Lamberi	0	0	2
Nowshera	1	0.02	1
Sundarbani	5	0.06	15
LamberiA	0	0	0
Total	6	0.08	18

Table: Waterbodies/Ponds of Nowshera Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Pind Bakhar	106224311040090	Nowhera	RFPF	-	-	0.029	33° 14' 55.197" N	74° 13' 53.637" E
2	Thill Channi Channi Co. 38/D	*****	Sunderbani	037/D	Dharamsal	Dharamsal	0.009	33° 7' 2.716" N	74° 25' 54.645" E
3	Prat Morha Naban	106244311080116	Sunderbani	051/D	Dharamsal	Salari	0.0093	33° 6' 46.868" N	74° 27' 58.403" E
4	Ghanera Co. 50/D	*****	Sunderbani	051/D	Dharamsal	Salari	0.015	33° 7' 0.893" N	74° 27' 39.988" E
5	Gabbar	0120*****0165	Sunderbani	052/D	Dharamsal	Salari	0.009	33° 7' 35.016" N	74° 27' 51.415" E
6	Karma	106244311080015	Sunderbani	034/D	Dharamsal	Dharamsal	0.017	33° 7' 40.180" N	74° 27' 29.403" E
7	Daroon	106244311080016	Sunderbani	054/D	Dharamsal	Salari	NA	33° 6' 17.200" N	74° 29' 55.860" E
8	Prat	106264311120017	Sunderbani	111/D	Devak	Makol	NA	33° 6' 9.553" N	74° 36' 56.940" E
9	Lower Badanoo	106244311080020	Sunderbani	032/D	Dharamsal	Dharamsal	NA	33° 8' 25.000" N	74° 25' 40.000" E
10	Upper Badanoo	106244311080021	Sunderbani	031a/D	Dharamsal	Dharamsal	NA	33° 8' 25.000" N	74° 25' 4.000" E
11	Prat	106264311120063	Sunderbani	075/D	Devak	Hathal	NA	33° 5' 56.950" N	74° 33' 9.000" E
12	Mela Pind	106244311120064	Sunderbani	065/D	Devak	Bagla	NA	33° 10' 20.000" N	74° 31' 5.000" E
13	Mar Gala Hathel-A Co. 115/D	106234311110072	Lamberi	007/D	Treru	Gunda	NA	33° 16' 1.000" N	74° 37' 30.000" E
14	Pangi Galla	106264311120080	Sunderbani	107/D	Devak	Devak	NA	33° 7' 17.000" N	74° 34' 55.000" E
15	Dhak	106244311120083	Lamberi	084/D	Treru	Harichuma (A)	NA	33° 11' 1.000" N	74° 32' 16.000" E
16	Rathel Hill Co. 58/D	106244311120106	Sunderbani	079/D	Devak	Hathal	NA	33° 8' 26.000" N	74° 32' 14.000" E
17	Gurha Charalla Co. 159/D	106234311110117	Sunderbani	118b/D	Sunderbani	Langer	NA	33° 3' 9.080" N	74° 33' 5.280" E
18	Lunda Burta Gurha Morha Nalla Patrara Co. 159/D	106244311120118	Sunderbani	118b/D	Sunderbani	Langer	NA	33° 3' 7.140" N	74° 33' 2.840" E
19	Hilla Nalha Co. 159/D	106234311110119	Sunderbani	118b/D	Sunderbani	Langer	NA	33° 3' 8.280" N	74° 32' 7.870" E
20	Patrara	106244311120120	Sunderbani	118b/D	Sunderbani	Langer	NA	33° 3' 7.730" N	74° 32' 4.480" E
21	Naben Nalha Co. 159/D	106264311120121	Sunderbani	118b/D	Sunderbani	Langer	NA	33° 3' 9.230" N	74° 32' 0.790" E
22	Ghenera Co. 53/D	106264311120125	Sunderbani	110/D	Devak	Makol	NA	33° 7' 3.560" N	74° 37' 7.320" E
23	Phagla-I	106224311070062	Nowshera	127/N	Chingus	Narian	NA	33° 12' 19.600" N	74° 15' 20.400" E
24	Saroon	0120*****0220	Sunderbani	119/D	Sunderbani	Rahsalyote	NA	33° 1' 48.000" N	74° 33' 18.000" E

Note: * Unverified



WETLANDS (LAKES & PONDS) WITHIN NOWSHERA FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
Department of Ecology, Environment & Remote Sensing
J&K Government
SDA Colony Bemina Srinagar Kashmir - 190018
Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006

Funded By
J&K Forest Department
Forest Complex, Sheikh Bagh,
Near Lal Chowk, Srinagar, J&K - 190001
Van Bhawan, Near Gumat, Jammu, J&K - 180001

MARWAH FOREST DIVISION

1. Quick Info

Latitude:	33°4'5.439N to 34°11'27.459N
Longitude	75°30'50.735"E to 76°15'25.811"E
Altitude:	1080m. to 6600 m
Area:	6999.37 sq.kms
Source	Working Plan for Marwah Forest Division

2. Territorial Ranges:

Name of Range	Area in Sqkms
Marwah,	2749.46
Udil	554.76
Dachan.	1299.22
Paddar	2395.93
Total Area	6999.37

3. Climate:

The major part of the division experiences temperate climate, however the Kandi area i.e. tract between Bhandarkoot & Chatroo and Bhandarkoot & Soundar experience sub-tropical climate. The regular monsoon does not reach this area and the rain fall is due to westerly disturbances and local factors.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Picea smithiana, Abies pindrow, Cedrus deodara, Pinus wallchiana, Pinus gerardiana</i>
Broad Leaved	<i>Quercus ilex, Celtis australis, Dalbargia sissoo.</i>
Alpines	<i>Betula utilis, Abies pindrow and Rhododendron spp</i>
Source	<i>Working Plan of Marwah Forest Division</i>

5. Drainage and Hydro Morphology

The Marwah Forest Division is located within the watershed boundary of upper part of Marsudar River and Chatroo Nallah. The prominent tributaries of Marsudar River are Kaintal, Gumbar, Kuzuz, Hajka, Tramkhah, Rin Nai, Nal Nar, Nogi Nar, Baskhani, Passernai, Kiyar, Nanth and Kibber Nallahs. The entire area of Marwah and Dachhan Ranges drains into Marsudar River. The prominent Nallahs of Udil Range such as Sigdi, Singhpore and Synthan drain into Chatroo nalla, which confluences with Marsudar River at Dadpeth. The Marsudar and Chandarbhaga Rivers confluence at Bhandarkoot hereafter named as Chenab. Many permanent aquifers are distributed throughout the tract. Hot springs are located at Tatapani in Marwah and at Kiyar in Dachhan range.

6. Waterbodies:

Apart from these rivers and nallas a number of Lakes/Wetlands & Ponds are present in the division. 71 waterbodies have been mapped in the division (using high resolution satellite images) 14 in Dachhan range, 50 in Marwah range and 2 in Udil range. Most of the Lakes/Wetlands fall under reserve and protected forests in Marwah range of the Marwah Forest Division.

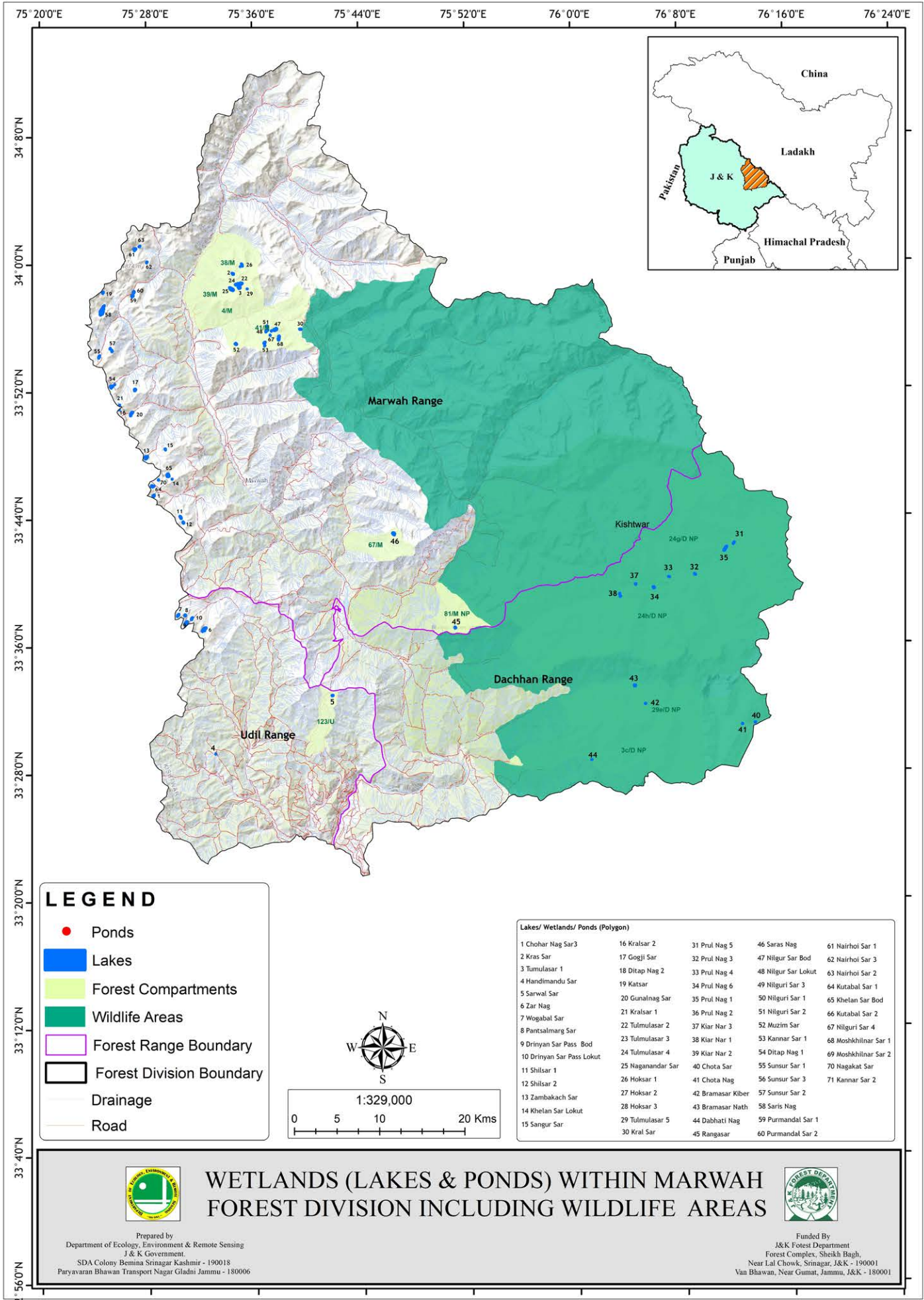
RANGE	Lakes/Waterbodies	Area in Ha	Ponds
Marwah	50	139.53	0
Udil	7	25.84	0
Dachhan	14	14.38	0
Paddar	0	0	0
Total	71	179.75	0

Table: Waterbodies/Ponds of Marwah Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Chohar Nag Sar3	114574315060048	Marwa	RFPF	-	-	3.2	33° 45' 30.938" N	75° 28' 27.219" E
2	Kras Sar	118694315090006	Marwa	038/M	Warwan	Margi	2.3	33° 59' 24.826" N	75° 34' 29.676" E
3	Tumulasar 1	118694315090008	Marwa	038/M	Warwan	Margi	4.51	33° 58' 33.261" N	75° 34' 57.616" E
4	Handimandu Sar	118704315110026	Udil	061/U	Singhpore	Singapore	0.28	33° 29' 17.739" N	75° 33' 1.544" E
5	Sarwal Sar	118694315100038	Udil	123/U	Sigdi	Dunwar	1.24	33° 32' 54.962" N	75° 41' 46.552" E
6	Zar Nag	118694315100024	Udil	RFPF	-	-	10.23	33° 37' 6.425" N	75° 32' 11.620" E
7	Wogabal Sar	118694315100087	Udil	RFPF	-	-	2.93	33° 38' 0.136" N	75° 30' 14.915" E
8	Pantsalmarg Sar	118694315100088	Udil	RFPF	-	-	1.86	33° 38' 0.066" N	75° 30' 46.486" E
9	Drinyan Sar Pass Bod	114534314080051	Udil	RFPF	-	-	7.38	33° 37' 30.842" N	75° 30' 50.950" E
10	Drinyan Sar Pass Lokut	118694315100089	Udil	RFPF	-	-	1.92	33° 37' 47.701" N	75° 31' 16.821" E
11	Shilsar 1	118694315100019	Marwa	RFPF	-	-	2.56	33° 44' 9.112" N	75° 30' 28.479" E
12	Shilsar 3	118694315100090	Marwa	RFPF	-	-	1.87	33° 43' 49.637" N	75° 30' 40.081" E
13	Zambakach Sar	118694315050091	Marwa	RFPF	-	-	7.55	33° 47' 54.466" N	75° 27' 54.300" E
14	Khelan Sar Lokut	118694315050092	Marwa	RFPF	-	-	0.17	33° 46' 33.150" N	75° 29' 50.816" E
15	Sangur Sar	118694315050093	Marwa	RFPF	-	-	0.83	33° 48' 25.529" N	75° 29' 20.513" E
16	Kralsar 2	118694315050094	Marwa	RFPF	-	-	0.39	33° 50' 55.670" N	75° 25' 53.413" E
17	Gogji Sar	118694315050095	Marwa	RFPF	-	-	2.76	33° 52' 9.830" N	75° 27' 5.742" E
18	Ditap Nag 2	118694315050096	Marwa	RFPF	-	-	0.27	33° 52' 30.088" N	75° 25' 33.821" E
19	Katsar	118694315050097	Marwa	RFPF	-	-	1.5	33° 58' 16.110" N	75° 24' 42.470" E
20	Gunalnag Sar	118694315050098	Marwa	RFPF	-	-	5.22	33° 50' 39.780" N	75° 26' 49.257" E
21	Kralsar 1	118694315050099	Marwa	RFPF			0.18	33° 51' 12.786" N	75° 25' 55.566" E
22	Tulmulasar 2	118694315090100	Marwa	038/M	Warwan	Margi	3.66	33° 58' 48.394" N	75° 35' 6.680" E
23	Tulmulasar 3	118694315090101	Marwa	038/M	Warwan	Margi	2.06	33° 58' 46.561" N	75° 34' 51.190" E
24	Tulmulasar 4	118694315090102	Marwa	038/M	Warwan	Margi	1.13	33° 58' 44.454" N	75° 34' 42.111" E
25	Naganandar Sar	118694315090007	Marwa	039/M	Warwan	Margi	9.52	33° 58' 27.332" N	75° 34' 23.284" E
26	Hoksar 1	118694315090104	Marwa	038/M	Warwan	Margi	1.08	33° 59' 59.966" N	75° 35' 10.099" E

27	Hoksar 2	118694315090105	Marwa	038/M	Warwan	Margi	0.22	33° 59' 54.102" N	75° 35' 12.153" E
28	Hoksar 3	118694315090106	Marwa	038/M	Warwan	Margi	0.03	33° 59' 52.256" N	75° 35' 2.330" E
29	Tulmular 5	118694315090103	Marwa	040/M	Warwan	Margi	0.09	33° 58' 27.900" N	75° 35' 33.870" E
30	Kral Sar	118694315050035	Dachhan	041/M	Warwan	Margi	1.2	33° 55' 55.065" N	75° 39' 32.465" E
31	Prul Nag 5	118695203020066	Dachhan	024h/D (National Park)	National Park	National Park	1.24	33° 42' 16.839" N	76° 11' 57.430" E
32	Prul Nag 3	118695203020064	Dachhan	024h/D (National Park)	National Park	National Park	0.9	33° 40' 20.865" N	76° 9' 1.598" E
33	Prul Nag 4	118695203020065	Dachhan	024h/D (National Park)	National Park	National Park	0.57	33° 40' 12.336" N	76° 7' 3.718" E
34	Prul Nag 6	118695203020067	Dachhan	024h/D (National Park)	National Park	National Park	2.31	33° 39' 32.697" N	76° 5' 54.956" E
35	Prul Nag 1	118695203020062	Dachhan	024h/D (National Park)	National Park	National Park	2.34	33° 41' 57.812" N	76° 11' 20.361" E
36	Prul Nag 2	118695203020063	Dachhan	024h/D (National Park)	National Park	National Park	1.3	33° 41' 51.421" N	76° 11' 13.849" E
37	Kiar Nar 3	118695203020061	Dachhan	024g/D (National Park)	National Park	National Park	0.64	33° 39' 45.763" N	76° 4' 33.335" E
38	Kiar Nar 1	118695203020059	Dachhan	024h/D (National Park)	National Park	National Park	0.68	33° 38' 59.902" N	76° 3' 24.370" E
39	Kiar Nar 2	11869520302107	Dachhan	024h/D (National Park)	National Park	National Park	0.42	33° 39' 9.816" N	76° 3' 20.694" E
40	Chota Sar	118695203010070	Dachhan	029e/D (National Park)	National Park	National Park	0.82	33° 31' 1.333" N	76° 13' 25.187" E
41	Chota Nag	118715203020047	Dachhan	029e/D (National Park)	National Park	National Park	0.27	33° 30' 56.250" N	76° 12' 27.134" E
42	Bramasar Kiber	118695203020043	Dachhan	029e/D (National Park)	National Park	National Park	0.53	33° 32' 15.558" N	76° 5' 13.005" E
43	Bramasar Nath	118695203020044	Dachhan	029e/D (National Park)	National Park	National Park	2.16	33° 33' 23.821" N	76° 4' 25.659" E
44	Dabhati Nag	118695203030042	Marwa	030c/D (National Park)	National Park	National Park	0.19	33° 28' 46.730" N	76° 1' 8.929" E
45	Rangasar	118694315140078	Marwa	081/M (National Park)	National Park	National Park	1.57	33° 37' 7.898" N	75° 51' 0.740" E
46	Saras Nag	118694315140014	Marwa	067/M	Yourdu	Yourdu	5.21	33° 43' 2.631" N	75° 46' 26.566" E
47	Nilgur Sar Bod	118694315090009	Marwa	041/M	Warwan	Margi	7.41	33° 55' 54.504" N	75° 37' 39.394" E
48	Nilgur Sar Lokut	118694315090010	Marwa	041/M	Warwan	Margi	1.35	33° 55' 47.712" N	75° 36' 58.149" E

49	Nilguri Sar 3	118694315090108	Marwa	041/M	Warwan	Margi	0.36	33° 55' 49.115" N	75° 37' 22.026" E
50	Nilguri Sar 1	118694315090109	Marwa	041/M	Warwan	Margi	0.88	33° 55' 52.816" N	75° 37' 4.954" E
51	Nilguri Sar 2	118694315090110	Marwa	041/M	Warwan	Margi	0.86	33° 56' 6.743" N	75° 37' 1.811" E
52	Muzim Sar	118685203040111	Marwa	041/M	Warwan	Margi	2.2	33° 55' 1.036" N	75° 34' 41.413" E
53	Kannar Sar 1	118694315090113	Marwa	041/M	Warwan	Margi	2.12	33° 55' 4.667" N	75° 36' 50.573" E
54	Ditap Nag 1	118694315050015	Marwa	RFPP	-	-	5.83	33° 52' 21.485" N	75° 25' 19.527" E
55	Sunsur Sar 1	118694315050114	Marwa	RFPP	-	-	2.49	33° 54' 14.847" N	75° 24' 24.463" E
56	Sunsur Sar 3	118694315050115	Marwa	RFPP	-	-	0.78	33° 54' 45.227" N	75° 25' 14.230" E
57	Sunsur Sar 2	118694315050116	Marwa	RFPP	-	-	1.14	33° 54' 36.229" N	75° 25' 22.288" E
58	Saris Nag	118694315050005	Marwa	RFPP	-	-	27.37	33° 57' 8.577" N	75° 24' 38.405" E
59	Purmandal Sar 1	118694315050004	Marwa	RFPP	-	-	2.47	33° 58' 2.916" N	75° 26' 55.677" E
60	Purmandal Sar 2	118694315050117	Marwa	RFPP	-	-	1.8	33° 58' 17.066" N	75° 27' 1.824" E
61	Nairhoi Sar 1	118694314080118	Marwa	RFPP	-	-	4.44	34° 0' 58.173" N	75° 27' 7.480" E
62	Nairhoi Sar 3	118694314080120	Marwa	RFPP	-	-	0.92	34° 0' 9.507" N	75° 28' 0.860" E
63	Nairhoi Sar 2	118694314080119	Marwa	RFPP	-	-	0.46	34° 1' 9.700" N	75° 27' 28.943" E
64	Kutabal Sar 1	118694315050017	Marwa	RFPP	-	-	2.86	33° 46' 6.621" N	75° 28' 21.100" E
65	Khelan Sar Bod	118694315050121	Marwa	RFPP	-	-	8.12	33° 46' 47.977" N	75° 29' 31.921" E
66	Kutabal Sar 2	118694315050122	Marwa	RFPP	-	-	0.44	33° 46' 7.454" N	75° 28' 28.657" E
67	Nilguri Sar 4	118694315090123	Marwa	041/M	Warwan	Margi	0.26	33° 55' 33.258" N	75° 37' 16.594" E
68	Moshkhilnar Sar 1	118694315090124	Marwa	041/M	Warwan	Margi	4.05	33° 55' 19.642" N	75° 37' 54.346" E
69	Moshkhilnar Sar 2	118694315090125	Marwa	041/M	Warwan	Margi	0.94	33° 55' 28.988" N	75° 37' 55.966" E
70	Nagakat Sar	118694315050126	Marwa	RFPP	-	-	0.49	33° 46' 30.542" N	75° 28' 49.534" E
71	Kannar Sar 2	118694315090127	Marwa	041/M	Warwan	Margi	0.46	33° 54' 53.455" N	75° 36' 51.682" E



BILLAWAR FOREST DIVISION

1. Quick Info

Latitude:	32°32'8.412"N to 32°46'18.315"N
Longitude	75°18'20.523"E to 75°48'18.154"E
Altitude:	531 meters to 4341 m
Area:	757.24 sq.kms
Source	Working Plan for Billawar Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq Kms
Billawar	335.13
Ramkote	233.01
Malhar	189.10
Total Area	757.24

3. Climate:

The climate is sub-tropical with fairly severe summers and extreme cold winters with many areas experiencing snowfall. The lower part of the Division is called Kandi area which is characterized by severe summers.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow Picea smithiana</i>
Broad-leaved	<i>Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana, Rhododendrons, Birch, Juniper</i>
Source	Working Plan Billawar Forest Division

5. Drainage and Hydro Morphology

Drainage of different Ranges of the Division is by the western bank tributaries of River Ravi. The Principal ones are – Seawa, Ujh, Bhini, Talaini and Naj. Besides, there are numerous streams and feeders.

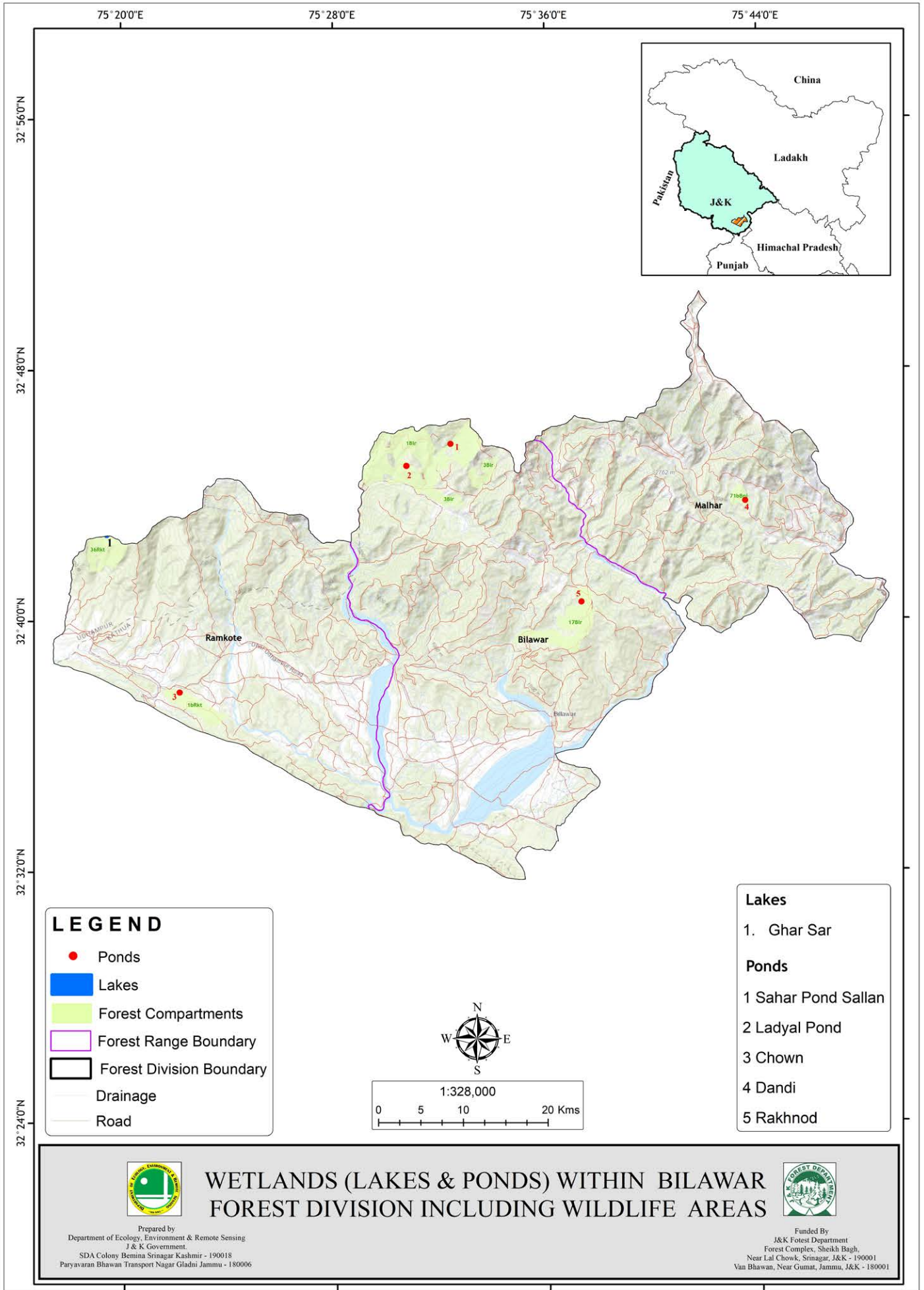
6. Waterbodies:

One lake has been mapped in the Ramkote range (using high resolution satellite images), along with 5 ponds mapped as point feature.

RANGE	Lakes/Waterbodies	Area in Ha	Ponds
Billawar	0	-	03
Ramkote	01	0.53	01
Malhar	0	-	01
Total	01	0.53	05

Table: Waterbodies/Ponds of Billawar Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Ghar Sar	119754316060002	Ramkote	RFPF	-	-	0.53	32° 42' 42.785" N	75° 19' 25.019" E
2	Sahar Pond Sallan	107274316090024	Billawar	0 0 3 / Blr	Sadrota	Sadrota	NA	32° 45' 36.557" N	75° 32' 23.602" E
3	Ladyal Pond	107274316100020	Billawar	0 0 1 / Blr	Sadrota	Batwal	NA	32° 44' 55.135" N	75° 30' 43.931" E
4	Chown	107274316060043	Ramkote	001b/Rkt	Rajwalta	Kandharnoo	NA	32° 37' 43.100" N	75° 22' 8.900" E
5	Dandi	107294316100103	Malhar	071b/Bni	Dhaggar	Dhaggar	NA	32° 43' 46.290" N	75° 43' 29.610" E
6	Rakhnod	107274316100198	Billawar	017/Blr	Macchedi	Sukral	NA	32° 40' 34.000" N	75° 37' 18.080" E



LEGEND

- Ponds
- Lakes
- Forest Compartments
- Forest Range Boundary
- Forest Division Boundary
- Drainage
- Road

Lakes

1. Ghar Sar

Ponds

- 1 Sahar Pond Sallan
- 2 Ladyal Pond
- 3 Chown
- 4 Dandi
- 5 Rakhnod



WETLANDS (LAKES & PONDS) WITHIN BILAWAR FOREST DIVISION INCLUDING WILDLIFE AREAS

Prepared by
Department of Ecology, Environment & Remote Sensing
J & K Government,
SDA Colony Bemina Srinagar Kashmir - 190018
Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006



Funded By
J&K Forest Department
Forest Complex, Sheikh Bagh,
Near Lal Chowk, Srinagar, J&K - 190001
Van Bhawan, Near Gumat, Jammu, J&K - 180001

BATOTE FOREST DIVISION

1. Quick Info

Latitude:	32°57'24.964"N To 33°16'1.852"N
Longitude	75°14'36.859"E to 75°31'1.11"E
Altitude:	600 m to 3900 m
Area:	489.892 sq.kms
Source	<i>Working Plan for Batote Forest Division</i>

2. Territorial Ranges:

Name of Range	Area in Sq Kms
Batote	142.74
Gandhri	93.63
Marmat	253.51
Total Area	489.88

3. Climate:

Because of the variation in the altitude from 586 m to 3904 m, there is considerable variation in the climate also. Major portion (above 1500 m altitude) has temperate climate which experiences cold and severe winters with snow fall and moderate and pleasant summers. The low-lying areas, commonly known as Kandi ellaqa experience sub-tropical climate with mild to moderate winters and hot and scorching summers.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Pinus roxburghii, Pinus walichiana, Cedrus deodara</i>
Broad-leaved	<i>Populus ciliata, Alnus nepalensis and Dalbergia sissoo</i>
Alpines	<i>Junipers, Rhododendron spp, Salix spp and Spiraea spp, Betula utilis</i>
Source	<i>Working Plan of Batote Forest Division</i>

5. Drainage and Hydro Morphology

Marmat Range forms the water shed of Raggi and Kanderi Nallahs and partly of Khellani nallah. The main tributaries of Raggi nallah are Kalamut and Nagni nallahs. Prominent nallahs draining Batote and Gandhri ranges include Chakwa, Magu, Nashiri, Peerah, Sawani, Kalapani and Dathwal khad in Batote Range, and Brachli, Mandial, Surnikund, Mankani, Garol and Jandalwala Khad in Gandhri Range. The Division as a whole form a part of catchment of river Chenab.

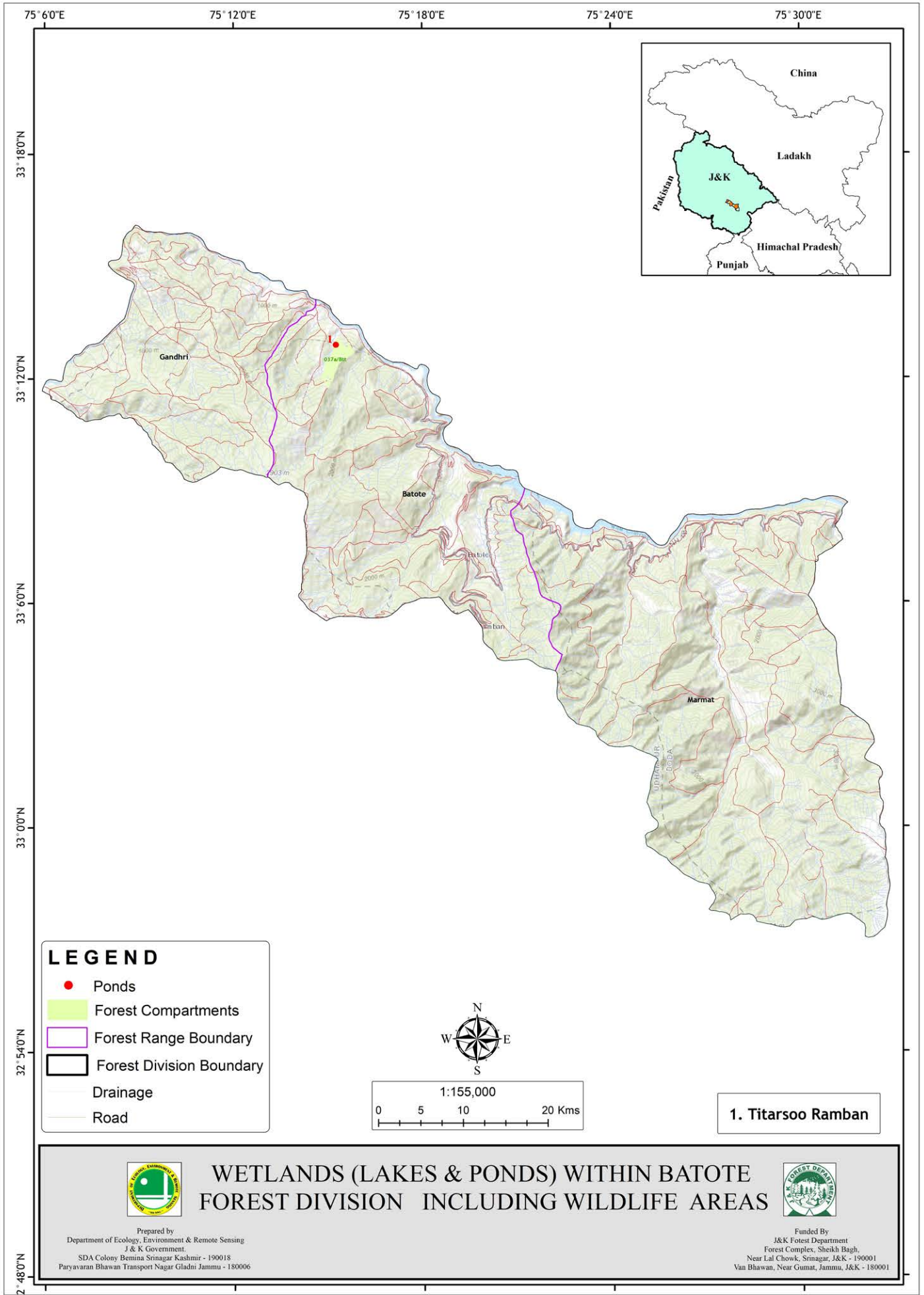
6. Waterbodies:

Apart from these rivers and nallas only one pond has been mapped in the division (using high resolution satellite images) in Batote Range of the Division.

RANGE	Lakes/Waterbodies	Area in Ha	Ponds
Batote	0	1	01
Total	0	1	01

Table: Waterbodies/Ponds of Batote Forest Division.

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	TITARSOO RAMBAN	117674315080003	Batote	037a/Btt	Balout	Tatarsoo	NA	33° 12' 54.120" N	75° 15' 14.930" E



LEGEND

- Ponds
- Forest Compartments
- ▭ Forest Range Boundary
- ▭ Forest Division Boundary
- Drainage
- Road

N
W —+— E
S

1:155,000

0 5 10 20 Kms

1. Titarsoo Ramban



WETLANDS (LAKES & PONDS) WITHIN BATOTE FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
Department of Ecology, Environment & Remote Sensing
J & K Government.
SDA Colony Bemina Srinagar Kashmir - 190018
Paryavaran Bhawan Transport Nagar Gladhi Jammu - 180006

Funded By
J&K Forest Department
Forest Complex, Sheikh Bagh
Near Lal Chowk, Srinagar, J&K - 190001
Van Bhawan, Near Gumat, Jammu, J&K - 180001

JAMMU FOREST DIVISION

1. Quick Info

Latitude	32°31'19.333"N to 33°3'47.66"N
Longitude	74°23'0.368"E to 75°18'4.344"E
Altitude	320 m to 1675 m
Area	2362.2 sq.kms.
Source	Working Plan for Jammu Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Jammu	545.6
Kalidhar	921.5
Jindrah	352.3
Bahu	542.8
Total Area	2362.2 Sqkms

3. Climate:

The climate is subtropical with fairly severe summers and reasonably cold winters. No area in the Division experiences snowfall and frosts and mists are also uncommon. A considerable part of the Division is called Kandi area which is characterized by severe summers and low water availability.

4. Drainage and Hydro Morphology

Jindrah Range is drained mainly by Tawi River. Jammu Range is drained by various Khads such as Damuni Khad, Ranjani wali Khad, Tandewali Khad, Chirua nala, Balin nala, and Deod nalla, all finally draining into Tawi River. The Bahu Range is drained by various Khads and nallas, such as Sardan nala, Surawali Khad, Bhitindiwali Khad, Tutanwali Khad, Balawal Nala, all finally draining into Tawi river. Eastern and south eastern part of the range is drained by Khads like Palaiwali Khad, Gori Khad all finally draining into Devak River. Kalidhar Range is drained by Manawar Tawi River, Kanah nala and many khads such as Kuppi Khad, Tandewali Khad, Samawali Khad, all finally draining into Chenab River.

5. Waterbodies:

Apart from these rivers and nallas 26 waterbodies have been mapped in the division (using high resolution satellite images) in the division, which includes one Lake (Surinsar) and 25 ponds.

RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
Jindrah	01	29.9	05	0.22
Bahu	01	5.95	09	0.62
Kalidhar	00	-	05	-
Jammu	00	-	05	0.48
Total	02	35.85	24	1.32

6. Major Plant Species:

Type	Major Species
Conifers	<i>Pinus roxburgii</i> on router ridges
Broad-Leaved	<i>Acacia nilotica</i> , <i>Acacia catechu</i> , <i>Acacia nilotica</i> , <i>Acacia modesta</i> , <i>Albizia lebbeck</i> , <i>Butea monosperma</i> , <i>Cassia fistula</i> , <i>Terminalis chebula</i> , <i>Ficus Spp.</i> , <i>Dalbergia sissoo</i> , <i>Emblica officinalis</i> , <i>Mangifera indica</i> , <i>Lannea coromendalica</i> , <i>Mallotus philippensis</i> , <i>Oloea cuspidata</i> , <i>Punica granatum</i> , <i>Bombax ceiba</i> , <i>Syzygium cumini</i> , <i>Ziziphus jujuba</i> and <i>Ficus spp</i>
Shrubs	<i>Carrissa spinarum</i> , <i>Dodonea viscosa</i> , <i>Adhatoda vasica</i> , <i>Colebrookia oppositifolia</i> , <i>Euphorbia royleana</i> , <i>Nerium indicum</i> , <i>woodfordia floribunda</i> , <i>Woodfordia fruticosa</i> .
Source	Working Plan of Jammu Forest Division

Table:Waterbodies/Ponds of Jammu Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Keran Talao	121794312130066	Jammu	004/P	Paloura	Keran	0.14	32° 47' 12.122" N	74° 50' 33.813" E
2	Surinsar Lake	121794316010063	Jindrah	Mansar WL Sanctuary	Mansar WL Sanctuary	Mansar WL Sanctuary	29.94	32° 46' 12.978" N	75° 2' 29.304" E
3	Chanas Tikri	119724312130008	Jindrah	001/J	Jindrah	Salora	0.04	32° 56' 20.582" N	74° 58' 22.544" E
4	Kawara	121794312130081	Jammu	002/N	Nagrota-I	Panjgrain-II	0.09	32° 51' 16.634" N	74° 55' 13.957" E
5	Rahya Suchani Chowk Chapri Bantalab (Nagrota)	122824312130042	Jammu	001/N	Nagrota-I	Panjgrain-I	0.13	32° 49' 51.887" N	74° 56' 15.076" E
6	Janakha Ward 2	121794312130080	Jindrah	002/T	Tunnel	Tunnel-2	0.05	32° 51' 31.013" N	74° 58' 22.647" E
7	Chanor	121794312130083	Jammu	002/P	Paloura	Telki	0.05	32° 46' 52.771" N	74° 50' 52.534" E
8	Dabber Mohalla Sidhra W.No 71	122824312130165	Bahu	063/Baj	Bajalta	Sidhra	0.03	32° 45' 25.003" N	74° 55' 20.927" E
9	Beri Mohalla Sidhra W.No 71	12282431213164	Bahu	063/Baj	Bajalta	Sidhra	0.01	32° 45' 0.870" N	74° 55' 40.755" E
10	Batti Mohalla Sidhra W.No 71	122824312130160	Bahu	063/Baj	Bajalta	Sidhra	0.04	32° 44' 52.395" N	74° 55' 34.359" E
11	Batti Mohalla Sidhra W.No 71	122824312130160	Bahu	063/Baj	Bajalta	Sidhra	0.03	32° 44' 44.399" N	74° 55' 36.489" E
12	Palpad Rangoora W.No 71	122824312150155	Bahu	064a/B	Bahu	Palpar	0.03	32° 44' 34.924" N	74° 54' 44.381" E
13	Palpad Rangoora W. No 71	101014310060007	Bahu	064a/B	Bahu	Palpar	0.01	32° 44' 35.289" N	74° 54' 45.511" E
14	Sunjwan W.No 74 Haji Colony	121794312140171	Bahu	008b/Ch	Chowadi	Chatta	0.18	32° 41' 17.676" N	74° 55' 6.801" E
15	Chatta Brahmana Mohalla 71 Gandhi Nagar	121794312140035	Bahu	009/Ch	Chowadi	Sumbli	0.27	32° 41' 48.550" N	74° 56' 57.317" E
16	Chatta Dumm Mohalla 71 Ghandhi Nagar	121794312140036	Bahu	013/Ch	Chowadi	Sumbli	0.02	32° 41' 53.215" N	74° 57' 26.927" E
17	Bilaspur I	119754316060052	Jindrah	RFPF	-	-	0.11	32° 42' 42.229" N	75° 15' 9.230" E
18	Lanka Mandir	119754316060050	Jindrah	002/P	Peoni	Pathwar	0.02	32° 42' 38.981" N	75° 16' 17.819" E
19	Rahya Suchani Chowk Chapri	122824312130060	Jammu	002/N	Nagrota-I	Panjgrain-II	0.07	32° 49' 55.599" N	74° 56' 12.721" E
20	Pond Near Maha Kali Mandir Village chowki Choura	121784311120092	Kalidhar	038/K	Choura	Choura	NA	33° 1' 13.000" N	74° 38' 24.220" E

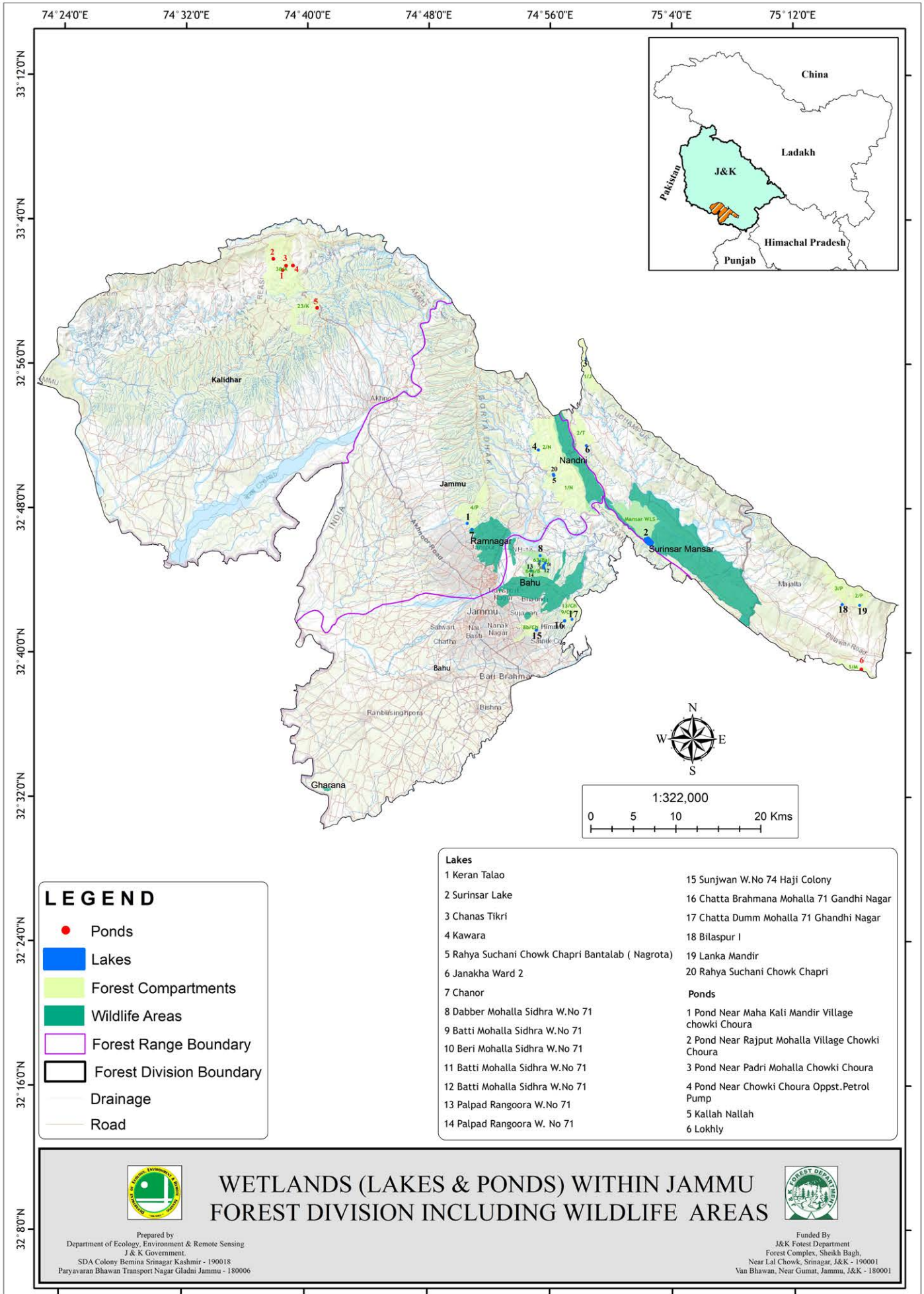
21	Pond Near Rajput Mohalla Village ChowkiChoura	121784311120093	Kalidhar	038/K	Choura	Choura	NA	33° 1' 50.720" N	74° 37' 47.630" E
22	Pond Near Padri Mohalla Chowki Choura	121784311120094	Kalidhar	038/K	Choura	Choura	NA	33° 1' 27.730" N	74° 38' 37.840" E
23	Pond Near Chowki Choura Oppst. Petrol Pump	121784311120095	Kalidhar	038/K	Choura	Choura	NA	33° 1' 28.343" N	74° 39' 5.296" E
24	Kallah Nallah	121784312090177	Kalidhar	023/K	Sumah	Bardal	NA	32° 59' 7.510" N	74° 40' 41.120" E
25	Lokhly	119754316060099	Jindrah	001/M	Mansar	Sail	NA	32° 39' 6.100" N	75° 16' 24.530" E
26	Gharana	121804312100045	Bahu	-	-	-	5.95	34°02' 6.731" N	74°46' 0.18"E

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KATHUA FOREST DIVISION

1. Quick Info

Latitude:	32°17'9.19"N to 32°36'28.246"N
Longitude	75°12'49.41"E to 75°43'20.542"E
Altitude:	264 m to 1256 m
Area:	1056.2 Sq.kms.
Source	Working Plan for Jammu Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq Kms
Kathua	549.40
Jasrota	506.8
Total Area	1056.2

3. Climate:

The Division lies in the subtropical region and experiences harsh conditions in both summers as well as during winters. Frequent drought during summers and flash floods during the rainy season are common. Often frost and dense fog are observed during peak winters. The mean summer temperatures remain high, often above 40°C, the hottest month being June. December and January remain the coldest months with temperatures sometimes touching below 0°C.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Pinus roxburghii</i> on higher ridges
Broad-Leaved	<i>Acacia nilotica</i> , <i>Acacia catechu</i> , <i>Acacia nilotica</i> , <i>Acacia modesta</i> , <i>Albizia lebbek</i> , <i>Butea monosperma</i> , <i>Cassia fistula</i> , <i>Terminalis chebula</i> , <i>Ficus Spp.</i> , <i>Dalbergia sissoo</i> , <i>Emblica officinalis</i> , <i>Mangifera indica</i> , <i>Lannea coromendalica</i> , <i>Mallotus philippensis</i> , <i>Oleoa cuspidata</i> , <i>Punica granatum</i> , <i>Bombax ceiba</i> , <i>Syzygium cumini</i> , <i>Ziziphus jujuba</i> and <i>Ficus spp</i>
Climbers	<i>Woodfordia fruticosa</i> , <i>Colebrookea oppositifolia</i> , <i>Bauhinia vahlii</i> , <i>Spatholobus roxburghii</i>
Shrubs	<i>Carrissa spinarum</i> , <i>Dodonea viscosa</i> , <i>Adhatoda vasica</i> , <i>Colebrookia oppositifolia</i> , <i>Euphorbia royleana</i> , <i>Nerium indicum</i> , <i>woodfordia floribunda</i> , <i>Woodfordia fruticosa</i> .
Source	Working Plan of Kathua Forest Division

5. Drainage and Hydro Morphology

The whole area drains into Ravi river through numerous khads which run in North-South direction. Some of these khads are perennial. Some of the major khads in the Division are Basantpur Khad, Magar Khad, Kumbri-Kathera, Lower Ujh, Tarnah Khad, Bein Khad and Basantar Khad. The Ravi river basin is a sub-basin to the Indus river.

