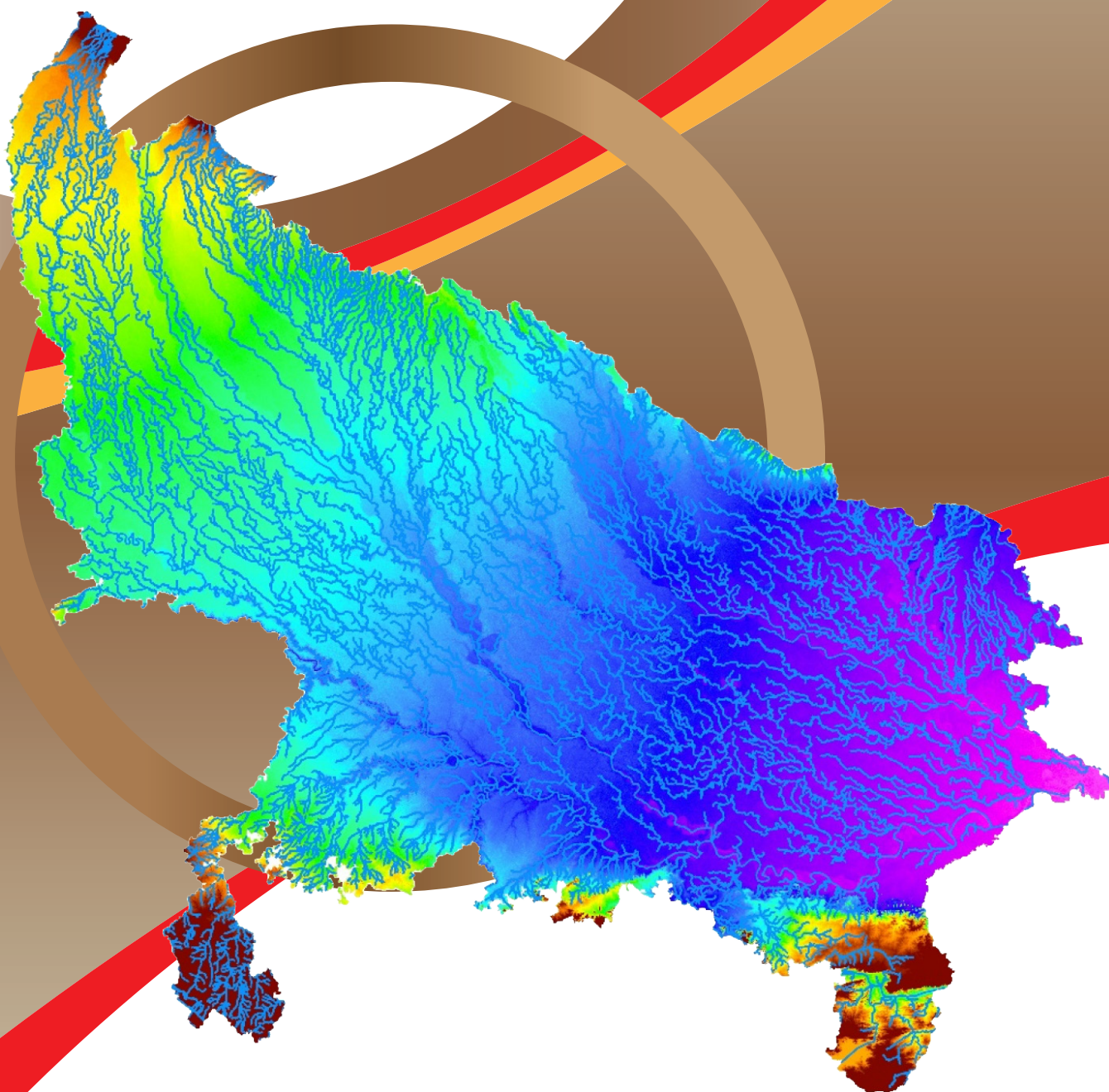


National Mission for Clean Ganga

Ministry of Jal Shakti

Department of Water Resources, River Development & Ganga Rejuvenation
Government of India



ATLAS OF RIVERS IN UTTAR PRADESH



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December 2022

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National Mission for Clean Ganga (NMCG)

NMCG is the implementation wing of National Ganga Council which was setup in October 2016 under the River Ganga Authority order 2016. Initially NMCG was registered as a society on 12th August 2011 under the Societies Registration Act 1860. It acted as implementation arm of National Ganga River Basin Authority (NGRBA) which was constituted under the provisions of the Environment (Protection) Act (EPA) 1986. NGRBA has since been dissolved with effect from the 7th October 2016, consequent to constitution of National Council for Rejuvenation, Protection and Management of River Ganga (referred to as National Ganga Council).

www.nmcg.in

Centre for Ganga River Basin Management and Studies (cGanga)

cGanga is a think tank formed under the aegis of NMCG, and one of its stated objectives is to make India a world leader in river and water science. The Centre is headquartered at IIT Kanpur and has representation from most leading science and technological institutes of the country. cGanga's mandate is to serve as think-tank in implementation and dynamic evolution of Ganga River Basin Management Plan (GRBMP) prepared by the Consortium of 7 IITs. In addition to this, it is also responsible for introducing new technologies, innovations, and solutions into India.

www.cganga.org

Acknowledgment

This river atlas document is a collective effort of a number of experts, institutions and organisations, some who had been associated with preparing the Ganga River Basin Management Plan (GRBMP) submitted to the Government of India in 2015, and others who joined later with their own independent expertise and enthusiasm. Contributions to the photographs and images for this document by individuals are gratefully acknowledged.

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PREFACE

The Centre for Ganga River Basin Management and Studies (“cGanga”) was established in the year 2016 as a comprehensive think-tank for river restoration and to assist the National Mission for Clean Ganga (NMCG), Jal Shakti Ministry, GoI, for “continual scientific support in the implementation and dynamic evolution of the Ganga River Basin Management Plan” for conservation of National River Ganga. In keeping with this goal, cGanga has been actively developing detailed knowledge capsules, tools and procedures to enable comprehensive and early rejuvenation of the Ganga River network across the whole basin. While a river basin approach is essential for analyzing and comprehending the Ganga river’s status and needs to regain her wholesomeness, the implementation strategies of the required interventions must keep in mind the role and individuality of each State. Thus, it is necessary to focus on state-level sub-strategies of natural resource management for holistic revival of River Ganga.

The present document attempts to provide a comprehensive picture of the Uttar Pradesh River network. This Atlas was created entirely by cGanga, with original mapping of all identifiable rivers, and with selective additional information culled from different sources for completeness. Many of the rivers and maps given here are not readily available elsewhere, and we expect them to prove useful to the many Central, State, and other organizations engaged in the river water or natural resource management in the state of Uttar Pradesh.

In preparing this document dedicated members of cGanga spent a lot of time in diligently studying, analysing, acquiring, and compiling diverse information from diverse sources. Many people and organisations outside cGanga also helped in its preparation, which aided in its comprehensiveness. We are grateful to one and all of them.

VINOD TARE

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ACRONYMS AND ABBREVIATIONS

BCM	: Billion Cubic Meter
cGanga	: Centre for Ganga River Basin Management and Studies
Cumec	: Cubic meter per second
CWC	: Central Water Commission
DEM	: Digital Elevation Model
GIS	: Geographic Information System
GRBMP	: Ganga River Basin Management Plan
HE	: Hydroelectric
Km	: Kilometer
LULC	: Land Use/ Land Cover
M	: Meter
MCM	: Million Cubic Meter
mm	: millimeter
Sol	: Survey of India
Sq. Km.	: Square Kilometer
SWAT	: Soil & Water Assessment Tool

INTRODUCTION

Uttar Pradesh has a total area of 232,444.60 sq km which is about 7.07 percent of the total area of the country. It is fourth largest state in the country having more than 32 large and small rivers. Uttar Pradesh is one of the 11 states (Uttarakhand, Uttar Pradesh, Bihar, Chhattisgarh, Delhi, Haryana, Himachal Pradesh, Rajasthan, Madhya Pradesh, Jharkhand and West Bengal) from where the Ganga river or her tributaries flows. The present volume is a first attempt to map the rich river network of Uttar Pradesh in as fine a detail as possible. Much of the information contained in this River Atlas is not available in any other document and was created in original from available earth images with appropriate data and image processing tools and software on GIS platform. Naturally, there may be shortcomings in some of the maps herein, including missing small streams, which can be expected to be duly refined and included in later versions. Also, a river atlas is often useful in conjunction with other natural resource and anthropogenic information such as the distribution of rainfall and other climatic data, other waterbodies, forest cover, elevations, soil types, other physiographic information, land use, tourist and pilgrimage centres, and infrastructure including roads and highways. Such other relevant information is also expected to be processed, assembled, and included later in a fuller version of this Atlas. In the meanwhile, it is hoped that this Atlas will provide a useful window to Uttar Pradesh River resources.

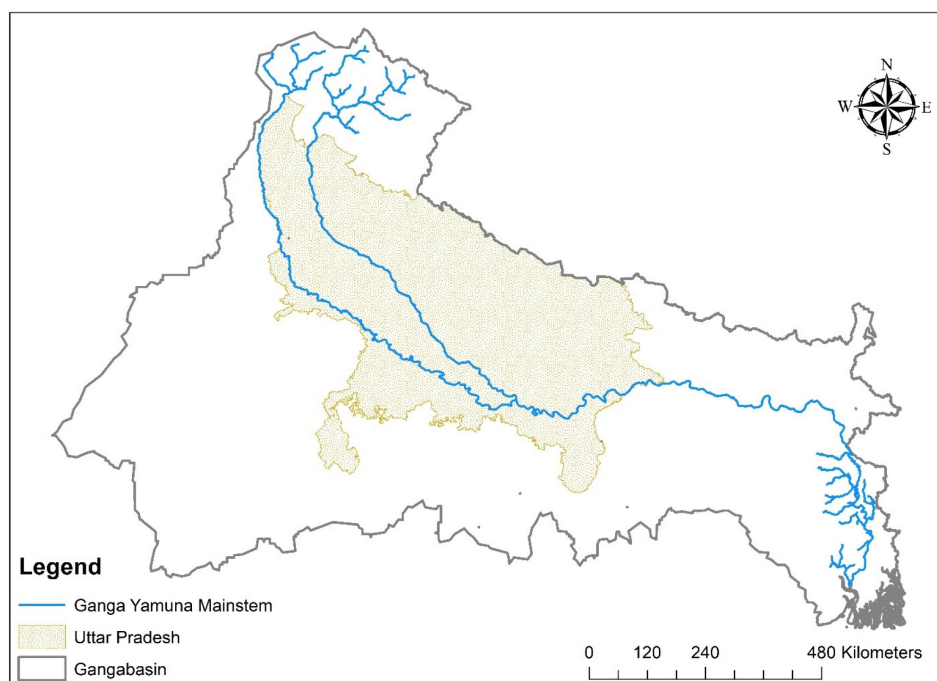


Figure: Uttar Pradesh in Ganga Basin

UTTAR PRADESH: SALIENT FEATURES

S No	Particulars	Details
1	State Extent	Latitude: 24° 00' & 30° 50' N and Longitude: 77° 35' & 84° 50' E
2	Total Geographical Area (sq. km)	2,32,444.60
4	Area contributing to Ganga Basin (sq km)	2,32,444.60
5	Percentage of the Ganga Basin Area (India) (%)	26.98
6	Districts (Census 2011)	75
7	Towns (Census 2011)	(Class I: 63; Class II: 59; Class III: 232; Class IV: ; Class V: ; Class VI:)
8	Total Population (Census 2011)	199,812,341
9	% Population in Ganga Basin	
10	Gram Panchayats	73,948
11	Villages	101,736
12	Average Annual Rainfall (mm)	800 - 950
13	Average Temperature Range (oC)	3.0 – 45.0
14	Major Rivers	Ganga, Yamuna, Hindon, Kali East, Ramganga, Gomti, Ghaghra, Betwa, Ken, Senger, Sai, Rapti
15	Number of Major Basins (04 or above order river basins)	05
16	Number of Water Resources Structures	(Dams: 110, Barrages: 32, Weir: 00, Anicuts, Lifts, Power houses)
17	Number of Ground Water Observation wells	Level: 10,620 Quality: 953
18	Number of CWC Sites	32

UTTAR PRADESH: RIVERS TRAVERSING THROUGH VARIOUS DISTRICTS

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
1	Uttar Pradesh	Barabanki	7680	4021243	25.38	524	Babai River, Bagtala Nala, Baha Nadi, Bajahi, Bhagahar N, Bhatiya Nadi, Bhola Nala, Chawa Nala, Chhauwa Nala, Dahawar River, Ghaghi Nadi, Ghaghra, Ghaghra Nadi or Ull River, Jarahi Nala, Jauraha Nala, Jhana, Kewani Nadi or Kewani Nala, Phataha Nala, Saidapur Drain, Sardha River, Sarju or Suhelli River, Shukhni Nadi, Shukhni Nala, Sotia Nala, Sotiya Nala., Surma Nala, Sutiya Nala, Tikona Nala
2		Agra	4,041	4418797	22.05	1093	Balrai Escape, Barara Drain, Barauda Mashrakpur Drain, Bawan Tikri Drain, Bisundri Nala, Chambal River, Chit Drain, Chulhai Nala, Garhiman Drain, Gopau Drain, Gubbins Drain, Harnad Drain, Jagrajpur Drain, Jajau Drain, Jhinjhan Nadi, Kakua Drain, Karwan Nadi, Khari Nadi, Kwar Nadi, Lohendi Nala, Loheri Nala, Malpura Drain, Pachgain Drain, Patsal Drain, Rohta Pachgainn Drain, Shahpur Rankauli Drain, Singaicha Drain, Utangan River, Yamuna
3		Aligarh	3650	3673889	22.78	1007	Arabamada Nala, Atari Drain, Bainjana Drain, Basera Cut, Bhankri Aibasi Drain, Bhureka Drain, Bijaigarh Drain, Bulandpur or Nimgaon Drain, Chherat Drain, Chhoiya Nala, Choyi Drain, Dabthala Branch, Dadon Drain, Daheli Drainage Cut, Dansauli Drain, Dhundar or Dehar Nala, Ganga, Husainpur Jarella Cut, Jafari Drain, Jamon Drain, Jatari Drain, Kali, Kara Cut, Karaila Drain Cut, Karwan Nadi, Kaulahar Drain, Khandeha Drain, Kharia Nala, Kilpur Drain, Konchhor Drain, Kunda Nala, Lahtoi Drain, Moshinpur Drain, Nibsani Drain, Palra Drainage cut, Patawaha Nala, Patwaha Nala, Rind River, Sengar Nadi, Shadipur Cut, Siwala Nala, Takipur or Parauri Drain, Tejpur Cut, Teori Drainage Cut, Thiramai Drain, Yamuna
4		Ambedkar nagar	5237	3487731	46.48	666	Babai Nala, Babai River, Babhni Nadi, Bhaghar Nala, Biswi Nadi, Dhundra Nala, Ghaghra, Ghagwa Nadi, Jamaar Nala, Jhingri Nala, Jhinha Nala, Karhera Nala or Bhakausa Nala, Katuwa Nala, Khudwa Nala, kurai Nala, Madarla Nala, Maila Nala, Majhoi Nadi, Muhammada Nala, Narwa Nala, Old Bed of Chaureri River, Rakya Tal, Risia Nala, Sarju or Suhelli River, Sarju River, Seti, Sigahi Nala, Soti Nadi or Chuka Nala, Soti Nala, sotia Nala, Sotiya Nala, Sukhni Nala, Tamsa River, Tehri Nadi
5		AMROHA	2249	1840221	22.76	818	Bagad Tikta, Baia Nadi, Burganga River, Chhoeya River, Chhoiya Nala, Ganga, Mahawar River, Nakta Nala, Ramganga , Ramganga , Sotia River, Siamsundar Nala, Siamsundar Nala