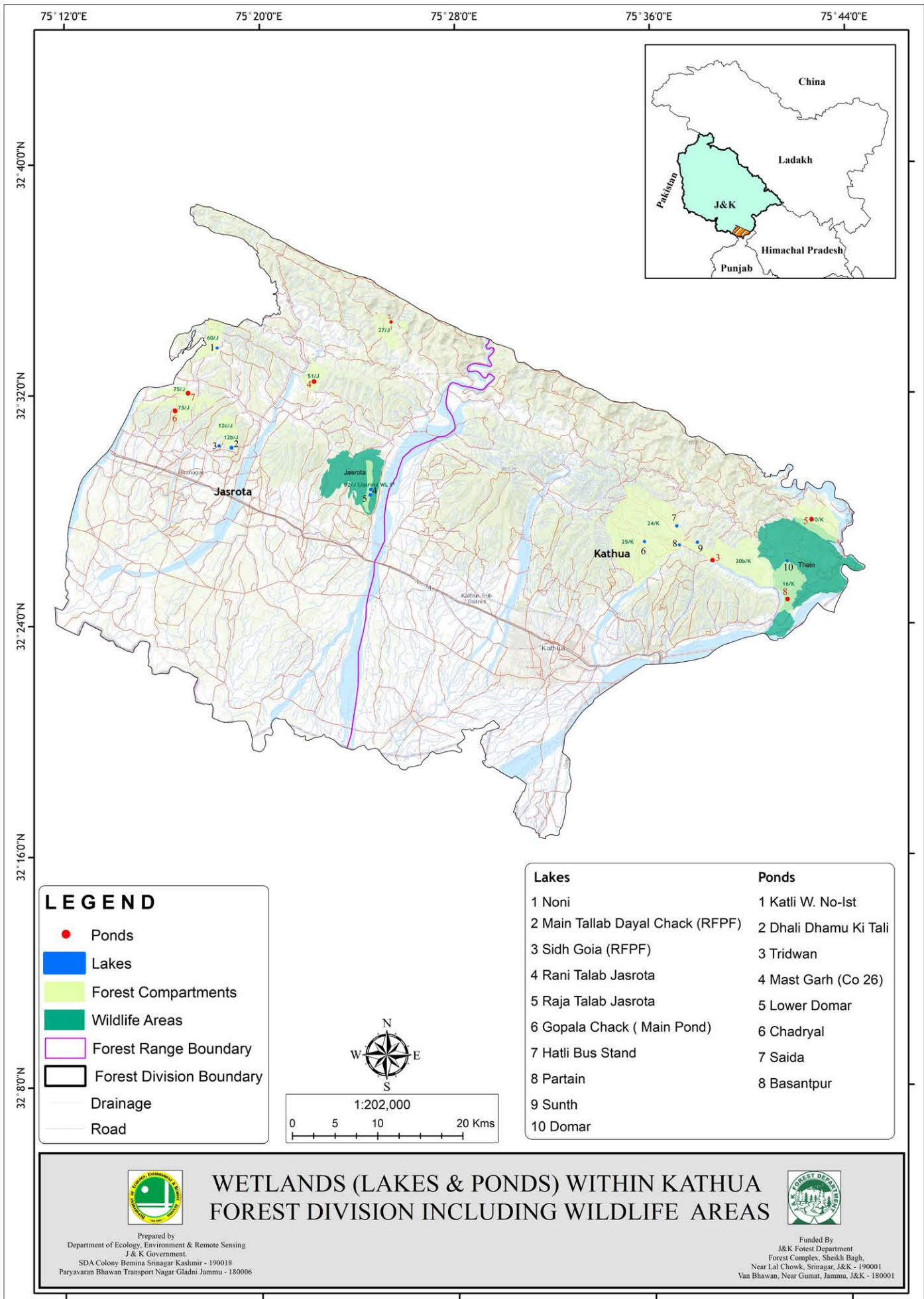
6. Waterbodies:

Apart from these rivers and nallas 18 ponds have been identified in the Forest Divisions.

RANGE	Lakes/Waterbodies	Ponds
Kathua	0	08
Jasrota	0	10
Total	0	18

Table: Waterbodies/Ponds of Kathua Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Noni	107314316060096	Jasrota	060/J	Lower Hiranagar	Chilik-I	0.05	32° 33' 39.010" N	75° 18' 14.470" E
2	Main Tallab Dayal Chack	107314316060754	Jasrota	RFPP	-	-	0.45	32° 30' 11.294" N	75° 18' 49.179" E
3	Sidh Goia CO.25	107314316060123	Jasrota	RFPP	-	-	0.09	32° 30' 15.231" N	75° 18' 18.443" E
4	Rani Talab Jasrota	107304316070193	Jasrota	002/J (Jasrota WL Sanctuary)	Jasrota WL Sanctuary	Jasrota WL Sanctuary	0.13	32° 28' 43.633" N	75° 24' 30.377" E
5	Raja Talab Jasrota	107304316070192	Jasrota	001/J (Jasrota WL Sanctuary)	Jasrota WL Sanctuary	Jasrota WL Sanctuary	0.27	32° 28' 32.368" N	75° 24' 29.068" E
6	Gopala Chack (Main Pond)	107304316110084	Kathua	025/K	Janglote	Dilwan Dole	0.08	32° 26' 52.624" N	75° 35' 41.189" E
7	Hatli Bus Stand	107304316110226	Kathua	024/K	Janglote	Dilwan Dole	0.14	32° 27' 24.848" N	75° 37' 0.642" E
8	Partain	107304316110112	Kathua	024/K	Janglote	Dilwan Dole	0.04	32° 26' 45.237" N	75° 37' 6.796" E
9	Sunth	107304316110231	Kathua	024/K	Janglote	Dilwan Dole	0.12	32° 26' 50.646" N	75° 37' 50.891" E
10	Domar	107304316110111	Kathua	013/K	Basantpur	Nora	0.09	32° 26' 10.748" N	75° 41' 30.411" E
11	Katli W. No-Ist	107304316060075	Jasrota	027/J	Mastgarh	Mastgarh-II	NA	32° 34' 32.130" N	75° 25' 22.130" E
12	Dhali Dhamu Ki Tali	107304316060076	Jasrota	027/J	Mastgarh	Mastgarh-II	NA	32° 34' 32.130" N	75° 25' 22.130" E
13	Tridwan	107304316110083	Kathua	020b/K	Basantpur	Nora	NA	32° 26' 13.050" N	75° 38' 28.030" E
14	Mast Garh (Co 26)	107304316060121	Jasrota	051/J	Mastgarh	Kathera-II	NA	32° 32' 28.560" N	75° 22' 12.150" E
15	Lower Domar	107304316110138	Kathua	010/K	Basantpur	Thein	NA	32° 27' 36.690" N	75° 42' 31.270" E
16	Chadryal	107314316060224	Jasrota	073/J	Lower Hiranagar	Kootah	NA	32° 31' 28.090" N	75° 16' 31.040" E
17	Saida	107314316060236	Jasrota	075/J	Lower Hiranagar	Kootah	NA	32° 32' 4.860" N	75° 17' 2.510" E
18	Basantpur	107304316111195	Kathua	016/K	Basantpur	Nora	NA	32° 24' 51.010" N	75° 41' 31.040" E



POONCH FOREST DIVISION

1. Quick Info

Latitude:	33°27'50.182"N to 33°58'9.35"N
Longitude	73°58'8.637"E to 74°32'14.844"E
Altitude:	693m to 4679m
Area:	1661.01 sq.kms
Source	Working Plan for Poonch Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Haveli	683.21
Surankote	561.33
Mendhar	416.47
Total Area	1661.01

3. Climate:

The climate of the tract varies mainly with its altitude. In valleys surrounding hills lying below 1500 m subtropical climate prevails as in parts of Mendhar and Haveli Ranges including the townships of Poonch and Mendhar. The higher elevations have temperate climate.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Pinus roxburghii</i> , <i>Pinus wallichiana</i>
Broad-Leaved	<i>Quercus incana</i> , <i>Q. dilatata</i> , <i>Q. semecarpifolia</i> , <i>Juglans regia</i> , <i>Populus ciliata</i> , <i>Acer caesium</i> , <i>Celtis australis</i> , <i>Aesculus indica</i> , <i>Ulmus wallichiana</i> , <i>Pyrus pashia</i> , <i>Taxus baccata</i> , <i>Machilus duthei</i> , <i>Buxus wallichiana</i> , <i>Prunus padus</i> , <i>Alnus nitida</i>
Alpines	<i>Junipers</i> , <i>Betula</i> , <i>Rhododendrons</i> , <i>Willows</i> and <i>Spiraca spp.</i>
Source	Working Plan of Poonch Forest Division

5. Drainage and Hydro Morphology

The division lies in the top catchment of Poonch River which drains it out of LOC before confluencing into the river Jhelum. Major portion of Haveli Range is drained by Mandi Nala which joins with Suran River at Kalai. However, most of their catchment falls beyond the line of control. Through a network of streams Mendhar Range is entirely drained by Mendhar River which finally joins the Poonch River just across the Line of Control. Suran River drains Surankote Range with its main tributaries as chhappar Nallah on the South and Chang Nallah on the north.

6. Waterbodies:

A total of 77 waterbodies have been mapped in this division out of which 17 waterbodies and 6 ponds occur in Haveli Range, 32 waterbodies and 17 ponds occur in Surankote range whereas 5 ponds occur in Mendhar range. The ponds have been mapped as point layer owing to their small size.

RANGE	Lakes/Waterbodies	Area in Ha	Ponds
Haveli	17	12.05	6
Surankote	32	85.93	17
Mendhar	0	0	5
Total	49	97.98	28

Table: Waterbodies /Ponds of Poonch Forest Division.

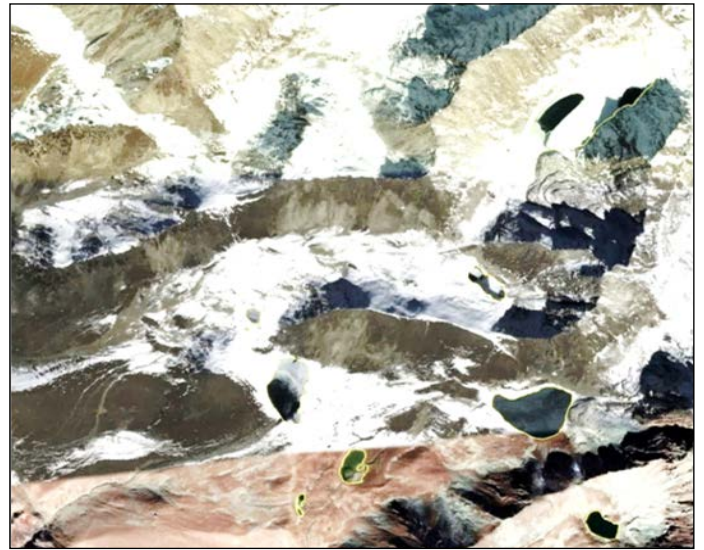
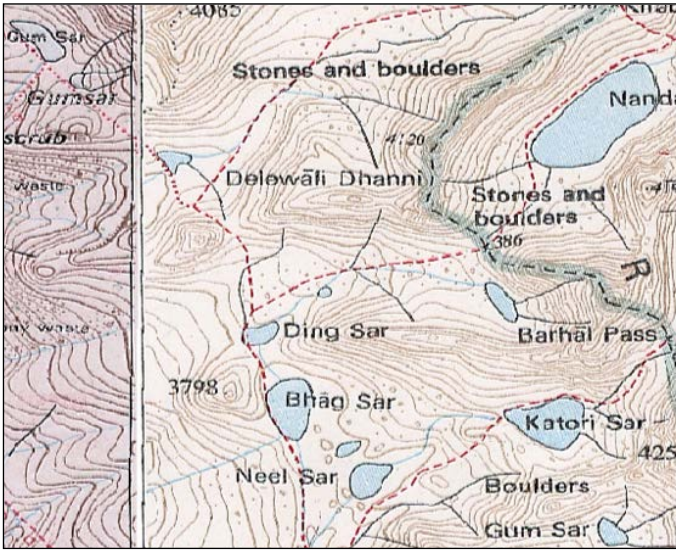
S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Kaller Katell	105194311060035	Surankote	044c/S	Gundi	Marhote	0.21	33° 32' 24.256" N	74° 31' 21.918" E
2	Bhagsar	105194311100009	Surankote	092/S	Behramgala	Mahra-II	7.45	33° 32' 28.420" N	74° 30' 28.804" E
3	Ding Sar 1	105194311100008	Surankote	092/S	Behramgala	Mahra-II	0.83	33° 32' 44.295" N	74° 30' 21.002" E
4	Ding Sar 2	105194311100131	Surankote	092/S	Behramgala	Mahra-II	0.08	33° 32' 41.486" N	74° 30' 19.523" E
5	Barhal Sar	105194311100011	Surankote	092/S	Behramgala	Mahra-II	2.3	33° 32' 51.369" N	74° 31' 11.189" E
6	Katori Sar	105194311100012	Surankote	091/S	Behramgala	Mahra-II	10.27	33° 51' 17.886" N	74° 24' 7.991" E
7	Gum Sar 2	105194311100013	Surankote	091/S	Behramgala	Mahra-II	2.26	33° 32' 0.478" N	74° 31' 36.341" E
8	Delewali Danni Sar	105194311100130	Surankote	093/S	Behramgala	Mahra-II	3.49	33° 33' 29.320" N	74° 30' 20.142" E
9	Bod Gum Sar	105194311060007	Surankote	094/S	Behramgala	Mahra-II	1.24	33° 33' 46.762" N	74° 29' 36.935" E
10	Mahra Sar	105194311100014	Surankote	088/S	Behramgala	Mahra-II	0.7	33° 36' 39.600" N	74° 24' 0.360" E
11	Sannan Sar	105194311100015	Surankote	088/S	Behramgala	Mahra-II	24.8	33° 30' 35.697" N	74° 33' 49.564" E
12	Rupri Sar	115614311100011	Surankote	088/S	Behramgala	Mahra-II	0.38	33° 30' 52.264" N	74° 34' 15.287" E
13	Chambar Sar	105194311110016	Surankote	087/S	Behramgala	Mahra-II	11.27	33° 29' 44.977" N	74° 33' 52.015" E
14	Marguri Sar 1	105194311110017	Surankote	086/S	Behramgala	Mahra-II	5.37	33° 29' 29.978" N	74° 32' 39.600" E
15	Marguri Sar 2	105194311100015	Surankote	086/S	Behramgala	Mahra-II	0.71	33° 29' 37.128" N	74° 32' 22.627" E
16	Chhee Sar 1	105194311110018	Surankote	086/S	Behramgala	Mahra-II	0.73	33° 28' 44.346" N	74° 31' 41.122" E
17	Chhee Sar 2	105194311110019	Surankote	086/S	Behramgala	Mahra-II	2.1	33° 28' 37.903" N	74° 31' 57.704" E
18	Janjan Wali Sar	105194311110121	Surankote	086/S	Behramgala	Mahra-II	5.7	33° 29' 22.757" N	74° 30' 49.578" E
19	Jamianwali Gali Sar 2	105194311100130	Haveli	073/H	Sabzian	Brari	0.49	33° 55' 19.538" N	74° 23' 17.541" E
20	Jamainwali Gali Sar 1	105194311100131	Haveli	073/H	Sabzian	Brari	0.97	33° 55' 6.039" N	74° 23' 32.435" E
21	Surma Sar	105194311100132	Haveli	073/H	Sabzian	Brari	0.29	33° 54' 52.814" N	74° 23' 11.398" E
22	Andwari Sar	105194311110016	Haveli	073/H	Sabzian	Brari	1.16	33° 54' 28.905" N	74° 23' 4.563" E
23	Ghar Shar Sar	105194311110017	Haveli	073/H	Sabzian	Brari	0.66	33° 54' 23.093" N	74° 23' 9.408" E
24	Jamainwali Gali Sar 3	105194311110018	Haveli	073/H	Sabzian	Brari	0.25	33° 55' 14.129" N	74° 23' 40.763" E
25	Sarain Sar	105194311110019	Haveli	084/H	Sabzian	Gagrian	0.88	33° 55' 59.915" N	74° 21' 11.738" E
26	Nainsukh Sar	105194311110121	Haveli	072/H	Sabzian	Brari	0.32	33° 52' 50.511" N	74° 23' 43.560" E

27	Chinarmarg Sar	105164311050005	Haveli	052/H	Loran	Loran	0.46	33° 52' 43.530" N	74° 23' 35.306" E
28	Kharsar Nag 1	105194311050021	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	1.1	33° 51' 27.331" N	74° 24' 27.257" E
29	Kharsar Nag 2	105194311050022	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	0.94	33° 53' 35.662" N	74° 23' 7.805" E
30	Dugrian Sar 3	105194311100129	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.06	33° 41' 24.048" N	74° 31' 53.810" E
31	Dugrian Sar 1	105194311100127	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.28	33° 41' 27.636" N	74° 32' 0.287" E
32	Dugrian Sar 2	105194311100128	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.08	33° 41' 27.810" N	74° 32' 1.936" E
33	Satsari Sar 1	105194311100267	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.04	33° 42' 6.733" N	74° 30' 32.859" E
34	Ghumnam Sar	105194311060283	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.15	33° 43' 19.993" N	74° 29' 16.032" E
35	Handnal Sar 1	105164311050006	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	2.51	33° 48' 20.216" N	74° 26' 10.778" E
36	Neel Sar 1	105194311050278	Surankote	091/S	Behramgala	Mahra-II	2.58	33° 32' 11.956" N	74° 30' 43.373" E
37	Neel Sar 2	105194311100132	Surankote	091/S	Behramgala	Mahra-II	0.45	33° 32' 3.543" N	74° 30' 31.777" E
38	Handnal Sar 2	105164311050275	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	0.19	33° 48' 36.889" N	74° 25' 36.403" E
39	Handnal Sar 3	105164311050276	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	0.46	33° 48' 19.543" N	74° 26' 20.572" E
40	Handnal Sar 4	105164311050277	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	0.44	33° 48' 9.083" N	74° 26' 25.014" E
41	Khara Ki Gali Sar	105164311050280	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	0.34	33° 46' 37.700" N	74° 2' 27.900" E
42	Kunalain Sar	105164311050279	Haveli	072/H	Sabzian	Brari	0.6	33° 41' 34.100" N	74° 12' 36.100" E
43	Satsari Sar 4	105194311100270	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.39	33° 41' 49.348" N	74° 30' 41.744" E
44	Satsari Sar 5	105194311100271	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.39	33° 41' 50.886" N	74° 30' 49.671" E
45	Satsari Sar 7	105194311100273	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.16	33° 41' 51.518" N	74° 31' 6.096" E
46	Satsari Sar 6	105194311100272	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.14	33° 41' 52.551" N	74° 31' 2.714" E
47	Satsari Sar 3	105194311100269	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.21	33° 42' 2.188" N	74° 30' 50.042" E
48	Satsari Sar 2	105194311100268	Surankote	Tatakuti WL Sanctuary	WL Sanctuary	WL Sanctuary	0.36	33° 42' 1.779" N	74° 30' 39.320" E
49	Marguri Sar 3	105194311100134	Surankote	087/S	Behramgala	Mahra-II	0.74	33° 30' 8.641" N	74° 32' 24.805" E
50	Panjal Sar	105164311050281	Haveli	032/H	Loran	Bella Bala	NA	33° 47' 11.010" N	74° 21' 45.890" E

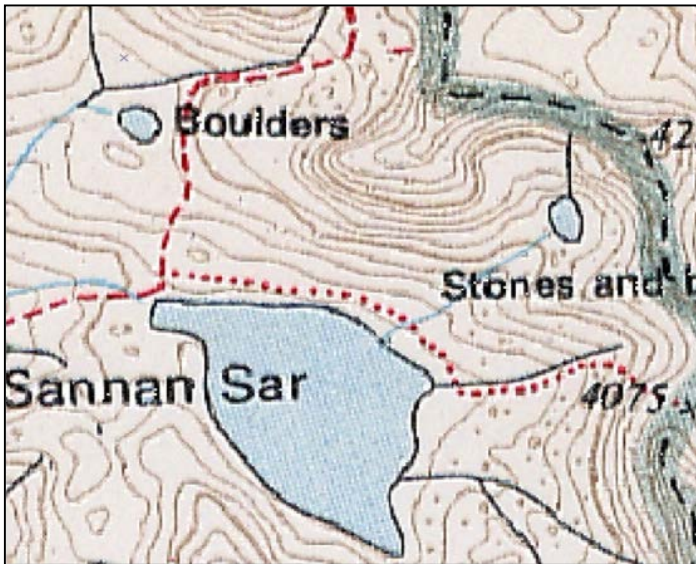
51	Lassana-I	105194311020044	Surankote	053/S	Samote	Lassana	NA	33° 39' 19.810" N	74° 22' 24.710" E
52	Sanai	105164311020046	Surankote	051c/S	Gundi	Hari	NA	33° 43' 14.200" N	74° 14' 54.500" E
53	Marah-I	105194311060047	Surankote	005a/S	Murrah	Dogran	NA	33° 38' 0.500" N	74° 27' 47.400" E
54	Draba	105194311060048	Surankote	066/S	Bufliaz	Draba	NA	33° 35' 54.000" N	74° 18' 17.030" E
55	Marah-II	105194311060049	Surankote	038/S	Murrah	Mahra	NA	33° 39' 16.800" N	74° 22' 19.200" E
56	Khari	105164311010041	Haveli	140a/H	Poonch	Bagyal Dara	NA	33° 51' 33.761" N	74° 24' 21.937" E
57	Surankote	105194311060051	Surankote	061/S	Samote	Samote	NA	33° 38' 35.300" N	74° 15' 3.000" E
58	Bufliaz	105194311060052	Surankote	073/S	Bufliaz	Mastan Dara	NA	33° 36' 24.800" N	74° 19' 54.200" E
59	Dana Gunthal	105194311060056	Surankote	044a/S	Gundi	Marhote	NA	33° 39' 51.120" N	74° 16' 43.000" E
60	Mora Bachai-I	105194311060058	Surankote	044b/S	Gundi	Marhote	NA	33° 40' 33.500" N	74° 16' 38.700" E
61	Hari	105194311060060	Surankote	050/S	Gundi	Hari	NA	33° 43' 45.800" N	74° 18' 58.200" E
62	Marote	105194311060061	Surankote	050/S	Gundi	Hari	NA	33° 43' 45.800" N	74° 18' 58.200" E
63	Phagla-II	105194311060063	Surankote	051b/S	Gundi	Hari	NA	33° 41' 15.500" N	74° 15' 22.800" E
64	Harni	105184311020066	Mendhar	037/M	Gursain	Sarhuti	NA	33° 36' 57.100" N	74° 12' 22.200" E
65	Naka Manjari	105194311100067	Surankote	088/S	Behramgala	Mahra-II	NA	33° 30' 49.307" N	74° 33' 17.247" E
66	Kaller	105184311020071	Mendhar	020/M	Dharamsal	Gohlad	NA	33° 41' 8.857" N	74° 19' 21.482" E
67	BG Nakker-I	105184311020072	Mendhar	020/M	Dharamsal	Gohlad	NA	33° 31' 49.400" N	74° 12' 2.800" E
68	Dharati-I	105184311020075	Mendhar	020/M	Dharamsal	Gohlad	NA	33° 32' 7.300" N	74° 12' 2.800" E
69	Dharati-II	105184311020076	Mendhar	020/M	Dharamsal	Gohlad	NA	33° 31' 49.400" N	74° 12' 2.800" E
70	Mankote-I	105194311060082	Surankote	041/S	Gundi	Gundi	NA	33° 38' 23.100" N	74° 20' 12.800" E
71	Kallar-I	105164311050094	Haveli	Khara WLCR	Khara WLCR	Khara WLCR	NA	33° 51' 49.799" N	74° 23' 7.766" E
72	Loan GaliKaller	105194311060100	Surankote	038/S	Murrah	Mahra	NA	33° 31' 3.605" N	74° 33' 34.618" E
73	Balakote	105164311050102	Haveli	074/H	Sabzian	Brari	NA	33° 54' 5.030" N	74° 21' 20.797" E
74	Kallar-I	105164311050103	Haveli	072/H	Sabzian	Brari	NA	33° 32' 7.300" N	74° 12' 2.800" E
75	Sawni Jabra	105194311060106	Surankote	074/S	Bufliaz	Bufliaz	NA	33° 36' 8.280" N	74° 21' 47.520" E
76	Sawni Top	105194311060107	Surankote	016/S	Murrah	Sailan	NA	33° 37' 18.120" N	74° 22' 0.840" E
77	Beaulian	105164311050282	Haveli	Kulian WLCR	Kulian WLCR	Kulian WLCR	NA	33° 46' 12.000" N	74° 24' 40.680" E

Topo sheets 1965

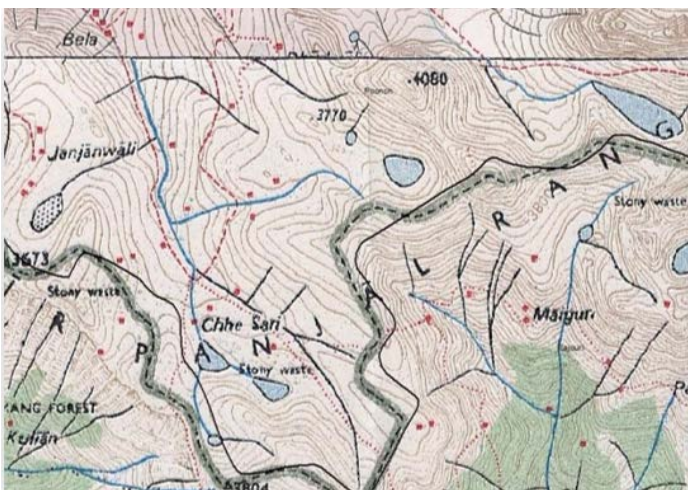
Satellite Images 2020 (Google Earth)



Bhagsar, Dingsar 1-2, Barhal Sar 1,2, Delewali Dani Sar, Gum Sar, Katori Sar



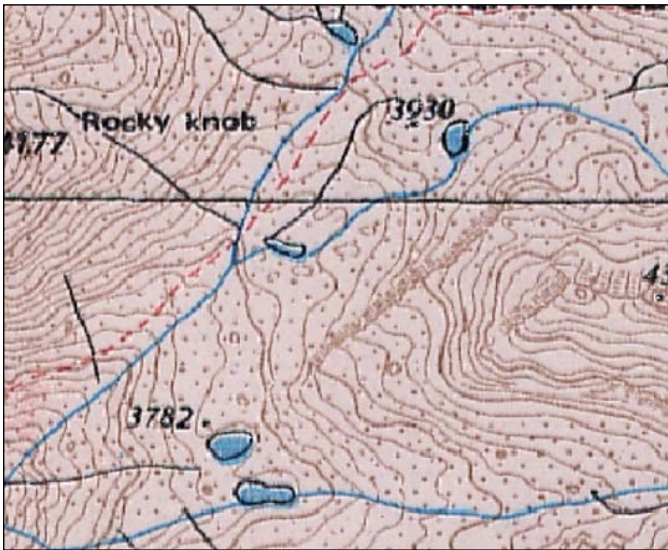
Sanan Sar, Mahra Sar, Rupri Sar



Chamber Sar, Marguri Sar 1-2, Chhee Sar, Janjanwali Sar

Topo sheets 1965

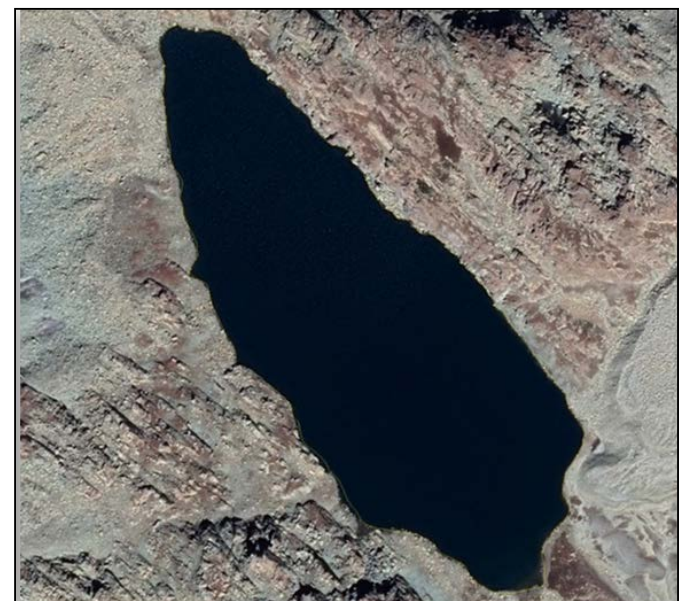
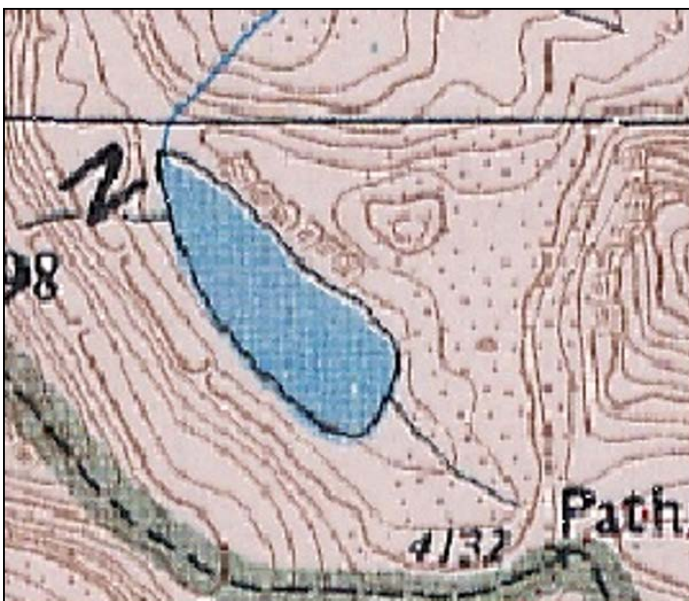
Satellite Images 2020 (Google Earth)



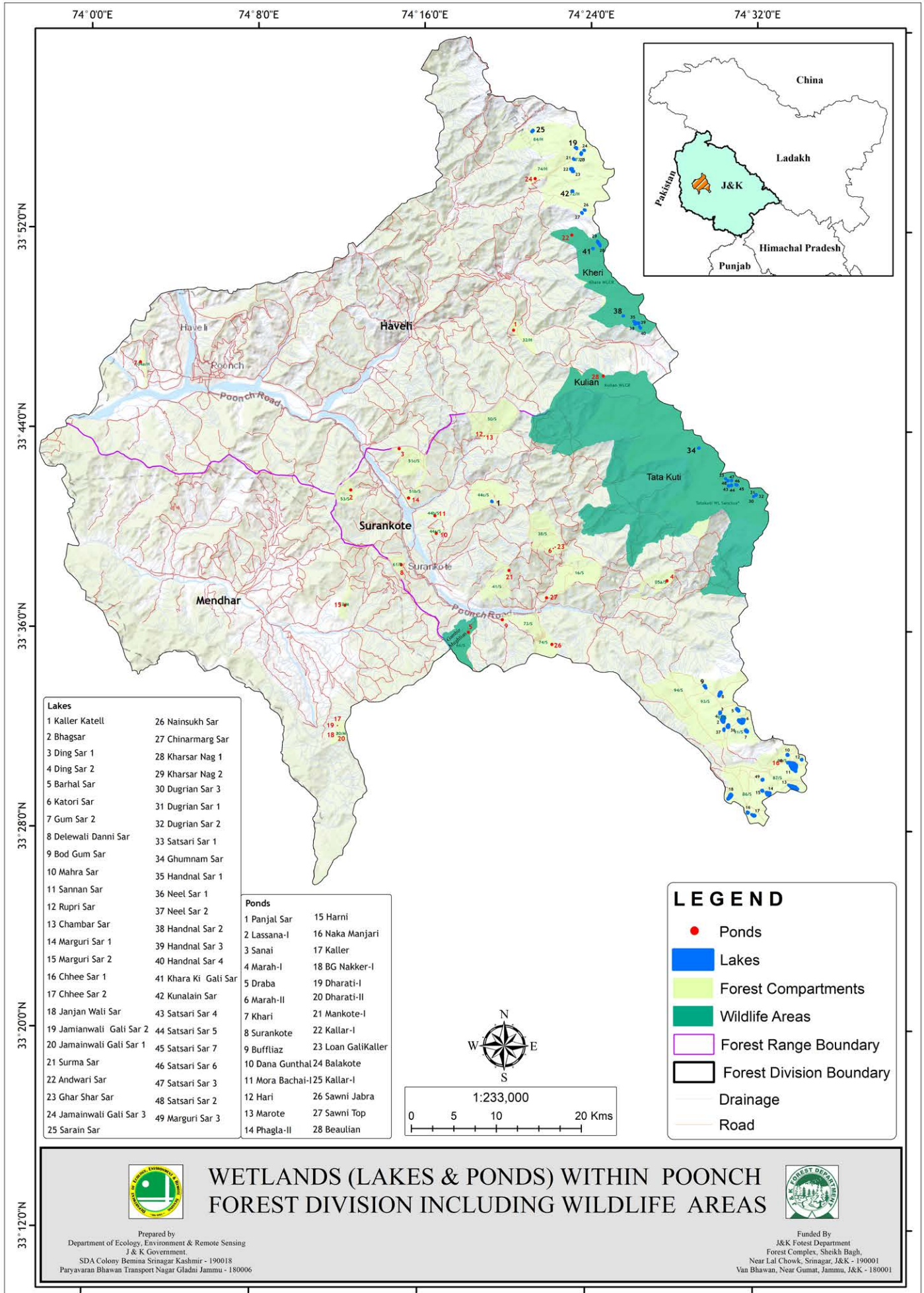
Andwari Sar, Ghar Shar Sar, Jamainwali Sar 1-2, Surma Sar



Kharasar 1,2 Kharagali Sar



Pathri Sar



RAMBAN FOREST DIVISION

1. Quick Info

Latitude:	33°9'22.223"N to 33°31'15.354"N
Longitude	75°4'38.442"E to 75°23'36.157"E
Altitude:	189 to 6997 meters
Area:	814.7sq.kms.
Source	Working Plan for Ramban Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Ramban	414.8
Banihal	399.9
Total Area	814.7

3. Climate:

Due to variation in the altitude from 645 to 4553 meters, there is considerable variation in the climate also. Major portion of this division falls above 1850 feet altitude and consists of high hills, with a temperate climate, where winter is very cold and severe whereas summers are moderate and pleasant. Major portion of the precipitation comes during the winter months in the form of snow. The low-lying area, commonly known as "Kandi area" though small in extent experiences subtropical climate.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana.</i>
Broad-Leaved	<i>Quercus ilex, Quercus incana, Q. dilitata, Q. semicarpifolia, Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana</i>
Alpines	<i>Rhododendrons, Birch, Juniper, Spruce,</i>
Source	Working Plan of Ramban Forest Division

5. Drainage and Hydro Morphology

The tract forms the watershed mainly of Grel Dharote, Karol Balhote, Pogal -Paristan, Neel nallas in Ramban Range and Mohumangit and Banihal nallas forming Bachlari River in Banihal Range. The whole water shed drains into Chenab, some of these streams including Mohu Mangit, Banihal, Pogal Paristan and Neel nallas are perennial and carry adequate water throughout the year.

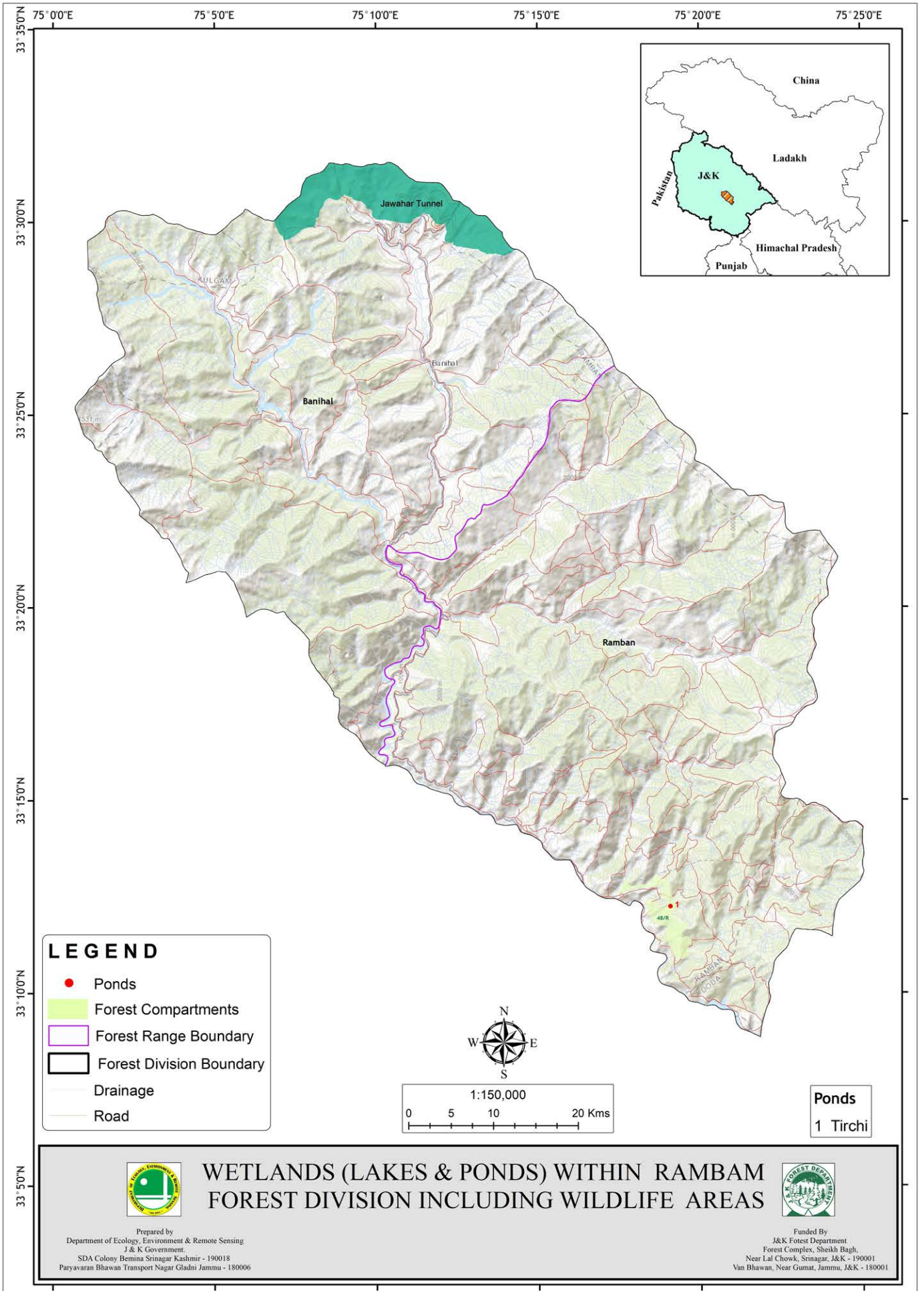
6. Waterbodies:

Apart from these rivers and nallas only 01 pond have been identified in Ramban range.