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
6	Uttar Pradesh	Auraiya	2,016	1379545	16.91	78.95	Adhasi Drain, Ahneya River, Akbarpur Nala, Baghaipur Drain, Bharsain Drain, Bhaunakpur Drain, Bijhai Drain, Chhachhund Drain, Chhoha Nala, Dharia Nala, Kamara Drain, Kanchausi Drain, Khanki Nala, Kothpur Drain, Pandu River, Panhar Drain, Phaphund Drain Cut, Puraha Nadi, Rind River, Siyari Nala, Taiku Nala, Yamuna
7		Ayodhya	2,341	2470996	18.29	1056	Achhnain Nala, Biswi Nadi, Choti Saryu River, Majhoi Nadi, Ghaghra, Pikia Nala, Sagrauna Nala, Tamsa River
8		Azamgarh	2952	2684703	23.5	909	Baghela, Balia Nala, Besu River, Bijaisalahi Nala, Bokwa Nala, Choti Gandak, Choti Sarju Nadi, Dandoh Nala, Dhunakwa Nala, Dono River, Dumraha, Gangi River, Ghonghi Nadi, Hirni Nala, Jhinga Nala, Kakeri Nala, Kalan Nala, Kanchi or Duranchi Nala, Khamukhar Nala, Khekhra Nala, Khurna Nala, Kula Nala, Madrahi, Maghai River, Mahau, Majhna Nala, Majhoi Nadi, Malaon, Maun Nala, Nadao Nala, Pharend Nala, Piyas Nala, Potaha, Powa Nala, Ghonghi, Rihaw Nala, Rohini River, Sonia, Sota Nala, Soya Nala, Tamsa River, Terhar Nala, Tura Nala, Udanti River
9		Baghpat	1321	1303048	11.95	986	Ailam Drain, Baraut Drain, Daula Drain, Hindon, Jani Escape, Kali West, Kandhala Drain, Kandhla Drain, Krishni River, Krisni River, Lumb Drain or Unchagaon Drain, Mukandpur Drain, Natural or Kirthal Drain, Rampur Drain, Sup Drain, Tehra Drain, Yamuna
10		Bahraich	2905	3564544	23.2	1227	Bagahi Nala, Banri Nala, Barhari Nala, Chauwar Nala, Dahi River, Duhari Nala, Ghaghart Nala, Ghaghi Nala, Jamuhar Nala, Jethan Nala, Kakeri Nala, Kanchi or Duranchi Nala, Kurna Nala, Majhna Nala, Maun Nala, Pharend Nala, Sonda Nala, Sonda Nala Luvkush Drain, Sonra Nala,,
11		Ballia	2540	3100946	14.31	1221	Bathwa Nala, Buddhi Nala, Choti Gandak, Duhari Nala, Duna Nala, Ganga, Haha Nala, Jamuar Nala, Jharahi, Kanchi or Duranchi Nala, Karmani Nala, Katna Khurd Nadi, Khanarwa Nala, Khand Nala, Khanua Nadi, Kirhi Nala, Koilar Nala, Kurna Nala, Maghai River, Mahlan Nala, Majhana Nala, Nakta Nala, Pakul Nala, Rapti River, Tamsa River, Taraina Nadi
12		Balrampur	5743	4483992	23.88	781	Bakwa Nala, Chaurari Nadi, Dastura Drain, Dhudha Nala, Gabaria Nala, Gobaria Nala, Hirnoti Drain, Kakrehia Nala, Karwan Nadi, Kewani Nadi or Kewani Nala, Pangan Nadi, Naiya Nala, Saidapur Drain, Somli Nadi, Ull River or Chauka River
13		Banda	4,408	1799410	17.05	408	Anti Nala, Baghain River, Baghela Nala, Bandarha Nala, Banganga Nadi, Barar Baraundha Nala, Barar Nala, Bedna Nala, Bharedi Nala, Bilad Nadi, Bisahil Nala, Boda Nala, Bokrha Nala, Busand Nala, Dubari Nala, Garhara Nala, Gharar Nala, Ghinhal Nala, Gohiya Nala, Gupla Nala, Havya Nala, Kalind Nala, Kalind Nala, Karaili Nadi, Khaddi Nala, Koyal Nadi, Koyalaha Nala, Loni Nala, Madhurayal Nala, Madrar Nala, Makrar N, Matiyara Nala, Mohda Nala, Pandwa Nala, Pathar Nala, Patihar Nadi, Pipra Nala, Ranj River, Rewai Nadi, Sahewa Nala, Sakro Nala, Sarwa Nala, Sukhui Nadi, Surki Nala, Susiyarh Nala, Tirgoria Nala, Usra Nala, Yamuna

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
14	Uttar Pradesh	Bareilly	4120	4448359	22.93	1080	Absara Nadi, Andhara Nala, Andhara Nala, Aril Nadi, Aril Nadi, Bagaiya, Bagaiya Rlver, Bahral, Bajha Nadi, Banarasi Nala, Barai Nadi, Baraur Nadi, Basit Nala, Bhakra N, Dania Nala, Danian N, Deorianian Nadi, Dhora River, East Bahgul Nadi, Garra River, Ganda Nala, Gaula/Bahgul River, Gauneya Nadi, Gora N, Gundhia N, Kahlaiya Nadi, Kailas Nadi, Kandu Nala, Khaira N, Khajaiya, Khalmacha Nala, Kharra, Kharra Nala, Kharra Nala 2, Kichha Nadi, Kilwa Nala, Kilwa Nala, Kuli Nadi, Kundu Nala, Launchha Nala, Madani N, Nahal Nadi, Nakatia Nala, Narha Nadi, Nawab Nadi, Pairiya Nadi, Pilakhar Nadi/Baur Nadi, Pilakhar River, Ramganga, Reoti Nala, Sankha Nadi, Sidda, Singia Nala, Sokhai Nala
15		Sant Ravi das Nagar	1,015	1,578,213	16.58	1555	Basuhi Nadi, Ganga, Varuna River, Morwa River
16		Bijnor	4561	3682713	17.6	807	Amla, Bambhak Sot, Baia Nadi, Ban River, Banaili River, Banra, Banra Nala, Bega Sot, Chhoeiya River, Chorpani Sot, Dangrai Nala, Dhara River, Dharak River, EKra Nala, Ganga, Gangan River, Ghuna Sot, Ghurnetor Sot, Gujar Sot, Gula Nala, Hathiya Sot, Jara Sot, Jori Sot, Kalu Shahid Sot, Kanya Sot, Karula Nala, Karula River, Katheni Nala, Khala Nala, Khaliya Nala, Khari, Khoh River, Kilauli Sot, Koot, Koti Rao, Lalbra Sot, Mahlwali River, Malin Nadi, Maugadi Sot, Nachna Nala, Nalkata Sot, Nim Sot, Nungarha Sot, Padhoi Nadi, Pahara Nala, Paniyali Sot, Patharia Nala, Peliya Khala, Pelkhala River, Pili River, Ramganga, Ramjiwala Sot, Sanghai Nala, Sarkara Sot, Sinpya Nala, Sukh Rao, Surankhal Nala, Uni River, Amla, Bambhak Sot, Ban River, Banaili River, Banra, Banra Nala, Bega Sot, Chorpani Sot, Dangrai Nala, Dhara River, Dharak River, EKra Nala, Gangan River, Ghuna Sot, Ghurnetor Sot, Gujar Sot, Gula Nala, Hathiya Sot, Jara Sot, Jori Sot, Kalu Shahid Sot, Kanya Sot, Karula Nala, Karula River, Katheni Nala, Khala Nala, Khaliya Nala, Khari, Khoh River, Kilauli Sot, Koti Rao, Lalbra Sot, Mahlwali River, Maugadi Sot, Nachna Nala, Nalkata Sot, Nim Sot, Nungarha Sot, Padhoi Nadi, Pahara Nala, Paniyali Sot, Patharia Nala, Peliya Khala, Pelkhala River, Pili River, Ramganga, Ramjiwala Sot, Sanghai Nala, Sarkara Sot, Sinpya Nala, Solani River, Sukh Rao, Surankhal Nala, Uni River
17		Budaun	5168	3681896	19.95	712	Aril Nadi, Aril Nala, Bajha Nadi, Ganga, Junari Nala, Kamra River, Karma River, Mahawar River, Narha Nadi, Ramganga, Sota River, Sotia River, Sukatiya
18		Bulandshahr	4512	3499171	20.12	776	Baral Nala, Bhatola Nala, Chhoiya River, Dastura Drain, Ganga, Gulaothi Nala, Hirnoti Drain, Karwan Nadi, Nim River, Palra Drainage cut, Siyana Drain, Teori Drainage Cut, Zainpur Drain
19		Chandauli	2,541	1952756	18.83	768	Bhainsora Nala, Chandra Prabha Nadi, Chandraprabha River, Eknaiya Nala, Ganga, Gavai River, Gurwata River, Kanhara Nala, Karamnasa River, Khajro Nala