RANGE	Lakes/Waterbodies	Ponds
Ramban	0	01
Total	0	01

Table: Waterbodies /Ponds of Poonch Forest Division.

S.No	Name	UIN	District	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Tirchi, Co-62/U	119724316010068	Ramban	Ramban	48/R	Rajgarh	Dhandrat-A	NA	33° 12' 15.000" N	75° 19' 4.000" E



RAJOURI FOREST DIVISION

1. Quick Info

Latitude:	33°9'41.954"N to 33°34'36.137"N
Longitude	74°11'42.033"E To 74°39'53.145"E
Altitude:	600 meters to 4660
Area:	1424.84 SqKms
Source	Working Plan for Rajouri Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Rajouri	618.05
Kalakote	362.94
Kandi	443.85
Total Area	1424.84

3. Climate:

The altitude of the Division varies from 600 meters to 4660 meters. The areas falling in lower altitudes experience sub-tropical climate where the summers are hot and winters are cold, with precipitation received primarily in the form of rains during monsoons and partly in winters. The north and north eastern portions of the tract, where the altitude rises above 1800 meters experiences temperate climate and gets heavy winter snowfall. Here the snow stays even upto April. Some of the areas below 1800 meters altitude also get winter snowfall.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Pinus roxburgii, Abies pindrow</i>
Broad-Leaved	<i>Quercus incana, Buxus wallichiana, Lyonia ovalifolia, Acacia catechu</i>
Alpines	<i>Rhododendrons, Salix .spp</i>
Source	Working Plan of Rajouri Forest Division

5. Drainage and Hydro Morphology

The high elevation portion of the Division i.e Kandi Budhal area drains into Ans river which ultimately drains into river Chenab near Reasi. The remaining portion of the Division drains into main Tawi which finally joins river Chenab. The main tributaries of main Tawi include Rajouri Tawi, Sukhtao, Panda Kas, Dhelloriwali Tawi, Jamola Wali Tawi, Nehari Tawi, Khandal nalah and Kalar Kas.

6. Waterbodies:

A total of 54 waterbodies have been mapped in this division, which include 7 lakes and 47 ponds. All ponds mapped as point feature due to their very small size. 7 waterbodies and 3 ponds occur in Kandi Range, 29 ponds in Rajouri range and 15 ponds in Kalakote range of the division.

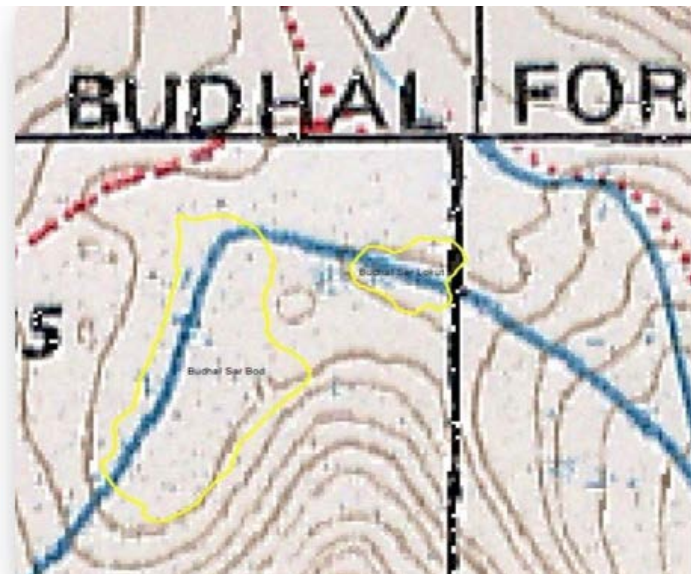
RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Rajouri	0	0	29
Kalakote	0	0	15
Kandi	7	39.82	3
Total	7	39.82	47

Table 13: Waterbodies/Ponds of Rajouri Forest Division

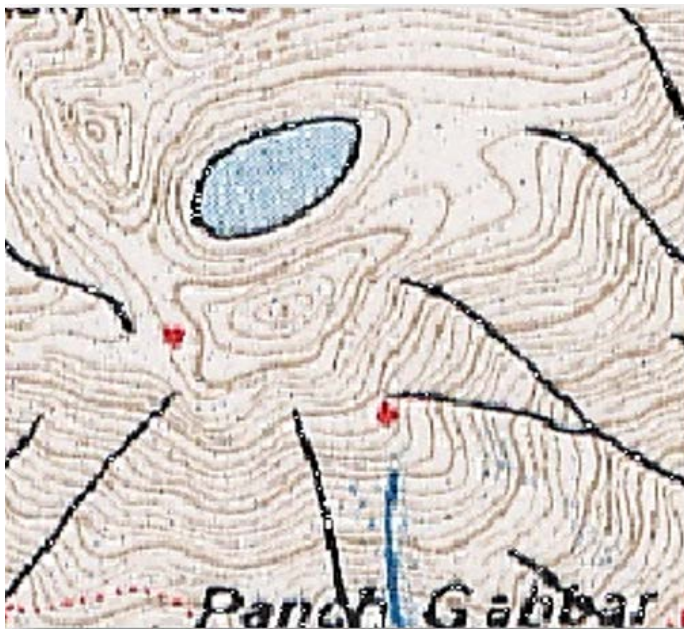
S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Budhal Sar Bod	106234311110007	Kandi	016/K	Budhal	Dodanar-A	8.58	33° 29' 45.937" N	74° 34' 42.598" E
2	Budhal Sar Lokut	106234311110148	Kandi	016/K	Budhal	Dodanar-A	1.45	33° 29' 51.222" N	74° 34' 54.520" E
3	Panch Gabbar Sar	106234311110001	Kandi	016/K	Budhal	Dodanar-A	5.58	33° 29' 9.798" N	74° 34' 8.521" E

4	Bela Sar	106234311110002	Kandi	017/K	Budhal	Dodanar-B	3.19	33° 29' 11.738" N	74° 36' 29.737" E
5	Katori Sar 1	106234311110003	Kandi	017/K	Budhal	Dodanar-B	4.94	33° 28' 5.072" N	74° 36' 4.329" E
6	Simar Sar	106234311110004	Kandi	042/K	Budhal	Budhal-A	15.53	33° 26' 39.587" N	74° 36' 48.346" E
7	Katori Sar 2	106234311110003	Kandi	017/K	Budhal	Dodanar-B	0.55	33° 28' 6.174" N	74° 36' 15.270" E
8	Lower Ghambir	106224311060010	Rajouri	087/R	Kotli Kalaban	Kotli Kalaban	NA	33° 31' 0.020" N	74° 17' 41.640" E
9	Galhutti Morhian Katara	106224311060012	Rajouri	086/R	Kotli Kalaban	Kotli Kalaban	NA	33° 31' 17.600" N	74° 17' 35.050" E
10	Ghambir Nakkar	106224311060013	Rajouri	086/R	Kotli Kalaban	Kotli Kalaban	NA	33° 31' 17.600" N	74° 17' 35.050" E
11	Dhare Galli Co. 109/R	106204311060053	Rajouri	109/R	Thanamandi	Behrote-B	NA	33° 34' 29.683" N	74° 22' 26.936" E
12	Dhare Galli Co. 108/R	106204311060054	Rajouri	109/R	Thanamandi	Behrote-B	NA	33° 34' 7.982" N	74° 22' 6.138" E
13	Dhare Galli Co. 107/R	106204311060056	Rajouri	107/R	Thanamandi	Behrote-B	NA	33° 34' 2.008" N	74° 20' 32.095" E
14	Panggi Co. 107/R	106204311060060	Rajouri	109/R	Thanamandi	Behrote-B	NA	33° 34' 44.664" N	74° 22' 42.844" E
15	Mora Chinariyal	106244311110087	Kalakote	178/ KK	Dhaleri	Dhaleri	NA	33° 15' 42.000" N	74° 31' 41.000" E
16	Nilwah	106224311060014	Rajouri	086/R	Kotli Kalaban	Kotli Kalaban	NA	33° 31' 38.070" N	74° 17' 22.760" E
17	Jatta Brahmana	106244311070019	Kalakote	171/KK	Dhaleri	Metka	NA	33° 15' 4.900" N	74° 28' 12.840" E
18	Dassal Gugrain Co. 49/R	106224311070022	Rajouri	051/R	Rajouri	Dassal-A	NA	33° 21' 54.870" N	74° 16' 43.170" E
19	Dassal Gali Co. 49/R	106224311070023	Rajouri	050/R	Rajouri	Dassal-A	NA	33° 21' 36.470" N	74° 16' 34.500" E
20	Ghambir Nakkar Co. 87/R	106224311060025	Rajouri	086/R	Kotli Kalaban	Kotli Kalaban	NA	33° 31' 17.600" N	74° 17' 35.080" E
21	Deherie Co. 76/R	106224311020032	Rajouri	076/R	Kotli Kalaban	Sangote	NA	33° 32' 39.530" N	74° 14' 34.050" E
22	Kotli Co. 79/R	106224311060033	Rajouri	079/R	Kotli Kalaban	Sangote	NA	33° 30' 49.750" N	74° 16' 22.290" E
23	Dassal Gali 2nd Co. 49/R	106224311070034	Rajouri	050/R	Rajouri	Dassal-A	NA	33° 21' 35.790" N	74° 16' 30.950" E
24	Pollian Co 49/R	106224311070035	Rajouri	050/R	Rajouri	Dassal-A	NA	33° 21' 39.480" N	74° 15' 25.910" E
25	Pollian Co 50/R	106224311070036	Rajouri	044/R	Bathuni	Bathuni-B	NA	33° 21' 33.010" N	74° 15' 19.360" E
26	Pollian Galli Co 51/R	106224311030037	Rajouri	051/R	Rajouri	Dassal-A	NA	33° 21' 52.900" N	74° 14' 26.570" E
27	Mora Sawani Co. 22/R	106224311030038	Rajouri	023/R	Doongi	Doongi-A	NA	33° 21' 37.610" N	74° 14' 11.740" E
28	Dhara Sambla Co. 22/R	106224311030039	Rajouri	022/R	Doongi	Doongi-A	NA	33° 21' 53.830" N	74° 13' 49.350" E
29	Kotli Co. 79/R	106224311060040	Rajouri	079/R	Kotli Kalaban	Sangote	NA	33° 30' 49.750" N	74° 16' 35.470" E
30	Kotli Co. 79/R	106224311060041	Rajouri	078/R	Kotli Kalaban	Sangote	NA	33° 30' 48.990" N	74° 16' 19.110" E
31	Kotli Co. 79/R	106224311060042	Rajouri	078/R	Kotli Kalaban	Sangote	NA	33° 31' 3.600" N	74° 15' 55.430" E
32	Rajdhani Co. 104/R	106204311060057	Rajouri	103/R	Thanamandi	Behrote-A	NA	33° 30' 47.160" N	74° 19' 57.440" E

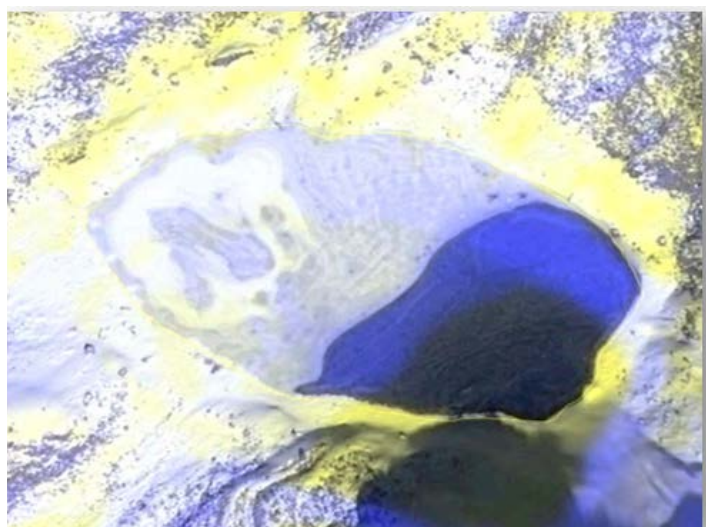
33	Fathapura Co. 101/R	106234311070058	Kandi	157/K	Nagrota	Peeri	NA	33° 25' 50.580" N	74° 28' 7.720" E
34	Shahdara Co 107/R	106204311060061	Rajouri	108/R	Thanamandi	Behrote-B	NA	33° 34' 43.000" N	74° 22' 8.610" E
35	Patrara	106234311110065	Kandi	016/K	Budhal	Dodanar-A	NA	33° 29' 19.598" N	74° 35' 19.924" E
36	Kerma Co. 39/D	106234311110068	Kalakote	196/ KK	Dhaleri	Khawas	NA	33° 16' 8.000" N	74° 38' 29.000" E
37	Chansar Galla Co. 39/D	106234311110070	Kandi	059/K	Bakori	Larkuti	NA	33° 20' 26.000" N	74° 33' 19.000" E
38	Nabni -2nd Hathle -B Co 73/D	106234311110077	Kalakote	196/ KK	Dhaleri	Khawas	NA	33° 16' 22.000" N	74° 38' 43.000" E
39	Pathi Co. 39/D	106244311080079	Kalakote	154/ KK	Kalakote	Kalakote	NA	33° 14' 12.000" N	74° 27' 25.000" E
40	Morha Talla	106244311080084	Kalakote	162/ KK	Dhaleri	Solki	NA	33° 11' 33.000" N	74° 26' 10.000" E
41	Mora Dakkha	106234311110088	Kalakote	199/ KK	Dhaleri	Khawas	NA	33° 16' 10.000" N	74° 34' 11.000" E
42	Bathara	106244311080095	Kalakote	117/KK	Kalakote	Tatapani	NA	33° 13' 17.000" N	74° 24' 5.000" E
43	Upper Kharak Co. 159/K	106234311110197	Kalakote	198/ KK	Dhaleri	Khawas	NA	33° 16' 48.000" N	74° 35' 49.000" E
44	Jatta Brahamana Co. 173/K	106244311110100	Kalakote	178/ KK	Dhaleri	Dhaleri	NA	33° 15' 49.000" N	74° 31' 44.000" E
45	Aundh Co. 160/K	106234311110103	Kalakote	182/ KK	Dhaleri	Badhal	NA	33° 16' 46.000" N	74° 33' 56.000" E
46	Makol Galla Co. 160/K	106244311080104	Kalakote	171/KK	Dhaleri	Metka	NA	33° 13' 49.000" N	74° 29' 26.000" E
47	Kharak	106224311070105	Kalakote	130/ KK	Kalakote	Kanthole	NA	33° 17' 39.000" N	74° 27' 19.000" E
48	Rathel Gahi Co. 58/D	106234311110107	Kalakote	193/ KK	Dhaleri	Khawas	NA	33° 18' 53.000" N	74° 38' 22.000" E
49	Kurl Co. 161/K	106234311110109	Kalakote	187/ KK	Dhaleri	Gundi	NA	33° 20' 6.000" N	74° 34' 48.000" E
50	Deheri Co. 76/R	106224311060114	Rajouri	076/R	Kotli Kalaban	Sangote	NA	33° 32' 39.530" N	74° 14' 34.050" E
51	Kare Co. 35/R	106224311070115	Rajouri	027/R	Doongi	Doongi-B	NA	33° 19' 15.490" N	74° 14' 6.880" E
52	Potha	105184311060050	Rajouri	076/R	Kotli Kalaban	Sangote	NA	33° 33' 2.400" N	74° 14' 53.400" E
53	BG Nakker-II	105184311020073	Rajouri	075/R	Kotli Kalaban	Rajdhani	NA	33° 32' 19.100" N	74° 12' 29.700" E
54	Balakote	105184311020077	Rajouri	075/R	Kotli Kalaban	Rajdhani	NA	33° 32' 19.100" N	74° 12' 29.700" E



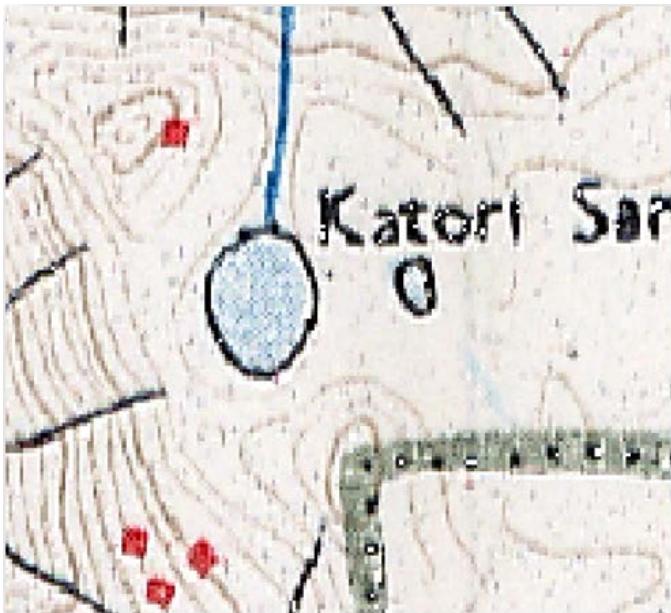
Budhal Sar Bod & Lokut



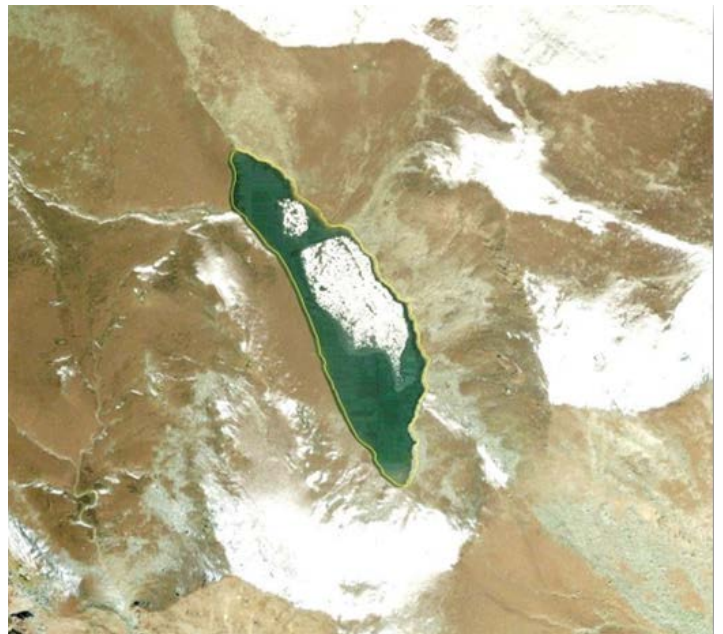
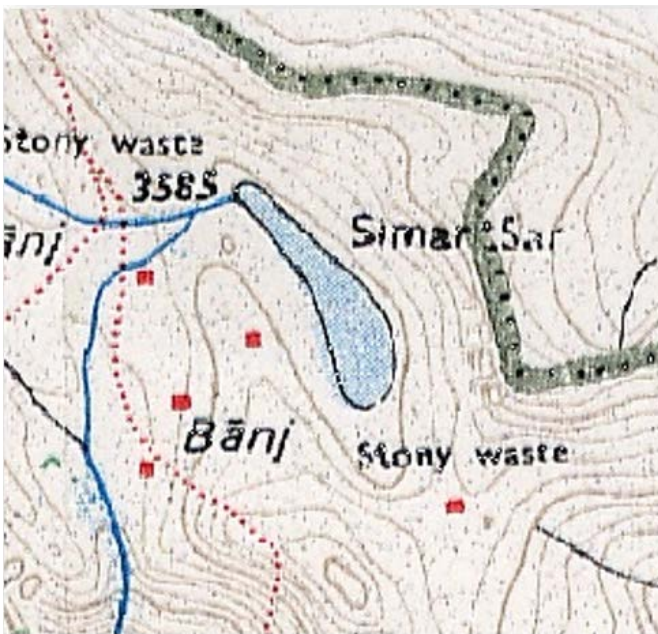
Panch Gabbar Sar



Bela Sar



Katori Sar 1, 2



Simar Sar

74°16'0"E

74°24'0"E

74°32'0"E

74°40'0"E

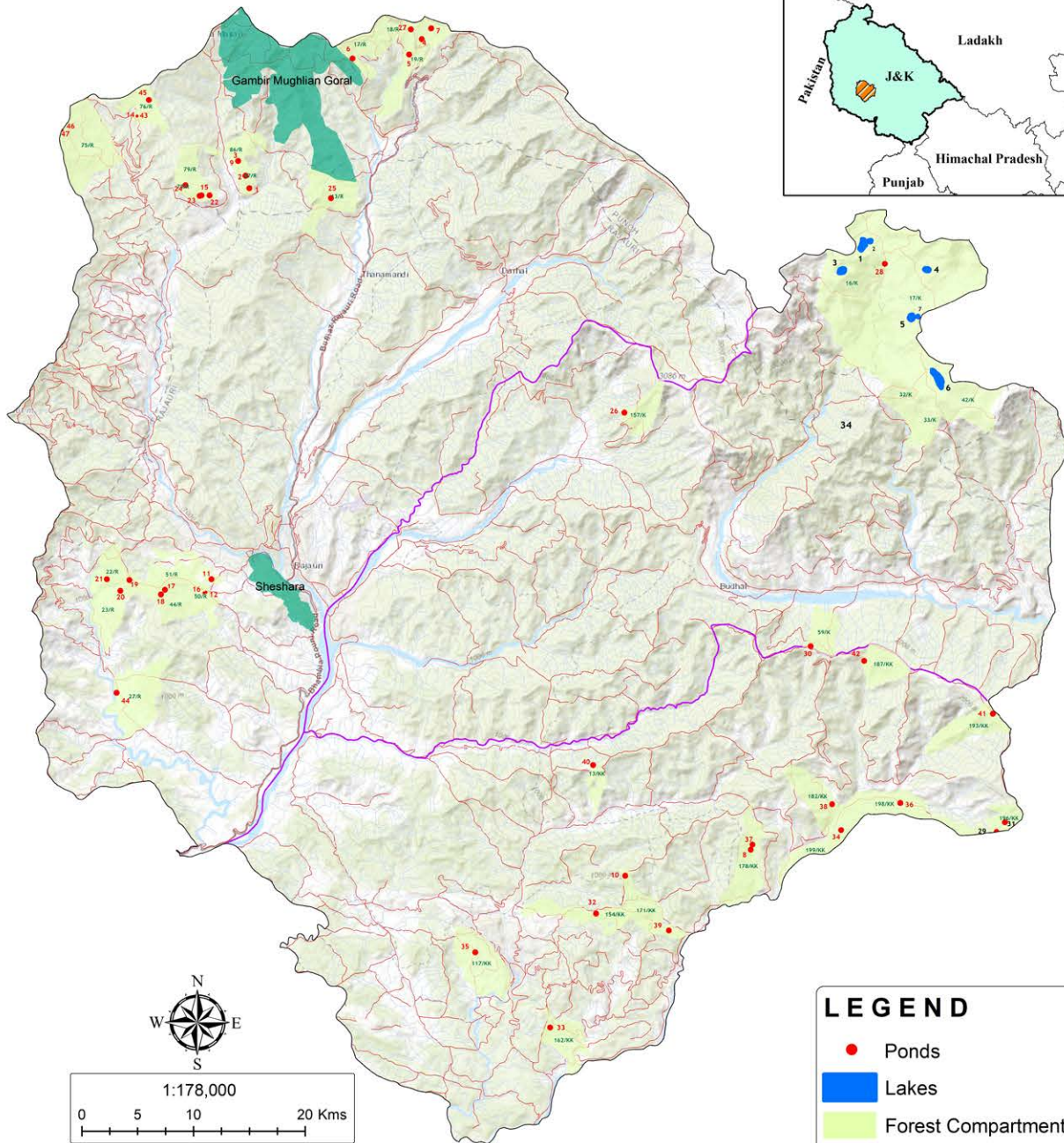
33°36'0"N

33°28'0"N

33°20'0"N

33°12'0"N

33°4'0"N



LEGEND

- Ponds
- Lakes
- Forest Compartments
- Wildlife Areas
- Forest Range Boundary
- Forest Division Boundary
- Drainage
- Road

Lakes	Ponds				
1 Budhal Sar Bod	1 Lower Gambir	11 Dassal Gugrain Co. 49/R	21 Dhara Sambla Co. 22/R	31 Nabni -2nd Hatlie -B Co 73/D	41 Rathel Gahi Co. 58/D
2 Budhal Sar Lokut	2 Galhutti Morhlan Katara	12 Dassal Gali Co. 49/R	22 Kotli Co. 79/R	32 Pathi Co. 39/D	42 Kurl Co. 161/K
3 Panch Gabbar Sar	3 Gambir Nakkar	13 Ghambir Nakkar Co. 87/R	23 Kotli Co. 79/R	33 Morha Talla	43 Deheri Co. 76/R
4 Bela Sar	4 Dhare Galli Co. 109/R	14 Deherie Co. 76/R	24 Kotli Co. 79/R	34 Mora Dakkha	44 Kare Co. 35/R
5 Katori Sar 1	5 Dhare Galli Co. 108/R	15 Kottli Co. 79/R	25 Rajdhani Co. 104/R	35 Bathara	45 Potha
6 Simar Sar	6 Dhare Galli Co. 107/R	16 Dassal Gali 2nd Co. 49/R	26 Fathapura Co. 101/R	36 Upper Kharak Co. 159/K	46 BG Nakker-II
7 Katori Sar 2	7 Panggi Co. 107/R	17 Pollian Co 49/R	27 Shahdara Co 107/R	37 Jatta Brahamana Co. 173/K	47 Balakote
	8 Mora Chinarjal	18 Pollian Co 50/R	28 Patrara	38 Aundh Co. 160/K	
	9 Nilwah	19 Pollian Gali Co 51/R	29 Kerma Co. 39/D	39 Makol Galla Co. 160/K	
	10 Jatta Brahmna	20 Mora Sawani Co. 22/R	30 Chansar Galla Co. 39/D	40 Kharak	



WETLANDS (LAKES & PONDS) WITHIN RAJOURI FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
 Department of Ecology, Environment & Remote Sensing
 J & K Government.
 SDA Colony Bemina Srinagar Kashmir - 190018
 Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006

Funded By
 J&K Forest Department
 Forest Complex, Sheikh Bagh,
 Near Lal Chowk, Srinagar, J&K - 190001
 Van Bhawan, Near Gumat, Jammu, J&K - 180001

SAMBA FOREST DIVISION

1. Quick Info

Latitude:	32°25'17.789"N to 32°45'48.732"N
Longitude	74°42'7.103"E to 75°20'18.818"E
Altitude:	206 to 912 m
Area:	1072.8 sq.kms
Source	Working Plan of Samba Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Mohargarh	98.1
Purmandal	549.2
Samba	425.5
Total Area	1072.8

3. Climate:

The division experiences sub-humid to sub-tropical type of climate. The summer season starts from April and lasts till June is followed by southwest Monsoon that has maximum rainfall of the year spread over the months of July, August and September. June is the hottest month of the year with mean daily temperature ranging between 24.9°C and 41.7°C. January is the coldest month and temperature comes as low as 4.0°C. Most of the rainfall is received through the southwest monsoon which lasts from the last week of June to end of September.

4. Major Plant Species:

Type	Major Species
Trees	<i>Acacia nilotica</i> , <i>Acacia modesta</i> , <i>Albizza lebbeck</i> , <i>Butea monosperma</i> , <i>Cassia fistula</i> , <i>Dalbergia sissoo</i> , <i>Acacia catechu</i> , <i>Acacia nilotica</i> , <i>Albizza lebbeck</i> , <i>Butea monosperma</i> .
Shrubs	<i>Xanthium strumarium</i> , <i>Ipomaea fistula</i> , <i>Adhatoda vasica</i> , <i>Zizyphus spp</i> , <i>Flacourtia spinarum</i> , <i>Carissa spp</i> .

5. Drainage and Hydro Morphology

The area is drained mainly by Basantar river. A part from this river innumerable seasonal nalas traverse the area which are generally boulder laden and have broad shallow channels having water only for short time after rains.

6. Waterbodies:

A total of 57 waterbodies have been mapped in Samba Forest Division, which include 48 Lakes / waterbodies and 9 Ponds.

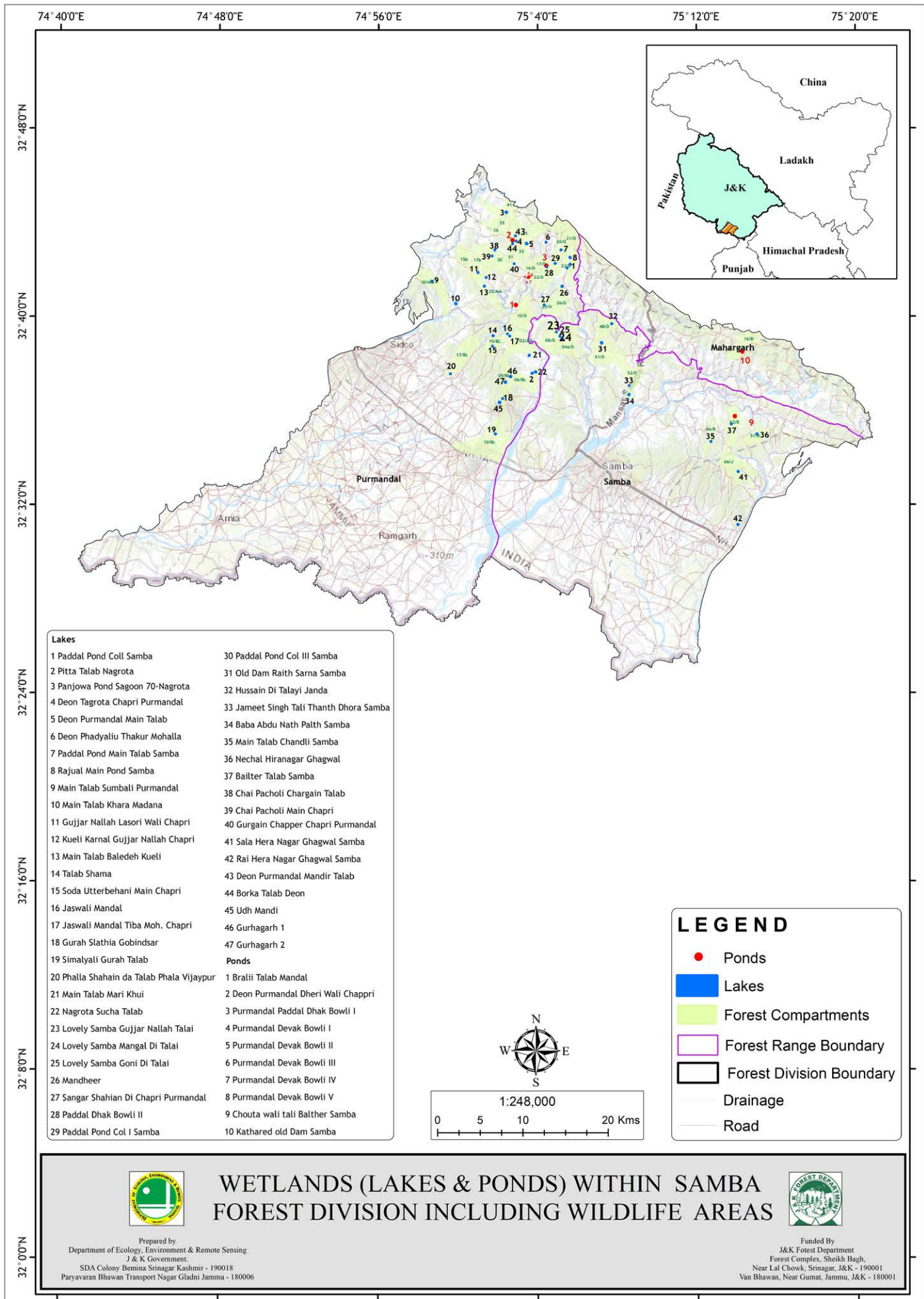
RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Purmandal	0	3.91	43
Samba	0	0.87	13
Mohargarh	0	0	1
Total	0	4.78	57

Table: Waterbodies/Ponds of Samba Forest Division.

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Paddal Pond Coll Samba	122824316020094	Purmandal	23/D	Purmandal	Paddal	0.07	32° 42' 13.732" N	75° 5' 38.360" E
2	Pitta Talab Nagrota	122824316020036	Purmandal	06/BL	Balole	Dassal	0.11	32° 37' 36.104" N	75° 3' 43.277" E
3	Panjowa Pond Sagoon 70-Nagrota	121794316020040	Purmandal	35	Pacholi	Pacholi	0.26	32° 44' 26.671" N	75° 2' 25.449" E
4	Deon Tagrota Chapri Purmandal	122824316020062	Purmandal	33	Pacholi	Pacholi	0.04	32° 43' 13.006" N	75° 2' 55.210" E

5	Deon Purmandal Main Talab	122824316020065	Purmandal	32	Pacholi	Pacholi	0.38	32° 43' 6.618" N	75° 3' 26.761" E
6	Deon Phadyaliu Thakur Mohalla	122824316020052	Purmandal	19/D	Purmandal	Mandal	0.03	32° 43' 9.922" N	75° 4' 25.656" E
7	Paddal Pond Main Talab Samba	122824316020114	Purmandal	20/D	Purmandal	Mandal	0.06	32° 42' 50.536" N	75° 5' 10.498" E
8	Rajual Main Pond Samba	122824316020107	Purmandal	21/D	Purmandal	Gurah	0.14	32° 42' 31.010" N	75° 5' 37.896" E
9	Main Talab Sumbali Purmandal	122824312140020	Purmandal	30/Aik	Balole	Badori	0.22	32° 41' 30.335" N	74° 58' 41.096" E
10	Main Talab Khara Madana	122824312140033	Purmandal	27/Aik	Balole	Suchaini	0.29	32° 40' 33.734" N	74° 59' 53.429" E
11	Gujjar Nallah Lasori Wali Chapri	122824316020023	Purmandal	15b	Pacholi	Sandi	0.02	32° 41' 53.050" N	75° 1' 0.115" E
12	Kueli Karnal Gujjar Nallah Chapri	122824316020059	Purmandal	15b	Pacholi	Sandi	0.01	32° 41' 40.464" N	75° 1' 24.442" E
13	Main Talab Baledeh Kueli	122824316020716	Purmandal	25/Aik	Balole	Suchaini	0.04	32° 41' 18.139" N	75° 1' 19.087" E
14	Talab Shama	122824316020034	Purmandal	15/BL	Balole	Sumbli	0.12	32° 39' 11.718" N	75° 1' 45.750" E
15	Soda Utterbehani Main Chapri	122824316020068	Purmandal	15/BL	Balole	Sumbli	0.03	32° 38' 45.239" N	75° 1' 43.703" E
16	Jaswali Mandal	122824316020077	Purmandal	15/BL	Balole	Sumbli	0.01	32° 39' 16.342" N	75° 2' 29.180" E
17	Jaswali Mandal Tiba Moh. Chapri	122824316020060	Purmandal	15/BL	Balole	Sumbli	0.01	32° 39' 10.860" N	75° 2' 35.666" E
18	Gurah Slathia Gobindsar	122824316020074	Purmandal	10/BL	Balole	Chirk-I	0.07	32° 36' 31.802" N	75° 2' 14.121" E
19	Simalyali Gurah Talab	122824316020071	Purmandal	10/BL	Balole	Chirk-I	0.07	32° 35' 1.330" N	75° 1' 52.522" E
20	Phalla Shahain da Talab Phala Vijaypur	122824312140056	Purmandal	17/BL	Balole	Sumbli	0.02	32° 37' 34.702" N	74° 59' 36.902" E
21	Main Talab Mari Khui	122824316020044	Purmandal	02/Aik	Purmandal	Gura	0.11	32° 38' 21.727" N	75° 3' 34.404" E
22	Nagrota Sucha Talab	122824316020045	Purmandal	06/BL	Balole	Dassal	0.22	32° 37' 39.465" N	75° 3' 53.629" E
23	Lovely Samba Gujjar Nallah Talai	122824316020108	Samba	06/D	Basantar	Lovely	0.03	32° 39' 21.414" N	75° 4' 56.380" E
24	Lovely Samba Mangal Di Talai	122824316020110	Samba	04a/D	Basantar	Khirdi	0.03	32° 39' 2.067" N	75° 5' 16.198" E
25	Lovely Samba Goni Di Talai	122824316020717	Samba	06/D	Basantar	Lovely	0.09	32° 39' 10.109" N	75° 5' 7.375" E
26	Mandheer	122824316020030	Purmandal	26/D	Purmandal	Deon	0.13	32° 41' 17.660" N	75° 5' 14.055" E
27	Sangar Shahian Di Chapri Purmandal	122824316020025	Purmandal	25/D	Purmandal	Deon	0.05	32° 40' 30.102" N	75° 4' 19.582" E
28	Paddal Dhak Bowli II	122824316020087	Purmandal	17/D	Purmandal	Sanger	0	32° 42' 6.667" N	75° 4' 28.021" E
29	Paddal Pond Col I Samba	122824316020093	Purmandal	22/D	Purmandal	Paddal	0.06	32° 42' 16.220" N	75° 4' 52.921" E
30	Paddal Pond Col III Samba	122824316020095	Purmandal	21/D	Purmandal	Gurah	0.03	32° 42' 4.025" N	75° 5' 28.602" E

31	Old Dam Raith Sarna Samba	122824316020103	Samba	51/D	Nud	Kali	0.19	32° 38' 53.493" N	75° 7' 12.866" E
32	Hussain Di Talayi Janda	122824316020070	Samba	48/D	Nud	Kali	0.13	32° 39' 42.074" N	75° 7' 43.804" E
33	Jameet Singh Tali Thanth Dhora Samba	122824316020089	Samba	52/D	Nud	Kali	0.01	32° 37' 4.706" N	75° 8' 35.928" E
34	Baba Abdu Nath Palth Samba	122824316020091	Samba	52/D	Nud	Kali	0.1	32° 36' 41.382" N	75° 8' 35.135" E
35	Main Talab Chandli Samba	122824316020119	Samba	66/B	Goran	Zarzarly	0.05	32° 34' 41.560" N	75° 12' 42.055" E
36	Nechal Hiranagar Ghagwal	122824316020097	Samba	51/B	Goran	Zarzarly	0.04	32° 35' 0.499" N	75° 15' 0.263" E
37	Bailter Talab Samba	122824316020120	Samba	62/B	Goran	Zarzarly	0.02	32° 35' 25.769" N	75° 13' 43.626" E
38	Chai Pacholi Chargin Talab	122824316020057	Purmandal	30	Pacholi	Pacholi	0.06	32° 42' 50.869" N	75° 1' 51.126" E
39	Chai Pacholi Main Chapri	122824316020076	Purmandal	17b	Pacholi	Sandi	0.03	32° 42' 35.014" N	75° 1' 42.973" E
40	Gurgain Chapper Chapri Purmandal	122824316020024	Purmandal	32	Pacholi	Pacholi	0.02	32° 42' 15.218" N	75° 2' 48.979" E
41	Sala Hera Nagar Ghagwal Samba	122824316020096	Samba	66/J	Gaghwal	Kotla	0.08	32° 33' 24.701" N	75° 14' 3.759" E
42	Rai Hera Nagar Ghagwal Samba	122824316020718	Samba	RFPF	-	-	0.1	32° 31' 9.706" N	75° 14' 2.749" E
43	Deon Purmandal Mandir Talab	122824316020069	Purmandal	33	Pacholi	Pacholi	0.06	32° 43' 26.298" N	75° 2' 52.947" E
44	Borka Talab Deon	122824316020063	Purmandal	31	Pacholi	Pacholi	0.07	32° 43' 6.241" N	75° 2' 44.380" E
45	Udh Mandi	122824316020719	Purmandal	10/BL	Balole	Chirk-I	0.47	32° 36' 21.487" N	75° 2' 5.064" E
46	Gurhagarh 1	122824316020720	Purmandal	06/BL	Balole	Dassal	0.29	32° 37' 27.630" N	75° 2' 38.220" E
47	Gurhagarh 2	122824316020721	Purmandal	09/BL	Balole	Chirk-I	0.29	32° 37' 13.485" N	75° 2' 22.661" E
48	Bralii Talab Mandal	122824316020062	Purmandal	10/D	Purmandal	Chirk	NA	32° 40' 29.960" N	75° 2' 54.580" E
49	Deon Purmandal Dheri Wali Chappri	122824316020072	Purmandal	36	Pacholi	Panjoa	NA	32° 43' 14.930" N	75° 2' 44.500" E
50	Purmandal Paddal Dhak Bowli I	122824316020081	Purmandal	17/D	Purmandal	Sanger	NA	32° 42' 10.340" N	75° 4' 26.610" E
51	Purmandal Devak Bowli I	122824316020082	Purmandal	22/D	Purmandal	Paddal	NA	32° 41' 38.970" N	75° 3' 29.020" E
52	Purmandal Devak Bowli II	122824316020083	Purmandal	22/D	Purmandal	Paddal	NA	32° 41' 39.430" N	75° 3' 30.760" E
53	Purmandal Devak Bowli III	122824316020084	Purmandal	16/D	Purmandal	Sanger	NA	32° 41' 42.480" N	75° 3' 36.510" E
54	Purmandal Devak Bowli IV	122824316020085	Purmandal	22/D	Purmandal	Paddal	NA	32° 41' 40.390" N	75° 3' 33.110" E
55	Purmandal Devak Bowli V	122824316020086	Purmandal	22/D	Purmandal	Paddal	NA	32° 41' 39.430" N	75° 3' 30.500" E
56	Chouta wali tali Balther Samba	122824316020093	Samba	62/B	Goran	Zarzarly	NA	32° 35' 45.800" N	75° 13' 54.000" E
57	Kathared old Dam Samba	122824316020102	Mohargarh	16/B	Soram	Liani	NA	32° 38' 30.423" N	75° 14' 17.332" E



KISHTIWAR FOREST DIVISION

1. Quick Info

Latitude:	33°1'8.273"N to 33°26'17.028"N
Longitude	75°48'15.075"E to 33°13'17.043"N
Altitude:	894 to 6462m
Area:	3521.72 Sqkms
Source	Working Plan of Kishtiwari Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Kishtiwari	719.50
Nagseni	406.29
Paddar	443.85
Total Area	3521.72

3. Climate:

The high altitude upper catchment of Chandrabhaga is characterized by severe and long drawn winter and short summer. The climate becomes temperate and milder in the rest of the tract. Towards the south western end of the Division the Chenab and its side valleys become dry and hot in summer and this part is known as "Kandi." The summers here are usually trying and oppressive. During the winters, the whole region, excepting the Kandi, is blanketed with snow. Monsoon is often weak and reaches late. The interior parts of Paddar remain dry whereas good rain fall is received in Bunjwah illaqa of Kishtiwari.

4. Major Plant Species:

Type	Major Species
Conifer	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana, Pinus gerardiana</i>
Broad-Leaved Trees	<i>Quercus ilex, Quercus incana, Q. dilitata, Q. semicarpifolia, Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana</i>
Alpines	<i>Taxus baccata, Junipers communis</i>

5. Drainage and Hydro Morphology

The Chenab and its tributaries the Chandrabhaga and Bhot nalla form the main drainage systems of Paddar and Nagseni range. Both these main tributaries confluence at Atholi some 60 kms by road, east of Kishtiwari. The Chenab and Kalnai nalla drain the Kishtiwari Range upto Thathri. Kalnai flows along the southern border of the Kishtiwari Range and is the main stream, whereas Kuligad nalla and Galigad nalla also drain out from the Kishtiwari Range. In Paddar, Bhot Machail nalla and Sansari nalla are the important streams and Lidrarri and Naigadh in Nagseni Range.

6. Waterbodies:

Only three waterbodies have been mapped in Kishtiwari range of Kishtiwari Forest division

RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Kishtiwari	3	5.34	0
Nagseni	0	0	0
Paddar	0	0	0
Total	3	5.34	0

Table : Waterbodies/Ponds of Kishtiwari Forest Division

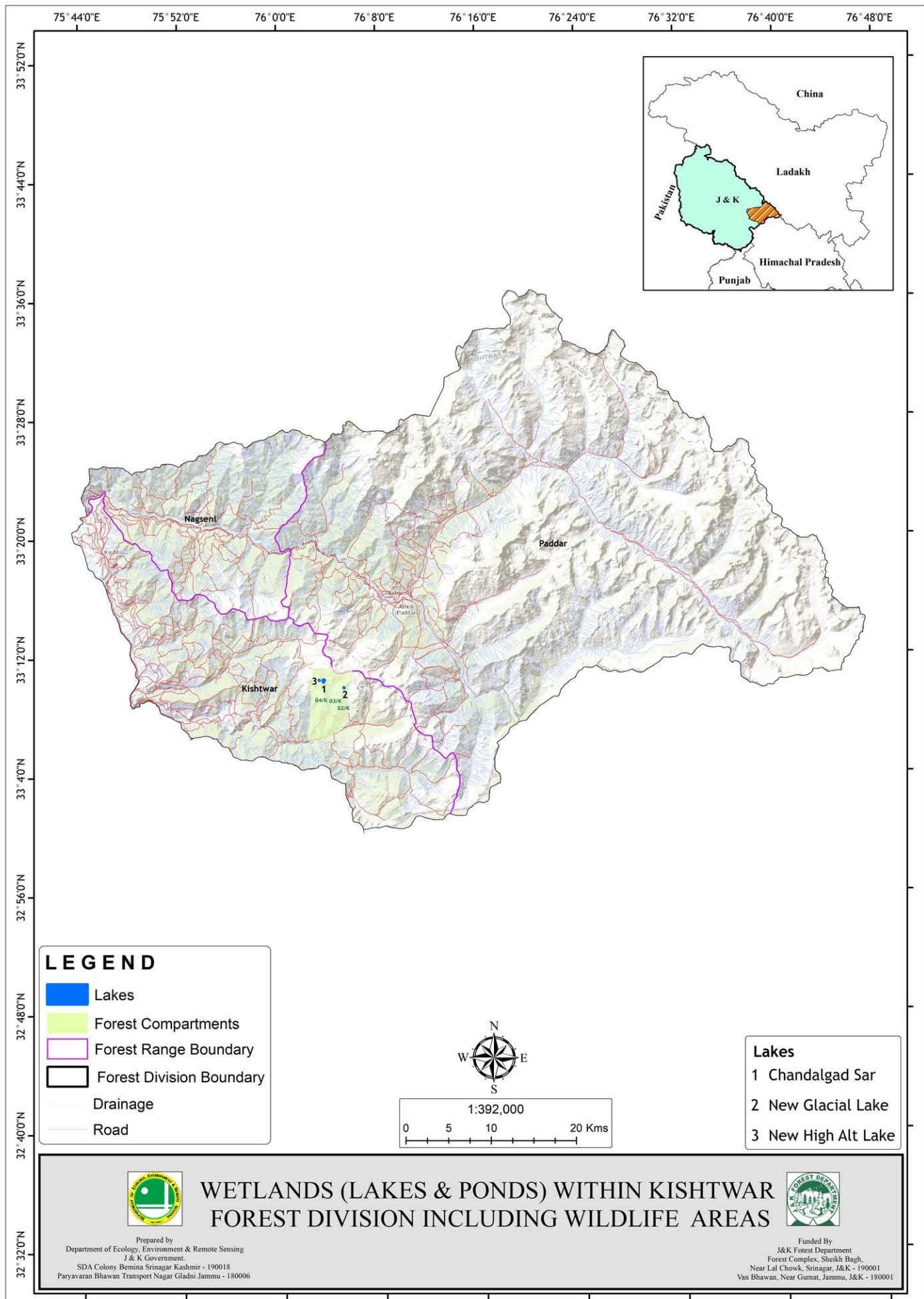
S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Chandalgad Sar	118685203040039	Kishtiwari	004/K	Bunjwah	Kither-I	4.470034	33° 10' 27.031" N	76° 3' 23.459" E
2	Unnamed	118685203040040	Kishtiwari	002/K	Bunjwah	Kither-I	0.451391	33° 9' 58.802" N	76° 5' 0.113" E
3	Unnamed	118685203040112	Kishtiwari	004/K	Bunjwah	Kither-I	0.426923	33° 10' 29.690" N	76° 3' 2.159" E



Chandalgad Sar, High Alt Lake



New Glacial Lake



DODA FOREST DIVISION

1. Quick Info

Latitude:	33°7'54.181"N To 33°24'16.198"N
Longitude	75°22'6.183"E to 75°48'19.584"E
Altitude:	693 to 4147m
Area:	964.89sq.kms
Source	Working Plan of Doda Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Siraj	435.08
Thakrai	286.58
Kuntwara	243.23
Total Area	964.89

3. Climate:

Due to its varying physical features, Doda forest division does not have a uniform climate. The climate varies from temperate to subtropical. It experiences all the four seasons with harsh winters and pleasant summers. The tract comprises of mostly hilly terrain and remains snow bound during the winter (December-March). Monsoons (July to September) are accompanied with scanty rainfalls, the days are humid and the nights are chilly. Due to low average annual precipitation, the whole area has been declared as Drought prone.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Abies Pindrow, Cedrus deodara, Pinus Roxburghii</i>
Broad leaved	<i>Quercus ilex, Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana</i>
Shrubs	<i>Machilus duthei, Machilus duthei, Rhododendron arboreum, Pieris ovalifolia, Pyruspashia, Viburnum spp., Desmodium tiliaefolium, Sarococa saligna, Indigoferra pulchella, Hedra nepalensis, Rosa spp, Smilax aspera, Adhatoda Vasica, Indigoferra spp.</i>

5. Drainage and Hydro Morphology

Mostly dry springs and "Baulies" are frequently seen.

6. Waterbodies:

No waterbodies were observed within the forest area of the Division.

RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Siraj	0	0	0
Thakrai	0	0	0
Kuntwara	0	0	0
Total	0	0	0

BASOLI FOREST DIVISION

1. Quick Info

Latitude:	32°27'41.917"N To 32°53'10.75"N
Longitude	75°37'22.539"E to 75°54'41.053"E
Altitude:	413 to 4243m
Area:	784.7 sq.kms
Source	Working Plan of Basoli Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Basoli,	258.47
Bani	335.78
Mahanpur	190.49
Total Area	784.7

3. Climate:

The climate of the division is mostly hot during Summers and winter temperatures in upper reaches touches sub zero. Most of the higher reaches experiences snowfall during winters.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana</i>
Alpines	<i>Rhododendron arboreum, Betula utilis, Junipers communis</i>
Broad-leaved trees	<i>Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana</i>

5. Waterbodies:

Only three waterbodies have been mapped in Kishtiwari range of Kishtiwari Forest division

RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Basoli	0	0	1
Bani	4	1.10	4
Mahanpur	4	0.11	8
Total	8	1.21	13

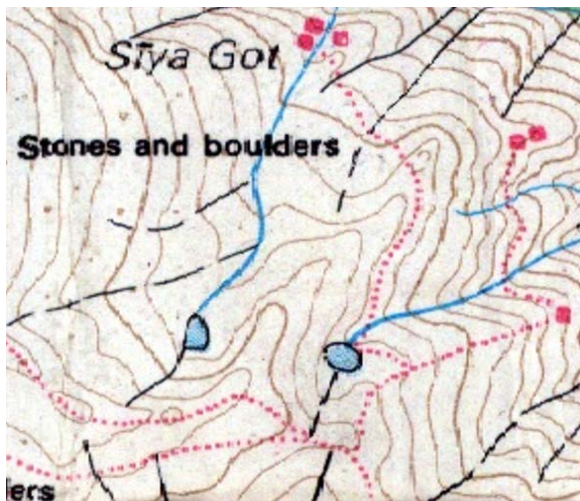
Table : Waterbodies/Ponds of Basoli Forest division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Siyagot Sar 2	107294316090002	Bani	049/ Bni	Sarthal	Chhater	0.38	32° 51' 48.192" N	75° 42' 20.562" E
2	Siyagot Sar1	107294316090001	Bani	049/ Bni	Sarthal	Chhater	0.08	32° 51' 50.148" N	75° 42' 3.604" E
3	Sawan Kund Sar	107294316090003	Bani	057/ Bni	Lowang	Akhoru	0.62	32° 48' 52.637" N	75° 42' 56.029" E
4	Katni Talab	107294316130041	Bani	032/ Bni	Roulka	Roulka	0.03	32° 50' 14.563" N	75° 50' 38.134" E
5	Jandhar Co: 29/B	107284316100116	Mahanpur	035a/ Blr	Dhar Dugnoo	Dhar Dugnoo	0.09	32° 37' 50.995" N	75° 42' 52.964" E
6	Jajali Co: 25	107284316100133	Mahanpur	034/ Blr	Dhar Dugnoo	Dhar Dugnoo	0.01	32° 37' 26.506" N	75° 42' 29.260" E
7	Upper Dhar Dugnoo W. No 6	107284316100124	Mahanpur	033/ Blr	Dhar Dugnoo	Huttar	0	32° 36' 56.343" N	75° 42' 1.855" E
8	Gutra Noun Lower Dhar Dugnoo	107274316100125	Mahanpur	030/ Blr	Dhar Dugnoo	Bagali	0.01	32° 37' 21.192" N	75° 40' 43.132" E
9	Kathared Bharmana Samba	122824316140104	Bani	002/ Bni	Bani	Sandhi	NA	32° 41' 30.100" N	75° 52' 29.000" E
10	Rajual Upper Samba	122824316140105	Bani	009/ Bni	Bani	Khadry	NA	32° 44' 35.363" N	75° 54' 7.504" E

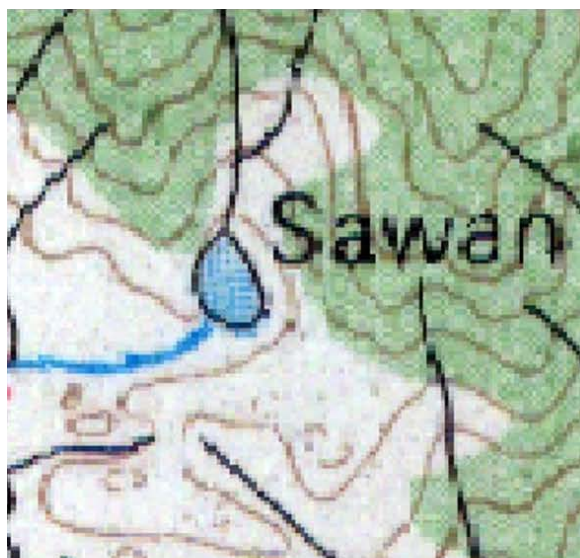
11	Rajual Tarkeen Samba	122824316140106	Bani	010/ Bni	Khaddar	Sandroon	NA	32° 43' 51.732" N	75° 52' 39.496" E
12	Sindli Tallai	107294316140025	Bani	005/ Bni	Bani	Fatehpur	NA	32° 40' 20.050" N	75° 50' 2.930" E
13	Bara Co. 52	107284316110110	Mahanpur	052/ Blr	Mahanpur	Ambughat	NA	32° 29' 48.630" N	75° 40' 9.190" E
14	Khandrey Pond	107274316100115	Mahanpur	033/ Blr	Dhar Dugnoo	Huttar	NA	32° 38' 9.210" N	75° 41' 58.550" E
15	Sidha da Drabad (Co. 30/B)	107284316100117	Mahanpur	035a/ Blr	Dhar Dugnoo	Dhar Dugnoo	NA	32° 37' 35.550" N	75° 43' 11.910" E
16	Dheota (Co 25)	107274316100119	Mahanpur	028/ Blr	Dhar Dugnoo	Dheota	NA	32° 38' 30.830" N	75° 42' 42.120" E
17	Upper Dhar Dugnoo W.No, 2	107284316100126	Mahanpur	033/ Blr	Dhar Dugnoo	Huttar	NA	32° 37' 9.420" N	75° 42' 18.820" E
18	Upper Dhar Dugnoo W.No, 3	107284316100127	Mahanpur	033/ Blr	Dhar Dugnoo	Huttar	NA	32° 37' 9.230" N	75° 42' 17.970" E
19	Upper Dhar Dugnoo W.No.3	107284316100145	Mahanpur	034/ Blr	Dhar Dugnoo	Dhar Dugnoo	NA	32° 37' 10.810" N	75° 42' 31.410" E
20	Dhral Bhedblore	107284316140151	Basholi	025/ Bsl	Basholi	Jated	NA	32° 32' 35.220" N	75° 48' 13.270" E
21	Dhanore	107284316140222	Mahanpur	034/ Blr	Dhar Dugnoo	Dhar Dugnoo	NA	32° 36' 38.000" N	75° 42' 42.010" E

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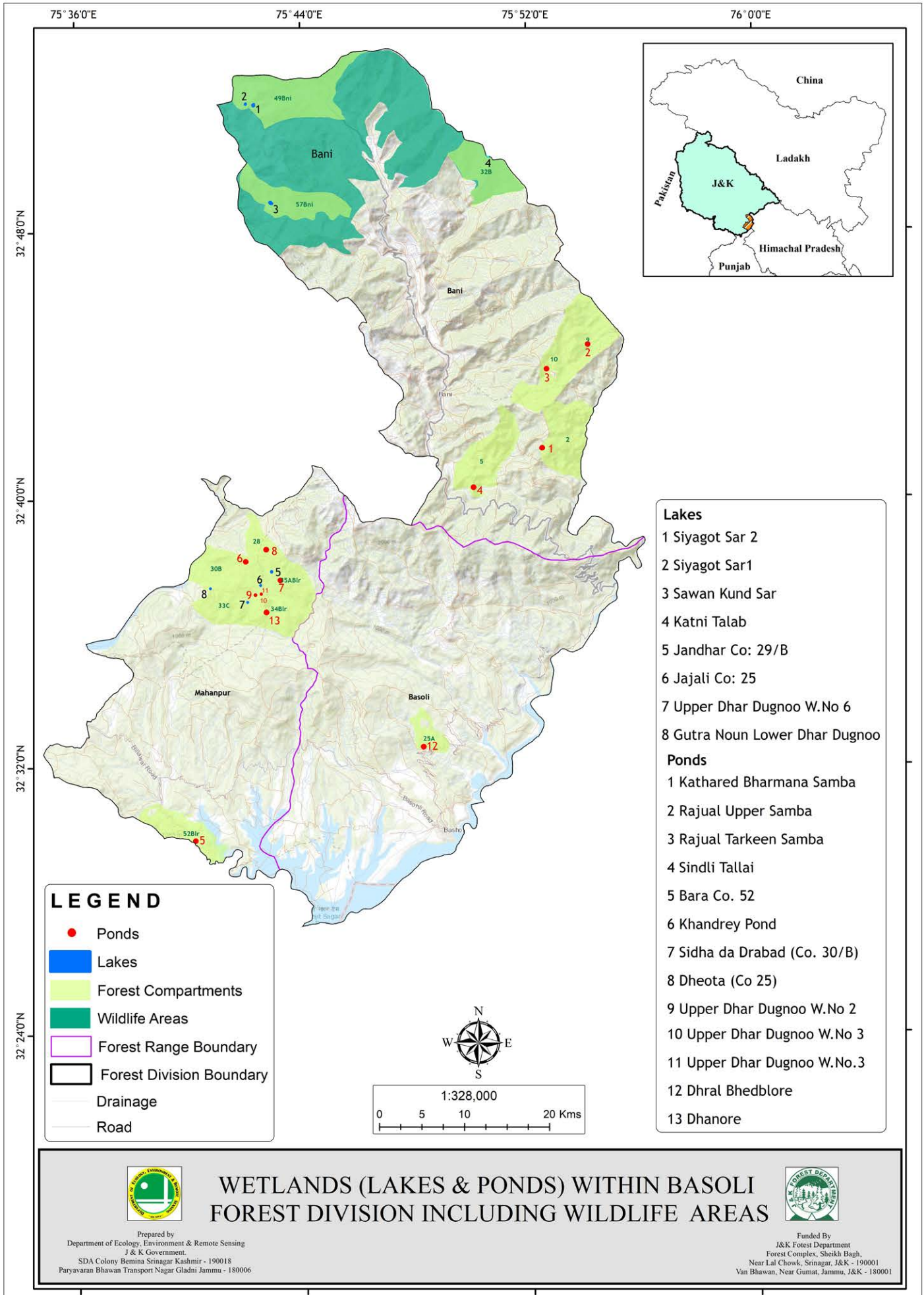
Satellite Images 2020 (Google Earth)



Siyagot Sar 12



Sawan Kund Sar



MAHORE FOREST DIVISION

1. Quick Info

Latitude:	33°9'21.809"N to 33°31'6.502"N
Longitude	74°38'52.093" to 75°8'56.718"E
Altitude:	440 to 4540m
Area:	1298.7sq.kms
Source	Working plan Of Mahore Forest division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Mahore,	421.9
Gool	269.9
Gulabgarh	606.9
Total Area	1298.7

3. Climate:

The Climate at lower altitudes at Mahore and their adjoining areas is very hot during summer which moderates towards the higher elevation. Temperate zone experiences good snowfall in upper reaches.

4. Major Plant Species:

Type	Major Species
Conifers	<i>Abies pindrow, Picea smithiana, Pinus roxburghi, Pinus wallichiana,</i>
Broad leaved	<i>Quercus ilex, Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana, Emblica officinalis, Syzygium cuminii, Cassia fistula.</i>
Shrubs	<i>Machilus duthei, Machilus duthei, Rhododendron arboreum, Pieris ovalifolia, Pyruspashia, Viburnum spp., Desmodium tiliaefolium, Sarococa saligna, Indigoferra pulchella, Hedra nepalensis, Rosa spp, Smilax aspera, Adhatoda Vasica, Indigoferra spp, Carissa spinarum, Dodonaea viscosa, Adhatoda vasica.</i>

5. Drainage and Hydro Morphology

The Division lies in the catchment of river Chenab and is drained by Anus, Sidhol, Khour Chin basin and Darasa nallahs.

6. Waterbodies:

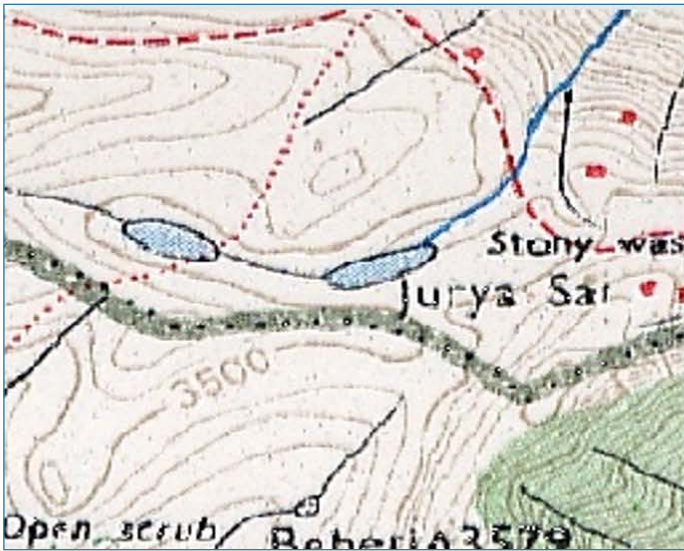
A total of 24 waterbodies have been mapped in this division which includes 10 Lakes/Waterbodies and 14 ponds.

RANGE	Lakes/Waterbodies	Area (Ha)	Ponds
Mahore	1	0.004	7
Gool	0	0	1
Gulabgarh.	9	13.51	6
Total	10	13.514	14

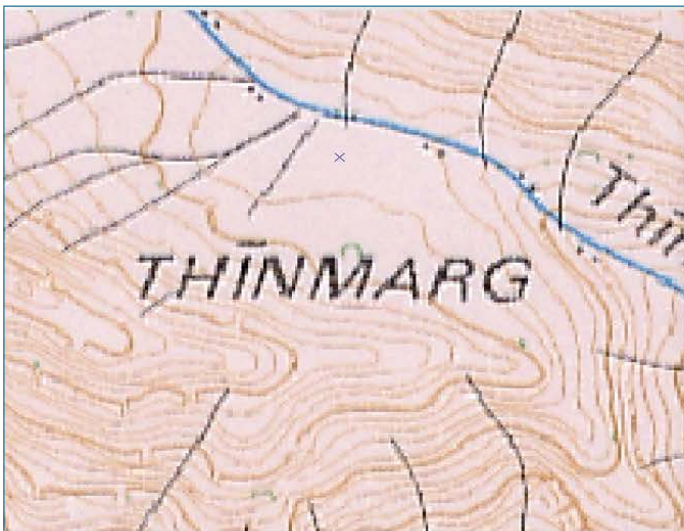
Table : Waterbodies/Ponds of Kishtiwari Forest Division

SNo	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Sawalkote	120764315040042	Mahore	075/Ar	Kanthan	Sawalkote	0	33° 10' 43.524" N	75° 3' 24.837" E
2	Jurya Sar Lokut	120764311110002	GulabGarh	065/ gg	Shergarhi	Sarsote	0.71	33° 26' 31.729" N	74° 38' 11.749" E
3	Jurya Sar Bod	120764311110003	GulabGarh	065/ gg	Shergarhi	Sarsote	2.51	33° 26' 31.523" N	74° 38' 33.814" E
4	Thinmarg Sar	120764311150004	GulabGarh	041/gg	Dewal	GulabGarh	1.03	33° 27' 7.216" N	74° 52' 21.327" E
5	Bandi Khoo	120764311150012	GulabGarh	045/ gg	Dewal	Dewal	0.01	33° 25' 52.395" N	74° 51' 59.810" E

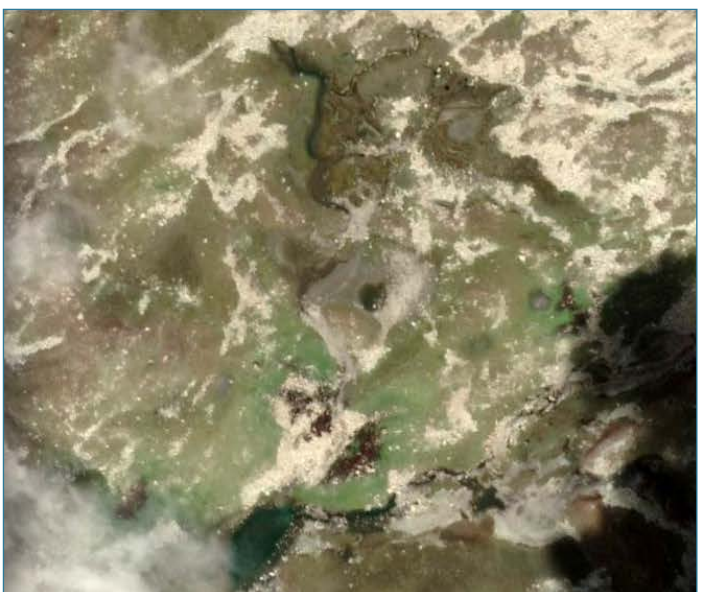
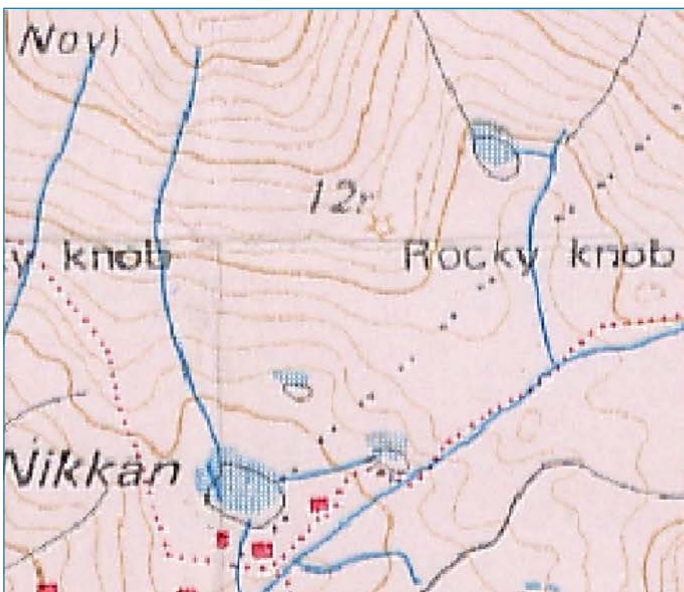
6	Nikkan Sar 1	120764311150286	GulabGarh	039/ gg	Dewal	GulabGarh	2.83	33° 28' 46.503" N	74° 55' 30.230" E
7	Nikkan Sar 4	120764311150289	GulabGarh	039/ gg	Dewal	GulabGarh	1.4	33° 29' 15.732" N	74° 55' 53.479" E
8	Nikkan Sar 3	120764311150288	GulabGarh	039/ gg	Dewal	GulabGarh	0.34	33° 28' 55.011" N	74° 55' 35.169" E
9	Nikkan Sar 2	120764311150287	GulabGarh	039/ gg	Dewal	GulabGarh	0.45	33° 28' 49.051" N	74° 55' 43.754" E
10	Gaga Sar	120764311110290	GulabGarh	065/ gg	Shergarhi	Sarsote	4.24	33° 27' 26.824" N	74° 37' 34.907" E
11	Kund	120764311150006	GulabGarh	024/ gg	Khour	Shadole	NA	33° 23' 37.000" N	74° 59' 37.000" E
12	Vassan Jabbri	120764311150014	GulabGarh	013/gg	Mahore	Angralla	NA	33° 21' 28.000" N	74° 54' 34.000" E
13	Hari Wala	120764311150015	GulabGarh	024/ gg	Khour	Shadole	NA	33° 23' 29.000" N	75° 0' 4.000" E
14	Tandar	120764311160010	Mahore	103/gg	Banna	Thillo	NA	33° 14' 37.000" N	74° 48' 13.000" E
15	Daman	120764311150016	Mahore	131/Ar	Budhan	Sildhar	NA	33° 19' 58.000" N	74° 56' 47.000" E
16	Kanthi	120764311150017	GulabGarh	018/gg	Khour	Shadole	NA	33° 21' 51.000" N	74° 57' 2.000" E
17	Thuroo Dolchi Goolarnas	120764311150018	GulabGarh	018/gg	Khour	Shadole	NA	33° 22' 54.000" N	74° 56' 27.000" E
18	Sawalkote	120764315040042	Mahore	075/Ar	Kanthan	Sawalkote	NA	33° 10' 30.211" N	75° 2' 9.391" E
19	Sawalkote	120764315040043	Mahore	075/Ar	Kanthan	Sawalkote	NA	33° 10' 0.150" N	75° 3' 10.254" E
20	Seri-Pura Sangaldan	117674315040006	Gool	041b/ Ar	Sangaldan	Dalwa-II	NA	33° 13' 46.150" N	75° 5' 16.570" E
21	Bansa Chhappar Co. 174/K	106234311110199	Mahore	076/ gg	Banna	Tulli	NA	33° 18' 5.272" N	74° 39' 29.343" E
22	Saloon	120764311110127	GulabGarh	063/ gg	Shergarhi	Sarsote	NA	33° 29' 7.552" N	74° 43' 22.091" E
23	Shajroo	120764311150179	Mahore	134/Ar	Budhan	Shajroo	NA	33° 16' 49.750" N	74° 50' 53.074" E
24	Kotli Manotrian	120764311150248	Mahore	111/Ar	Budhan	Thuroo	NA	33° 15' 56.066" N	74° 53' 13.452" E



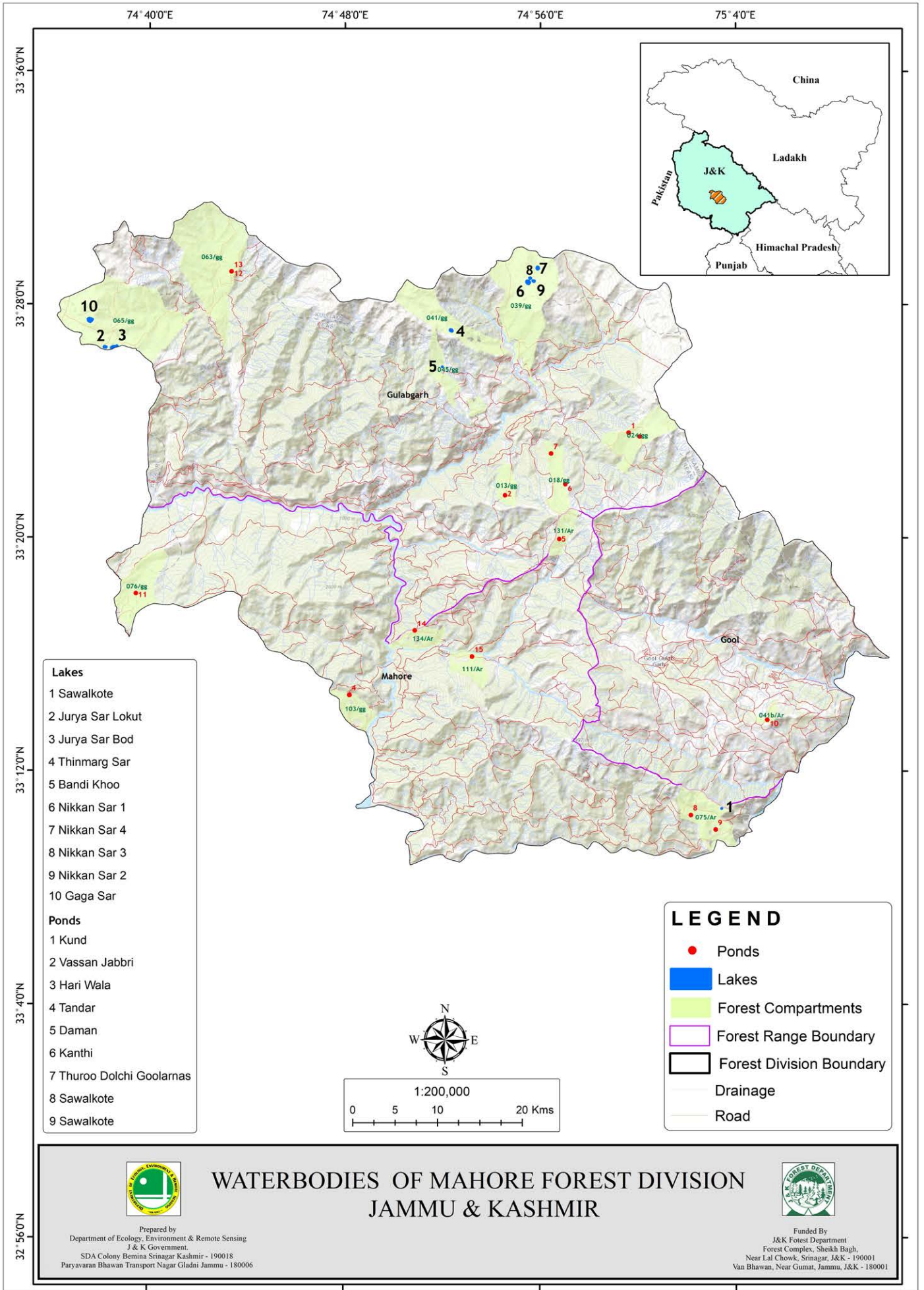
Jurya Sar Bod & Lokut



Thinmarg Sar



Nikkam Sar 1,2,3,4



WATERBODIES OF MAHORE FOREST DIVISION JAMMU & KASHMIR



Prepared by
 Department of Ecology, Environment & Remote Sensing
 J & K Government.
 SDA Colony Bemina Srinagar Kashmir - 190018
 Paryavaran Bhawan Transport Nagar Glandi Jammu - 180006

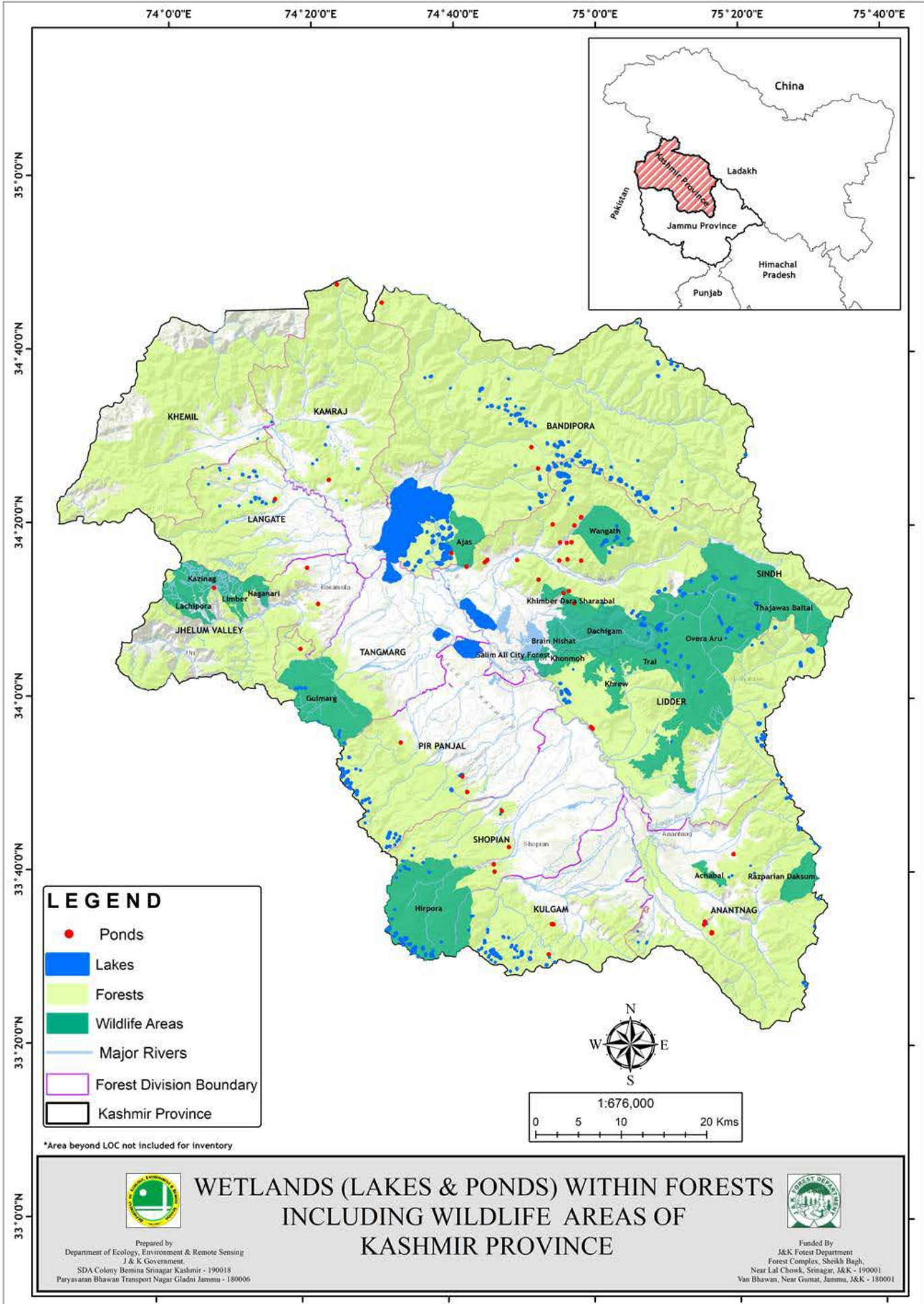
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 J&K Forest Department
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 Near Lal Chowk, Srinagar, J&K - 190001
 Van Bhawan, Near Gumat, Jammu, J&K - 180001

Kashmir Province

The Kashmir Valley, also known as the Vale of Kashmir, is bounded on the southwest by the Pir Panjal Range and on the northeast by the main Himalayas range. Kashmir lies between 74°0'56.349"E to 75°26'36.317"E Longitude and 33°23'2.483"N to 34°43'54.75"N Latitude. It is approximately 135 km wide and 198 km long, and drained by the Jhelum River. High altitude lakes are frequent at high elevations. Lower down in the Vale of Kashmir there are many freshwater lakes and large areas of swamplands which include Wular Lake, Dal Lake and Hokersar.

Wetlands (Lakes and Ponds) within forests including wildlife areas (Forest division-wise)							
KASHMIR DIVISION							
Division	Within Forest		Within Wildlife areas		Total Lakes	Total Ponds	Total Wetlands
	Lakes	Ponds	Lakes	Ponds			
Anantnag	13	17	00	00	13	17	30
Bandipora	112	04	00	00	112	4	116
Jhelum Valley	00	03	00	00	0	3	03
Kamraj	03	05	00	00	3	5	08
Khemil	01	02	00	00	1	2	03
Kulgam	40	05	00	00	40	5	45
Langate	13	07	00	00	13	7	20
Lidder	57	00	06	05	63	5	68
Pirpanjal	40	03	01	00	41	3	44
Shopian	07	04	24	00	31	4	35
Sindh	50	21	02	00	52	21	73
Tangmarg	12	01	02	00	14	1	15
TOTAL	348	72	35	05	383	77	460
	420		40		460		
Total Lakes in Kashmir			348(F)+35(W) = 383				
Total Ponds Kashmir			72(F)+5(W) = 77				
Total of Kashmir			460				





LIDDER FOREST DIVISION

1. Quick Info

Latitude	33°48'22.645N To 34°14'35.414N
Longitude	74°53'29.853E To 75°31'32.463E
Altitude	1446 to 5191m
Area	1835.96Sq.Kms
Source	Working Plan for Lidder Forest Division

2. Territorial Ranges:

Name of Range	Area in Sq.kms
Pahalgam	823.21
Tral	686.25
Mattan	326.50
Total Area	1835.96

3. Climate:

The climate is temperate in the lower elevations, but alpine and arctic in the higher reaches with everlasting snow. The Spring is cool with light showers, Summer is mostly dry as the monsoons don't cross the lofty mountains Range of Pirpanjal. Autumn is cold and dry, whole winter is very cold, frosty and experiences heavy snowfall.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana, Taxus baccata, Juniperus communis</i>
Alpines	<i>Rhododendrons, Betula utilis</i>
Trees	<i>Juglans regia, Aesculus indica, Acer caesium, Fraxinus florifunda, Parratiopsis jacquemontianna, Salix spp.</i>
Source	Working Plan for Lidder Forest Division

5. Drainage and Hydro Morphology

The entire area of the Lidder valley is drained by Lidder stream. The Tral catchment is drained by two perennial Nallahs of Aripal and Naristan. The major portion is drained by the Lidder catchment which comprises of two sub catchments, 08 water sheds and 98 micro water sheds. Aripal catchment comprises of two sub catchments, 5 water sheds and 53 micro water sheds. These two catchments are part of the Jhelum Basin comprising of total 24 catchments.