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
20	Uttar Pradesh	Chitrakoot	3,216	991730	29.43	308	Amriti Nadi, Aunjhar Nala, Baghain River, Bahnar Nala, Bahri Nala, Banganga Nadi, Bansaha Nala, Barar Nala, Barera Nala, Bargaon Nala, Bariara Nala, Barsot Nala, Barwa N, Bhainsaha Nala, Bhainsondha Nala, Bhurra Nala, Bihar Nala, Bilari Nala, Boda Nala, Bundela Nala, Chandaha Nala, Damodar Nala, Dasrathgarh Nala, Dhora Nadi, Dingchi N, Gaira N, Gangiwa Nala or Deodaha Nala, Ganta Nadi, Garhai N, Garhara Nala, Gauhia Nala, Gendua River, Ghinhal Nala, Girwa Nadi, Gohiya Nala, Hagni Nala, Jaiwanti Nala, Jhurai, Kachhaha Nala, Kachhar Nala, Kachhua Nala, Karwariha Nala, Katel Nala, Katthla Nala, Kewai, Kharsaha Nala, Khurkhana Nala, Kulgara Nala, Makrar N, Nala, Neoraha Nala, Ohan River, Paisuni River, Palhan Nala, Pandwa Nala, Parari Nala, Paroi Nala, Pindrah Nala, Samrai Nala, Sapha Nala, Satetha Nala, Satra Nala, Suhera Nala, Sukhui Nadi, Sukra Nala, Thoti N, Yamuna
21		Deoria	4054	4613913	17.11	1138	Choti Saryu River, Choti Saryu River, Deonai Jhil, Gandhaiya Nala, Ghaghra, Kunwano River, Pikia Nala
22		Etah	2431	1774480	13.62	730	Awagarh Nala, Baghwala Nala, Barai Drain, Barwana Drain, Bharera Drain, Bhaupura Drain, Ekhu Drain, Gahala Drain, Harnad Drain, Junesi Escape, Kachaura Drain, Kak Nadi, Kansuri Drain, Karon Nala, Kartala Drain, Khajura Drain, Khara Nala, Khara Nala 2, Mahanmai Drain, Malawan Nala, Marahra Drain, Milak Banehra Nala , Mohanpur Drain, Rajwana Drain, Rind River, Sengar Nadi, sirsa Nadi, Targawan Drain, Isan River, Kali
23		Etawah	2,311	1,581,810	18.15	684	Ahneya River, Alampur Drain, Anepur Drain, Baghaipur, Balrai Escape, Bhainsarai Drain, Bijauli Drain, Chambal River, Khaki Nala, Khaki Nala, Kunwari River, Nashidipur or Anepur Drain, Puraha Nadi, Ramain Drain, Ritaru Drain, Sindh River, Sirsa Nadi, Takpura Drain, Turakpur Drain, Ujhlani Drain, Yamuna
24		Farrukhabad	2181	1885204	20.05	864	Burganga Drain (Bilsari Branch Drain), Ganga, Janaura Supplementary cut, Janaura Supplementary cut, Kali, Kali, Kharwa Nala, Kharwa Nala, Old Ganga (Burhi Ganga), Ramganga
25		Fatehpur	4,152	2632733	14.05	634	Achhuiya Nala, Barayar Nala, Baredi Nala, Bokarha Nala, Chhalauli Nala, Ganga, Gindia Nadi, Harha Nala, Karon Nala, Kilnahi Nadi, Kuri Nala, Loni River, Madhurayal Nala, Mohanda Nala, Non Nadi, Pachhimi Nala, Pandu River, Paniha Nala, Phutapur Nala, Rind River, Sahura Nala, Sasur Khaderi Nadi, Saur Khaderi Nadi, Supa Nala, Teni Drain, Yamuna
26		Firozabad	2,407	2498156	21.69	1038	Yamuna, Balrai Escape, Ganda Nala, Jhirna Nala, Harnad Drain, Kauaundi Nala, Nadiya or Jhirna Nala, Madanpur Drain, Nadiya or Jhirna Nala or Aonri Drain, Madanpur Drain, Rind River, Katena Drain, Kanhao Nala, Sirsa Nadi, Gahala Drain, Chhichhamai Nala, Balau Drain, Ahmadpur Drain, Awagarh Nala, Ekhu Drain, Achhnain Nala, Choti Saryu River, Ghaghra, Pikia Nala, Isan River, Bharera Drain

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
27	Uttar Pradesh	Gautam Budha Nagar	1282	1648115	37.11	1286	Alauda Cut, Bhikanpur Drain, Bhuriya Nala, Changauli Cut, Chitehra Drain, Dansauli Drain, Dasna Drain, Dasna Drain, Dastura Drain, Dhum Dujana Drain, Hindon, Hirnoti Drain, Jawah Cut, Kalupura Drain, Kanpur Cut, Kapna Drain, Karwan Nadi, Kharia Nala, Lohiya River or Palla Drain, Machar Drain, New Jhajhar Drain, Patawaha Nala, Subra Drain, Takipur or Parauri Drain, Tirthill Drain, Yamuna
28		Gazipur	3,377	3620268	19.18	1.72	Besu River, Dono River, Eknaiya Nala, Gaggi River, Ganga, Gavai River, Godhri Nala, Karamnasa River, Kharari Nala, Khariya Nala, Maghai River, Tamsa River, Udanti River
29		Ghaziabad	1179	4681645	42.27	3971	Dasna Drain, Bhikhampur Drain, Kali, Bajhera Drain, Baral Nala, Chhajarsai Drain, Chhoiya Nala 2, Dhaulana Drain, Dindala Drain, Hawa Nala, Hiwai Drain, ikla Drain, Kali, kharauli Nala or Chhoiya Nala, Kithor Drain, Nijampur Drain, Nim River, Niwari Drain, Nurpur Drain, Raidhana Drain, Ratanpura Drain, Shamli Drain, Sheikhpur Drain, Sikri Khurd Nala, Siwia Escape, Tibara Nala
30		Gonda	2341	2470996	18.29	1056	Ghaghra, Kasera Nala, Kasera Nala, Terhi Nadi, Tihora Nala
31		Gorakhpur	2981	3239774	17.31	1087	Ghaghra, Ghori Nala, Jharahi, Kol Nala, Pharhi Nala
32		Hamirpur	4,021	1104285	5.8	275	Amwala N, Bamrala N, Bao Ka Nala, Baredi Nala, Barwahar N, Betwa River, Bharhar N, Bhariya N, Bhawani N, Bhera N, Chhechh Nala, Chitwaha Nala, Chuayad Nala, Dhasan River, Gaindar N, Gandha Nala, Garahi N, Jaksia Nala, Jharal N, Kachheri N, Karondha N, Kulaho Nala, Linga Nala, Mahila Nala, Mora Ka Kandar, Parwa Nala, Parwar Nadi, Piprahar N, Qazi N, Rohain Nala, Sona N, Virma River, Yamuna
33		Hardoi	5986	4092845	0.2044	684	Ganga, Garra River, Kali, Ramganga
34		Jalaun	4,565	1689974	16.19	370	Bao Ka Nala, Betwa River, Bhadaian Nala, Bhitari Nala, Dhamna Nala, Dhamna Nala, Dhasak Nala, Dikauli Drain or Madhogarh Drainage Cut, Gidhan Nala, Gohan Drain, Jaksia Nala, Kaimaha Nala, Kanyar Nala, Konchmalenga Nala, Kurar Nala, Lohai Ka Nala, Manmaheshwari Nala, Milga Nadi, Mjhauna Drain, Mora Ka Kandar, Narel Nala, Non Nadi, Pahuj River, Parwar Nadi, Percolation Drain left Bank, Rayar Nala, Sarel Nala, Sasor Nala, Sindh River, Sirsa Drain, Sultanpur Drain, Taiku Nala, Yamuna
35		Jaunpur	4,038	4494204	14.89	1113	Bao Ka Nala, Basuhi Nadi, Besu River, Betwa River, Bhadaian Nala, Bhitari Nala, Dhamna Nala, Dhamna Nala, Dhasak Nala, Dikauli Drain or Madhogarh Drainage Cut, Gangi River, Gidhan Nala, Gohan Drain, Jaksia Nala, Kaimaha Nala, Kanyar Nala, Konchmalenga Nala, Kurar Nala, Lohai Ka Nala, Manmaheshwari Nala, Milga Nadi, Mjhauna Drain, Mora Ka Kandar, Narel Nala, Non Nadi, Pahuj River, Parwar Nadi, Percolation Drain left Bank, Pilkhini River, Rayar Nala, Sarel Nala, Sasor Nala, Sindh River, Sirsa Drain, Sultanpur Drain, Taiku Nala, Varuna River, Yamuna

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
36	Uttar Pradesh	Jhansi	5,024	1998603	14.54	398	Angori Nadi, Baberi N or Hansari Nala, Badal Khoh Nala, Bahu Nala, Baijlu Nala, Bakanwara Nala, Baraiya Nala, Barar Nala, Bararu Nala, Bardiya Nala, Barwa Sagar Nadi, Barwao Nala, Basa Nala, Bhada Nala, Betwa River, Bhagri Nala, Bijalisain Nala, Bipra Nala, Chhechh Nala, Chhinga Nala, Chhingra Nala, Chuli Nala, Dadonia Nala, Dhanera Nala, Dhasan River, Dhobi Nala, Dudehri Nala, Dungri Nadi or Dumrai Nadi, Gadariya Nala, Gahrao Nala, Gairaha Nala, Galgal Nala, Garaghat Nala, Garboro Nala, Geropur Nala, Ghongi Nala, Ghurari, Gola Nala, Gomta Nala, Gulati Nala, Hardiya Nala, Jaidabar Nala, Jhilmil Nala, Jhinna Nala, Kachnar Nala, Kaira Nala or Parara Nala, Kalapani Nala, Kanera Nala, Karaundi Nala, Kelaro Nala, Kenwara Nala, Keolar Nala, Khaganni Nadi, Khaira Nala or Na ki Nariya, Khaprar Nadi, Kharaiya Nala, Khen Nala, Kurari Nadi, Lakheri Nala, Las Nala, Luka Nala, Manmaheshwari Nala, Marha Nala, Mona N, Nalan Nadi, Narai Nala, Navariya Nala, Pahuj River, Palwan Nala, Panaya Nala, Parara Nala, Parsua Nala, pateriya Nala, Patrahi Nadi, Piyara Khar, Powari Nala, Sakha Nala, Samogar Nadi, Sanda Nala, Sanna Nala, Saprar Nadi, Sarel Nala, Sasor Nala, Sijar Nala, Sukhnai Nadi, Sukhnai Nadi 2, Sukhnai Nala, Sukhni Nadi, Sura Nala, Surra Nala, Urr Nadi, Tol Nala
37		Kannauj	2093	1656616	19.27	792	Binisa, Chirawar Drain, Ganga, Isan River, Janaura Supplementary cut, jJanaura Drainage Cut, Kali, Pandu River, Rind River, Udhannapur Drain, Umgara Drain Cut
38		Kanpur	3,155	4581268	9.92	1452	Betwa River, Gadraha Nala, Ganga, Isan River, Jehra Nala, Kalwa Nala, Kuri Nala, Nahar Nala, Non Nadi, Non Nala, Pandu River, Rind River, Umgara Drain Cut, Yamuna
39		Kanpur Dehat	3,021	17,96,184		595	Bari Drain, Bhitari Nala, Chandkhura Drain, Chhoha Nala, Karaundia Nala, Karela Nala, Karka Nala, Kasolar Drain, Khamela Drain, Linjhi Nala, Nandpur Escape, Non Nadi, Non Nala, Pandu River, Ratwaha Nala, Rind River, Siyari Nala, Supa Nala, Taiku Nala, Tikangaon Drain, Yamuna
40		Kansiram Nagar	1955	1436719	16.93	735	Behta Drain, Bhaupura Drain, Etbarpur Drain, Jhabar Drainage cut, Kartala Drain, Khajura Drain, Khojpur Drain, Mohanpur Drain, Namaini Drain, Nim River, Sanmothi Mohanpur Drain, Sevka Nala, Sidhpura Nala, Sikaira Drain, Singpur Drain, Wazirpur Nala
41		Kasganj	1,955	1436719	16.93	735	Ganga, Old Ganga (Burhi Ganga), Sota River,
42		Kaushambi	1,779	1599596	23.7	899	Bahnar Nala, Basundhara Nala, Birdhi Nala, Chhoti Kilnahi Nala, Ganga, Gangiwa Nala or Deodaha Nala, Gindia Nadi, Kalla Nala, Kilnahi Nadi, Pali Nala, Sasur Khaderi Nadi, Satra Nala, Yamuna
43		Kheri	4003	3433919	24.17	858	Baghnarwa Nala, Barsot Nala, Belai Nala, Bisahi Nadi, Chamdai Nadi, Chandahi Nadi, Chaubepur Nala, Ghadhauwa Nala, Ghaghra., Jahda Nala, Karhera Nala or Bhakausa Nala, Kunwano River, Kurai Nala, Manawar River or Manorama, Mutaha Nala, Nagaria Nala, Narkutwa Nala, Pindariya Nala, Rawai Nadi, Sarju River, Sevei Nala, Terhi Nadi

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
44	Uttar Pradesh	Kushinagar	4402	3260699	21.96	741	Bahoriya Nala, Bansi River, Gandak, Jori Nala, Jyori Nala, Old Bed Of Chaureri River, Somli Nadi
45		Lalitpur	5,039	1221592	24.94	242	Amjhara Nala, Bagner Nala, Baina Nala, Bajair Nala, Banai Nadi, Bandai Nadi, Bangariya Nala, Banjaria Nala, Bapra Nadi, Baralya Nala, Barawa Nadi, Barwa Nala, Baskariya Nala, Bau Nala, Bera Nala, Betwa river, Bhadar Wala Nala, Bhadohada Nala, Bhaur Ka Nala, Bhuwanan Ka Nala, Bijauriya Nala, Bijuriya Nala, Chelna Nala, Dabkhuwa Nala, Damanjri Nala, Damra Nala, Datwa Nala, Derasaundh Nala, Dhauri Nala, Dhobiya Nala, Dhobiya Nala, Donda Nala, Donga Nala, Dudh Bhandar Nala, Dunatar Nala, Duptariya Nala, Gambhir Nala, Gangora Nala, Gangotri Nala, Garagau or Lakheri Nala, Ghunsi Nala, Gullaghat Nala, Hagla Nala, Hardiya Nala, Imarati Nala, Jamanara Nala, Jamni River, Jamrar Nadi, Jamunia Nala, Jamua Nala, Jamuniya Nala, Jogna Nala, Kachnauda Nala, Kanera Nala, Kankaddar Nala, Karadunr Nala, Kartoran Nala, Kenar Nala, Khair Wara Nala, Khajara Nala, Khajuriya Nala, Khajuriya Nala, Khapariya Nala, Khariya Nala, Khirara Nala, Kund Nala, Kundka Nala, Lalkawa Nala, Lera Nala, Lilji N, Magru Nala, Malanda Nala, Malandu Nala, Maugha or Bharka Nala, Nagda Nala or Paneyan Nala, Nakata Nala, Nanni Nadi, Narain Nadi, Nauruwa Nala, Nihani Nadi, Not Nadi, Orni River, Paniya Nala, Patal Nala, Patariya Nala, Pateriya Nala, Pateriya Nala, Pateriya Nala, Pateriya Nala, Pathajhor Nala, Patkoan Nala, Paurwa Nala, Phulbag Nala, Rapta Nala, Rita Nala, Rohini River, Sahjad River, Sajnam River, Samu Nala, Sauna Nala, Saunr Nadi, Sukarwa Nala, Terha or Naku Nala, Utar Nadi
46		Mahamaya Nagar	1840	1564708	17.12	850	Arabamada Nala, Karon Nala, Kachaura Drain, Kali, Isan
47		Maharajganj	3321	4440895	17.81	1337	Aami River, Baluahwa Nala, Barhari Nala, Chillua Nala, Churma Nala, Gandak, Ghaghra, Hasuni Nadi, Jahda Tal, Jamura Nala, Kalan Nala, Kapuri Nala, Katna Nadi or Gaura Nadi, Khudwa Nala, Khurna Nala, Kunwano River., Majhna Nala, Manjharia Tal, Pharend Nala, Pikia Nala, Powa Nala Ghonghi, Rapti River, Rohini River, Salahni Nala, Sonwan Nala, Surma Nala, Taraina Nadi, Taraina Nala, Tura Nala, Wayasi Nala, Zaidi Nala
48		Mahoba	3,144	875958	23.64	279	Amwala N, Arjun Nadi, Bhairon N, , Badhori N, Barhori N, Baswaha N, Bharhar N, Bhariya N, Bharua N, Bhawani N, Bibhar N, Bilwa Nala, Darwaha N, Dawai N, Dawai N 2, Dharagri Nala, Dhasan River, Dheri Nala, Gagna N, Gandha Nala, Garahi N, Gunchi N, Gunchi River, Kachari N, Karondha N, Keolari Nadi, Khairaha Nala, Khero Nala, Konara Nala, Kukrail Nala, Nanha N, Palwan Nala, Paniar N, Parseri N, Reodari N, Saleha N, Saleha N 2, Sukha N, Unnu N, Urahu Nala, Virma River
49		Mainpuri	2760	1868529	17.02	677	Agrapur Drain, Bajhera Drain, Bhanwant Drain, Bhongaon Drain, Bikrampur Drain, Binisa, Ganga Jamni Nala, Janaura Drainage Cut, Janaura Supplementary cut, Jawapr Drain, Junesi Escape, Kak Nadi, Kali, Kanhao Nala, Khara Nala, Khara Nala, Kinhawar Drain or Naya Nala, Kori Nala, Kosma Drain, Malawan Nala, Naka Drain, Natauli Drain, Purha Nadi, Rajwana Drain, Rind River, Shibpur Drain, Sirsa Drain, Chirawar Drain, Isan River