6. Waterbodies:

Apart from these rivers and nallas a number of Lakes/Wetlands & Ponds are present in the division. A total of 68 waterbodies have been mapped in the division. Some ponds have been identified as point feature owing to their very small size

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds
1	Pahalgam	55	404.08	0
2	Tral	8	106.24	5
3	Mattan	0	0	0
4	Total	63	510.32	5

Table: Waterbodies/Ponds of Pirpanjal Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Gumhar Sar	114534314080004	Pahalgam	37	NA	NA	2.56	34° 12' 31.507" N	75° 11' 46.939" E
2	Handilsar	114534314080005	Pahalgam	37	NA	NA	19.94	34° 12' 5.967" N	75° 12' 17.903" E

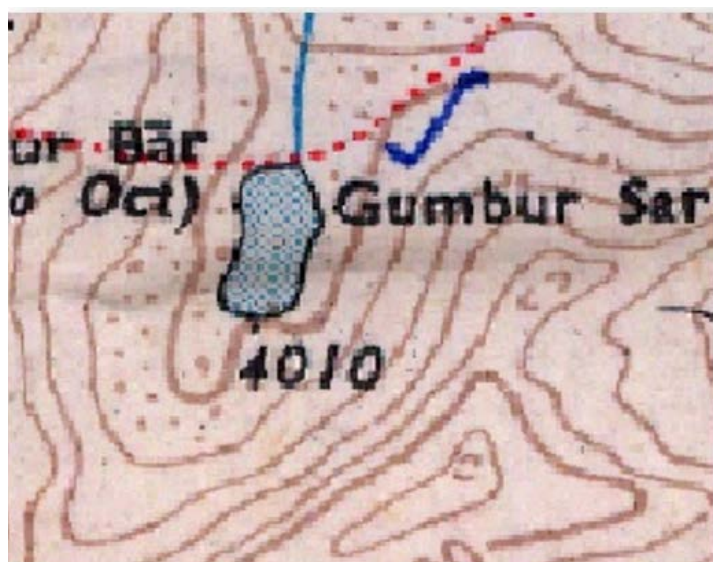
3	Ruyil Sar	114534314080006	Pahalgam	37	NA	NA	0.34	34° 12' 10.666" N	75° 13' 59.774" E
4	Sekiwas Sar	114534314080009	Pahalgam	39	NA	NA	0.26	34° 10' 50.957" N	75° 11' 16.886" E
5	Dandbari Sar	114534314080011	Pahalgam	40	NA	NA	0.8	34° 9' 19.147" N	75° 12' 10.248" E
6	Tarsar Lake	114534314080012	Pahalgam	39	NA	NA	85.11	34° 8' 22.521" N	75° 8' 53.736" E
7	Chhumanai Gali Sar 1	114534314080013	Pahalgam	39	NA	NA	3.28	34° 8' 3.798" N	75° 9' 49.979" E
8	Chhumhai Sar Bod	114534314080031	Pahalgam	45	NA	NA	17.89	34° 5' 34.830" N	75° 9' 37.718" E
9	Chhumnai Sar1	114534314080030	Pahalgam	45	NA	NA	8.51	34° 6' 15.012" N	75° 8' 53.825" E
10	Pambach Khod	112504314040001	Tral	22/N	Naristan	Naristan	1.27	34° 4' 20.907" N	75° 10' 1.627" E
11	Pambagai Lake	112504314040002	Tral	13/Lam	Lam	Lam	1.59	34° 3' 59.849" N	75° 11' 10.110" E
12	Tson Sar	114534314080033	Pahalgam	48/Ac	NA	NA	14.16	34° 3' 46.303" N	75° 12' 55.905" E
13	Gandpathar Sar	114534315050034	Pahalgam	49/Ac	NA	NA	1.15	34° 2' 38.384" N	75° 13' 36.287" E
14	Munwar Sar	114534315050035	Pahalgam	45a/L	NA	NA	8.11	34° 0' 55.367" N	75° 14' 39.650" E
15	Panyar Nag	112504315010010	Tral	Conservation Reserve	Conser- vation Re- serve	Conser- vation Re- serve	0.72	33° 55' 9.678" N	75° 10' 35.298" E
16	Dod Chhiran Sar1	114534315050043	Pahalgam	29a/L	Batkote	Lidroo	5.34	33° 54' 37.588" N	75° 23' 3.206" E
17	Dod Chhiran Sar2	114534315050042	Pahalgam	29a/L	Batkote	Lidroo	0.35	33° 54' 44.227" N	75° 22' 56.392" E
18	Dod Chhiran Sar3	114534315050041	Pahalgam	29a/L	Batkote	Lidroo	3.3	33° 54' 41.583" N	75° 23' 12.346" E
19	Zissar Nag Sar1	114534315050039	Pahalgam	29a/L	Batkote	Lidroo	2.53	33° 55' 22.733" N	75° 23' 8.610" E
20	Charinag Sar	114534315050038	Pahalgam	29a/L	Batkote	Lidroo	21.66	33° 55' 44.302" N	75° 23' 19.562" E
21	Zissar Nar Sar	114534315050040	Pahalgam	29a/L	Batkote	Lidroo	4.54	33° 55' 11.194" N	75° 22' 28.406" E
22	Wunthkatsi Sar	114534315050055	Pahalgam	29a/L	Batkote	Lidroo	0.46	33° 55' 34.707" N	75° 22' 18.897" E
23	Sorus Nag	114534315050037	Pahalgam	32a/L	Batkote	Sarbal	19.9	33° 57' 11.440" N	75° 22' 42.295" E
24	Langinal Sar Bod	114534315050044	Pahalgam	29a/L	Batkote	Lidroo	5.74	33° 51' 16.913" N	75° 25' 16.359" E
25	New Glacial Lake	118685203040040	Pahalgam	36	NA	NA	0.95	34° 13' 52.743" N	75° 18' 56.829" E
26	Sona Sar Bod Basmai Gali	114534314080028	Pahalgam	37	NA	NA	18.59	34° 14' 1.333" N	75° 16' 29.686" E
27	Sona Sar Lokut Basmai Gali	114534314080001	Pahalgam	37	NA	NA	0.53	34° 13' 57.236" N	75° 16' 54.809" E
28	Doda Sar	114534314080003	Pahalgam	37	NA	NA	5.3	34° 13' 37.375" N	75° 13' 19.756" E
29	Dudhnag	114534314080007	Pahalgam	35	NA	NA	11.42	34° 11' 33.406" N	75° 19' 13.955" E
30	Kon Nag1	114534314080024	Pahalgam	11/Ac	Chandan- wari	Phrislana	7.41	34° 8' 15.511" N	75° 24' 59.887" E
31	Gonhar Sar	114534314080025	Pahalgam	12/Ac	Chandan- wari	Phrislana	1.22	34° 6' 29.903" N	75° 23' 10.746" E

32	Vimun Sar	114534314080026	Pahalgam	23/Ac	NA	NA	0.84	34° 6' 15.592" N	75° 21' 46.114" E
33	Girwar Nag	114534314080022	Pahalgam	25	NA	NA	0.24	34° 7' 3.516" N	75° 18' 8.466" E
34	Watis Sar	114534314080014	Pahalgam	33	NA	NA	2.63	34° 9' 26.009" N	75° 17' 14.419" E
35	Hapat Sar	114534314080015	Pahalgam	33	NA	NA	1.11	34° 9' 6.637" N	75° 17' 22.497" E
36	Gurmisar	114534314080016	Pahalgam	33	NA	NA	1.22	34° 8' 50.020" N	75° 17' 32.407" E
37	Chang Sar	114534314080017	Pahalgam	33	NA	NA	0.93	34° 8' 41.864" N	75° 17' 36.066" E
38	Katar Nag Sar Bod	114534314080021	Pahalgam	26_27_28_22/Ac	NA	NA	3.95	34° 7' 47.380" N	75° 18' 21.249" E
39	Katar Nag Sar Lokut	114534314080109	Pahalgam	26_27_28_22/Ac	NA	NA	0.44	34° 7' 53.467" N	75° 18' 16.652" E
40	Sosirwen Gali Sar	114534314080108	Pahalgam	26_27_28_22/Ac	NA	NA	0.28	34° 8' 1.901" N	75° 18' 19.849" E
41	Budru Nag	114534314080020	Pahalgam	25	NA	NA	7.96	34° 8' 7.480" N	75° 18' 49.747" E
42	Lokut Badru Sar	114534314080107	Pahalgam	26_27_28_22/Ac	NA	NA	0.19	34° 8' 10.790" N	75° 18' 37.696" E
43	Lokut Nag	114534314080018	Pahalgam	26_27_28_22/Ac	NA	NA	0.82	34° 8' 18.010" N	75° 18' 39.085" E
44	Sheesh Nag	114534314080027	Pahalgam	06/Ac	Chandanwari	Phrislana	58.73	34° 5' 36.027" N	75° 29' 52.284" E
45	Sona Sar	111464314040022	Pahalgam	05/Ac	Chandanwari	Phrislana	18.75	34° 4' 1.346" N	75° 28' 31.462" E
46	Chanda Sar	114534314080010	Pahalgam	39	NA	NA	10.49	34° 9' 21.805" N	75° 6' 46.328" E
47	Tuliyar Sar	114534315050036	Pahalgam	33b/L	Pahalgam	Ganishbal	5.34	33° 59' 15.192" N	75° 23' 34.564" E
48	Ech Nambal	112484310160003	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	3.18	34° 1' 51.822" N	74° 55' 10.633" E
49	K h o n m o h Masjid	110434310160014	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	0.01	34° 3' 29.363" N	74° 56' 57.615" E
50	Tulbagh Sat-P o k h r a n Pampore	112484314040007	Tral	Wildlife Area	Wildlife Area	Wildlife Area	0.18	34° 3' 34.020" N	75° 2' 20.126" E
51	H a r i m t o o l Masjid Sharif Sath Pokhran Khrew	112484314040009	Tral	Wildlife Area	Wildlife Area	Wildlife Area	0.04	34° 3' 18.041" N	75° 2' 35.359" E
52	Langninal Sar Lokut	11453414080097	Pahalgam	29a/L	Batkote	Lidroo	0.3	33° 51' 21.827" N	75° 25' 26.912" E
53	Hoka Sar	114534314080032	Pahalgam	47	NA	NA	3.12	34° 5' 0.318" N	75° 11' 55.181" E
54	Nafon Sar 1	11453414080098	Pahalgam	24/Ac	NA	NA	0.21	34° 7' 24.565" N	75° 20' 5.366" E
55	Chhumnai Sar 3	11453414040099	Pahalgam	45	NA	NA	3.53	34° 6' 2.699" N	75° 8' 46.166" E
56	Chhumnai Sar 2	11453414040100	Pahalgam	45	NA	NA	3.62	34° 6' 27.715" N	75° 9' 52.776" E
57	Chumnai Gali Sar 2	11453414040101	Pahalgam	39	NA	NA	1.8	34° 7' 55.106" N	75° 9' 10.632" E
58	Satlanjan Sar	11453414040102	Pahalgam	37	NA	NA	0.89	34° 12' 25.140" N	75° 15' 0.883" E

59	Hokasar Baihk 1	11453414080103	Pahalgam	35	NA	NA	0.71	34° 11' 53.636" N	75° 18' 29.867" E
60	Hokasar Baihk 2	11453414080104	Pahalgam	35	NA	NA	0.69	34° 11' 48.387" N	75° 18' 28.414" E
61	Nafron Sar 2	11453414080105	Pahalgam	24/Ac	NA	NA	0.53	34° 7' 15.935" N	75° 20' 24.176" E
62	Zissar Nag Sar2	11453415050106	Pahalgam	29a/L	Batkote	Lidroo	2.15	33° 55' 28.671" N	75° 23' 0.412" E
63	Manibugh Wetland Reserve	112484310160007	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	7.1	33° 59' 59.874" N	74° 55' 42.976" E
64	Kranchoo Wetland Reserve	112484311130008	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	22.2	33° 59' 43.245" N	74° 56' 13.078" E
65	Freshkhori Wetland Reserve	112484310160006	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	14.62	34° 0' 48.534" N	74° 55' 20.302" E
66	Chatalum Wetland Reserve	112484310160005	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	55.32	34° 0' 54.458" N	74° 56' 8.788" E
67	Fakwin-Barsoo (pond)	112484311130011	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	NA	33° 56' 49.600" N	74° 59' 25.600" E
68	Gingnag-Barsoo (POND)	112484311130012	Tral	Conservation Reserve	Conservation Reserve	Conservation Reserve	NA	33° 56' 38.300" N	74° 59' 39.200" E

Topo sheets 1965

Satellite Images 2020 (Google Earth)



Gumhar Sar



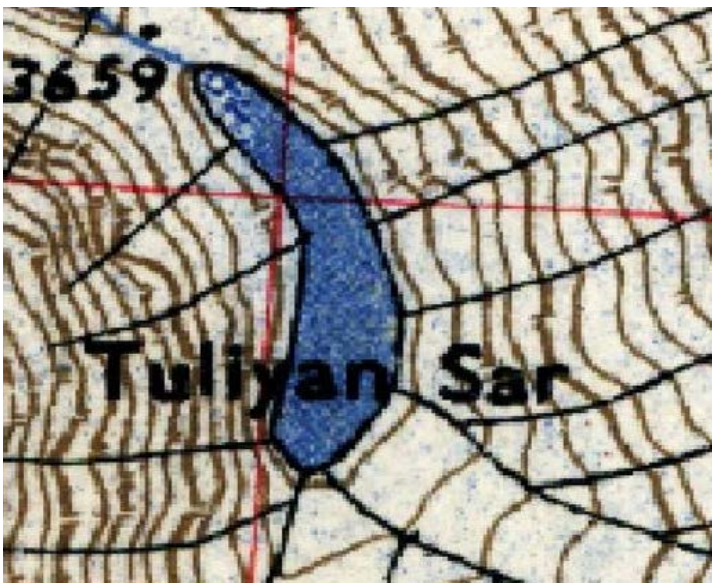
Handil Sar



Ruyil Sar



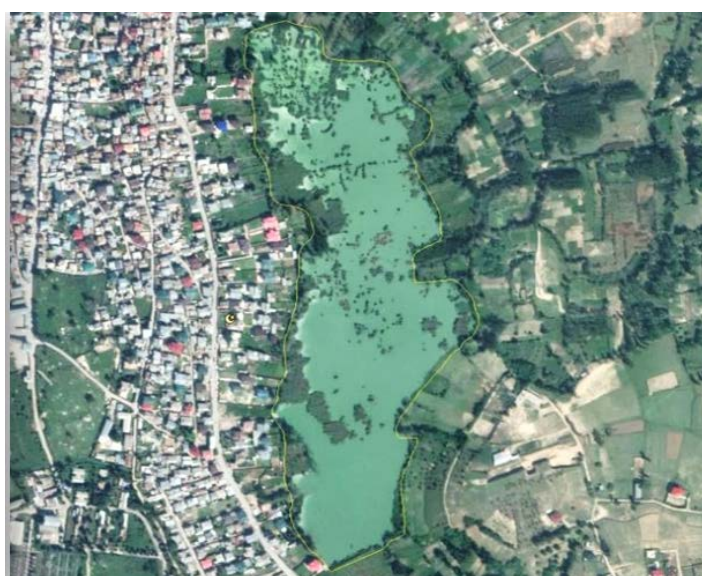
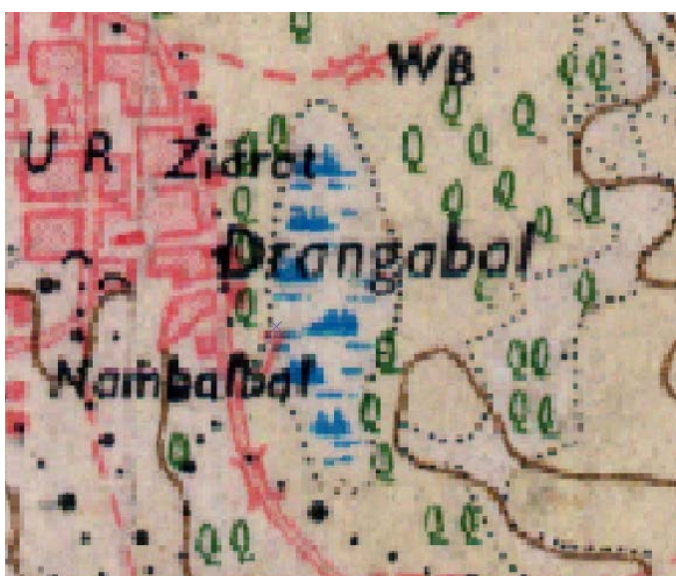
Ech Nambal



Tuliyan Sar



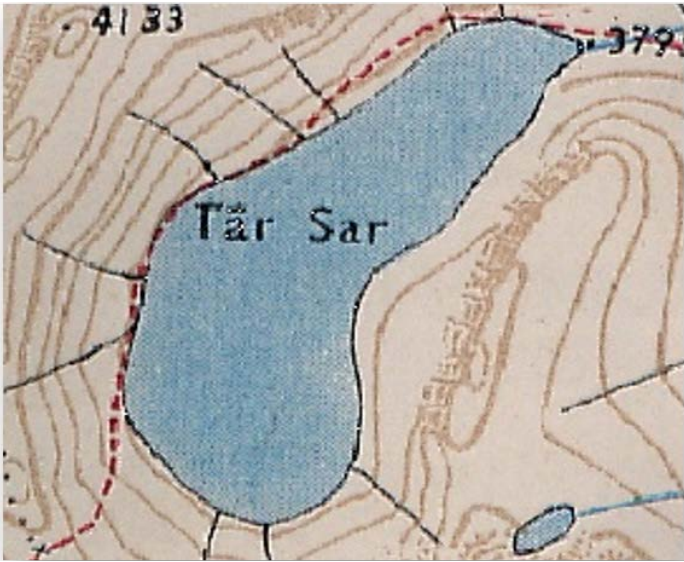
Bodsar/ Chattlam Sar



Freshkooi Sar



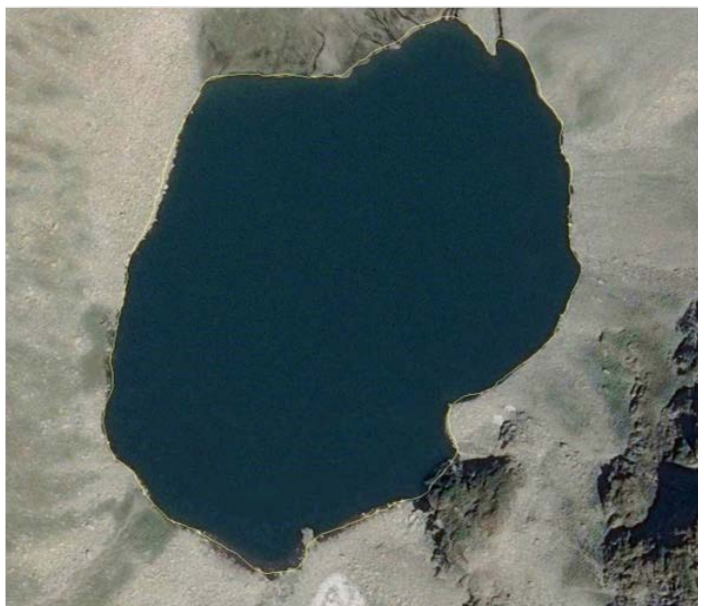
Manibugh Sar



Tarsar



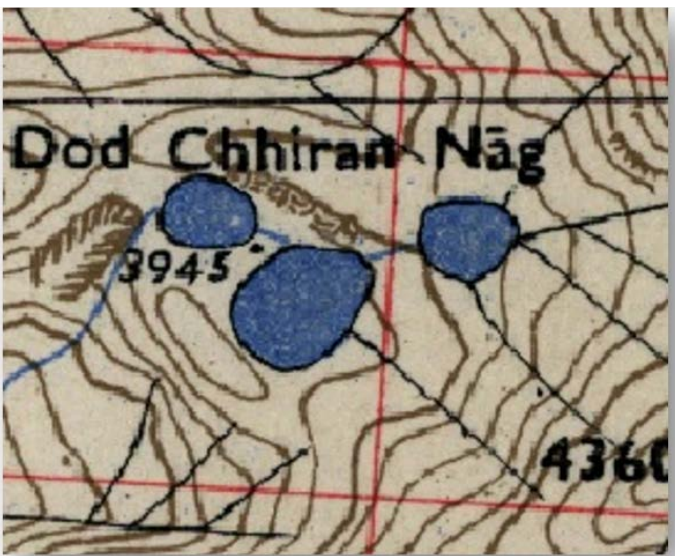
Kranchoo Sar



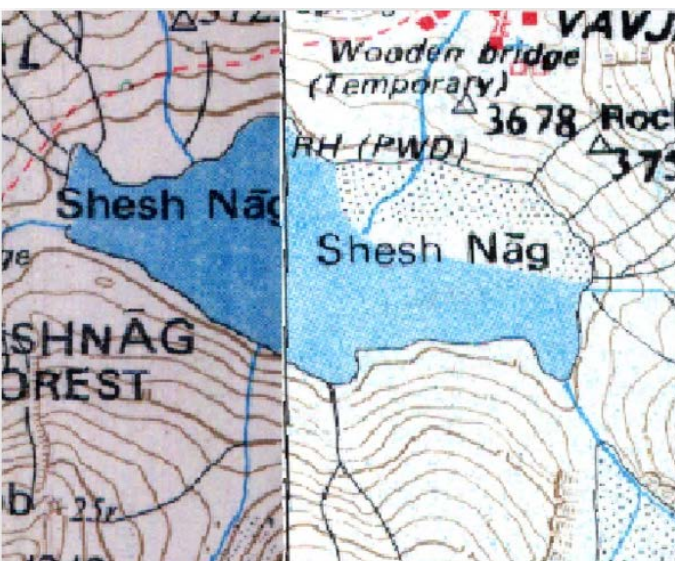
Munwar Sar



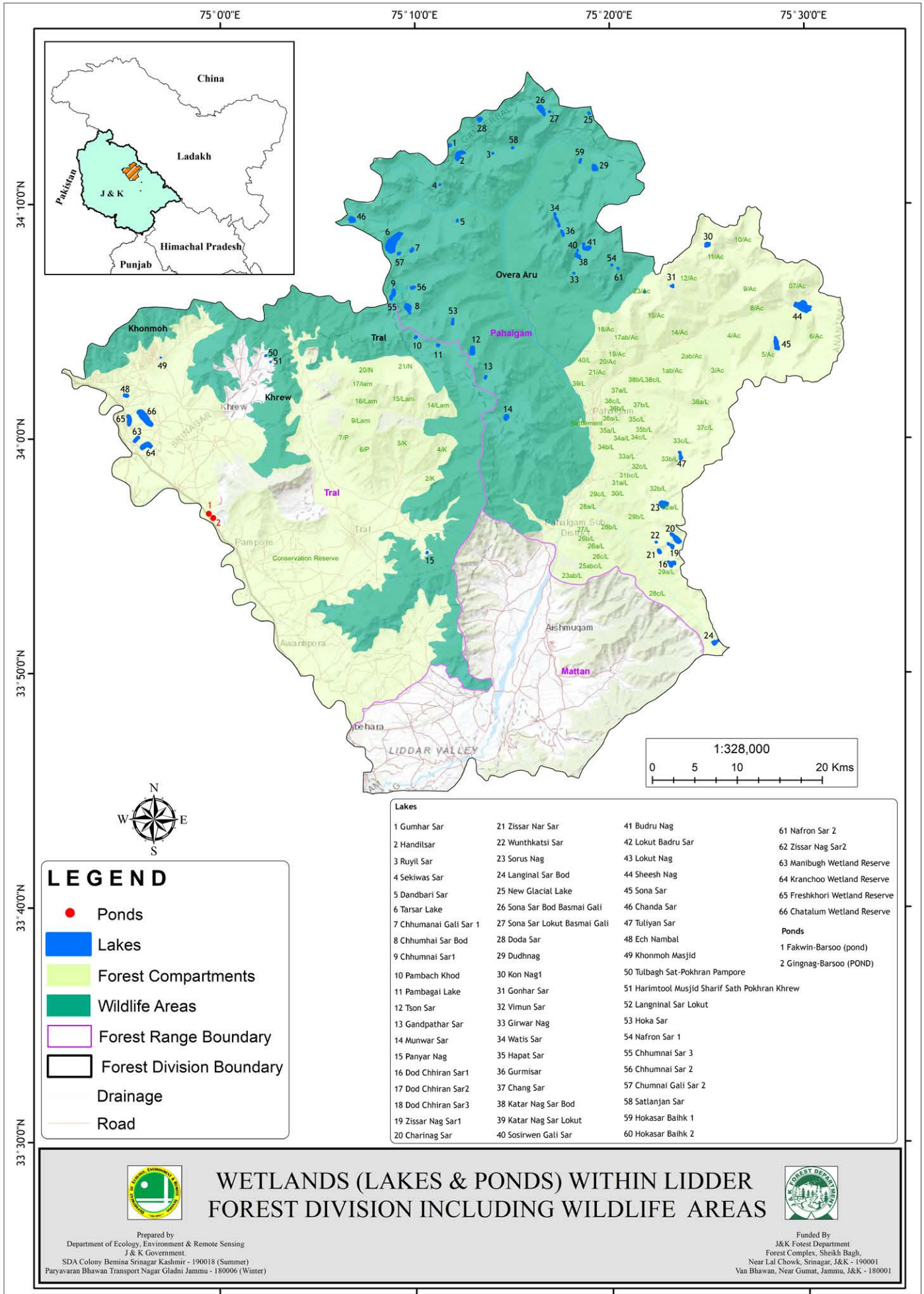
Chari Nag



Dod Chiran Sar



Shesh Nag



ANANTNAG FOREST DIVISION

1. Quick Info

Latitude:	33°21'56.63"N To 33°50'49.13"N
Longitude	75°04'04.60"E to 75°32'06.59"E
Altitude	1473 to 4430 m
Area	1417.45 Sq kms
Source	Working Plan for Anantnag Forest Division

3. Climate:

The climate of the Anantnag division is sub-humid temperate due to the presence of Pir Panjal Ranges in its south and Karakoram towards east. It is also influenced by monsoon conditions. Annual precipitation ranges from 844 mm to 1213 mm. The minimum and maximum temperatures vary from -11°C to 33°C. The winter season starts from the mid-November and harsh winter continues till mid-February / March. Summers in Anantnag are mild with high humidity and scanty rainfall.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, A. spectabilis, Picea smithianas, Taxus baccata.</i>
Broad-Leaved	<i>Acer caesium, Celtis australis, Prunus cornuta,</i>
Shrubs	<i>Berberis lycium, Parrotiopsis jacquemontiana, Rosa webbiana, Sorbaria tomentosa, Skimmia laureola and Viburnum grandiflorum, Sambucus wightiana</i>
Herbs	<i>Aconitum heterophyllum, Atropa acuminata, Ajuga parviflora, Dactylorhiza hatagirea, Digitalis purpurea, Fragaria nubicola, Geranium robertianum, Persicaria amplexicaulis, Phytolacca acinosa, Polygonatum acuminatifolium, Primula denticulata, Stipa sibirica, Thalictrum cultratum, and Trillium govianum. Hedera nepalensis, Smilax aspera and Dioscorea deltoidea,</i>

5. Drainage and Hydro Morphology

The district lies in the Jhelum sub-basin of Indus Basin. As such, Jhelum is the main river of division originating from the most famous spring of Verinag at Anantnag and has several tributaries including Lidder, Sadarn, and Vishav draining the whole area. The Kuthar, Daksum, Kokarnag and Verinag Ranges are drained by the Kuthar, Bringi and Sandran streams respectively.

6. Waterbodies:

A total of 30 waterbodies have been mapped within the 5 territorial ranges of Anantnag forest division using high-resolution satellite images. Most of the Ponds are mapped as point feature owing to their small size.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Kuthar	4	6.24	5	0.406
2	Kokernag	-	-	1	0.013
3	Daksum	9	31.15	1	0.04
4	Verinag	1	0.01	5	0
5	Qazigund	-	-	4	0.05
	Total	14	37.40	16	0.509

Table: Waterbodies /Ponds of Anantnag Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Kon Nag Gali Sar	114534315050045	Kuthar	097a/K	Ohpasion	Nurser	1.11	33° 50' 13.500" N	75° 25' 44.824" E

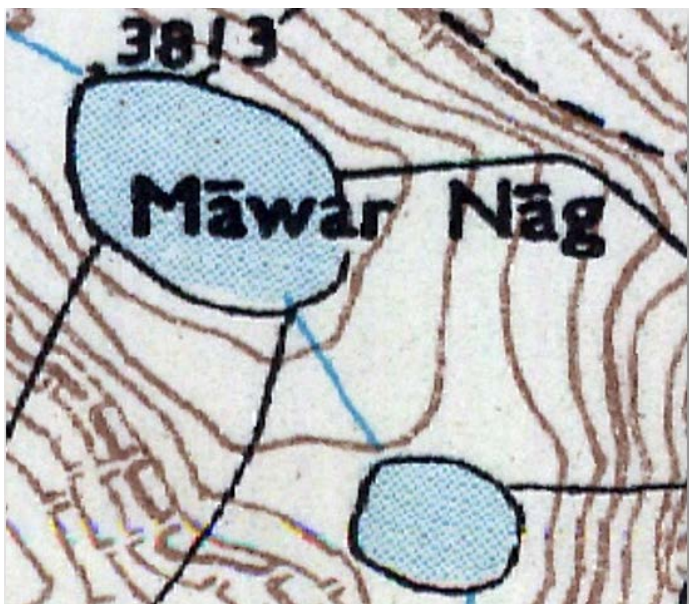
2	Nagputan Sar1	114564315050046	Kuthar	095a/K	Poshnari	Chaklipora	3.19	33° 48' 51.811" N	75° 27' 2.397" E
3	Nagputan Sar2	114564315050047	Kuthar	095a/K	Poshnari	Chaklipora	1.95	33° 48' 39.552" N	75° 26' 51.324" E
4	Chohar Nag Sar1	114574315060048	Daksum	046b/K	Lehenwan	Gurdidraman	11.23	33° 45' 13.528" N	75° 28' 10.811" E
5	Chohar Nag Sar2	114574315060049	Daksum	046b/K	Lehenwan	Gurdidraman	3.52	33° 44' 57.486" N	75° 28' 9.962" E
6	Shilsar 3	118694315100020	Daksum	045b/K	Lehenwan	Gurdidraman	1.62	33° 43' 22.010" N	75° 30' 22.200" E
7	Panad Larnoo	114574315060064	Kuthar	070ab/K	Uttersoo	Bariangan	0.02	33° 40' 49.249" N	75° 21' 27.480" E
8	Guridraman Larnoo	114574315060063	Daksum	055/K	Nowbugh	Shatoo	0.04	33° 39' 59.031" N	75° 21' 59.894" E
9	Hallan Larnoo I	114574315060008	Kuthar	061a/K	Shangus	Nowgam	0.15	33° 39' 30.625" N	75° 18' 27.448" E
10	Hallan Larnoo II	114574315060009	Kuthar	061b/K	Shangus	Nowgam	0.16	33° 39' 42.465" N	75° 18' 55.363" E
11	Kashwon Larnoo II	114574315060016	Kokernag	112/K	Kandieara	Kandiwara	0.01	33° 38' 31.144" N	75° 17' 12.256" E
12	Bachan Wali(pond)	0114534315050021	Kuthar	098/K	Ohpasion	Nurser	0.07	33° 48' 47.038" N	75° 22' 8.216" E
13	Drinyan Sar	114534314080051	Daksum	016bc/K	Larnoo	Bidhar	1.01	33° 36' 56.847" N	75° 30' 49.018" E
14	Girsar Nag	114534314080052	Daksum	015b/K	Danidipora	Deesu	0.41	33° 33' 47.208" N	75° 30' 11.548" E
15	Mawar Nag Bod	114534315070053	Daksum	093c/V	Gadole	Ichoo	7.18	33° 27' 18.582" N	75° 28' 41.955" E
16	Mawar Nag Lokut	114534315070054	Daksum	093c/V	Gadole	Ichoo	4.46	33° 26' 56.447" N	75° 29' 3.360" E
17	Nigeenpora devsar Qazigund	0115614315020055	Qazigund	037/N	Kund	Waltengoo	0.01	33° 33' 16.270" N	75° 5' 52.804" E
18	Pacham Devsar Qazigund	115614315020002	Qazigund	039/N	Kund	Waltengoo	0.03	33° 31' 54.956" N	75° 7' 5.043" E
19	Waltengoo Devsar Qazigund -I	115614315020001	Qazigund	038/N	Kund	Waltengoo	0.01	33° 32' 2.498" N	75° 5' 55.870" E
20	Pacham Devsar Qazigund	115614315020037	Qazigund	039/N	Kund	Waltengoo	0.01	33° 32' 5.405" N	75° 7' 10.106" E
21	Trajon Dooru-I	114584315060078	Verinag	Non Forest	Non Forest	Non Forest	0.01	33° 34' 7.686" N	75° 15' 25.000" E
22	Gagarnai Sar	118694315100021	Daksum	045b/K	Lehenwan	Gurdidraman	1.6	33° 42' 52.001" N	75° 31' 2.848" E
23	Shilsar 4	11453415060096	Daksum	045b/K	Lehenwan	Gurdidraman	0.12	33° 43' 54.104" N	75° 29' 49.183" E
24	Nagputan Sar	114564315050046	Kuthar	095a/K	Poshnari	Chaklipora	5.15	33° 48' 36.509" N	75° 26' 29.067" E
25	Watnor Dadnagin Sagam	114584315060059	Verinag	057b/V	Dooru	Agnoo	NA	33° 33' 9.610" N	75° 16' 4.210" E
26	Sehmadan Sagam	114584315060060	Verinag	058/V	Dooru	Lisser Bragam	NA	33° 34' 23.110" N	75° 15' 8.530" E
27	Batgund Dooru Veerinag	114584315060069	Verinag	057b/V	Dooru	Agnoo	NA	33° 33' 2.320" N	75° 16' 3.490" E
28	Trajon Dooru-II	114584315060079	Verinag	058/V	Dooru	Lisser Bragam	NA	33° 34' 2.760" N	75° 15' 2.900" E
29	Bindoo	114584315060082	Verinag	057b/V	Dooru	Agnoo	NA	33° 33' 5.620" N	75° 16' 8.220" E
30	Chaki Shergund Shangus-I	114564315060074	Kuthar	072/K	Uttersoo	Sheikhpora	NA	33° 42' 9.780" N	75° 19' 8.110" E



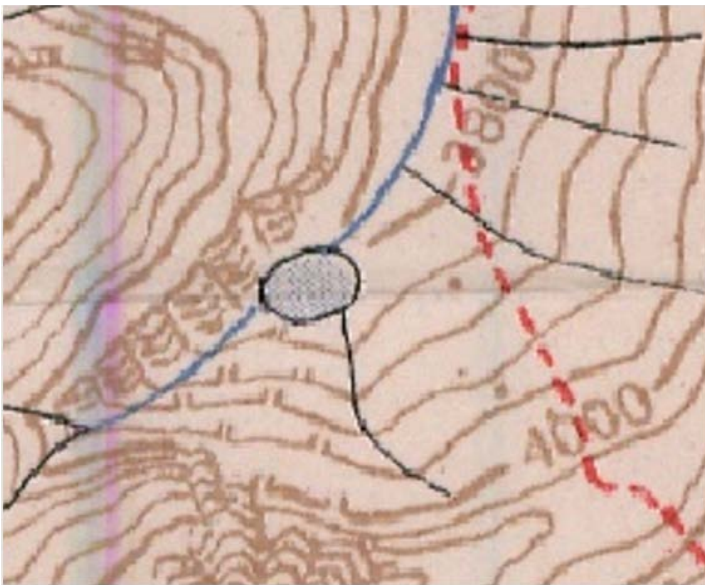
Kon Nag Gali Sar



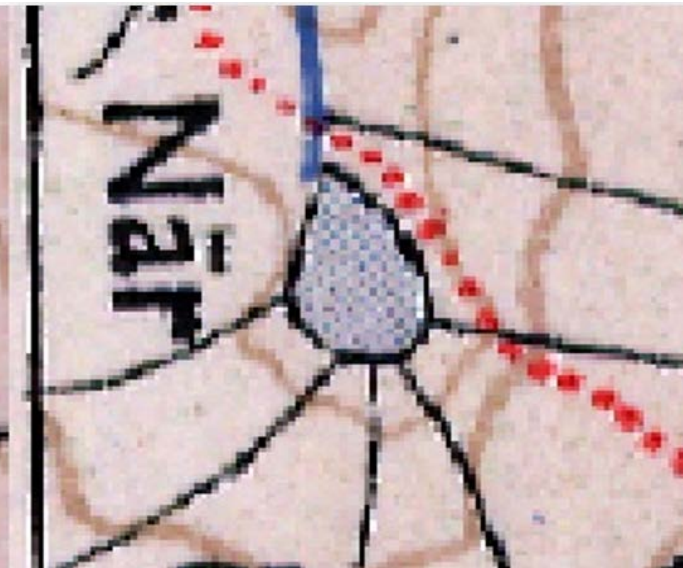
Nagputan Sar 1 & 2



Mawar Nag



Gagarnai Sar



Girsar Nag



Chochar Nag Sar

75°10'0"E

75°20'0"E

75°30'0"E

75°40'0"E

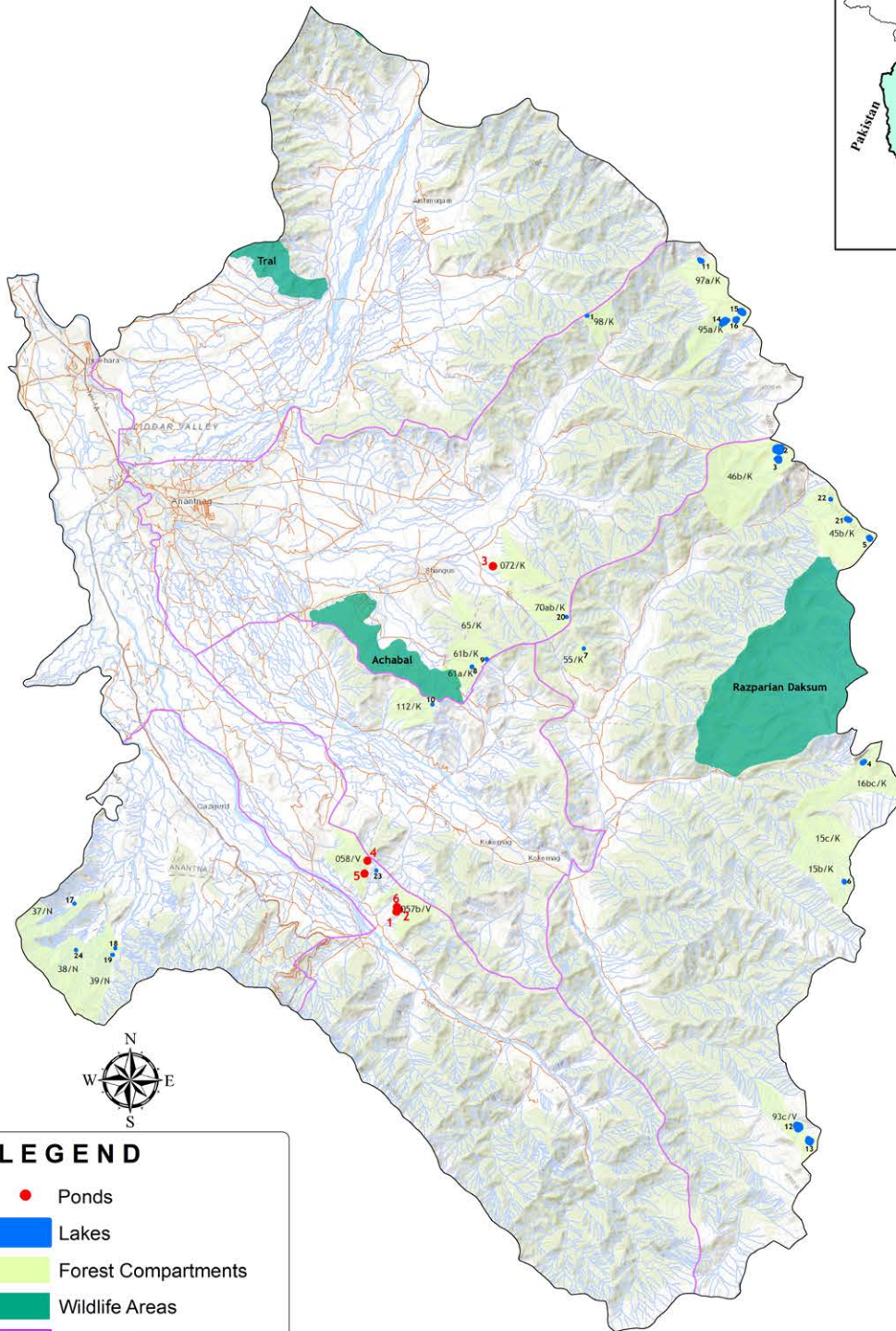
33°54'0"N

33°45'0"N

33°36'0"N

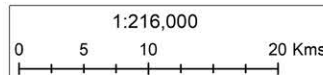
33°27'0"N

33°18'0"N



LEGEND

- Ponds
- Lakes
- Forest Compartments
- Wildlife Areas
- Forest Range Boundary
- Forest Division Boundary
- Drainage
- Road



Lakes/ Wetland / Ponds (Polygon)

- 1 Bachan Wali
- 2 Chohar Nag Sar1
- 3 Chohar Nag Sar2
- 4 Drinyan Sar
- 5 Gagarnai Sar
- 6 Girsar Nag
- 7 Guridraman Larnoo
- 8 Hallan Larnoo I
- 9 Hallan Larnoo II
- 10 Kashwon Larnoo II
- 11 Kon Nag Gali Sar
- 12 Mawar Nag Bod
- 13 Mawar Nag Lokut
- 14 Nagputan Sar
- 15 Nagputan Sar1
- 16 Nagputan Sar2
- 17 Nigeenpora devsar Qazigund
- 18 Pacham Devsar Qazigund
- 19 Pacham Devser Qazigund
- 20 Panad Larnoo
- 21 Shilsar 3
- 22 Shilsar 4
- 23 Trajon Dooru-I
- 24 Waltengoo Devsar Qazigund -I

Ponds (Point)

- 1 Batgund Dooru Veerinag
- 2 Bindoo
- 3 Chaki Shergund Shangus-I
- 4 Sehmadan Sagam
- 5 Trajon Dooru-II
- 6 Watnor Dadnagin Sagam



WETLANDS (LAKES & PONDS) WITHIN ANANTNAG FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
Department of Ecology, Environment & Remote Sensing
J & K Government.
SDA Colony Bemina Srinagar Kashmir - 190018
Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006

Funded By
J&K Forest Department
Forest Complex, Sheikh Bagh,
Near Lal Chowk, Srinagar, J&K - 190001
Van Bhawan, Near Gumat, Jammu, J&K - 180001

SHOPIAN FOREST DIVISION

1. Quick Info

Latitude	33°30'20.046"N to 33°58'37.498"N
Longitude	74°33'56.037"E to 74°57'20.928"E
Area	1177.51sq.kms
Altitude	1392 to 4645 m
Source	Working Plan for Shopian Division

2. Territorial Ranges:

Name of Range	Area (Sq. Km)
Shopian	646.81
Romshi	477.32
Kakapora	53.38
Total Area	1177.51

3. Climate:

The division comprises mostly hilly terrain areas and has everlasting snow. Higher up in the upper most reaches, it is almost arctic. As we come down it warms up to alpine and then to temperate lower down. The snow remains on the forest floor till about last week of April, even up to first week of May in the interior areas. All the four seasons of the year are represented in the tract, the spring is cool and wet. Summer months are generally hot and dry with occasional showers in July. The winter onsets in December with heavy snowfall and lasts till April, with sub-zero temperatures.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	<i>Cedrus deodara</i> , <i>Pinus wallichiana</i> , <i>Abies pindrow</i> , <i>Picea smithiana</i> .
Broad Leaved	<i>Juglans regia</i> , <i>Aesculus indica</i> , <i>Acer spp</i> <i>Fraxinus spp.</i> , <i>Viburnum spp</i> , <i>Sambucus spp</i> , <i>Rumex spp</i> , <i>Fragaria spp</i> , <i>Phytollacas</i>
Herbaceous Species	<i>Sussurea lappa</i> , <i>Dioscoria spp</i> , <i>Aconitum heterophyllum</i> , <i>A. chresentum</i> , <i>Jurinea macrocephala</i> , <i>Cordylis sp.</i> , <i>Gentiana spp</i> ; <i>Delphinium</i> , <i>Arnibia benthamii</i>

5. Drainage and Hydro Morphology

The Division is blessed with a number of perennial streams originating from snow covered mountains. These streams dissipate water into a network of tributaries flowing across length and breadth of the Division. The three important perennial streams are:-

- **Nalla Veshav:** The river originates from a oligotrophic lake Kausarnag located at an elevation of 3,962.4 metres above sea level in District Kulgam and joins with river Jehlum at Sangam
- **Nalla Rambiara:** Rambiara originating in Pir Panjal Range joins the Veshaw River near Sangam in Anantnag District before the confluence finally meets the Jhelum.
- **Nalla Romshi:** . Romshi River is situated in Karnaobal. Romshi is one the main tributaries of Jhelum.