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
50	Uttar Pradesh	Mathura	3,340	2547184	22.78	763	Bhartiya Drain, Baharawali Branch Drain, Bandi Drain, Banmauli Drain, Barauda Mashrakpur Drain, Bhulana Nala or Prakharpur Drain, Bhurekha Drain, Bulandpur or Nimgaon Drain, Depression Drainage Cut, Goverdhan Drain, Halwana Drain, Hathana Drain, Kaulahar Drain, Khandeha Drain, Kosi Arterial Drain, Mahaban Drain, Nagla Drain, Nibsani Drain, Pachahra Drain, Patwaha Nala, Phondar Drain, Pilwa Drain, Ral Drain, Shal Cut Drain, Sihana Drain, Tarauli Branch Drain, Tarauli East, Undi Branch Drain, Yamuna
51		Mau	1646	1715183	20.77	1042	Aami River, Barka Nala, Budha Nadi, Choti Saryu Nadi, Garia Nala, Ghaghra, Kathinayya River, Keonaiya Nadi, Khariya Nala, Khudwa Nala, Kunwano River, Kusiari Nala, Maghai River, Pachhu Nala, Repti River, Reruwa Nadi, Tamsa River
52		Meerut	2559	3443689	14.89	1346	Abu ka Nala, Abu Nala2, Bali Drain, Burganga Drain, Burganga River, Chandasamand Drain, Chharbariya Drain, Chhoeya River, Chhoiya Nala2, Chhoiya Nala3, Dindala Drain, Ganga, Gagsona Drain, Hawa Nala, Hindon, Ikla Drain, Jani Escape, Kaili Drain, Kali, Kali West, kharauli Nala or Chhoiya Nala, Khatauli Nala, Kithor Drain, Mawana Drain, Meerut Nala, Patahuli Drain, Raidhana Drain, Sardhana Drain, Sheikhpur Drain, Shimla Drain, Siwal Drain, Soti Drain, Soti Drain 2, Soti Drain 2
53		Hapur					Burganga River, Ganga
54		Mirzapur	4,405	2,496,970	18	567	Adwa Nadi, Bakhar Nadi, Belan River, Chandraprabha River, Ganga, Harrai River (Ojhala River), Kalkaliya River, Karnawati River
55		Moradabad	3718	4772006	25.22	1283	Aril Nala, Damdama, Dhandhi Nadi, Dhela River, Gangan River, Ghughwa Nala, Harya Nala, Jabdi Nala, Kachhia Nala, Kachhua Nala, Karula Nala, Kawakhar Nala, Khalia Nala, Koshi River, Kurka River, Lapkana, Nachna Nala, Nachna Nala, Nechiya Nala, Nochiya Nala, Rajhera Nala, Ramganga, Repi Nala, Repi River, Saryu River / Bahalla Nadi, Siamsundar Nala
56		Muzaffarnagar	4008	4143512	16.94	1034	Abu Escape, Abu Escape, Abu Nala 2, Ailam Drain, Ailam Drain, Bainisini Cut, Bainisini Cut, Barla Chhaper Drain, Barla Chhaper Drain, Basaich Drain, Chandasamand Drain, Chandrapur Drain, Chandrapur Drain, Chartawal Escape, Chartawal Escape, Dahchanda Ghisukhera Drain, Dahchanda Ghisukhera Drain, Dhandhera Drain, Dhandhera Drain, Ganga, Gagsona Drain, Harsauli Drain, Harsauli Drain, Hindon, Hindon, Imliya Nala, Imliya Nala, Jansath Nala, Jat Mujhara Drain, Jat Mujhara Drain, Kali West, Kali West, Khala Nala or Chakwali Nala, Khala Nala or Chakwali Nala, Khatauli Escape, Khatauli Escape, Khatauli Nala, Khuda Drain, Khuda Drain, Khusarpur Drain, Khusarpur Drain, Kotesara Drain, Kotesara Drain, Krishna River, Krishna River, Kurka Drain, Kurka Drain, Kutubpur Drain, Kutubpur Drain, Ladpur Drain, Meghakheri Drain, Meghakheri Drain, Mehari Drain, Mehari Drain, Muhammadpur Drain, Muhammadpur Drain, Naspur Drainage Cut, Naspur Drainage Cut, Purkazi Drainage Cut, Purkazi Drainage Cut, Rataur Drain, Roni Drain, Roni Drain, Sluice Drain, Sluice Drain, Solani River, Soti Drain, Tejal Hera, Tejal Hera, Tifra Ainabad Nala, Tifra Ainabad Nala

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
57	Uttar Pradesh	Shamli					Aldi Drain, Bahlolpur Cut, Bhainswal Cut, Bhainswal Drain, Dhanena Drain, Fatehpur Drain, Fatehpur Drain, Garhi Phukta, Goharni Drain, Gujarpur Drain, Harhar Drain, Harhar Drain, Hatchhoiya Nala, Kandhala Drain, Kandhla Drain, Karuda Drain, Katha Nala, Khaji Sikandarpur Drain, Kheri Escape, Krisni River, Lumb Drain or Unchagaon Drain, Malakpur Drain, Rajhar Drain, Salawar Drain, Shamli Drain, Salawar Drain, Shamli Drain, Yamuna
58		Pilibhit	3,686	2031007	23.45	551	Absara Nad, Banarasi Nala, Garra River, Kailas Nadi, Katna River, Khannaut River, Rapatua River
59		Pratapgarh	3,717	3,209,141	17.5	863	Aughar Nala, Basuhi Nadi, Duar River, Ganga
60		Prayagraj	5,482	5954391	20.63	1086	Aughar Nala, Bahnar Nala, Barkhabahra Nala, Basundhara Nala, Belan River, Birdhi Nala, Gangiwa Nala or Deodaha Nala, Gindia Nadi, Harawa Nala, Kaitha Nala, Kalla Nala, Kilnahi Nadi, Loni Nadi, Pali Nala, Sasur Khaderi Nadi, Tamsa Santa River, Varuna River, Yamuna, Ganga
61		Raibareilly	4,609	3405559	18.56	739	Ganga, Loni River,
62		Rampur	2367	2335819	21.42	987	Andharia Nala, Aril Nadi, Badhaiya N, Bagaiya River, Bamania or Khera Nadi, Barai Nadi, Barkusia Nala, Bhakra N, Bhakra_N, Bihar Nala, Bihar or Parkiya Nadi, Burhi Kosi, Chhoriya Nala, Dhakra Nadi, Dhimri Nadi, Dhobia Nala, Gaula/Bahgul River, Gendai Nadi, Ghuga Nadi, Ghuga Nala, Hingwa Nadi, Jalali, Kachha Nala, Kahlaiya Nadi, Khaira N, Khaira Nadi/Hatyari Nadi, Khanda River, Kharra Nala, Khuliya Nala, Kista Nala, Koshi River, Kuli Nadi, Nachna Nala, Nachna Nala, Nahal Nadi, Nahal Nala, Naiya Nadi, Narai Nala, Narai nala, Nihal Nadi, Pila, Pilakhar Nadi/Baur Nadi, Pilakhar River, Ramganga, Rajhera Nala, Sainjini, Sarenda Nala, Saryu River / Bahalla Nadi, Sidda, Sohaya Nadi, Terha Nala, Thandapani Nadi, Urela Nala
63		Saharanpur	3689	3466382	19.66	940	Balpur Drain, Barkala Rao, Bhainisini Cut, Bhurawala Rao, Boliwali Rao, Budhi Yamuna Nadi, Chapri Rao, Datauli Drain, Deoband Ghalauli Drain, Dhamola River, Dhamola River, Doharki Drain, Gadmalpur Drain, Gair Rao, Ganji Rao, Gejra Rao, Haldarpur Cut, Hindon, Hindon, Hindon 2nd path, Imliya Nala, Imliya Nala, Jandhera Drain, Jatauli Cut, Jatiakheri Drain, Jenkinsons Drain, Jenkinsons Drain, Jhabiran Drain, Jhabiran Nala, Kalan Rao, Kali East, Kali East, Kali West, Kali West, Kallarpur Cut, Kapuri Drain, Karaundiwala Rao, Katha Nala, Khaironwala Rao, Khala Nala or Chakwali Nala, Khala Nala or Chakwali Nala, Kothri Rao, kothri Rao, Krishni River, Krisni River, Maskara River, Nagdev Nadi, Nagdev Nadi, Nailawala Khala, Naini Nala, Naini Nala., Nawagaon Nadi, Padil Nadi, Panja Rao, Paondhai River or Khumari Nala or Datauli Drain, Paondhoi River, Pila khara Nala, Rampur Cut, Ruhara Nala, Sadharanpur Cut, Salempur Drain, Sambar Rao, Sarbar Rao, Shakumbhari Rao, Shankarpuri Khal, Sila Khala, Sila Khala, Star Paper Mills, Thola Cut, Tifra Ainabad Nala, Titron Cut, Uchagaon Drainage Cut, Matki Minor, Shankerpuri Khal, Thaska Drain, Yamuna

S.No	State	District	Area (sq km)	Population (census 2011)	Growth Rate (%)	Density	River
64	Uttar Pradesh	Sambhal					Aril Nala, Bagad Tikta, Chhoiya Nala, Choyiya Nala, Mahawar River, Sotia River, Sukatiya, Ganga
65		Sant Kabir Nagar	1713	2205968	18.98	1288	Ghaghra, Haha Nala, Pharhi Nala
66		Shahjahanpur	4388	3006538	18	685	Andhoi Nadi, Baigul, Bharguda Drain, Dunda Nala, East Bahgul Nadi, Garra River, Gauneya Nadi, Jaunra Drain, Junari Nala, Katna River, Khannaut River, Ramganga, Rapatua River, Reoti Nala, Sotia River, Aril Nala
68		Sharwasti	1640	1117361	-5.02	681	Ajgarwa K, Badalpur Nala, Bakawa, Banrwa, Banrwa Nala, Barikundia Nala, Bhanwariya K, Bhanwariya Kula, Bhawa, Bisahi Nadi, Gainjhawa Nala, Ganjri Nala, Gauriya Nala, Gobrahwa Nala, Gurdangauri K, Hathikund Nala, Jahriwa Kula, Jamawar Nala, Jokahi Nala, Kaiyan Nadi, Kaiyan Nala, Kakrawa Nala, Khairbhati Kula, Khurpiwa Nala, Kunwano River, Madaura, Muhammada Nala, Murkata K, Nakahia, Narkutwa Nala, Pera Nadi or Khair Nala, Rakya Tal, Rapti or Khurpiwa River, Rapti River, Retahi Nala, Risia Nala, Terhi Nadi
69		Sitapur	3349	2148665	27.72	642	Amsotia, Barai, Barandariya Nala, Bargadwa, Barrauwa Nala, Baswaria, Bhamrewa, Bisahi Nadi, Budhi Repti River, Burhi Rapti or Burhatti Nadi, Chikni Nala, Dhandia Nala, Dhobha, Durwa Chakalya Nala, Dundra, Gauriya Nala, Ghagraol, Guhawa, Gurung K, Hahwa, Hathikund Nala, Hengwa Nala, Jamgarhwa, Jamgarhwa, Juraniya, Kachni, Kakrawa, Kakrawa Nala, Kankra, Kardahwa Nala, Kataha Nala, kauhi Nala, Kawahi, Khajhar Nadi, Kohi, Kunwano River, Musahwa Nala, Musi, Nakti Nala, Patharwa, Pathrahwa, Pera Nadi or Khair Nala, Ratohiya Nala or Bhulwa Nala, Rapti River, Rapti or Khurpiwa River, Singhwa Nala, Sonahi, Stream 8 or Bhambhar, Suwawan Nadi, Ujhawa
70		Sonbhadra	6,905	1862559	27.27	270	Bakhar Nadi, Charkighagiya Nala, Durhul Nala, Ghaghar Nadi, Goitha Nadi, Gurwata River, Hathi Nala, Jatya Nala, Kajrahat Nala, Kanhar River, Karamnasa River, Khajro Nala, Lauva River, Malia Nadi, Ninedah River, Pachan Nala, Pagan Nadi, Sone Rihand or Renu River, Sone River, Thema River, Belan River
71		Sultanpur	4,436	3797117	18.11	856	Barkala Rao, Bhurawala Rao, Boliwali Rao, Budhi Yamuna Nadi, Biswi Nadi, Chapri Rao, Dhamola River, Gair Rao, Ganji Rao, Gejra Rao, Halدارpur Cut, Hindon, Imliya Nala, Jatiakheri Drain, Jenkinsons Drain, Jhabiran Nala, Kalan Rao, Kali East, Kali West, Karaundiwal Rao, Katha Nala, Khaironwala Rao, Khala Nala or Chakwali Nala, Kothri Rao, Krisni River, Majhoi Nadi, Maskara River, Nagdev Nadi, Naini Nala, Nawagaon Nadi, Panja Rao, Paondhai River or Khumari Nala or Datauli Drain, Ruhara Nala, Salempur Drain, Sambar Rao, Sarbar Rao, Shakumbhari Rao, Shankarpuri Khal, Sila Khala, Thola Cut, Titron Cut, Yamuna
72		Unnao	4,558	3108367	15.11	682	Ganga, Pandu River, Loni River, Madni Nadi,
73		Varanasi	1,535	3676841	17.15	2395	Basuhi Nadi, Ganga, Maro Khar Nadi, Varuna River

UTTAR PRADESH: MAJOR DAMS ON THE RIVERS TRAVERSING THROUGH UTTAR PRADESH

S No	District	Name	Latitude	Longitude	River	Status	Type	Length (m)	Max ht abv foundation	Yr start	Yr comp	Total vol (cu-mec)	Design flood (cumec)	Purpose
1	Mirzapur	Ahaura Dam	25.0004	83.03564	Garai	Completed	TE	1219.5	22.87		1955			
2	Hamirpur	Maudaha (Swami Brahmanand) Dam	25.58878	79.70789		Completed	TE	3480	32.6		2003	1554	11328	
3	Balrampur	Baghel Khand Dam	27.62035	82.4183	Jamunahwa	Completed	TE	3200	15.46		1957	41318		
4	Chandauli	Bhainsora Dam	24.78118	83.22026	Marhwa nala	Completed	TE	1850.61	11.26		1926			
5	Chandauli	Chandra Prabha Dam	24.93142	83.17275	Chandraprabha	Completed	TE	1600	22.25		1966	13200	1132.674	
6	Mahoba	Chandrawal Dam	25.44103	79.89523	Chandrawal	Completed	TE	5765	10		1973	52900	1252	
7	Balrampur	Chittaurgarh Dam	27.57732	82.59894		Completed	TE	11000	15.3		1985	192400		
8	Sonbhadra	Dhandhraul Dam	24.6291	83.17228	Ghaggar	Completed	TE	7305	21		1917	1099		
9	Jhansi	Barwa Dam	25.18315	80.79308	Barwa nalla	Completed	TE	3815	19		1967	51400	628.37	
10	Jhansi	Barwar Dam	25.51462	79.14896	Bora nala	Completed	TE	2233	20.4		1923	2933.8		
11	Mirzapur	Dhenkwan Dam	25.00277	82.74448		Completed	TE	1700	20.85		1985	50000	529.68	
12	Sonbhadra	Dongia Dam	24.90401	83.00884	Garai	Completed	TE	2012	15.3		1918		529.68	
13	Mahoba	Kabrai Dam	25.41033	79.96787		Completed	TE	2300.2	18.24		1955	425000	387	
14	Mahoba	Majhgawan Dam	25.19251	79.54655	Gunchi nala	Completed	TE	1402	19.43		1917	37800	170	
15	Lalitpur	Matatila Dam	25.09538	78.37443	Betwa	Completed	TE	6300	45.72		1958	5012.05	23390	
16	Chandauli	Moo-sakhand Dam	24.97851	83.30002	Karmnasa	Completed	TE	2967	33.53		1967	175700	6163.65	
17	Sonbhadra	Nagwa Dam	24.67127	83.37808	Karmanasa river	Completed	TE	2810.19	20.31		1950		2.948	
18	Chitrakoot	Khandeha Dam	25.18365	81.26855	Dasrath nala	Completed	TE	1200	19.9		1929	207		

S No	District	Name	Latitude	Longitude	River	Status	Type	Length (m)	Max ht abv foundation	Yr start	Yr comp	Total vol (cumec)	Design flood (cumec)	Purpose
19	Balrampur	Kohar Gaddi Dam	27.61296	82.65457		Completed	TE	2820	10.5		1930			
20	Jhansi	Lachura Dam	25.31976	79.27759		Completed	TE + PG	542.3	14.94		1910			
21	Mirzapur	Lower Khajuri Dam	25.08093	82.60454	Kuardari nalla	Completed	TE + PG	640	18		1949			
22	Chandauli	Naugarh Dam	24.86275	83.34593	Karmnasa	Completed	TE	5975	18.9		1956	101.88		
23	Mirzapur	Adwa Dam	24.7861	82.31287	Adwa	Completed	TE	7906	20.48		1978	22000	3530	
24	Mirzapur	Nanauti Dam	24.98645	82.77864	Local	Completed	TE	1400	13.71		1963			
25	Sonbhadra	Obra Dam	24.43793	82.96199	Rihand	Completed	TE + PG	2000	29.23		1970	140000	13880	
26	Chitrakoot	Ohen Dam	25.13543	81.03107	Ohan	Completed	TE + PG	2527	24.08		1961		1541.39	
27	Jhansi	Pahari Dam	25.23266	79.13509	Local nalla	Completed	TE + PG	580.95	10		1912		16141	
28	Lalitpur	Jamini Dam	24.37027	78.68471	Jamni	Completed	TE	6400	26.22		1973		2522	
29	Mirzapur	Jirgo Dam	25.04945	82.95201	Jirgo	Completed		6704	29.88		1958			
30	Jhansi	Pahuj Dam	25.50352	78.53495	Pahuj	Completed	TE + PG	2040	10.67		1909	1824		
31	Shrawasti	Ghooga Dam	27.79393	82.13743	Local		TE	520	16					
32	Lalitpur	Govind Sagar Dam	24.67434	78.41922	Shahzad river	Completed	TE	3606	18.29		1953	13406	1302	
33	Allahabad	Gularia Dam	25.07697	82.17953	Gularia stream	Completed	TE	3200	12.4		1966	1400		
34	Chitrakoot	Gunta Dam	25.22321	81.14233	Gunta nala (yamuna)	Completed	TE	5200	29.5		2003		1064	
35	Chitrakoot	Jaiwanti Dam	25.18571	81.21767		Completed	TE	3352	15		1928	580		
36	Bijnor	Pili Dam	29.3558	78.79032	Pili	Completed	TE	1540	19		1968	253300	1274.4	
37	Mahoba	Raipura Dam	25.29	79.79293		Completed	TE	3509	13		1930			
38	Shrawasti	Rampur Dam	27.8539	82.05704	Goinghawa nala	Completed	TE	3820	10.5		1958	10500		
39	Sonbhadra	Rihand Dam	24.20314	83.00715	Rihand	Completed	PG	932	91.46		1962	16827.2	17275	
40	Lalitpur	Shahjad Dam	24.94886	78.52241		Completed	TE	4160	18		1992	2624	4000	
41	Mirzapur	Sirsi Dam	24.83472	82.49784	Bakhar nala	Completed	TE	3808	21.34		1958			
42	Mirzapur	Upper Khajuri Dam	24.9978	82.60843	Chandauli and Shibati	Completed	TE	2313	24.88		1958	8923	622.84	