6. Waterbodies:

Apart from these rivers and nallas, 35 waterbodies have been mapped in the division (using high resolution satellite images), with 31 Lakes and 4 Ponds. All ponds are mapped as point features

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Shopian	25	252.20	3	-
2	Romshi	6	35.36	1	-
3	Kakapora	0	0	0	-
	Total	31	287.56	4	-

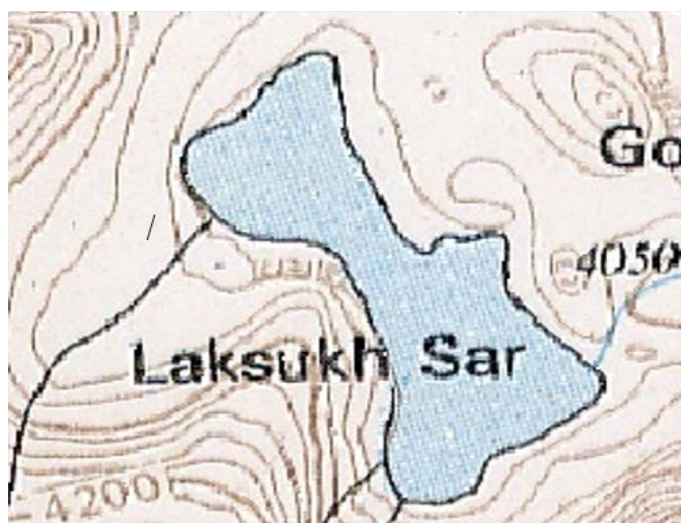
Table: Waterbodies /Ponds of Shopian Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Feature	Area(Ha)	Latitude	Longitude
1	Lakh Sukh Sar	11561431100004	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	30.86	33° 32' 11.628" N	74° 33' 17.003" E
2	Barani Sar Lokut	11561431100006	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	11.49	33° 31' 41.795" N	74° 33' 39.479" E
3	Barani Sar Bod	11561431100008	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	12.56	33° 31' 46.801" N	74° 34' 25.558" E
4	Golia Sar	11561431100005	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	22.04	33° 32' 23.781" N	74° 33' 53.485" E
5	Chandan Sar	11561431100002	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	15.99	33° 32' 58.370" N	74° 32' 32.486" E
6	Chandan Sar Lokut	11561431100003	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	3.99	33° 32' 39.019" N	74° 32' 18.203" E
7	Nandan Sar	11561431100001	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	26.41	33° 33' 31.219" N	74° 31' 33.451" E
8	Bhag Sar Bod	11561431100007	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	71.32	33° 31' 8.328" N	74° 35' 0.875" E
9	Kotori Sar	11561431100009	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	12.02	33° 31' 19.460" N	74° 36' 17.367" E
10	Bhagsar Gali Sar	11561431100011	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	14	33° 30' 17.705" N	74° 35' 37.101" E
11	Dhaklar Sar Bod	11561431100012	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	36.4	33° 30' 32.477" N	74° 37' 30.157" E
12	Rupri Gali Sar	11561431100010	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	7.13	33° 30' 34.333" N	74° 36' 39.506" E
13	Gumsar Shipkor Sar	11352431100003	Romushi	13/Ri	Chawan	Chawan	Polygon	2.22	33° 41' 10.941" N	74° 36' 13.920" E
14	Lashkor Nag	11352431130006	Romushi	07/Y	Keller	Batmurren	Polygon	0.26	33° 46' 46.764" N	74° 46' 54.572" E
15	Siknag	11352431130005	Romushi	06/Y	Keller	Keller	Polygon	0.05	33° 47' 22.971" N	74° 46' 59.818" E
16	Bhag Sar Lokut	115614311140152	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	0.5	33° 30' 36.783" N	74° 34' 55.009" E
17	Dhaklar Sar Lokut	115614311140153	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	1.64	33° 31' 2.198" N	74° 37' 40.242" E
18	Barhal Pass Sar	10519431100011	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	0.94	33° 32' 40.177" N	74° 31' 52.766" E
19	Jadi Sar	11561431100142	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	2.07	33° 34' 38.360" N	74° 31' 57.712" E
20	Kushkidar Sar	11561431100143	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	0.88	33° 35' 44.925" N	74° 32' 22.210" E
21	Nanga Sar	11561431100144	Shopian	17b/Rb	Methwani	Dubjan	Polygon	1.98	33° 41' 57.438" N	74° 40' 39.334" E
22	Gadar Nar Sar	11561431100023	Romushi	15b/Ri	Namblan	Namblan	Polygon	0.42	33° 42' 50.995" N	74° 34' 56.528" E
23	Dhelimarg Sar 4	11561431100149	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	1.71	33° 39' 26.428" N	74° 32' 33.228" E
24	Dhelimarg Sar 3	11561431100148	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	0.88	33° 40' 15.351" N	74° 33' 5.955" E
25	Dhelimarg Sar 1	11561431100146	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	2.18	33° 40' 29.189" N	74° 33' 51.264" E
26	Dhelimarg Sar 2	11561431100147	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	1.48	33° 40' 23.875" N	74° 34' 19.628" E

27	Chhatapani Ko Nezo Sar	115614311100145	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	0.77	33° 40' 43.056" N	74° 33' 36.525" E
28	Nabapir Pass Sar		Romushi	22/Ri	Namblan	Kehroot	Polygon	0.4	33° 41' 22.459" N	74° 33' 24.329" E
29	Madhani Ko Nezo Sar	115614311100024	Romushi	14/Ri	Chawan	Chawan	Polygon	1.16	33° 41' 59.580" N	74° 34' 42.187" E
30	Dubjan Sar	115614311100150	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	1.76	33° 40' 4.929" N	74° 37' 5.224" E
31	Budil Pass Sar	115614311100151	Shopian	Hirpura Wildlife Sanctuary	Hirpura Wildlife SC	Hirpura Wildlife SC	Polygon	2.15	33° 32' 1.768" N	74° 38' 47.612" E
32	Bagh sangerwani	112514311130003	Romushi	06/Y	Keller	Keller	Point	NA	33° 47' 9.000" N	74° 47' 7.300" E
33	Bohrihallan Shopian	113524311140010	Shopian	02a/V	Chotipora	Chotipora	Point	NA	33° 40' 9.140" N	74° 46' 7.960" E
34	Pati Toolihallan	113524311140011	Shopian	02a/Rb	Haripora	Borihallan	Point	NA	33° 41' 0.310" N	74° 46' 0.900" E
35	Tang Mohalla Nagbal	113524311140010	Shopian	21/Rb	Zawoora - A	Zawoora	Point	NA	33° 43' 0.510" N	74° 48' 6.570" E

Topo sheets 1965

Satellite Images 2020 (Google Earth)



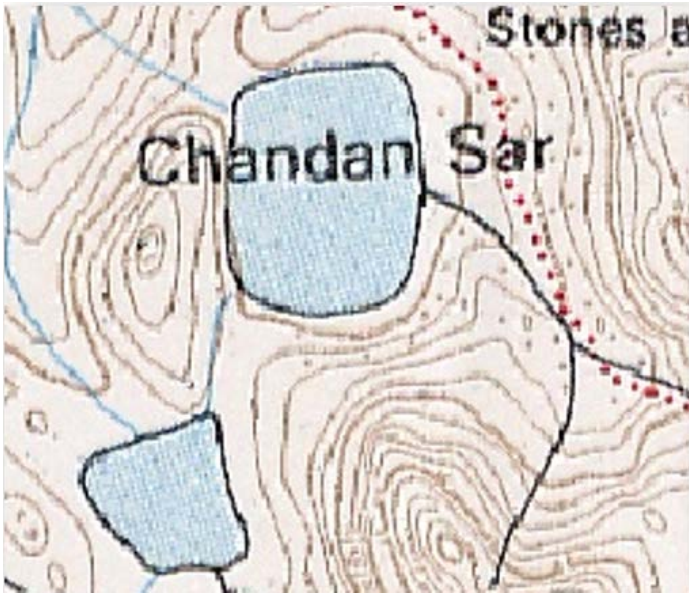
Lakh Sukh Sar



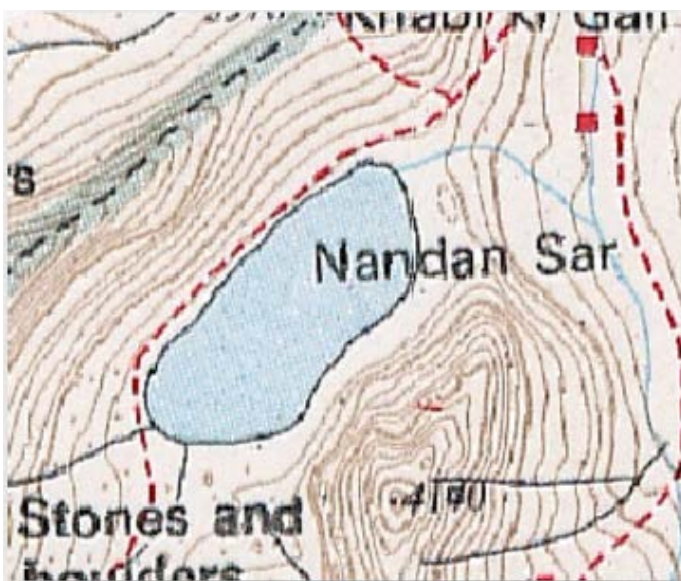
Barani Sar



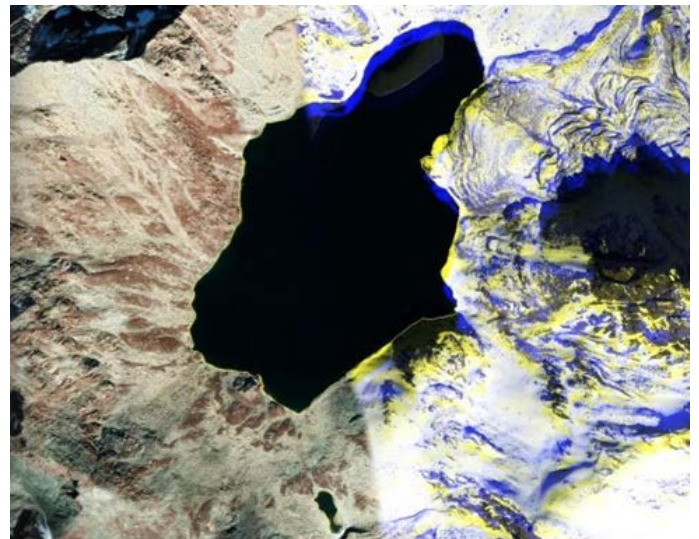
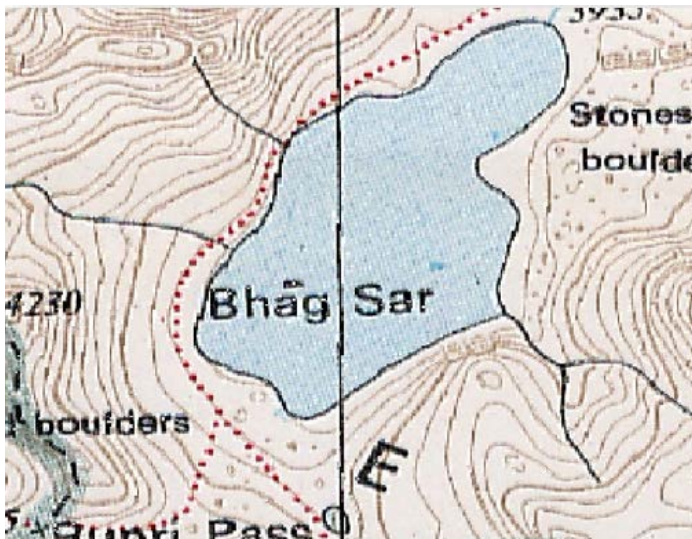
Golio Sar



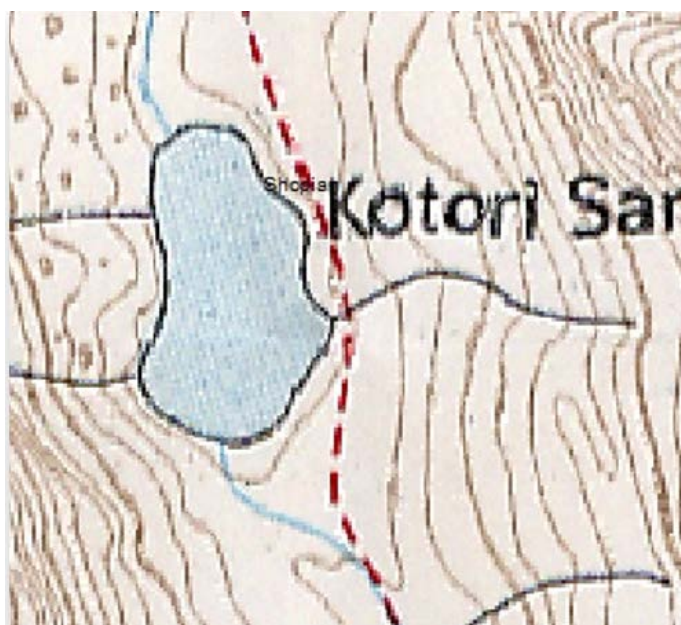
Chandan Sar Bod & Lokut



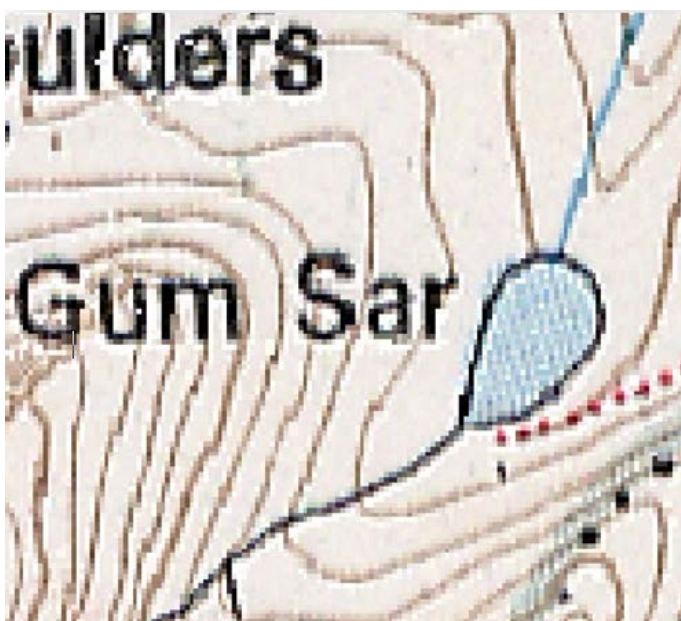
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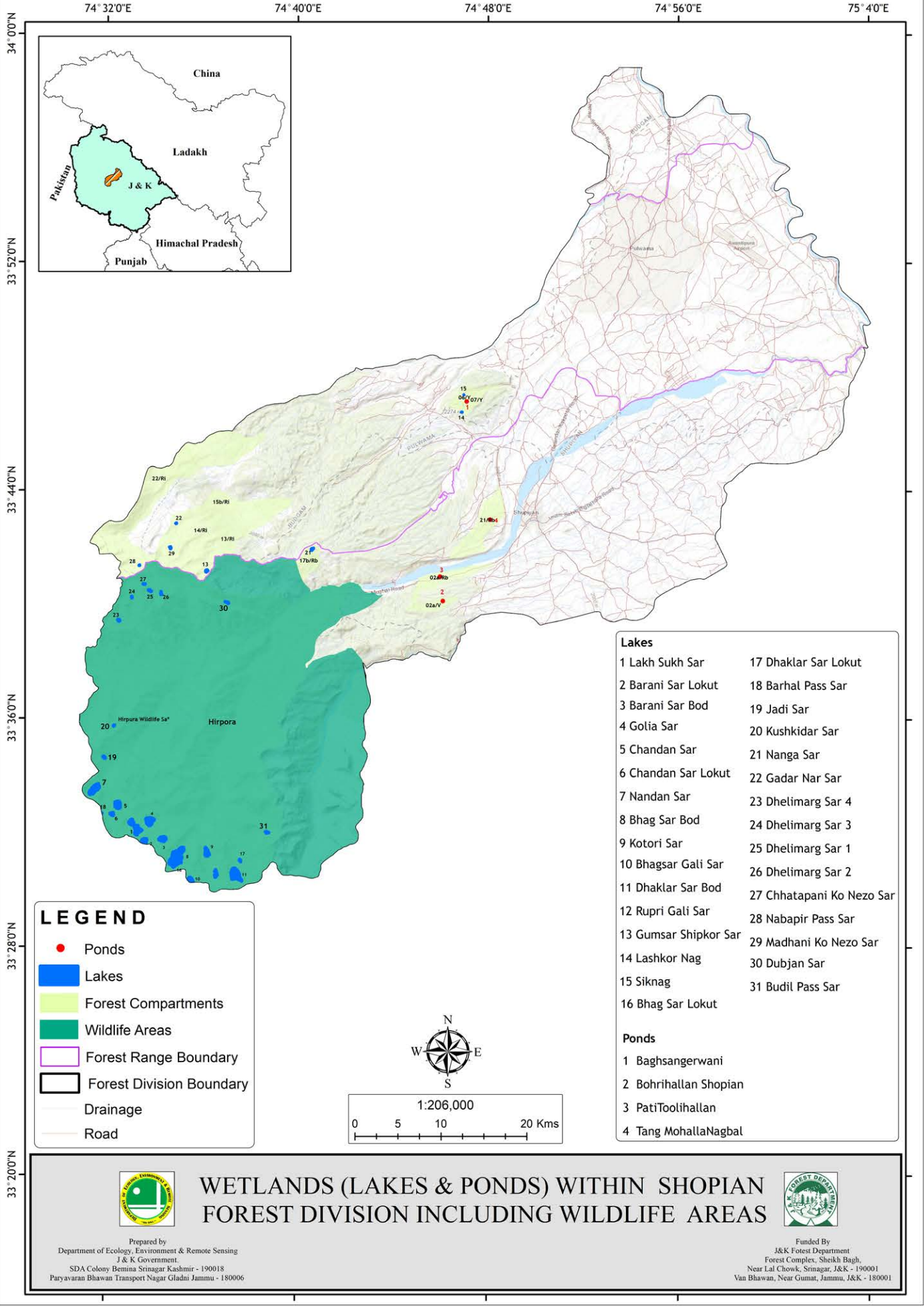
Bhag Sar Bod & Lokut



Katori Sar



Gum Sar



LEGEND

- Ponds
- Lakes
- Forest Compartments
- Wildlife Areas
- Forest Range Boundary
- Forest Division Boundary
- Drainage
- Road

- Lakes**
- | | |
|-----------------------|---------------------------|
| 1 Lakh Sukh Sar | 17 Dhaklar Sar Lokut |
| 2 Barani Sar Lokut | 18 Barhal Pass Sar |
| 3 Barani Sar Bod | 19 Jadi Sar |
| 4 Golia Sar | 20 Kushkidar Sar |
| 5 Chandan Sar | 21 Nanga Sar |
| 6 Chandan Sar Lokut | 22 Gadar Nar Sar |
| 7 Nandan Sar | 23 Dhelimarg Sar 4 |
| 8 Bhag Sar Bod | 24 Dhelimarg Sar 3 |
| 9 Kotori Sar | 25 Dhelimarg Sar 1 |
| 10 Bhagsar Gali Sar | 26 Dhelimarg Sar 2 |
| 11 Dhaklar Sar Bod | 27 Chhatapani Ko Nezo Sar |
| 12 Rupri Gali Sar | 28 Nabapir Pass Sar |
| 13 Gumsar Shipkor Sar | 29 Madhani Ko Nezo Sar |
| 14 Lashkor Nag | 30 Dubjan Sar |
| 15 Siknag | 31 Budil Pass Sar |
- Ponds**
- 1 Baghsangerwani
 - 2 Bohrihallan Shopian
 - 3 PatiToolihallan
 - 4 Tang MohallaNagbal



WETLANDS (LAKES & PONDS) WITHIN SHOPIAN FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
 Department of Ecology, Environment & Remote Sensing
 J & K Government,
 SDA Colony Bemina Srinagar Kashmir - 190018
 Paryavaran Bhawan Transport Nagar Gladni Jammu - 180006

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 Forest Complex, Sheikh Bagh,
 Near Lal Chowk, Srinagar, J&K - 190001
 Van Bhawan, Near Gumat, Jammu, J&K - 180001

KAMRAJ FOREST DIVISION

1. Quick Info

Latitude	34°14'39.345"N to 34°48'21.545"N
Longitude	74°11'47.41"E to 74°31'17.826"E
Area	1175.26 Sq. kms
Altitude	1503 to 4059m
Source	Working Plan of Kamraj Forest Division

3. Climate:

The area has temperate climate experiencing four distinct seasons viz. Spring, Summer, Autumn and winter.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	<i>Cedrus deodara, Abies pindrow, Abies spectabilis, Pinus wallichina</i>
Broad Leaved	<i>Picea smithiana, Aesculus indica, Juglans regia, Acer caesium, Prunus padus, Texas baccata.</i>

5. Drainage and Hydro Morphology

Scarcity of water is experienced throughout the summer. A number of perennial springs such as Sadhu, Ganaga, Chadigam, Shumrial and Himili are seen in the landscape.

6. Waterbodies:

A total of 8 waterbodies have been mapped in the division, with 5 lakes and 3 ponds. The Ponds have been mapped as point feature due to their very small size.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Kupwara	2	1.22	0	-
2	North Lolab	0	0	0	-
3	South Lolab	3	3.58	0	-
4	Kandi	0	0	2	-
5	Matchil	0	0	1	-
	Total	5	4.80	3	-

Table: Waterbodies/Ponds of Pirpanjal Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Gagal Sar	0101014310070050	Kupwara	011/K	Kandi	Kandi	0.470041	34° 27' 32.046" N	74° 21' 13.890" E
2	Maidan Pora Sar	0101014315050051	Kupwara	017/K	Kandi	Sadugang	0.752383	34° 27' 5.292" N	74° 20' 36.946" E
3	Pal Nar Sar	101014310070007	South Lolab	019/SL	Sogam	Sogam	1.479981	34° 29' 16.590" N	74° 22' 24.531" E
4	Tank / Reservoir	101024310070080	South Lolab	016a/SL	Sogam	Gumgbug	0.469531	34° 31' 20.989" N	74° 22' 44.840" E
5	Tank / Reservoir	101024310070080	South Lolab	034a/SL	Dourse	Anderbugh	1.632315	34° 26' 32.585" N	74° 26' 57.801" E

6	Trag Imberzal-ware Pond	108324310070003	Kandi	024/K	Emberzal-wari	Emberzal-wari I	0.065329	34° 22' 52.099" N	74° 25' 22.350" E
7	Zaloor pond II	108324310070032	Kandi	023/K	Harwan	Vodhpora	NA	34° 25' 14.400" N	74° 22' 55.400" E
8	Charri Thayan Gojran (Pond)	101014310050096	Matchil	2	Matchil-I	Matchi	NA	34° 47' 45.568" N	74° 23' 52.206" E

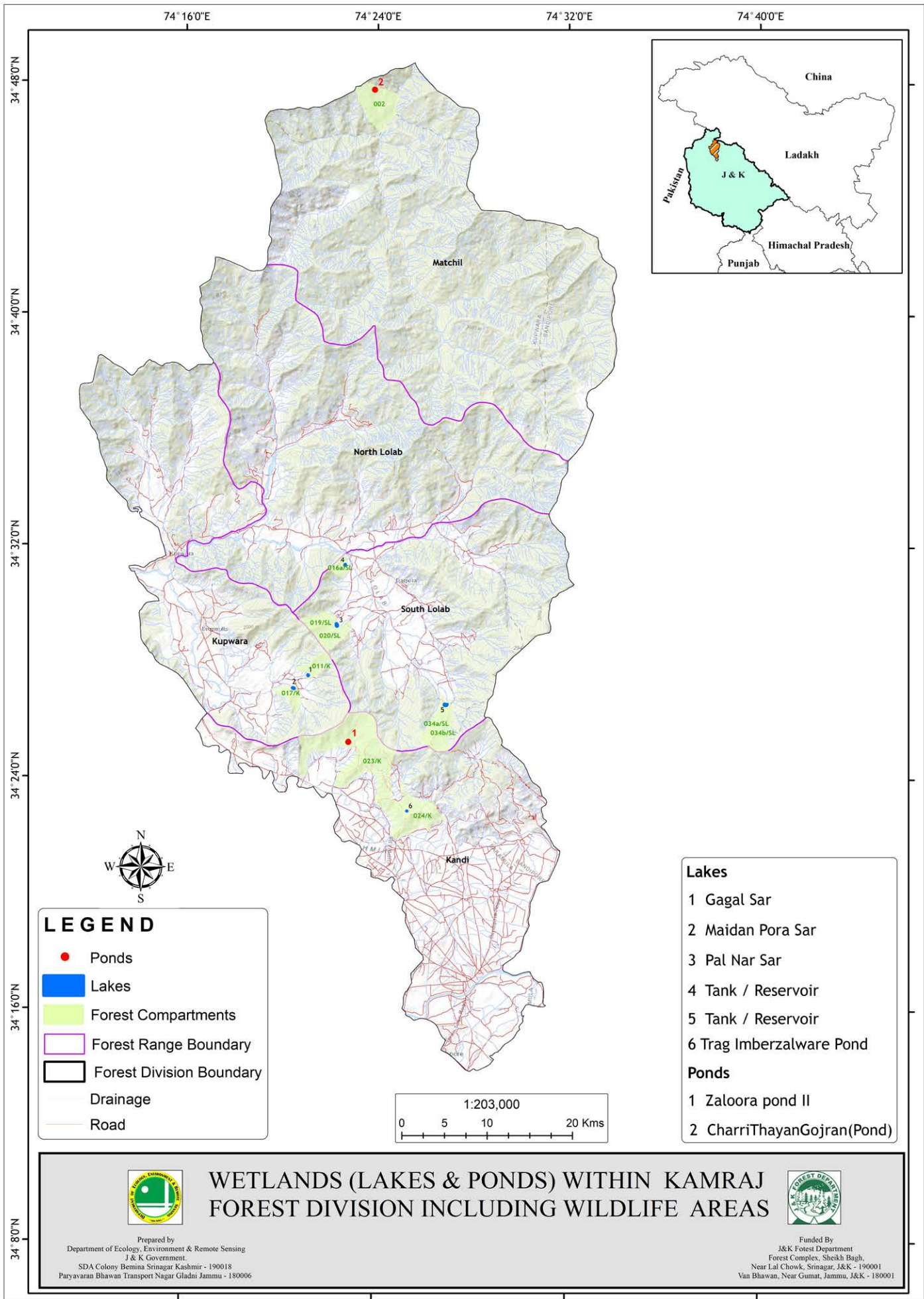
Satellite Images 2020 (Google Earth)



Gagalsar



Pal Nar Sar



LANGATE FOREST DIVISION

1. Quick Info

Latitude	34°13'40.749"N to 34°29'18.231"N
Longitude	74°11'47.41"E to 74°31'17.826"E
Area	704.04sqkms
Altitude	1506 to 4247m
Source	Working Plan of Langate Forest Division

2. Territorial Ranges:

Name of Range	Area (Sq. Km)
Mawar	273.03
Rajwar	151.71
Rafiabad	208.48
Magam	70.82
Total Area	704.04

3. Climate:

The tract comprises of mostly hilly terrain and remains snow bound during the winter.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	Abies Pindrow, Cedrus deodara, Pinus wallichiana.
Alpines	Betula utilis, Salix elegans, Sussurea lappa, Dioscoria species, Aconitum heterophyllum, Jurinea macrophylla, Podophyllum spp, Corrydalis spp.

5. Drainage and Hydro Morphology

The tract is traversed by numerous Nallas which drain into Pohru River running along its eastern boundary. The Nallas and their tributaries have their origin mostly from almost perpetually snow covered Kazi-Nag and Shamasbari Range forming perennial sources of water.

6. Waterbodies:

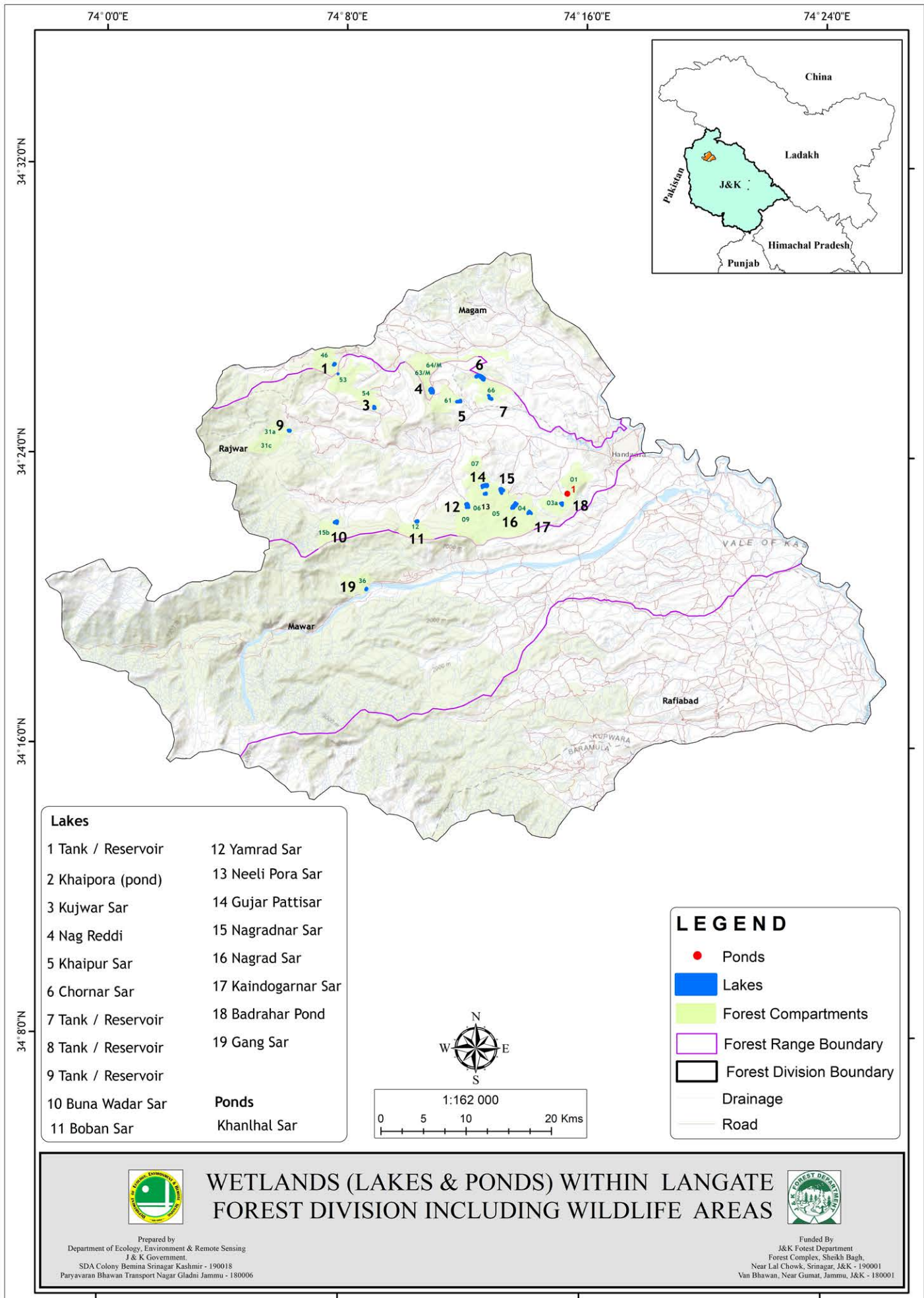
A total of 20 waterbodies have been mapped in the division with 17 Lakes/wetlands and 3 ponds have been mapped as point feature due to their very small size.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Mawar	1	0.38	0	-
2	Rajwar	14	223.20	3	-
3	Rafiabad	0	0	0	-
4	Magam	2	4.22	0	-
	Total	17	227.80	3	-

Table: Waterbodies/Ponds of Pirpanjal Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Tank / Reservoir	101024310070080	Magam	46	Kakrossa	Hangikote	0.65	34° 26' 29.464" N	74° 7' 39.091" E
2	Khaipora (pond)	101024310030003	Rajwar	53	Khaipora	Sarmarg	0.02	34° 26' 13.463" N	74° 7' 46.621" E
3	Kujwar Sar	101024310030110	Rajwar	54	Khaipora	Sarmarg	0.81	34° 25' 18.295" N	74° 8' 59.706" E
4	Nag Reddi	101024310030044	Magam	64/M	Bekhi-Hakar	Bekhi-Hakar	3.58	34° 25' 46.942" N	74° 10' 53.800" E
5	Khaipur Sar	101024310030045	Rajwar	61	Khaipora	Khaipora	1.12	34° 25' 29.895" N	74° 11' 48.772" E

6	Chornar Sar	101024310030043	Rajwar	66	Khaipora	Dodipora	4.68	34° 26' 9.627" N	74° 12' 31.298" E
7	Tank / Reservoir	101024310070065	Rajwar	66	Khaipora	Dodipora	0.74	34° 25' 36.005" N	74° 12' 51.221" E
8	Tank / Reservoir	101024310070078	Rajwar	31a	Behnipora	Satkuji	0.69	34° 24' 38.725" N	74° 6' 9.992" E
9	Tank / Reservoir	101024310070080	Rajwar	31c	Behnipora	Satkuji	0.69	34° 24' 38.725" N	74° 6' 9.992" E
10	Buna Wadar Sar	101024310030057	Rajwar	15b	Wader	Wader	1.84	34° 22' 8.044" N	74° 7' 45.053" E
11	Boban Sar	101024310030055	Rajwar	12	Wader	Bawan	0.81	34° 22' 10.361" N	74° 10' 26.615" E
12	Yamrad Sar	101024310030052	Rajwar	9	Wader	Bawan	2.39	34° 22' 37.355" N	74° 12' 6.833" E
13	Neeli Pora Sar	105194311100010	Rajwar	6	Baderkal	Baderkal	0.62	34° 22' 57.145" N	74° 12' 42.946" E
14	Gujar Pattisar	101024310030049	Rajwar	7	Baderkal	Zachaldara	2.92	34° 23' 10.135" N	74° 12' 41.597" E
15	Nagradnar Sar	101024310030050	Rajwar	5	Baderkal	Baderkal	1.54	34° 23' 2.553" N	74° 13' 15.218" E
16	Nagrad Sar	101024310030053	Rajwar	5	Baderkal	Baderkal	3.24	34° 22' 38.020" N	74° 13' 41.044" E
17	Kaindogarnar Sar	101024310030054	Rajwar	4	Handwara	Handwara II	1.12	34° 22' 26.746" N	74° 14' 11.336" E
18	Badrahar Pond	101024310030088	Rajwar	03a	Handwara	Handwara II	0.85	34° 22' 41.101" N	74° 15' 15.208" E
19	Gang Sar	101024310030058	Mawar	36	Nowgam	Lawoosa	0.38	34° 20' 17.619" N	74° 8' 46.734" E
20	Khanlhal Sar	101024310070108	Rajwar	1	Handwara	Handwara I	NA	34° 22' 57.800" N	74° 15' 26.900" E



BANDIPORA FOREST DIVISION

1. Quick Info

Latitude	33°22'23.128"N To 33°56'23.15"N.
Longitude	75°4'24.399"E to 75°31'41.07"E
Area	2902.76.sq.kms
Altitude:	1469 to 5185m
Source	Working plan of Bandipora Forest Division

2. Territorial Ranges:

Name of Range	Area (Sq. Km)
Ajas	222.52
Gurez	1850.91
Kuihama	528.94
Ningli	300.39
Total Area	2902.76.sq.kms

3. Climate:

The area has temperate climate experiencing four distinct seasons viz. Spring, Summer, Autumn and winter.

4. Major Plant Species:

Himalyan Dry Temperate Forests comprising mainly of mixed Conifers in lower reaches and by Alpine Scrubs in upper Reaches

Type	Major Species
Conifers	<i>Abies pindrow</i> , <i>Picea Simthaina</i> , <i>Pinus Wallichiana</i> , <i>Cedrus Deodara</i>
Broad Leaved	<i>Aesculus indica</i> , <i>Celtis australis</i> , <i>Prunus padus</i> , <i>Acer pictum</i> , <i>Fraxinus excelsior</i> , <i>Robinia pseudoacacia</i> , <i>Juglans regia</i> , <i>Populus spp.</i> , <i>Salix spp.</i>
Shrubs & Herbs	<i>Parratiopsis jacquemontianna</i> , <i>Berberis lycium</i> , <i>Viburunum grandiflour</i> , <i>Rosa spp</i> , <i>Junipercommunis</i> , <i>Aster spp</i> , <i>Sassurea lappa</i> , <i>Aconitum heterophyllum</i> , <i>Podophyllum emodi</i> , <i>Artemisia spp.</i> , <i>Rumex patientia</i> , <i>Iris spp</i> , <i>Taraxacum officianale</i> , <i>Fritillaria spp.</i>

5. Drainage and Hydro Morphology

The area is drained by a number of streams and Nallahs the major rivers passing through the division is Madhumati, Kishanganga and Erin Nallah.

6. Waterbodies:

A total of 20 waterbodies have been mapped in the division with 17 Lakes/wetlands and 3 ponds have been mapped as point feature due to their very small size.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Ajas	6	50.63	1	-
2	Gurez	68	357.73	1	-
3	Kuihama	13	13445.08	1	-
4	Ningli	25	701.82	1	-
	Total	112	14555.26	4	-

Table: Waterbodies/Ponds of Bandipor Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Hanti Sar	109404310100081	Gurez	029/KG	Buduab	Buglingder	0.78	34° 37' 3.767" N	74° 36' 14.330" E
2	Shalput Sar	109404310100080	Gurez	39/KG	NA	NA	4.91	34° 37' 12.619" N	74° 37' 3.867" E
3	Gosai Sar	109404310100003	Gurez	46/KG	Kanzalwan	Kanzalwan	0.24	34° 35' 52.967" N	74° 39' 47.794" E

4	Handmagar Sar 1	109404310140004	Gurez	053/KG	Dawar	Badwan	7.49	34° 35' 49.892" N	74° 44' 13.997" E
5	Viji Gali Sar	109414310150085	Gurez	053/KG	Dawar	Badwan	2.76	34° 34' 36.920" N	74° 43' 49.484" E
6	Kaul Sar	109404310140006	Gurez	053/KG	Dawar	Badwan	9.65	34° 33' 50.549" N	74° 45' 33.947" E
7	Kisar Sar 1	109404310140007	Gurez	057/KG	Dawar	Dawar	4.43	34° 33' 40.071" N	74° 46' 31.928" E
8	Nablar Sar	109404310140012	Khuihama	086a/Kh	Bankote	Yali & Athwato	1.66	34° 31' 47.580" N	74° 48' 8.938" E
9	Bod Patalwan Sar	109404310140008	Gurez	001/T	Dawar	Dawar	32.49	34° 32' 51.668" N	74° 49' 9.879" E
10	Patalwan Sar	109404310140010	Gurez	001/T	Dawar	Dawar	31	34° 32' 12.366" N	74° 49' 39.556" E
11	Lokut Patalwan Sar	109404310140011	Gurez	001/T	Dawar	Dawar	6.02	34° 31' 57.227" N	74° 50' 22.038" E
12	Mianmarg Sar 1	109404310140013	Gurez	003/T	Dawar	Dawar	3.42	34° 31' 33.306" N	74° 51' 34.899" E
13	Gagar Sar	109414310150014	Khuihama	089/Kh	Pannar	Pannar & Branar	5.07	34° 29' 31.777" N	74° 53' 21.471" E
14	Nichnai Sar	109414310150015	Khuihama	089/Kh	Pannar	Pannar & Branar	12.31	34° 29' 20.162" N	74° 54' 21.561" E
15	Madmatti Sar Lokut	109414310150086	Khuihama	089/Kh	Pannar	Pannar & Branar	5.2	34° 29' 7.344" N	74° 54' 49.146" E
16	Madmatti Sar Bod	109414310150017	Khuihama	089/Kh	Pannar	Pannar & Branar	39.12	34° 29' 33.155" N	74° 55' 17.740" E
17	Nilnai Sar	109414310150018	Gurez	007/T	Budugah	Burnai	0.69	34° 29' 43.290" N	74° 56' 17.580" E
18	Bod Chiti Chhamri Sar	109414310150019	Khuihama	089/Kh	Pannar	Pannar & Branar	10.82	34° 28' 10.352" N	74° 54' 44.889" E
19	Lokut Chiti Chhamri Sar	109414310150020	Khuihama	089/Kh	Pannar	Pannar & Branar	5.79	34° 28' 3.122" N	74° 55' 27.655" E
20	Shonshpahal Sar 1	109414310150087	Khuihama	089/Kh	Pannar	Pannar & Branar	0.83	34° 27' 12.487" N	74° 54' 16.462" E
21	Salnai Sar	109414310150022	Khuihama	089/Kh	Pannar	Pannar & Branar	35.2	34° 26' 40.177" N	74° 53' 29.868" E
22	Yamai Sar	109414310150074	Khuihama	092/Kh	Pannar	Pannar & Branar	2.31	34° 26' 58.605" N	74° 48' 53.685" E
23	Lokut Chhitrar Sar	109414310150024	Ajas	129	Kudara	Kudara & Serender	1.2	34° 25' 43.548" N	74° 52' 16.552" E
24	Suka Sar	109414310150023	Ajas	129	Kudara	Kudara & Serender	6.95	34° 25' 26.828" N	74° 52' 20.120" E
25	Zad Sar	109414310150027	Ajas	129	Kudara	Kudara & Serender	2.6	34° 22' 2.275" N	74° 50' 56.018" E
26	Sarbal Sar	118695203020068	Ajas	129	Kudara	Kudara & Serender	27.19	34° 23' 32.638" N	74° 52' 24.506" E
27	Shira Sar	109414310150026	Ajas	129	Kudara	Kudara & Serender	2.17	34° 23' 37.030" N	74° 53' 7.870" E
28	Watal Sar 3	109414310150088	Gurez	010/T	Budugah	Burnai	2.66	34° 27' 20.362" N	74° 58' 4.383" E
29	Watal Sar 2	109414310150089	Gurez	010/T	Budugah	Burnai	3.42	34° 27' 8.419" N	74° 58' 32.334" E
30	Watal Sar 1	109404310150030	Gurez	010/T	Budugah	Burnai	13.7	34° 27' 25.228" N	74° 59' 7.109" E
31	Satsar 1	109404314030031	Gurez	010/T	Budugah	Burnai	5.82	34° 26' 58.242" N	74° 59' 58.833" E
32	Satsar 5	109414314030097	Gurez	010/T	Budugah	Burnai	5.75	34° 26' 29.992" N	75° 0' 46.772" E
33	Karunpathri Sar 2	019404310150082	Gurez	009/T	Budugah	Burnai	2.96	34° 28' 3.664" N	74° 57' 17.579" E

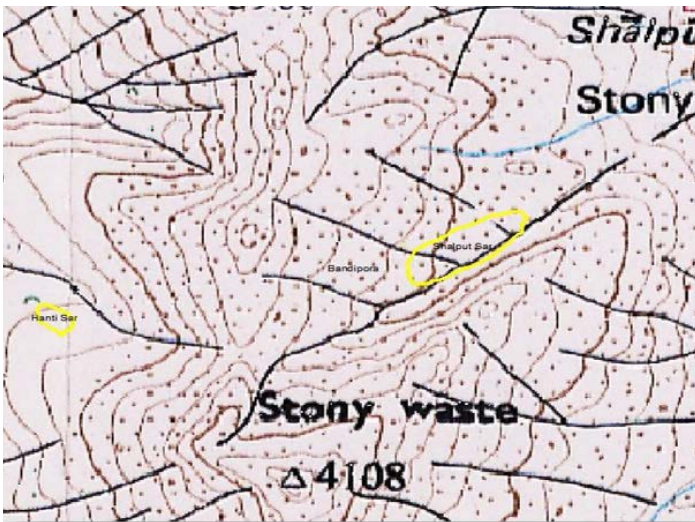
34	Nagmulla Chewa	109404310150002	Gurez	009/T	Budugah	Burnai	1.55	34° 28' 19.361" N	74° 57' 30.271" E
35	Karunpathri Sar 1	109404310150028	Gurez	009/T	Budugah	Burnai	4.62	34° 28' 8.595" N	74° 57' 50.190" E
36	Gad Sar Lokut	109404314030032	Gurez	011/T	Budugah	Burnai	1.58	34° 26' 49.157" N	75° 2' 14.359" E
37	Gad Sar Bod	109404314030033	Gurez	011/T	Budugah	Burnai	39.03	34° 25' 18.299" N	75° 3' 27.655" E
38	Unnamed Lake/ Glacial Lake	109404310140067	Gurez	011/T	Budugah	Burnai	2.76	34° 24' 46.398" N	75° 4' 21.400" E
39	Unnamed Lake / Glacial Lake	109404310140068	Gurez	011/T	Budugah	Burnai	2.21	34° 24' 23.765" N	75° 5' 11.513" E
40	Krishan Sar 1	109404314030035	Gurez	024/T	Buduab	Buduab	30.57	34° 23' 48.205" N	75° 6' 9.126" E
41	Krishan Sar 2	109414314030098	Gurez	024/T	Buduab	Buduab	5.73	34° 23' 36.260" N	75° 5' 46.281" E
42	Vishan Sar 1	109404314030036	Gurez	024/T	Buduab	Buduab	47.54	34° 23' 15.538" N	75° 7' 5.956" E
43	Vishan Sar 2	109414314030099	Gurez	024/T	Buduab	Buduab	4.28	34° 22' 51.002" N	75° 6' 6.953" E
44	Hiram Pathri Sar 1	109404314030038	Gurez	024/T	Buduab	Buduab	0.67	34° 22' 3.383" N	75° 7' 46.204" E
45	Lokut Hiram Pathri Lake	109414314030100	Gurez	024/T	Buduab	Buduab	1.9	34° 21' 45.644" N	75° 8' 3.198" E
46	Bod Hiram Pathri Lake	109404314030039	Gurez	024/T	Buduab	Buduab	9.95	34° 21' 37.222" N	75° 8' 21.718" E
47	Lokut Baib Nar Sar	109404314030040	Gurez	024/T	Buduab	Buduab	1.15	34° 22' 3.023" N	75° 10' 48.223" E
48	Baib Nar Sar	109404314030063	Gurez	024/T	Buduab	Buduab	0.71	34° 25' 6.557" N	75° 12' 5.315" E
49	Kaobal Sar	109414314070079	Gurez	029/T	Buduab	Buglingder	4.78	34° 28' 9.019" N	75° 20' 58.096" E
50	Karu Sar	109404314020002	Gurez	037/T	Budugah	Budogam	7.2	34° 37' 17.673" N	75° 8' 47.477" E
51	Raman Chhish Sar	109404314030034	Gurez	012/T	Budugah	Burnai	1.51	34° 27' 33.794" N	75° 5' 57.624" E
52	Kanipur Sar	109424310120075	Ningli	Plantation	Plantation	Plantation	0.86	34° 14' 52.349" N	74° 34' 42.094" E
53	Khomina Nambal	109424310110065	Ningli	Plantation	Plantation	Plantation	18.62	34° 15' 56.142" N	74° 35' 37.642" E
54	Chak Sudarkut Bala	109424310110046	Ningli	Plantation	Plantation	Plantation	15.37	34° 18' 33.702" N	74° 38' 50.054" E
55	Malpur Nambal	121794312130065	Ningli	Plantation	Plantation	Plantation	23.27	34° 18' 54.991" N	74° 39' 52.452" E
56	Chanpaz Mahal Nambal	109424310110049	Ningli	Plantation	Plantation	Plantation	14.36	34° 19' 45.021" N	74° 39' 46.180" E
57	Sadunara Hastikhan Nambal	109424310110048	Ningli	Plantation	Plantation	Plantation	24.14	34° 19' 47.243" N	74° 38' 45.795" E
58	Naz Nambal	109424310110047	Ningli	Plantation	Plantation	Plantation	6.89	34° 20' 34.389" N	74° 39' 27.776" E
59	Chiranpur Nambal 1	109424310110123	Ningli	Plantation	Plantation	Plantation	6.38	34° 21' 1.733" N	74° 36' 48.746" E
60	Mukhdumyari Nambal	109424310110043	Ningli	Plantation	Plantation	Plantation	27.02	34° 20' 36.008" N	74° 36' 1.295" E
61	Prang Nambal	109424310110124	Ningli	Plantation	Plantation	Plantation	8.92	34° 18' 59.278" N	74° 38' 12.638" E

62	Garikhan Nambal	109424310110044	Ningli	Plantation	Plantation	Plantation	2.84	34° 19' 17.794" N	74° 36' 38.142" E
63	Naidkhai Nambal	109424310110057	Ningli	Plantation	Plantation	Plantation	43.51	34° 15' 36.427" N	74° 33' 50.083" E
64	Poshwari Nambal	109424310110056	Ningli	Plantation	Plantation	Plantation	1.5	34° 15' 19.387" N	74° 35' 1.206" E
65	Tundpur Nambal	109424310110066	Ningli	Plantation	Plantation	Plantation	11.92	34° 16' 55.069" N	74° 36' 42.513" E
66	Chandargar Nambal	109424310110051	Ningli	Plantation	Plantation	Plantation	9.85	34° 17' 23.655" N	74° 38' 35.758" E
67	Batagund Nambal	109424310110045	Ningli	Plantation	Plantation	Plantation	4.69	34° 18' 50.303" N	74° 37' 25.658" E
68	Rakh-i-Malgom	109424310110052	Ningli	Plantation	Plantation	Plantation	186.87	34° 16' 28.935" N	74° 39' 18.092" E
69	Ghulam Sar 4	109404314020116	Gurez	037/T	Budugah	Budogam	4.09	34° 39' 12.131" N	75° 10' 31.475" E
70	Ghulam Sar 3	109404314020117	Gurez	037/T	Budugah	Budogam	10.17	34° 38' 45.555" N	75° 10' 38.081" E
71	Chirangpur Nambal 2	109424310110125	Ningli	Plantation	Plantation	Plantation	14.56	34° 21' 17.849" N	74° 36' 38.391" E
72	Nambal	109424310110126	Ningli	Plantation	Plantation	Plantation	7.78	34° 20' 35.284" N	74° 37' 23.900" E
73	Chirangpur Nambal 3	109424310110127	Ningli	Plantation	Plantation	Plantation	11.43	34° 20' 44.697" N	74° 36' 45.797" E
74	Zinipora Nambal	109424310110053	Ningli	Plantation	Plantation	Plantation	36.89	34° 15' 40.216" N	74° 38' 21.903" E
75	Satsar 2	109424310110095	Gurez	010/T	Budugah	Burnai	0.76	34° 26' 37.667" N	74° 59' 50.868" E
76	Handmargar Sar 2	109404310100131	Gurez	053/KG	Dawar	Badwan	4.5	34° 35' 46.238" N	74° 44' 0.460" E
77	Handmargar Sar 3	109404310100132	Gurez	053/KG	Dawar	Badwan	1.45	34° 35' 33.863" N	74° 43' 56.118" E
78	Kisar Sar 2	109404310140133	Gurez	057/KG	Dawar	Dawar	5.02	34° 33' 53.981" N	74° 47' 33.679" E
79	Kisar Sar 3	109404310140134	Gurez	057/KG	Dawar	Dawar	1.51	34° 33' 23.574" N	74° 47' 29.695" E
80	Kisar Sar 4	109404310140135	Gurez	057/KG	Dawar	Dawar	0.72	34° 33' 15.923" N	74° 47' 49.601" E
81	Kisar Sar 5	109404310140136	Gurez	057/KG	Dawar	Dawar	0.05	34° 34' 41.131" N	74° 48' 10.378" E
82	Mainmarg Sar 2	109404310140137	Gurez	001/T	Dawar	Dawar	0.5	34° 31' 32.855" N	74° 50' 25.222" E
83	Mianmarg Sar 3	109404310140138	Gurez	001/T	Dawar	Dawar	0.75	34° 31' 53.314" N	74° 50' 57.547" E
84	Chhamar Sar	109414310150092	Ajas	129	Kudara	Kudara & Serender	10.52	34° 22' 46.951" N	74° 52' 32.851" E
85	Watal Sar 4	109414310150093	Gurez	010/T	Budugah	Burnai	0.28	34° 27' 35.665" N	74° 58' 31.121" E
86	Karunpathri Sar 3	109414310150094	Gurez	009/T	Budugah	Burnai	0.32	34° 27' 59.658" N	74° 57' 37.988" E
87	Karunpathri Sar 4	109414310150095	Gurez	009/T	Budugah	Burnai	0.3	34° 28' 38.804" N	74° 57' 53.270" E
88	High Alt Lake 1	109404314030111	Gurez	011/T	Budugah	Burnai	2.4	34° 25' 21.122" N	75° 2' 7.386" E
89	High Alt Lake 2	109404314030112	Gurez	011/T	Budugah	Burnai	1.37	34° 25' 38.623" N	75° 2' 10.611" E
90	High Alt Lake 3	109404314030113	Gurez	011/T	Budugah	Burnai	0.94	34° 25' 35.284" N	75° 2' 19.691" E
91	High Alt Lake 4	109404314030114	Gurez	011/T	Budugah	Burnai	0.55	34° 25' 31.556" N	75° 2' 15.839" E

92	High Alt Lake 5	109404314030115	Gurez	011/T	Budugah	Burnai	0.13	34° 25' 29.489" N	75° 2' 12.102" E
93	High Alt Lake	109404314020118	Gurez	037/T	Budugah	Budogam	3.35	34° 38' 25.695" N	75° 11' 28.955" E
94	High Alt Lake	109404314020119	Gurez	037/T	Budugah	Budogam	0.81	34° 38' 0.008" N	75° 11' 6.552" E
95	High Alt Lake	109404314020120	Gurez	037/T	Budugah	Budogam	1.3	34° 38' 40.013" N	75° 8' 49.602" E
96	High Alt Lake	109404314020121	Gurez	037/T	Budugah	Budogam	0.86	34° 38' 58.290" N	75° 8' 41.952" E
97	Patalwan Sar 2	109414310140139	Gurez	001/T	Dawar	Dawar	0.9	34° 33' 33.553" N	74° 49' 42.899" E
98	Patalwan Sar 3	109414310140140	Gurez	001/T	Dawar	Dawar	0.82	34° 33' 34.205" N	74° 50' 3.996" E
99	Patalwan Sar 4	109414310140141	Gurez	001/T	Dawar	Dawar	2.37	34° 32' 47.375" N	74° 48' 17.375" E
100	Patalwan Sar 1	109414310140142	Gurez	001/T	Dawar	Dawar	0.79	34° 33' 47.175" N	74° 48' 54.848" E
101	Gagan Sar	109414310150014	Gurez	057/KG	Dawar	Dawar	0.65	34° 34' 38.693" N	74° 47' 42.752" E
102	Khandial Sar	109414310140143	Gurez	056/KG	Dawar	Badwan	1.34	34° 36' 58.176" N	74° 47' 53.904" E
103	Shonshpahal Sar 2	109414310150096	Khuihama	089/Kh	Pannar	Pannar & Branar	0.71	34° 27' 18.488" N	74° 54' 9.786" E
104	Jiji Sar	109404310100130	Khuihama	085c/Kh	Bankote	Yali & Athwato	0.71	34° 33' 43.817" N	74° 44' 57.847" E
105	High Alt Lake	109404314020122	Gurez	038/T	Budugah	Kalshai	0.97	34° 41' 17.755" N	75° 7' 42.755" E
106	High Alt lake	109404314020144	Gurez	038/T	Budugah	Kalshai	0.34	34° 41' 21.530" N	75° 7' 43.304" E
107	High Alt Lake	109404314020145	Gurez	038/T	Budugah	Kalshai	1.47	34° 43' 26.314" N	75° 5' 54.174" E
108	Malapur Sar 1	109424310110064	Ningli	Plantation	Plantation	Plantation	1.22	34° 18' 29.012" N	74° 39' 13.377" E
109	Malapur Sar 2	109424310110128	Ningli	Plantation	Plantation	Plantation	0.73	34° 18' 35.906" N	74° 39' 29.854" E
110	Paribal Sar	109424310110128	Ningli	Plantation	Plantation	Plantation	17.48	34° 18' 11.000" N	74° 37' 26.963" E
111	Malgoam Wetland Reserve	109424310110052	Ningli	Plantation	Plantation	Plantation	204.7	34° 17' 30.325" N	74° 39' 16.251" E
112	Wular Lake	109424310110041	Khuihama	Forest/KG	NA	NA	13325.35	34° 20' 41.569" N	74° 34' 18.116" E
113	Dangri	109414310150031	Khuihama	089/Kh	Pannar	Pannar & Branar	NA	34° 29' 5.210" N	74° 51' 7.610" E
114	Chewa sarl safapora	109424310110003	Ningli	Plantation	Plantation	Plantation	NA	34° 16' 51.410" N	74° 40' 1.960" E
115	Bos Hangnikote (Pond)	109414310150100	Ajas	129	Kudara	Kudara & Serender	NA	34° 26' 37.900" N	74° 52' 3.300" E
116	Falmarg Shuloora (Pond)	101014310090095	Gurez	021/KG	Buduab	Buduab	NA	34° 45' 41.410" N	74° 30' 9.520" E

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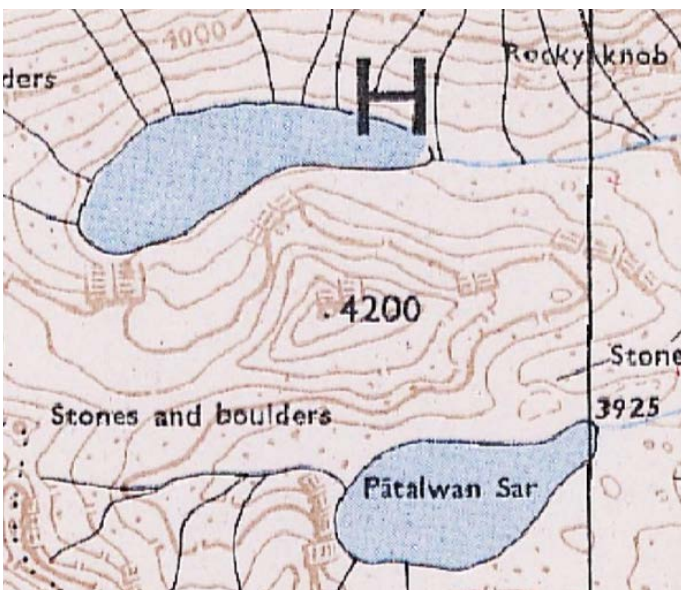
Satellite Images 2020 (Google Earth)



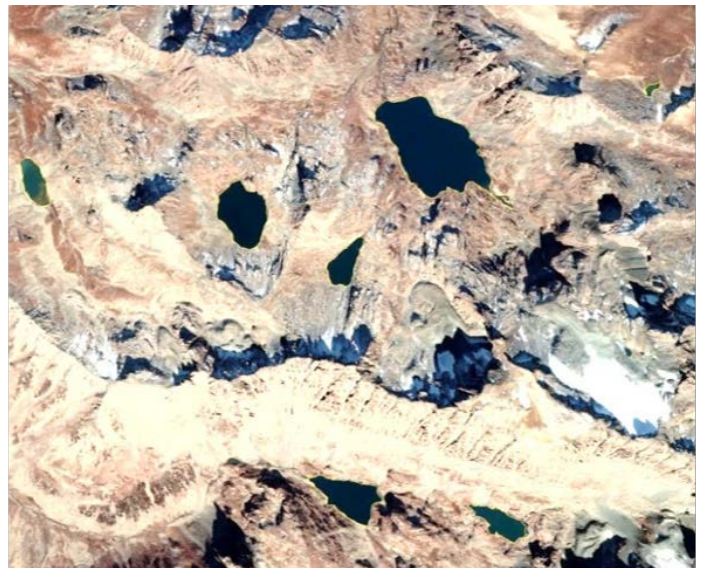
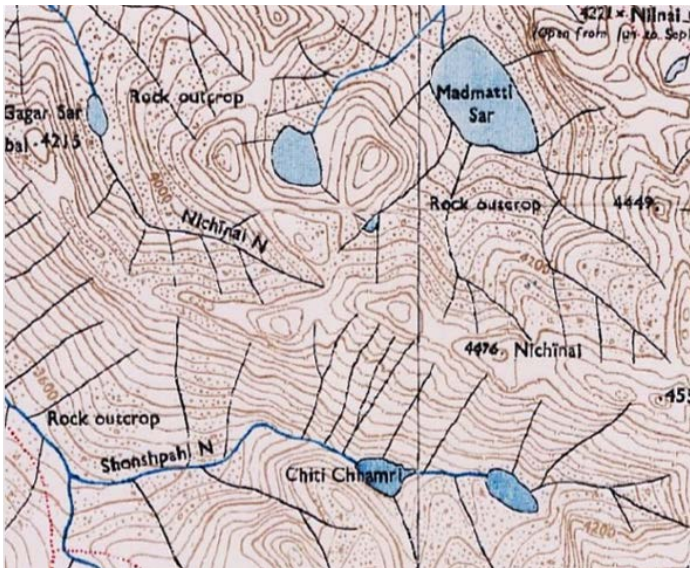
Hanti Sar, Shalput Sar



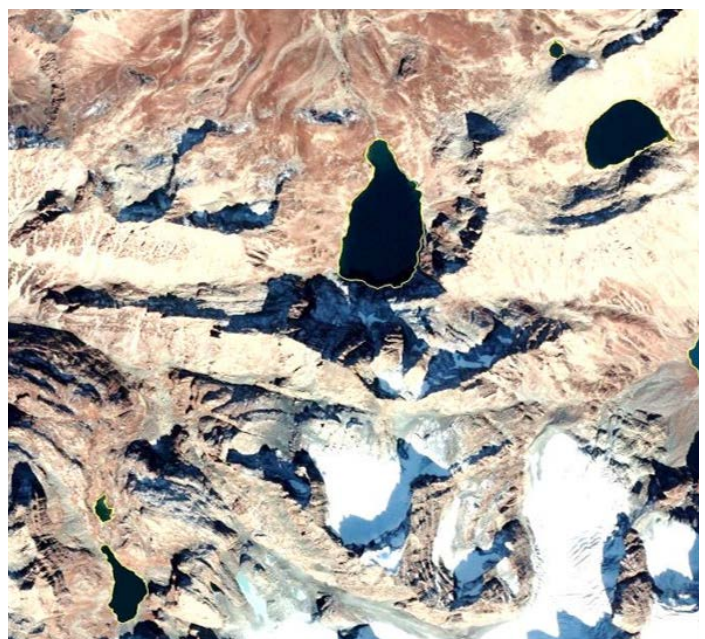
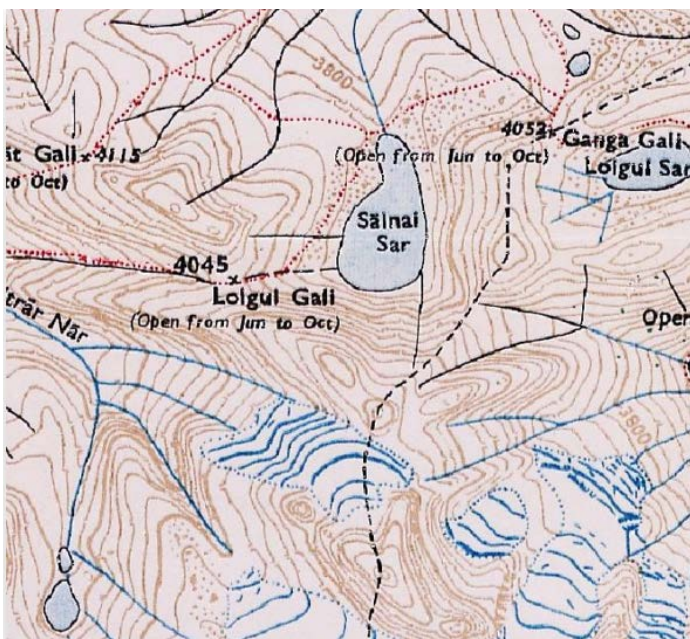
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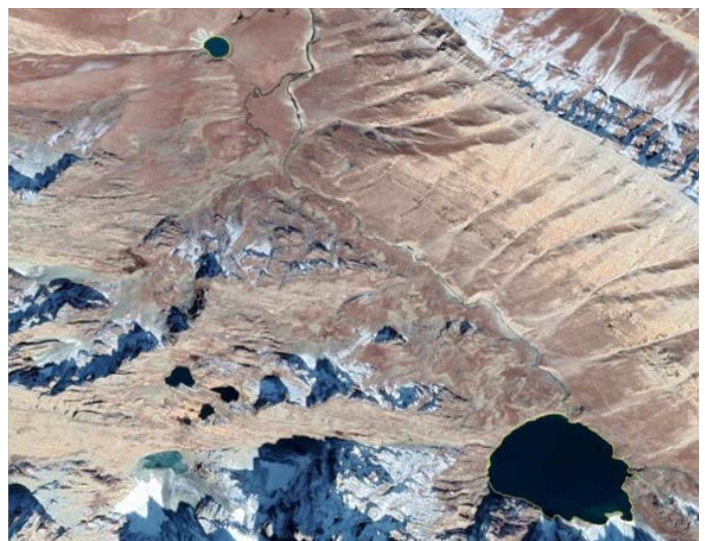
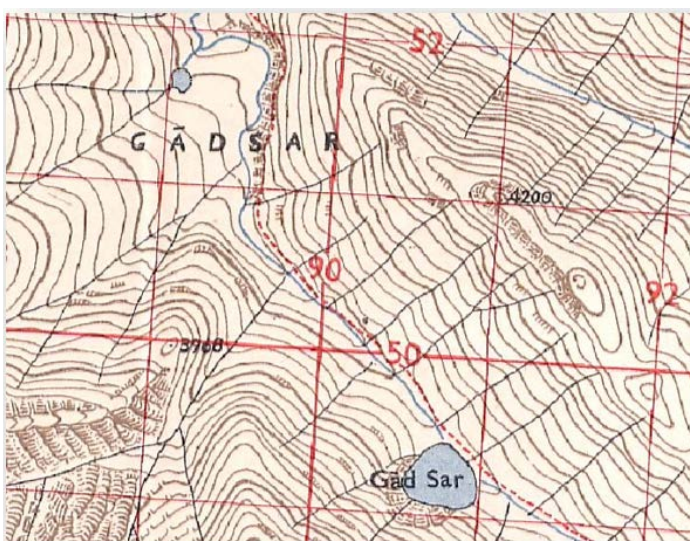
Patalwan Sar Bod, Lokut



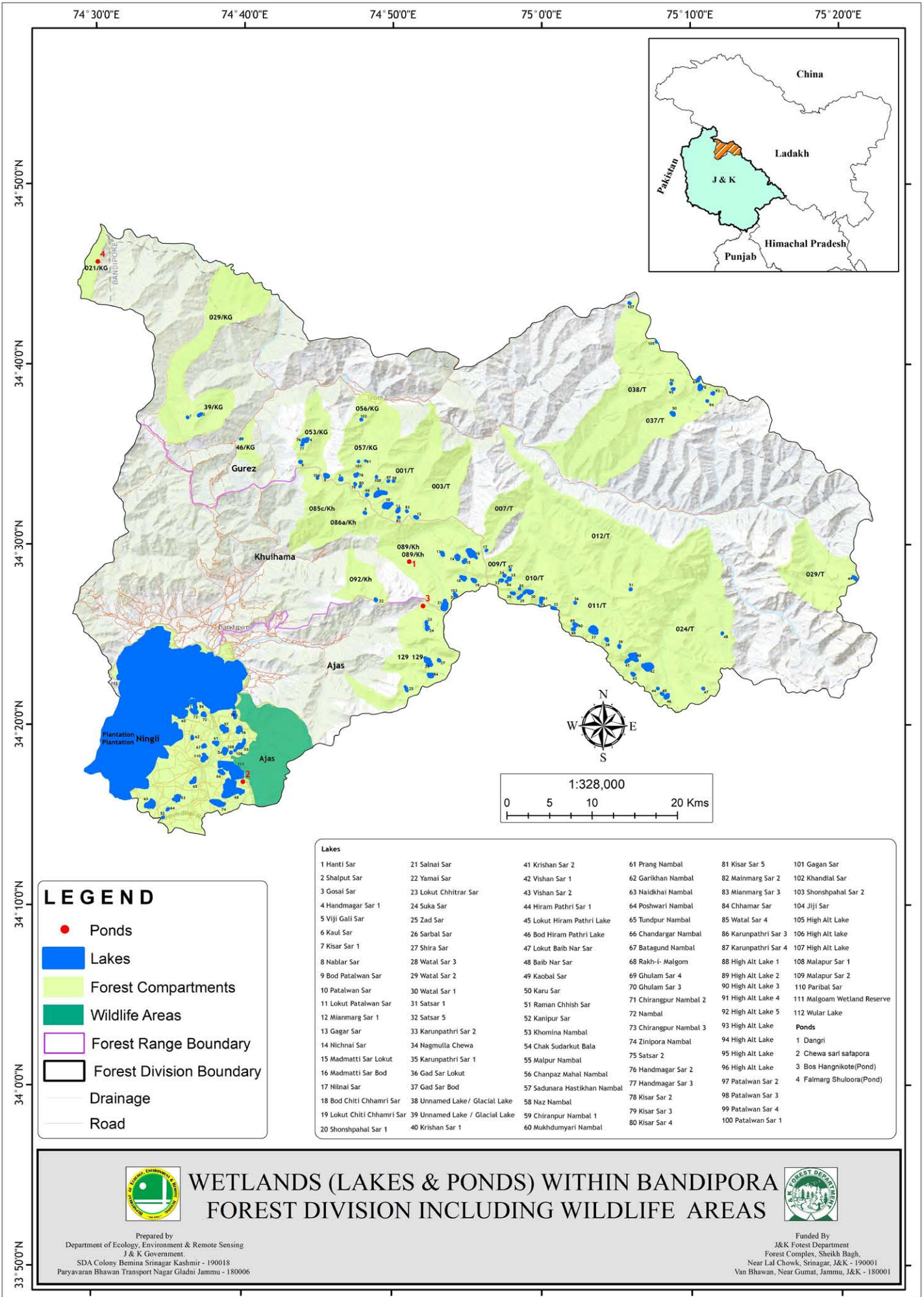
Madmatti Sar, Nichnai Sar, Gagrsar Citti Chamri Sar, Nilnai Sar, Lokut Sar



Sainai Sar, Shonshpah Sar, Suka Sar, Cittar Sar



Gad Sar Bod & Lokut



JHELUM VALLEY DIVISION

1. Quick Info

Latitude	33°22'23.128"N 33°56'23.15"N.
Longitude	75°4'24.399"E to 75°31'41.07"E
Area	987.324 Sq. kms
Altitude	1067 to 4337m
Source	Working Plan of Jhelum Valley Forest Division

3. Climate:

The area has temperate climate experiencing four distinct seasons viz. Spring, Summer, Autumn and winter.

4. Major Plant Species:

Himalyan Dry Temperate Forests comprising mainly of Mixed Conifers in lower reaches and by Alpine Scrubs in upper Reaches

Type	Major Species
Conifers	<i>Abies pindrow</i> , <i>Cedrus deodara</i> , <i>Pinus wallichiana</i> , <i>Picea smithiana</i>
Herbaceous Flora	<i>Primula macrophylla</i> , <i>Androsac spp.</i> , <i>Saxifraga spp.</i> , <i>Corydalis spp.</i> , <i>Aconitum spp.</i> , <i>Gentiana spp.</i> , <i>Aster laccidus</i> , <i>Thalictrum majus</i> , <i>Viola biflora</i> .

5. Drainage and Hydro Morphology

River Jhelum from Baramulla downwards divides the surrounding forests roughly into two equal halves. The tract is traversed by numerous nallas and streams such as Ferozepora nalla, Ningli nalla, Mundri nalla, Buniyar nalla, Lachhipora nalla, Uri nalla, Salamabad nalla, all draining into river Jehlum.

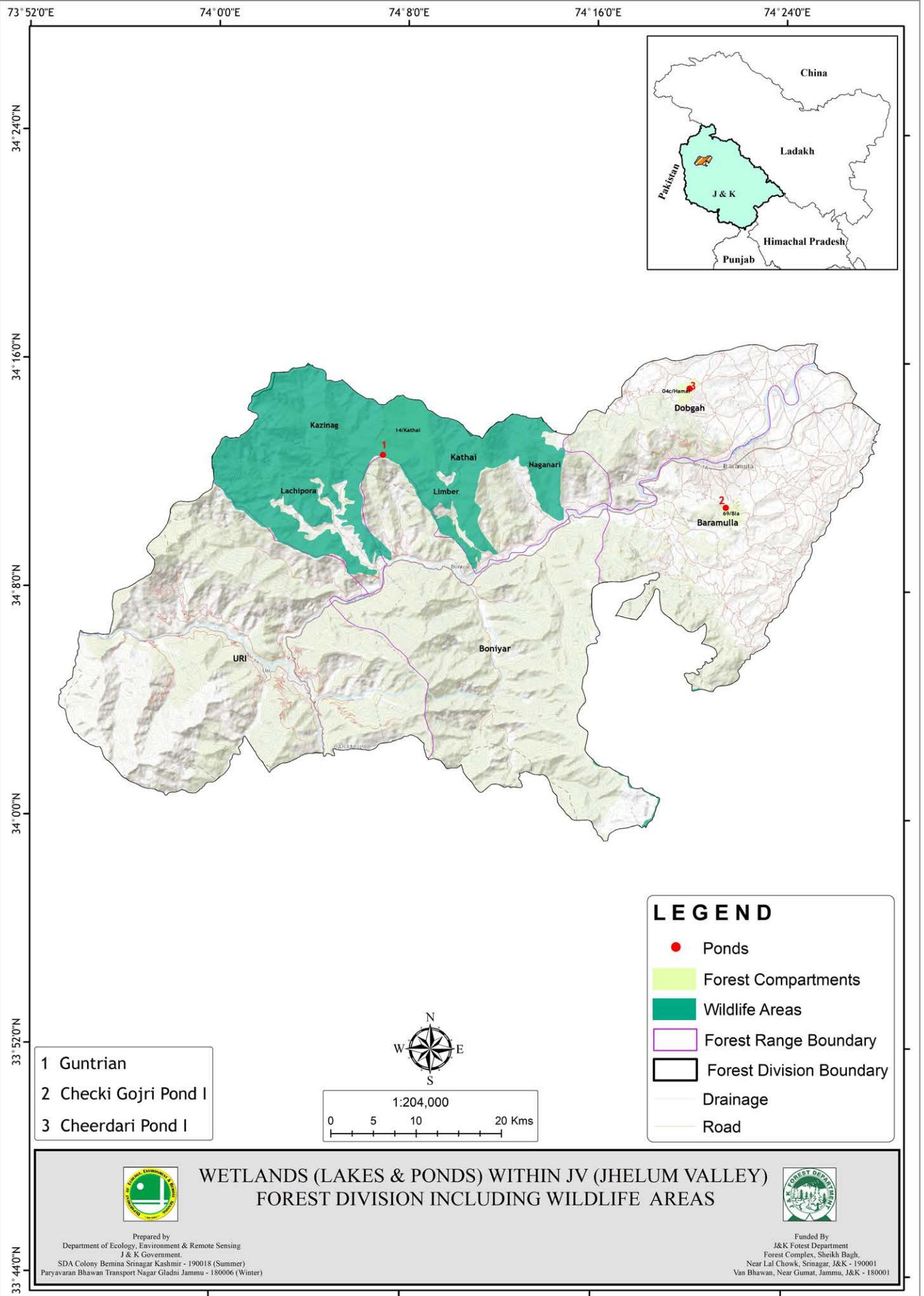
6. Waterbodies:

A total of three ponds one each in Baramulla, Dobagh and Kathai ranges have been mapped in this division, as point features.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Baramulla	-	-	1	-
2	Boniyar	-	-	-	-
3	Dobagh	-	-	1	-
4	Kathai	-	-	1	-
5	Uri	-	-	-	-
	Total	-	-	3	-

Table: Waterbodies/Ponds of Jhelum Valley Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Guntrian	108384310040032	Kathai	14/Kathai	Paranpilla	Zamboor Pattan	NA	34° 15' 5.470" N	74° 19' 57.770" E
2	Cheerdari Pond I	108354310080008	Baramulla	69/Bla	Ushkara	Ushkara	NA	34° 10' 55.470" N	74° 21' 31.430" E
3	Checki Gojri Pond I	108324310070030	Dobgah	04c/Hamal	Janbazpora	Shitloo I	NA	34° 12' 41.400" N	74° 7' 3.070" E



KEHMIL FOREST DIVISION

1. Quick Info

Latitude	34°20'27.868"N to 34°44'20.363"N
Longitude	73°51'0.914"E to 74°14'58.945"E
Area	1304.33sq kms
Average Altitude:	1038 to 4256m
Source	Working Plan of Kehmil Forest Division

2. Territorial Ranges:

Name of Range	Area (Sq. Km)
Keran	571.034
Karnah	222.928
Naihari	190.321
Ramhal	320.051
Total	1304.33sq kms

3. Climate:

The area has temperate climate experiencing four distinct seasons viz. Spring, Summer, Autumn and winter.

4. Major Plant Species:

Himalyan Dry Temperate Forests comprising mainly of Mixed Conifers in lower reaches and by Alpine Scrubs in upper Reaches

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana.</i>
Alpines	<i>Betula utilis, Salix spp</i>
Broad Leaved Trees	<i>Juglans regia, Aesculus indica, Acer caesium, Fraxinus floribunda, Parratiopsis jacquemontianna, Salix spp.</i>

5. Drainage and Hydro Morphology

The area is drained by Kehmil Nallah and Kishanganga river also traverses through the Forest Division.

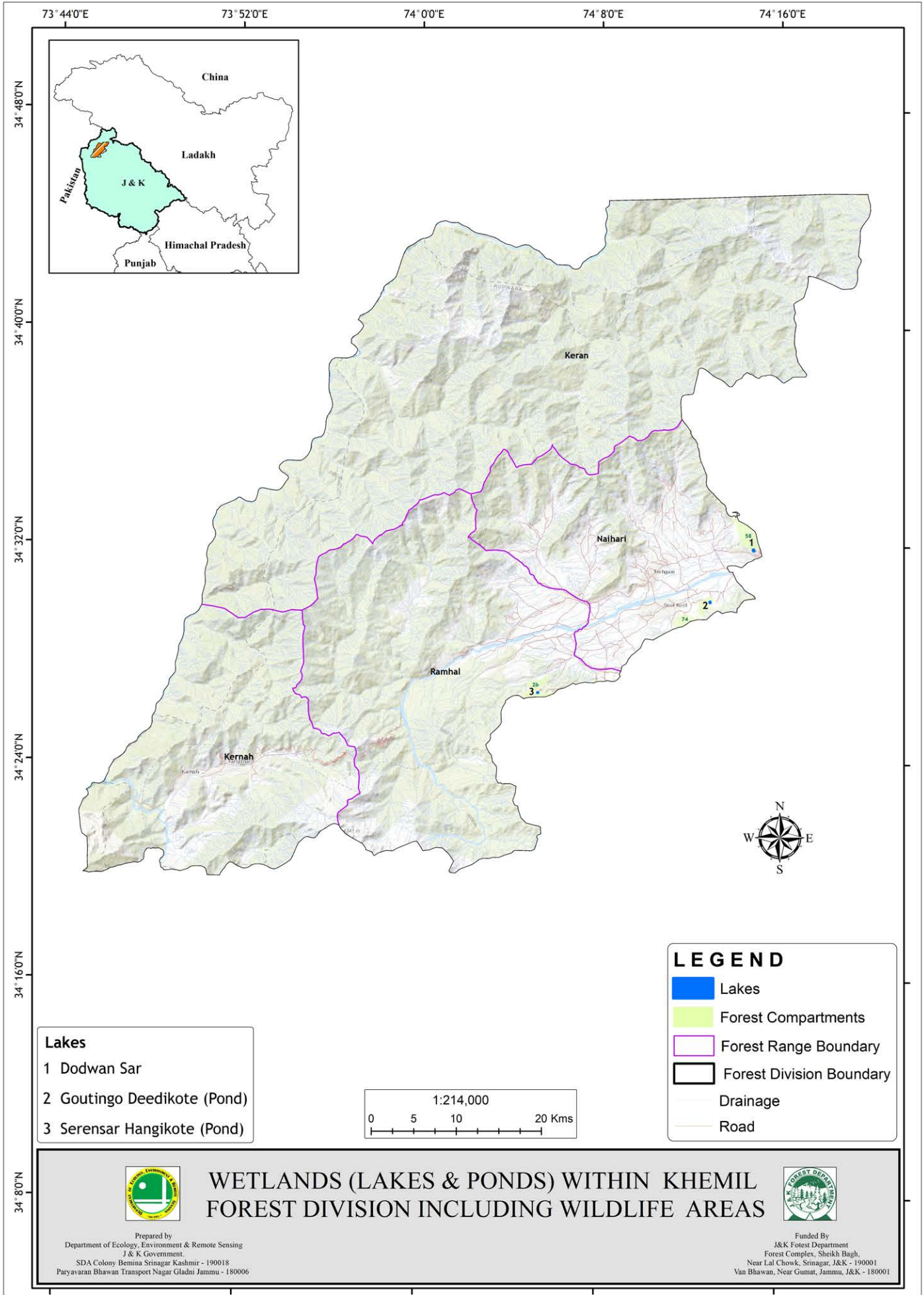
6. Waterbodies:

A total of three Waterbodies One Lake/Wetland in Naihari Range and Two ponds one in Naihari Range and other in Ramhal Range have been mapped.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Keran	0	0	0	-
2	Karnah	0	0	0	-
3	Naihari	1	0.46	1	-
4	Ramhal	0	0	1	-
	Total	1	0.46	2	-

Waterbodies/Ponds of Kehmil Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Dodwan Sar	101014310020061	Naihari	58	NA	NA	0.467701	34° 31' 52.400" N	74° 14' 52.436" E
2	Goutingo Deedikote (Pond)	101024310030004	Naihari	74	NA	NA	0.132232	34° 29' 57.176" N	74° 12' 57.074" E
3	Serensar Hangikote (Pond)	101024310030005	Ramhal	2b	NA	NA	0.034882	34° 26' 34.918" N	74° 5' 19.601" E



PIR PANJAL FOREST DIVISION

1. Quick Info

Latitude:	33°43'24.718"N to 34°6'29.683"N
Longitude	74°25'8.48"E to 74°51'14.363
Altitude:	1124.93 Sq. kms
Altitude:	1549 to 4622m
Source	Working Plan of PP Forest division

3. Climate:

The climate in the lower elevation but very cold in the higher up with the everlasting snow. Four distinct seasons viz, Spring, Summer, Autumn and Winter are well represented.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	Cedrus deodara, Pinus wallichiana, Abies pindrow, Picea smithiana.
Broad-Leaved	Aesculus indica, Juglans regia, Aesculus indica, Acer caesium, Fraxinus Florifunda, Parratiopsis Jacquemontianna, Salix spp
Alpines	Primula macrophylla, Androsac spp., Saxifraga spp., Corydalis spp., Aconitum spp., Gentiana spp., Aster laccidus, Thalictrum majus, Viola biflora.

5. Drainage and Hydro Morphology

The various nallas originating from snow covered mountains forming boundaries of the division provide the water supply which is supplemented by spring rains and occasional summer showers. The whole area is traversed by a network of streams. Some streams are perennial. The important nallas of this tract are: -

- Romshi** originates near about the sunset peak. Its main tributaries are Gaddar nalla and Birnai nalla originating from Shopian Forest Division and Hakriaj nalla originating from the Yusmarg. It forms the boundary between Shopian Forest Division and P.P. Forest Division and flows into Jehlum at Kakpora.
- Doodhganga** originates from Margusar. Its main tributaries are Wavijnar (at Fresnag) Shumer (at about Haijan maidan) and Shakrikul (around Branwar). In its course it reaches Rambagh (Srinagar) before flowing into the Jhelum.
- Shaliganga** originates near Noorpur gali. Its main tributaries are Razdain Nar, Ashdar Nar, Nijraj Nar and finally joins Doodhganga at Wathoora Budgam.
- Canals:** The important canal of district Budgam is Ahaji canal which was originally constructed almost a century back for providing irrigation to the culturable command area of 6896 hectares of land falling right from Arizal Beeru to Budgam spreading across 102 villages. The other two canals are Kashi canal & Munshi canal which start from Yousmarg and irrigate Charar-sharief area.

6. Waterbodies:

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Sukhnag	13	149.05	1	-
2	Doodhganga	20	63.10	2	-
3	Raithan	8	14.43	0	-
4	Budgam	1	1355.37	0	-
	Total	42	1624.52	3	-

2. Territorial Ranges:

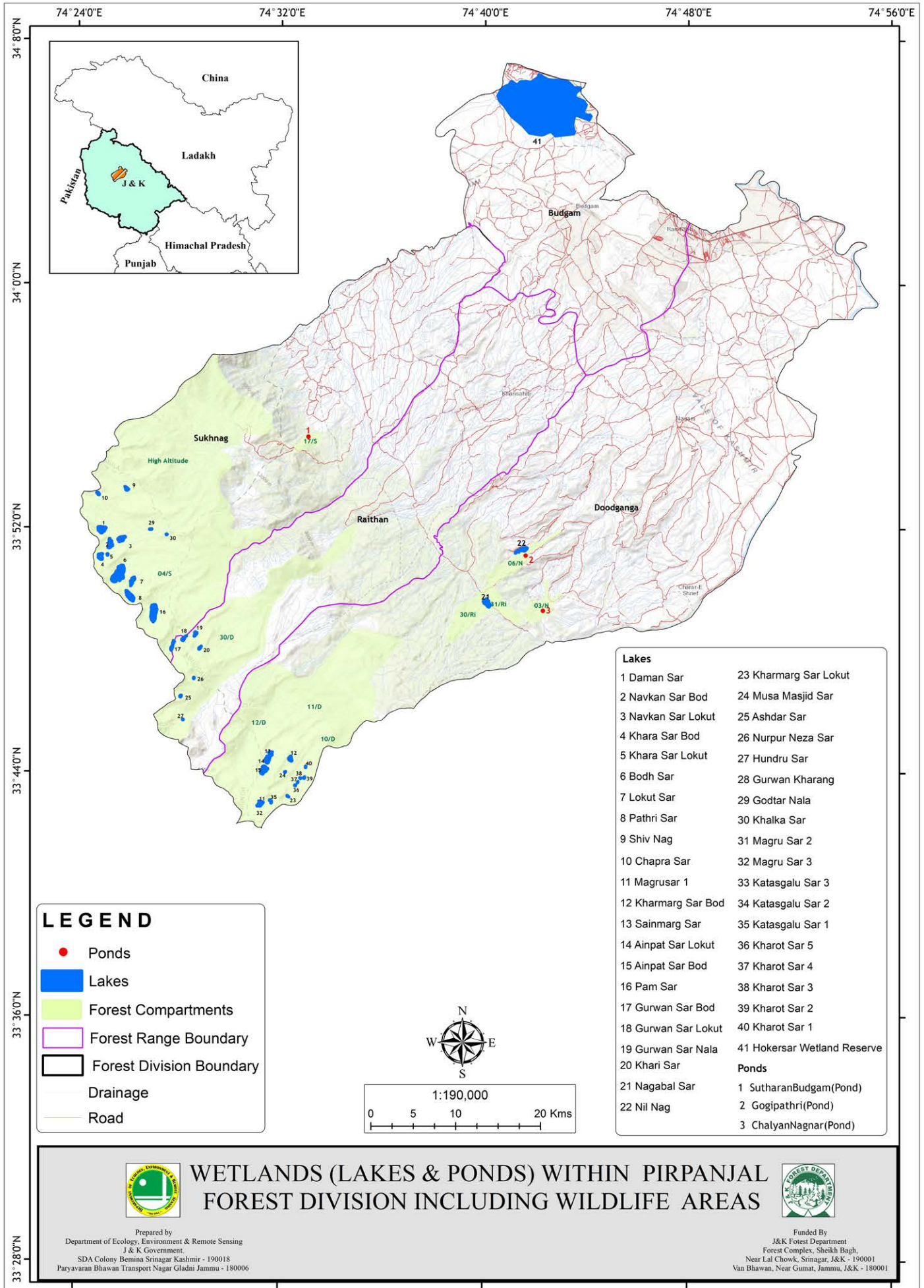
Pirpanjal Forest Division has four ranges, viz., Sukhnag, Doodh ganga, Raithan and Budgam

Name of Range	Area in Sq.kms
Sukhnag	265.444
Doodhganga	488.52
Raithan	213.696
Budgam	157.268
Total Area	1124.93

Table: Waterbodies/Ponds of Pirpanjal Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Daman Sar	102044311050007	Sukhnag	H i g h Altitude	Khalkat	Tosamaidan Hafas	14.03	33° 51' 55.676" N	74° 24' 59.790" E
2	Navkan Sar Bod	102044311050050	Sukhnag	04/S	Khalkat	Khalkat	10.24	33° 51' 28.280" N	74° 25' 19.707" E
3	Navkan Sar Lokut	102044311050008	Sukhnag	H i g h Altitude	Khalkat	Tosamaidan Hafas	9.83	33° 51' 37.119" N	74° 25' 46.220" E
4	Khara Sar Bod	102044311050010	Sukhnag	04/S	Khalkat	Khalkat	8.22	33° 51' 2.513" N	74° 24' 56.825" E
5	Khara Sar Lokut	0102044311050026	Sukhnag	04/S	Khalkat	Khalkat	0.88	33° 51' 6.555" N	74° 25' 13.428" E
6	Bodh Sar	102044311050011	Sukhnag	04/S	Khalkat	Khalkat	47.07	33° 50' 28.775" N	74° 25' 39.017" E
7	Lokut Sar	114534314080019	Sukhnag	04/S	Khalkat	Khalkat	7.22	33° 50' 14.347" N	74° 26' 12.632" E
8	Pathri Sar	102044311050013	Sukhnag	04/S	Khalkat	Khalkat	15.76	33° 49' 45.348" N	74° 26' 6.752" E
9	Shiv Nag	102044311050005	Sukhnag	H i g h Altitude	Khalkat	Tosamaidan Hafas	2.93	33° 53' 16.320" N	74° 25' 58.039" E
10	Chapra Sar	102044311050052	Sukhnag	H i g h Altitude	Khalkat	Tosamaidan Hafas	2.1	33° 53' 6.425" N	74° 24' 50.506" E
11	Magrusar 1	102094311100022	Doodganga	12/D	Padshatar	Dragtolan	5.69	33° 42' 59.163" N	74° 31' 16.733" E
12	Kharmarg Sar Bod	102094311100021	Doodganga	11/D	Padshatar	Dragtolan	4.65	33° 44' 26.813" N	74° 32' 26.013" E
13	Sainmarg Sar	102094311100018	Doodganga	11/D	Padshatar	Dragtolan	4.02	33° 44' 36.968" N	74° 31' 39.596" E
14	Ainpat Sar Lokut	102094311100019	Doodganga	11/D	Padshatar	Dragtolan	9.33	33° 44' 24.857" N	74° 31' 32.664" E
15	Ainpat Sar Bod	102094311100020	Doodganga	11/D	Padshatar	Dragtolan	12.99	33° 44' 4.390" N	74° 31' 24.314" E
16	Pam Sar	102044311050014	Sukhnag	04/S	Khalkat	Khalkat	29.43	33° 49' 12.280" N	74° 27' 3.117" E
17	Gurwan Sar Bod	102064311050016	Raithan	30/D	Gurwait	Doodhpathri	4.47	33° 48' 7.950" N	74° 27' 47.462" E
18	Gurwan Sar Lokut	102064311050015	Raithan	30/D	Gurwait	Doodhpathri	3.3	33° 48' 22.503" N	74° 28' 14.441" E
19	Gurwan Sar Nala	102044311050023	Raithan	30/D	Gurwait	Doodhpathri	2.35	33° 48' 30.254" N	74° 28' 41.885" E
20	Khari Sar	102044311050024	Raithan	30/D	Gurwait	Doodhpathri	1.71	33° 48' 4.150" N	74° 28' 52.362" E
21	Nagabal Sar	102094311090025	Doodganga	30/Ri	Yusmarg	Yus	10.5	33° 49' 34.041" N	74° 40' 7.520" E
22	Nil Nag	102094311090003	Doodganga	06/N	Nilnag	Gojipathri	9.81	33° 51' 18.707" N	74° 41' 29.057" E

23	Kharmarg Sar Lokut	102094311100053	Doodganga	10/D	Padshatar	Dragtolan	0.84	33° 43' 12.956" N	74° 32' 20.917" E
24	Musa Masjid Sar	102094311100054	Doodganga	10/D	Padshatar	Dragtolan	0.58	33° 44' 0.501" N	74° 32' 13.995" E
25	Ashdar Sar	102094311100055	Raithan	30/D	Gurwait	Doodhpathri	1.01	33° 46' 29.047" N	74° 28' 7.308" E
26	Nurpur Neza Sar	102094311100056	Raithan	30/D	Gurwait	Doodhpathri	0.59	33° 47' 4.408" N	74° 28' 38.327" E
27	Hundru Sar	102094311100057	Raithan	30/D	Gurwait	Doodhpathri	0.5	33° 45' 43.119" N	74° 28' 12.685" E
28	G u r w a n Kharang	102064311050017	Raithan	30/D	Gurwait	Doodhpathri	0.51	33° 48' 34.410" N	74° 28' 40.892" E
29	Godtar Nala	102044311050058	Sukhnag	H i g h Altitude	Khalkat	Tosamaidan Hafas	0.86	33° 51' 56.996" N	74° 26' 54.764" E
30	Khalka Sar	102044311050059	Sukhnag	04/S	Khalkat	Khalkat	0.48	33° 51' 46.691" N	74° 27' 32.463" E
31	Magru Sar 2	102054311050060	Doodganga	12/D	Padshatar	Dragtolan	0.32	33° 42' 53.627" N	74° 31' 15.322" E
32	Magru Sar 3	102054311050061	Doodganga	12/D	Padshatar	Dragtolan	0.3	33° 42' 53.803" N	74° 31' 8.702" E
33	Katasgalu Sar 3	102054311050062	Doodganga	12/D	Padshatar	Dragtolan	0.27	33° 42' 59.844" N	74° 31' 41.485" E
34	Katasgalu Sar 2	102054311050063	Doodganga	12/D	Padshatar	Dragtolan	0.28	33° 43' 3.113" N	74° 31' 41.708" E
35	Katasgalu Sar 1	102054311050064	Doodganga	12/D	Padshatar	Dragtolan	0.3	33° 43' 5.077" N	74° 31' 37.934" E
36	Kharot Sar 5	102054311050065	Doodganga	10/D	Padshatar	Dragtolan	0.71	33° 43' 34.462" N	74° 32' 37.656" E
37	Kharot Sar 4	102054311050066	Doodganga	10/D	Padshatar	Dragtolan	0.56	33° 43' 40.784" N	74° 32' 43.467" E
38	Kharot Sar 3	102054311050067	Doodganga	10/D	Padshatar	Dragtolan	0.45	33° 43' 48.806" N	74° 32' 49.386" E
39	Kharot Sar 2	102054311050068	Doodganga	10/D	Padshatar	Dragtolan	0.93	33° 43' 49.786" N	74° 32' 58.679" E
40	Kharot Sar 1	102054311050069	Doodganga	10/D	Padshatar	Dragtolan	0.58	33° 44' 10.639" N	74° 33' 2.388" E
41	H o k e r s a r W e t l a n d Reserve	102074310120001	Budgam	RFPF	-	-	1355.38	34° 5' 52.771" N	74° 42' 18.822" E
42	S u t h a r a n B u d g a m (Pond)	102054311090026	Sukhnag	17/S	Sutaharan	Brass	NA	33° 55' 0.050" N	74° 33' 5.820" E
43	G o g i p a t h r i (Pond)	102094311090036	Doodganga	06/N	Nilnag	Gojipathri	NA	33° 51' 7.720" N	74° 41' 38.400" E
44	C h a l y a n N a g n a r (Pond)	102094311090038	Doodganga	03/N	Nilnag	Watakaloo	NA	33° 49' 19.300" N	74° 42' 19.300" E



KULGAM FOREST DIVISION

1. Quick Info

Latitude:	33°28'51.45"N. to 33°45'42.094"N
Longitude	74°41'24.288"E to 75°7'18.36"E
Altitude:	1503 to 4056m
Area:	830.89 Sq. kms
Source	Working Plan for Kulgam Forest Division

3. Climate:

The climate is mild and salubrious in the lower elevations but very cold in higher ups. All the four seasons of the year are represented. Spring is cool and rather wet. Summer months (July to September) are dry and warm with the shade temperature rarely exceeding 34°C. Winter is extremely cold and experiences heavy snow fall. Frost is experienced from middle of November onwards. Unlike the outer Himalayas there is no distinct rainy season in Kashmir Valley. The main form of precipitation is snow in winter and some rains, showering in spring or the other months of year. During the monsoon when the Kashmir valley as a whole gets very little rain on account of the barrier put across monsoon by the lofty Pir Panjal Range itself, these forests do get some sporadic rain every now and then when some residual moisture laden winds steal through into the valley through the saddles or gales. The north- western disturbances bring in frequent spring showers.

4. Forest Type and Bio Geography:

Type	Major Species
Conifers	<i>Cedrus deodara, Pinus wallichiana, Abies pindrow and Picea smithiana</i>
Alpines	<i>Rhododendrons, Betula utilis, Junipers communis</i>
Broad-leaved trees	<i>Juglans regia, Aesculus indica, Acer caesium, Fraxinus excelsior, Parrotiopsis jacquemontiana</i>
Source	Working Plan of Kulgam Forest Division

5. Drainage and Hydro Morphology

The Division is blessed with an important water source, Kousarnag. The whole tract is dotted with an appreciable number of springs supplying drinking water to the adjoining habitations. Other sources from which Veshew gets plenty of water supply, include Mahinag, Satpukran, Chitternar and Pumnar in Compartment V-14., The Zajmarg Nallah (Zajnar) which is the most important tributary of Nallah Veshew has a very good number of water sources, Such as Chirsar from which Chittinadi originates; Indersar, Bramsar, Dountsar etc. All these springs pour their water into Zajnar which flows through Chiranbal and meets Kounsarnag Nallah at Sangam just below the Kongwattan The Kandai Nallah which flows through Damhal Hanjipora Range has its origin from Perrenial water sources near Yarithatri. Other tributaries of Nallah Kandai are Zumistal Nallah, Sakiwas Nallah and Nunkhul Nallah.

All these sources of water have made Nallah Veshew one of the important perennial source / tributary of river Jhelum.

6. Waterbodies:

Apart from these rivers and nallas a number of Lakes/Wetlands & Ponds are present in the division. 40 waterbodies have been mapped in the division & 01 Pond as point (using high resolution satellite images) in Vishaw range. 04 ponds have been identified as point in DH pora range in the division

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds
1	Vishaw	40	226.85	01
2	DH Pora	0	0	04
3	Kulgam	0	0	0
	Total	40	226.85	05

2. Territorial Ranges:

The Forest Division comprises of three territorial ranges namely:

Name of Range	Area in Sq.kms
Vishaw	338.09
Damhal Hanjipora	186.63
Kulgam	306.17
Total Area	830.89

Table: Waterbodies/Ponds of Kulgam Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Kounsar Nag Bod	115614311140014	Vishav	14/V	Nicken	Nicken	134.879738	33° 30' 42.262" N	74° 46' 13.621" E
2	Gigi Nag	112484311130002	Vishav	21/V	Manzgam	Manzgam	0.663081	33° 31' 28.475" N	74° 48' 25.128" E
3	Khatan Nag	115614311140031	Vishav	21/V	Manzgam	Manzgam	0.4862	33° 31' 35.154" N	74° 48' 30.912" E
4	Bakshi Nag	115614311140030	Vishav	21/V	Manzgam	Manzgam	0.498294	33° 31' 40.651" N	74° 48' 31.273" E
5	Dingh Sar	105194311100008	Vishav	21/V	Manzgam	Manzgam	0.051183	33° 31' 0.749" N	74° 49' 14.122" E
6	Chir Sar Bod	115614311140021	Vishav	21/V	Manzgam	Manzgam	24.622198	33° 30' 43.775" N	74° 49' 54.656" E
7	Bram Sar	115614311140022	Vishav	22/V	Manzgam	Manzgam	14.803515	33° 30' 9.000" N	74° 51' 0.488" E
8	Satphukeran Sar 3	115614311100025	Vishav	13b/V	Nicken	Nicken	0.549256	33° 32' 3.901" N	74° 44' 46.176" E
9	Satphukeran Sar 2		Vishav	14/V	Nicken	Nicken	0.194285	33° 32' 10.435" N	74° 44' 48.111" E
10	Satphukeran Sar 4		Vishav	14/V	Nicken	Nicken	0.495608	33° 32' 4.988" N	74° 44' 49.652" E
11	Satphukeran Sar 6		Vishav	13b/V	Nicken	Nicken	0.569095	33° 31' 56.859" N	74° 44' 43.383" E
12	Satphukeran Sar 1		Vishav	14/V	Nicken	Nicken	1.070959	33° 32' 11.548" N	74° 44' 44.389" E
13	Satphukeran Sar 5		Vishav	13b/V	Nicken	Nicken	0.348434	33° 31' 59.122" N	74° 44' 48.833" E
14	Satphukeran Sar 7		Vishav	14/V	Nicken	Nicken	0.087869	33° 32' 0.242" N	74° 44' 52.925" E
15	Maali Sar		115614311100026	Vishav	14/V	Nicken	Nicken	0.476984	33° 32' 15.144" N
16	Niki-Pathri Nag	115614311140033	Vishav	14/V	Nicken	Nicken	0.168809	33° 33' 8.483" N	74° 45' 10.489" E
17	Mahi-Nag Lokut	0115614311140034	Vishav	14/V	Nicken	Nicken	0.289959	33° 33' 21.224" N	74° 45' 14.015" E
18	Inder Sar	115614311140015	Vishav	19/V	Manzgam	Manzgam	4.656615	33° 32' 38.524" N	74° 47' 22.146" E
19	Pamba Sar 1	0115614311100035	Vishav	13b/V	Nicken	Nicken	1.36158	33° 35' 3.543" N	74° 43' 8.051" E
20	Pamba Sar		Vishav	13b/V	Nicken	Nicken	0.589159	33° 35' 1.566" N	74° 42' 58.544" E
21	Makru Sar	115614311140018	Vishav	24/V	Manzgam	Manzgam	0.893872	33° 30' 19.288" N	74° 53' 42.165" E
22	Ganakain Nala Sar	0115614311140036	Vishav	22/V	Manzgam	Manzgam	1.819574	33° 30' 53.422" N	74° 51' 9.015" E
23	Dont Sar	0115614311140057	Vishav	19/V	Manzgam	Manzgam	1.273471	33° 32' 33.019" N	74° 48' 4.890" E
24	Mahi Nag Bod	115614311140027	Vishav	14/V	Nicken	Nicken	0.870073	33° 33' 31.176" N	74° 45' 11.022" E
25	Hing Sar 2	115614311100016	Vishav	13b/V	Nicken	Nicken	1.438945	33° 31' 6.692" N	74° 43' 58.131" E
26	Hing Sar 1		Vishav	13b/V	Nicken	Nicken	2.559672	33° 31' 19.535" N	74° 44' 22.762" E

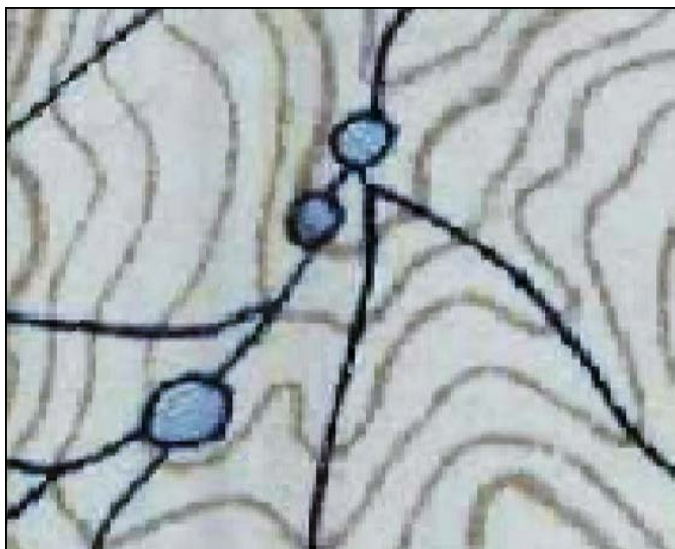
27	Prishi Sar	0115614311100058	Vishav	08/V	Nicken	Nicken	1.146676	33° 33' 25.153" N	74° 42' 34.218" E
28	Kausar Nag Lokut 1	0115614311100059	Vishav	14/V	Nicken	Nicken	2.443053	33° 30' 50.398" N	74° 44' 54.824" E
29	Kausar Nag Lokut 2		Vishav	14/V	Nicken	Nicken	0.807788	33° 30' 30.967" N	74° 45' 27.215" E
30	Kausar Nag Lokut 3		Vishav	14/V	Nicken	Nicken	0.988269	33° 30' 17.981" N	74° 45' 18.247" E
31	Kausar Nag Lokut 4		Vishav	14/V	Nicken	Nicken	0.775521	33° 29' 58.048" N	74° 45' 41.048" E
32	Kausar Nag Lokut 5		Vishav	14/V	Nicken	Nicken	1.291256	33° 29' 43.133" N	74° 46' 15.417" E
33	Chir Sar Lokut 2	0115614311140060	Vishav	21/V	Manzgam	Manzgam	1.734801	33° 30' 15.825" N	74° 48' 52.885" E
34	Chir Sar Lokut 1		Vishav	21/V	Manzgam	Manzgam	1.242582	33° 30' 17.397" N	74° 49' 23.043" E
35	Manzgam Sar 2	0115614311140034	Vishav	21/V	Manzgam	Manzgam	0.765128	33° 31' 37.286" N	74° 49' 8.423" E
36	Sarkeng Sar	115614311150023	Vishav	24/V	Manzgam	Manzgam	6.277445	33° 29' 34.055" N	74° 53' 50.814" E
37	Manzgam Sar 1 (Katchee Sar)	115614311140034	Vishav	21/V	Manzgam	Manzgam	5.899206	33° 31' 18.201" N	74° 48' 56.222" E
38	Gorsi Nag	115614311140029	Vishav	14/V	Nicken	Nicken	1.478703	33° 28' 41.618" N	74° 48' 19.996" E
39	Bram Sakli Sar	115614311140022	Vishav	14/V	Nicken	Nicken	3.368499	33° 28' 58.074" N	74° 49' 12.587" E
40	Pahelgul Nag	115614311150028	Vishav	24/V	Manzgam	Manzgam	2.920511	33° 29' 44.223" N	74° 54' 26.139" E
41	Zajimarg Maidan Sar	115614311140035	Vishav	24/V	Manzgam	Manzgam	NA	33° 29' 24.169" N	74° 53' 18.848" E
42	Deodarpatri Naag	115614311140044	D H Pora	01/N	Nagam A	Yadikah	NA	33° 34' 6.600" N	74° 54' 16.400" E
43	Zarood Noorabad DH Pora(Pond)	115614311140041	D H Pora	01/N	Nagam A	Yadikah	NA	33° 34' 5.740" N	74° 54' 8.200" E
44	Soipatri Noorabad DH Pora(Pond)	115614311140042	D H Pora	01/N	Nagam A	Yadikah	NA	33° 34' 7.210" N	74° 54' 3.240" E
45	Lawloo Noorabad DH Pora(Pond)	115614311140043	D H Pora	01/N	Nagam A	Yadikah	NA	33° 34' 5.740" N	74° 54' 9.620" E

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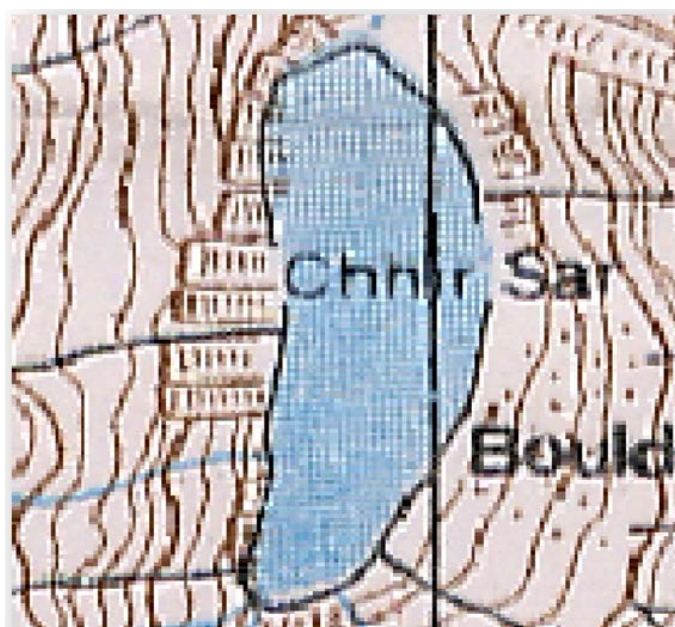
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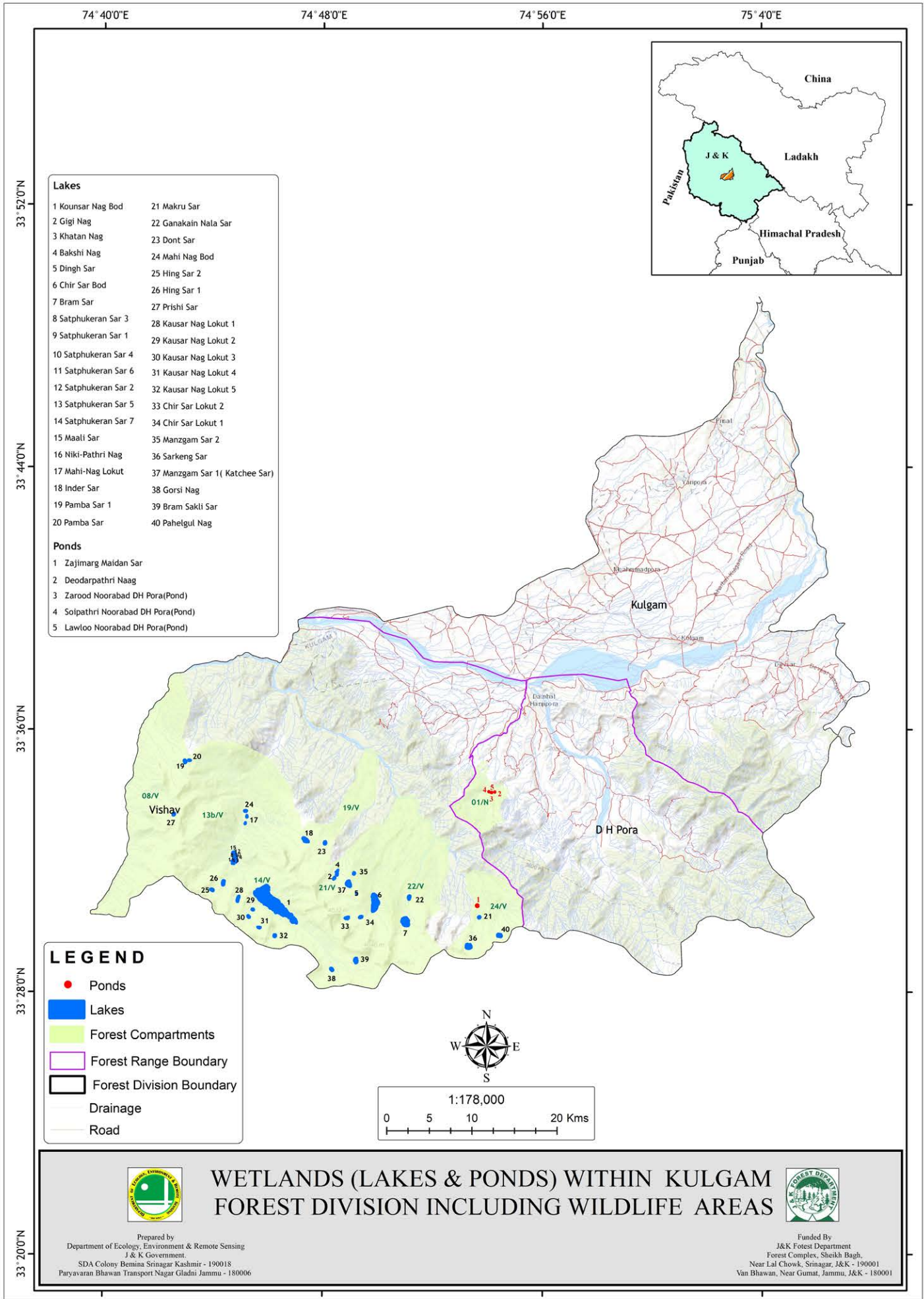
Kaunsar Nag



Gigi Nag, Khatan Nag, Bakshi Nag



Chir Sar



- Lakes**
- | | |
|----------------------|---------------------------------|
| 1 Kousar Nag Bod | 21 Makru Sar |
| 2 Gigi Nag | 22 Ganakain Nala Sar |
| 3 Khatan Nag | 23 Dont Sar |
| 4 Bakshi Nag | 24 Mahi Nag Bod |
| 5 Dingh Sar | 25 Hing Sar 2 |
| 6 Chir Sar Bod | 26 Hing Sar 1 |
| 7 Bram Sar | 27 Prishi Sar |
| 8 Satphukeran Sar 3 | 28 Kausar Nag Lokut 1 |
| 9 Satphukeran Sar 1 | 29 Kausar Nag Lokut 2 |
| 10 Satphukeran Sar 4 | 30 Kausar Nag Lokut 3 |
| 11 Satphukeran Sar 6 | 31 Kausar Nag Lokut 4 |
| 12 Satphukeran Sar 2 | 32 Kausar Nag Lokut 5 |
| 13 Satphukeran Sar 5 | 33 Chir Sar Lokut 2 |
| 14 Satphukeran Sar 7 | 34 Chir Sar Lokut 1 |
| 15 Maali Sar | 35 Manzgam Sar 2 |
| 16 Niki-Pathri Nag | 36 Sarkeng Sar |
| 17 Mahi-Nag Lokut | 37 Manzgam Sar 1 (Katchee Sar) |
| 18 Inder Sar | 38 Gorsl Nag |
| 19 Pamba Sar 1 | 39 Bram Sakli Sar |
| 20 Pamba Sar | 40 Pahelgul Nag |
- Ponds**
- 1 Zajimarg Maidan Sar
 - 2 Deodarpatri Naag
 - 3 Zarood Noorabad DH Pora(Pond)
 - 4 Solpatri Noorabad DH Pora(Pond)
 - 5 Lawloo Noorabad DH Pora(Pond)

LEGEND

- Ponds
- Lakes
- Forest Compartments
- ▭ Forest Range Boundary
- ▭ Forest Division Boundary
- Drainage
- Road

WETLANDS (LAKES & PONDS) WITHIN KULGAM FOREST DIVISION INCLUDING WILDLIFE AREAS



Prepared by
 Department of Ecology, Environment & Remote Sensing
 J & K Government.
 SDA Colony Bemina Srinagar Kashmir - 190018
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 Forest Complex, Sheikh Bagh,
 Near Lal Chowk, Srinagar, J&K - 190001
 Van Bhawan, Near Gumat, Jammu, J&K - 180001

TANGMARG FOREST DIVISION

1. Quick Info

Latitude	33°54'56.842"N to 34°15'49.627"N .
Longitude	74°15'33.156"E to 74°38'49.812"E
Area	899.18Sq kms
Altitude:	1486 to 4519m
Source	Working Plan of Tangmarg Forest Division

2. Territorial Ranges:

Tangmarg Forest division comprises of three ranges, viz., Pattan, Gulmarg and Shri Pratab Singh Pora (SPSP)

Name of Range	Area in Sq.kms
Pattan	223.24
Gulmarg	502.44
Shri Pratab Singh Pora	173.50
Total Area	899.18

3. Climate:

The area has temperate climate experiencing four distinct seasons viz. Spring, Summer, Autumn and winter.

4. Forest Type and Bio Geography:

Type	Major Species
<i>Conifers</i>	<i>Abies Pindrow, Cedrus deodara, Pinus wallichiana, Picea smithiana</i>
<i>Alpines</i>	<i>Primula spp., Potentilla spp., Goridalia spp, Aconitum spp, Agrotia spp., Gentiana spp., Aster spp. Thaliotrum elegana, Viola biflora, Adrosar spp.</i>

5. Drainage and Hydro Morphology

Mostly dependent on rainfall

6. Waterbodies:

A total of 15 Lakes/Wetlands & Ponds are present in the division out of which 1 lake/wetland is present in Pattan Range and 13 Lakes /Wetlands are present in Gulmarg Range ,1 pond mapped as point layer is also found in Gulmarg range.

SNO	RANGE	Lakes/Waterbodies	Area in Ha	Ponds	Area in Ha
1	Pattan	1	383.05	-	-
2	Gulmarg	13	775.45	1	-
3	Shri Pratab Singh Pora	0	0	1	-
	Total	14	1158.5	2	-

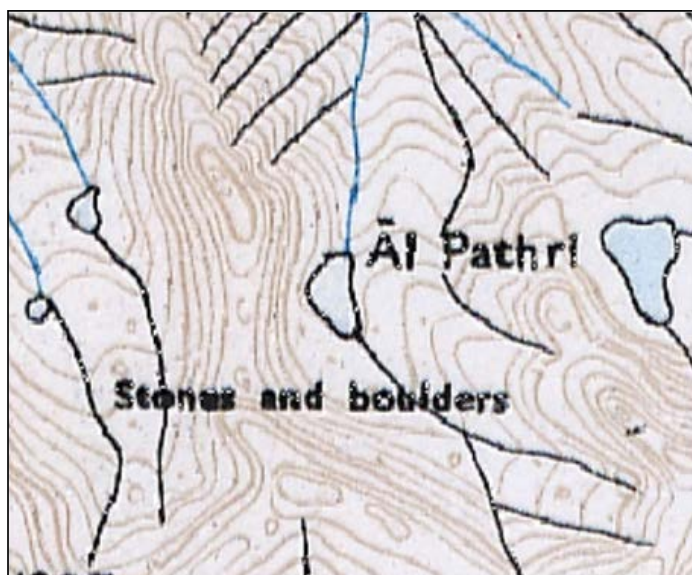
Table: Waterbodies/Ponds of Tangmarg Forest Division

S.No	Name	UIN	Range	Compartment	Block	Beat	Area(Ha)	Latitude	Longitude
1	Tungban Sar 1	108394311050011	Gulmarg	53a	NA	NA	0.55	33° 56' 21.121" N	74° 24' 37.851" E
2	Tungban Sar2	108324311050050	Gulmarg	53a	NA	NA	0.32	33° 56' 12.591" N	74° 24' 36.744" E
3	Jarran Wali Galii I	105184311060113	Gulmarg	53a	NA	NA	0.38	33° 55' 54.673" N	74° 24' 29.693" E
4	Jarran Wali Galii II	105164311050093	Gulmarg	53a	NA	NA	0.14	33° 55' 36.332" N	74° 24' 35.560" E
5	Zajsur Gali Sar	108324310080051	Gulmarg	35b/Gul	Gulmarg	NA	0.86	34° 1' 12.354" N	74° 18' 27.685" E
6	Alpathar Frozen Lake	108394311050012	Gulmarg	35b/Gul	Gulmarg	NA	5.22	34° 1' 13.536" N	74° 19' 49.940" E

7	Vare Kannoul Nag/ Frozen Lake	108324310080052	Gulmarg	35b/Gul	Gulmarg	NA	2.2	34° 1' 13.292" N	74° 19' 17.190" E
8	Konsar Nag 1	115614311140014	Gulmarg	35b/Gul	Gulmarg	NA	0.76	34° 1' 18.446" N	74° 18' 52.326" E
9	Kantar Nag	108394311050010	Gulmarg	52	NA	NA	2.04	33° 57' 20.794" N	74° 21' 38.456" E
10	Jara Sar 1	105164311050003	Gulmarg	53a	NA	NA	0.14	33° 54' 56.869" N	74° 25' 18.604" E
11	Jara Sar 2	105164311050004	Gulmarg	53a	NA	NA	0.08	33° 54' 54.390" N	74° 25' 9.293" E
12	Konsar Nag 2	108324310080053	Gulmarg	35b/Gul	Gulmarg	NA	0.34	34° 1' 7.964" N	74° 18' 46.044" E
13	Haigam Wetland Reserve	108324310110014	Gulmarg	RFPP			762.3	34° 14' 35.591" N	74° 31' 43.387" E
14	Mirgund Wetland Reserve	108344310120001	Pattan	RFPP			383.05	34° 7' 29.403" N	74° 38' 34.851" E
15	Nagbal Gujjer pati Zaloora(Pond)	108364310080016	Gulmarg	18/Bla	Buta-Pathri	NA	NA	34° 5' 43.120" N	74° 19' 7.560" E

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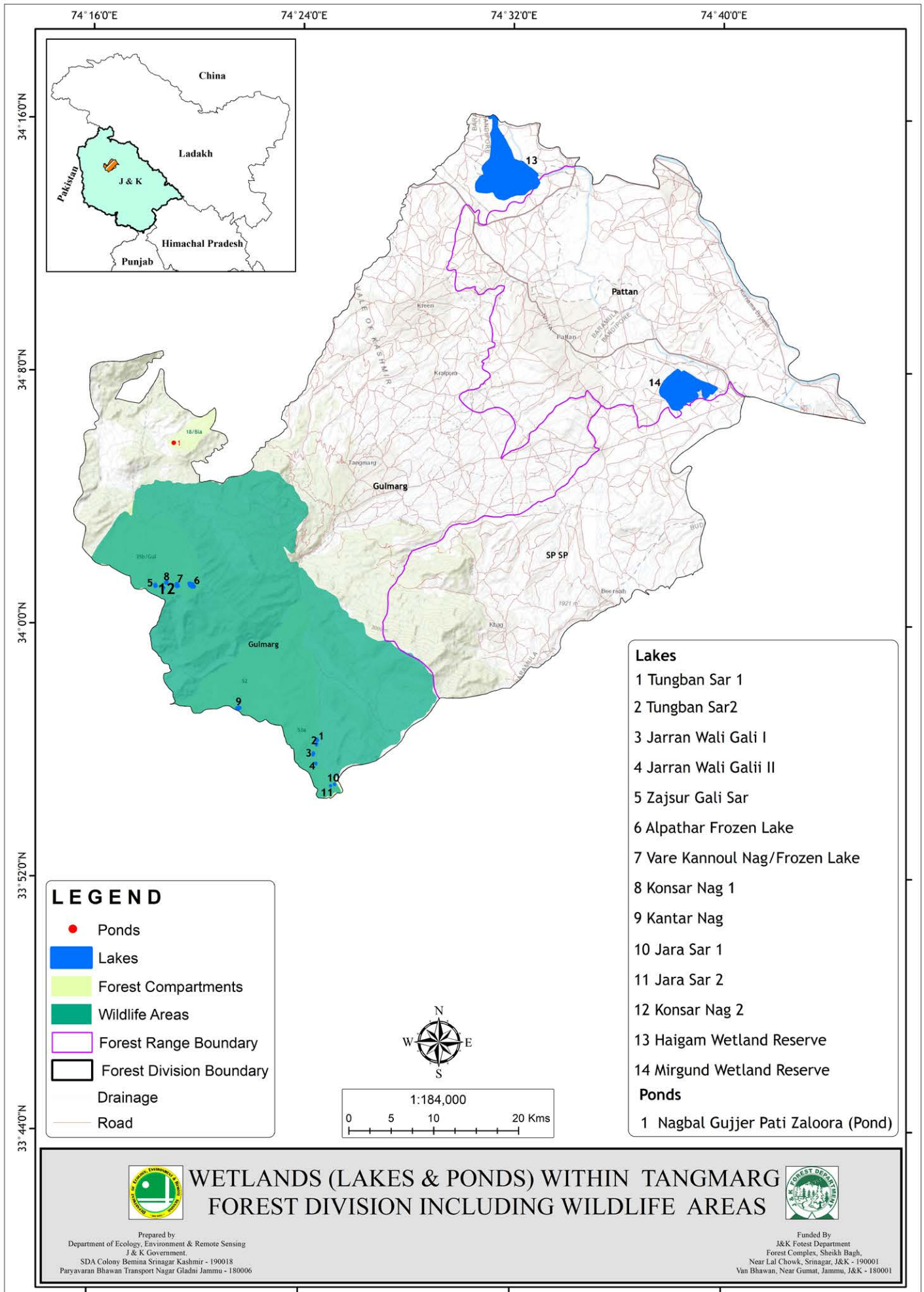
Satellite Images 2020 (Google Earth)



Al-Pathar Frozen Lake, Vare Kannoul Nag, Konsar nag 1,2



Kantar Nag



Annexure

List of Species Referred in the document

Botanical Name	Common Name (English)	Common Name (Vernacular)
<i>Abies pindrow</i>	Himalyan Silver Fir	Badar
<i>Abies spectabilis</i>	Himalyan Fir	
<i>Acacia nilotica</i>	Gum Arabic	Kiker, Babool
<i>Acacia catechu</i>	Catechu wood	Katha, Khair
<i>Acacia modesta</i>	Amritsar Gum	Phalai
<i>Acer caesium</i>	Maple	Tarkanna
<i>Aconitum heterophyllum</i>	Himalyan Mankshood	Patris, Patis
<i>Aconitum spp</i>	Monkshood Spp	Atis, Patris
<i>Adhatoda vasica</i>	Malabar Nut	Vasak, Adusa, Brenkar
<i>Aesculus indica</i>	Horse Chestnut	Bankhor
<i>Albizia lebeck</i>	Indian Siris	Kala Siris
<i>Alnus nepalensis</i>	Himalyan Alder	Utis
<i>Alnus nitida</i>	West Himalyan Alder	Kunis, Kosh
<i>Anogeissus latifolia</i>	Axle wood	Dhawra
<i>Arnibia benthamii</i>	Himalyan arnebia	Bhootkeshi
<i>Artemisia absinthium</i>	Warm wood	Qaisoom, Afsantin
<i>Fraxinus florifunda</i>	Himalyan ash	Sanoo
<i>Atropa acuminata</i>	Indian Belladonna	Shafoo
<i>Bauhinia purpurea</i>	Orchid tree	Kachnar
<i>Bauhinia vahlii</i>	Camels foot creeper	Malloongar
<i>Beberis lycium</i>	Barberry	Rasaunt, kashmal
<i>Betula utilis</i>	Birch	Bhojpatra
<i>Bombax ceiba</i>	Red silk cotton tree	Semal
<i>Butea monosperma,</i>	Flame of Forest	Dhak, Palakh
<i>Buxus wallichiana</i>	Box wood	Chikri
<i>Caesalpinia bonduc</i>	Fevernut	Karanjwa, Gagja
<i>Carissa opaca</i>	Currant bush	Karaunda
<i>Carrissa spinarum</i>	Wild Karaunda	Junglee Karaunda
<i>Cassia fistula</i>	Indian Laburnum	Amaltas, Karangal
<i>Cedrus deodara</i>	Indian Cedar	Deodar
<i>Celtis australis</i>	European Nettle Tree	Khirk, Brimij
<i>Clematis gouriana</i>	Indian Clematis	Marorphali
<i>Colebrookia oppositifolia</i>	Squirell Tail Tree	Bhaman, Suhali
<i>Dactylorhiza hatagirea</i>	Himalyan Marsh Orchid	Slam Panja, Buzidan
<i>Dalbergia sissoo</i>	Indian Rosewood	Shisham, Tahli
<i>Daphne cannabina</i>	Indian Paper Plant Tree	Satpura, Banchoi
<i>Sambucus wightiana</i>	Dwarf Elder	Kashmir Elder
<i>Delphinium spp</i>	Larkspur	
<i>Dendrocalamus strictus</i>	Bamboo	Baans
<i>Desmodium tiliaefolium</i>	Tick clover	
<i>Digitalis purpurea</i>	Foxglove	
<i>Dioscorea deltoidea</i>	Yam	Shingli-Mingli

<i>Dodonea viscosa</i>	Hopbush, natinehop	Saintha
<i>Embllica officinalis</i>	Indian gooseberry	Amla
<i>Euphorbia royleana</i>	Euphorbia	Thor
<i>Ficus palmata</i>	Punjab fig	Junglee Angir, Phagmara
<i>Ficus bengalensis</i>	Banyan	Bargad, Borh
<i>Flacourtia indica</i>	Madagascar plum	Kakoha
<i>Fragaria nubicola</i>	Himalyan wild strawberry	Budemewa, Jungli-Istabar
<i>Fragaxia vasica</i>		
<i>Fraxinus excelsior/ floribunda</i>	Common ash	Sanoo
<i>Frittillaria cirrhosa</i>	Himalyan fritillony	Kakoli
<i>Gallium rotundifolium</i>	Round leave bed straw	
<i>Gentiana kurroo</i>	Indian gentail	Nilkanth, Karuchireta
<i>Grewia oppositifolia</i>	Crossberry bush	Phalsa
<i>Grewia optiva</i>	Crossberry	Dhaman, Bhimal
<i>Hedera nepalensis</i>	Himalayan ivy,	Bano, Dudhela
<i>Helinus lanceolatus</i>	Lanceleaf helinus	Murian
<i>Indigofera heterantha</i>	Himalayan indigo	Kalikathi, Kanchhu
<i>Indigofera linctonion</i>	True indigo	Neel
<i>Ipomaea fistulosa</i>	Morning pink glory	Railway Creeper
<i>Iris kashmiriana</i>	Kashmir iris	Mazarmond
<i>Juglans regia</i>	Walnut	Akhrot, Doon
<i>Junipers communis</i>	Common juniper	Haubar, Aarar
<i>Jurinea macrocephala</i>	Himalayan dolomiaea	Dhoop
<i>Quercus semecarpifolia</i>	Kharsu oak	
<i>Lannea coromandelica</i>	Indian ash tree	Kemal, Mohin
<i>Lantana camara</i>	Lantana	Panjphooli
<i>Mallotus phillipinensis</i>	Monkey face tree	Kamala
<i>Mangifera indica</i>	Mango	Aam
<i>Mitragyna parviflora</i>	True kadamb	Kadamb, Kaim
<i>Murraya koenigi</i>	Murraya	Karipatta
<i>Melia azedarach</i>	Indian liliac	Draink, Bakain
<i>Nerium indicum</i>	Red oleandar	Kaner
<i>Oloea cuspidata</i>	Wild olive	Kau
<i>Ougenia oojenensis</i>	Ujjain desmodium tree	Tinish, Sandan
<i>Parratiopsis jacquemontianna</i>	Parrotia	Hatab, Pohu
<i>Parthenium hysterophorus</i>	Carrot grass	Gajar Ghaas
<i>Parthenocissus himalayana</i>	Himalyan woodbina	Charchare, Lahnu
<i>Persicaria amplexicaulis</i>	Red mountain fleece	Amla
<i>Phytolacca accinosa</i>	Indus pokeweed	Hapatmakai, Jagra
<i>Picea smithiana</i>	West himalyan spruce	Rai, Spruce
<i>Pinus gerardiana</i>	Chilgoza pine, noosa	Chilgoza
<i>Pinus roxburghi</i>	Chir pine	Chir
<i>Pinus wallichiana</i>	Himalyan blue pine	Kail
<i>Plactranthua rugosus</i>	Isodon	Solei
<i>Podophyllum emodi</i>	Himalyan may apple	Ban Kakri
<i>Polygonatum spp</i>	Solomns seal	
<i>Populus ciliata</i>	Poplar	Fres
<i>Primula denticulata</i>	Drumstic primrose	

<i>Primula macrophylla</i>	Large leaf primrose	
<i>Prinsipiautilis</i>	Himalyan cherry princepia	Bhikal
<i>Prunus-padus</i>	Bird cherry	Paddam
<i>Punica granatum</i>	Pomegranate	Anardana
<i>Premna latifoilia</i>	Arani	Gandela, Kansir
<i>Pyrus pashia</i>	Indian wild pear	Kainth
<i>Quercus dilalata</i>	Green oak	Maru Oak
<i>Rhododendrion arboreum</i>	Tree rododendron	Buransh
<i>Rhus parviflora</i>	Poison sumac	Samundarphal, Lungala
<i>Robinia pseudoacacia</i>	Whitelocus tree	Vilayati Kikar
<i>Rosa (brunonii, webbiana, moschats) spp</i>	Wild rose	Junglee Gulab, Ban Gulab
<i>Rubus ellipticus</i>	Yellow himalyan raspberry	Akhra, Hinsalu
<i>Rumex spp</i>	Toothed dock	Junglee Palak, Upor
<i>Salix spp</i>	Willow	Butvier
<i>Sambucus wightiana</i>	Kashmir elder	
<i>Sarcococa saligna</i>	Willow leafv sweet box	Geru
<i>Senecio sps</i>		
<i>Skimmia laureola</i>		Shingli Mingli
<i>Smilax aspera</i>	Prickly ivy	Sarasparilla, Chopchini
<i>Spatholobus roxburghii</i>	Palas climber	Malini
<i>Stipa sibirica</i>	Poison grass	
<i>Sassaurea lappa</i>	Costus root	Kuth
<i>Syzygium cumini</i>	Jana plum	Jamun
<i>Taraxacum officinale,</i>	Common dandelion	Handh, Dudhal
<i>Taxus baccata</i>	Common yew	Barmi
<i>Terminalia bellerica</i>	Belleric myrobalan	Bahira
<i>Terminalia arjuna</i>	Tropical marudah	Arjun
<i>Terminalia tomentosa</i>	Indian laurel tree	Saj, Asan
<i>Thalictrum majus</i>	Meadow rue	
<i>Tinospora cardifolia</i>	Moonseed	Giloy, Amrita
<i>Toona ciliata</i>	Indian red cedar	Toon
<i>Ulmus wallichiana</i>	Himalyan elm	
<i>Viburnum grandiflorum</i>	Himalyan viburnum	
<i>Viola biflora</i>	Viola	Banafsha
<i>Viola canescensenc</i>	Viola	Banafsha
<i>Vitis himalayana</i>	Himalyan woodbine	Parenu
<i>Wendlandia heynei</i>	Heyne's wendlendion	Pansar
<i>Woodfordia fruticosa</i>	Fire flame bush	Chain, Dhataki
<i>Xanthium strumarium</i>	Cocklebur	Chota Gokhru
<i>Xanthoxylum armatum</i>	Prickly ash	Timbru
<i>Ziziphus spp</i>	Indian jujube	Ber