S No	District	Name	Latitude	Longitude	River	Status	Type	Length (m)	Max ht abv foundation	Yr start	Yr comp	Total vol (cu-mec)	Design flood (cumec)	Purpose
43	Mahoba	Urmil Dam	25.13106	79.70189	Urmil	Completed	TE	4799	25.56		1994		3002.83	
44	Lalitpur	Sajnam Dam	24.5252	78.59133		Completed	TE	4524	22.34		1990		3722	
45	Jhansi	Saprar Dam	25.20919	79.09942		Completed	TE	3000	16.76		1952			
46	Pilibhit	Sarda Sagar Dam	28.75804	80.11766	Sharda	Completed	TE	2220	16.15		1962	406240		
47	Lalitpur	Kachnoda Dam	24.73729	78.59437		Completed	TE	4100	18.9		2012		6038	
48	Jhansi	Patharai Dam	25.42381	79.02784	Pathari and sukhnai (tributary of dhasan)	Completed	TE	3800	18		2002		1263	
49	Mirzapur	Meja Dam	24.86653	82.39987	Belan	Completed	TE	2000	40		1987		11298	
50	Mahoba	Keolari Dam	25.3116	79.36734		Completed	TE	2836.58	11.73		1966		267.43	
51	Lalitpur	Rohini Dam	24.35546	78.79143	Rohini	Completed	TE	1647	17.82		1983		380	
52	Jhansi	Dongri Dam	25.38678	78.46187	Pahuj	Completed	TE	2760	15.3		1986			
53	Mahoba	Arjun Dam	25.39007	79.68452	Arjun river	Completed	TE	5200	25.88		1957	1823	877.82	
54	Sonbhadra	Rajkhar Dam	24.22382	83.17931	Local stream	Completed	TE	970	14.94		1957			
55	Chitrakoot	Rampur Kalyangarh Dam	25.02435	81.03564	Local	Completed	TE	1000	13		1925			
56	Mirzapur	Rampur Pindaria Dam	25.0537	82.51975	Local	Completed	TE	1260	10.3		1974			
57	Mirzapur	Saktesh Garh Dam	24.98137	82.81915	Local	Completed	TE	880	15.66		1989			
58	Mahoba	Salarpur Dam	25.20198	79.83775	Kardia	Completed	TE	2975	11		1960	13406		
59	Sonbhadra	Sarai Garh Dam	24.76683	83.40471	Local	Completed	TE	735	10.82		1970			
60	Mirzapur	Semri Dam	24.93193	82.84382	Local	Completed	TE	666	14.8		1989			
61	Jhansi	Siori Lake Dam	25.31469	79.09248	Siori	Completed	TE	2306	13.94		1911			
62	Mirzapur	Sukhra Dam	24.79532	82.27689	Sukhara nala	Completed	TE	1158	12.2		1909			
63	Mirzapur	Suswar Dam	24.81513	82.35922	Local	Under Construction	TE	1400	14.03					
64	Mirzapur	Vijaipur Dam	25.12388	82.38556	Local	Completed	TE	570	14.3		1983			

S No	District	Name	Latitude	Longitude	River	Status	Type	Length (m)	Max ht abv foundation	Yr start	Yr comp	Total vol (cumec)	Design flood (cumec)	Purpose
65	Chitrakoot	Aunjhar Dam	25.18778	81.32716	Aunjhar	Completed	PG	1056	17.6		1930	36500		
66	Allahabad	Bachara Dam	25.13151	82.05622		Completed	TE	660	15		1980	153		
67	Sonbhadra	Balui Dam	24.5409	83.12428	Local	Under Construction	TE	2900	14.1					
68	Mirzapur	Banjari Kalan Dam	24.81985	82.21422	Local	Under Construction	TE	1470	14.1					
69	Sonbhadra	Barwatola Dam	24.06152	83.11449		Completed	TE	1050	16.77		1957	18100		
70	Mirzapur	Bhonka Dam	25.0684	82.57513	Bhonka	Completed	TE	2012	15.3		1951			
71	Sonbhadra	Deori Dam	24.70583	83.35471	Local	Completed	TE	930	21		1978			
72	Balrampur	Bhagwan Pur Dam	27.59305	82.44832		Completed	TE	4400	11.28		1965	44300		
73	Chitrakoot	Garhwa Dam	25.21308	81.44475	Garhwa	Completed	TE	980	13		1975	107		
74	Mirzapur	Ghori Dam	24.93599	82.42793		Completed	TE	1584	13.87		1915	376		
75	Balrampur	Girgity Dam	27.6762	82.31994		Completed	TE	4800	15.18		1966	95000		
76	Ghazipur	Gointha Dam	25.60887	83.49492	Local	Completed	TE	500	13.55		1992			
77	Mirzapur	Hinauti Dam	25.05214	82.78691	Col nala	Completed	TE	995	10.67		1964	121.9		
78	Mirzapur	Jogendra Dam	24.6089	82.39453	Jogendra	Completed	TE	1313	10.04		1970			
79	Sonbhadra	Kargara Dam	24.60765	82.98455	Local	Completed	TE	1410	16.84		1978			
80	Balrampur	Khairman Dam	27.76765	82.22488	Henga nala	Completed	TE	3020	10.6		1958	50180		
81	Chitrakoot	Khapatia Dam	25.21385	81.37222	Borera	Completed	TE	806	16		1916			
82	Sonbhadra	Khiriata Dam	24.11608	82.69772	Local	Completed	TE	178	10.77		1992			
83	Sonbhadra	Kota Dam	24.45433	83.11165	Local	Completed	TE	549	14.63		1960			
84	Chitrakoot	Kotra Khambha Dam	25.2234	81.42517		Completed	TE	806	18		1915	8100		
85	Mirzapur	Kuba Khurd Dam	25.02805	82.80897	Local	Completed	TE	1675	10.33		1988	196		
86	Sonbhadra	Muirpur Dam	24.10911	83.05576	Local	Completed	TE	581	15.3		1992			

S No	District	Name	Latitude	Longitude	River	Status	Type	Length (m)	Max ht abv foundation	Yr start	Yr comp	Total vol (cu-mec)	Design flood (cumec)	Purpose
87	Sonbhadra	Murtia Dam	24.78463	82.61312	Local	Completed	TE	1135	18.26		1977			
88	Sonbhadra	Narson Dam	24.62111	83.27956	Narson	Completed	TE	2340	14.33		1988			
89	Sonbhadra	Newari Dam	24.6535	83.30733	Local	Under Construction	TE	1218	15.44					
90	Jhansi	Pachwara Lake Dam	25.36606	79.04551	Local	Completed	TE + PG	208	13.72		1694			
91	Jhansi	Ragura Dam	25.75972	78.93333	Local	Completed	PG	1189	12.05		1976		28.34	
92	Lalitpur	Rajghat Dam	24.76265	78.23314	Betwa	Completed	TE + PG	11200	43.5		2000	115000	39014	
93	Chitrakoot	Barwa Sagar Dam	25.38055	78.74772	Barwa nala	Completed	TE	1067	21.03					
94	Balrampur	Ganeshpur Dam	27.61419	82.35475										
95	Sonbhadra	Balui Bandh	24.59678	83.03893		Completed	TE							
96	Allahabad	Baghla Dam	25.24729	81.61201		Completed								
97	Garhwa	Kanhar dam	24.12214	83.29681	Kanhar	Under Construction	TE + PG	3300.75	39.9				29148	
98	Jhansi	Magar Pur	25.2875	78.86111	Local stream		TE	739.1	10.2		1694			
99	Sonbhadra	Lakra	24.64111	83.05528	Local		TE	1026	10.36		1960			
100	Mirzapur	Silhata	24.69861	82.36861	Local		TE	990	16.2		1962			
101	Sonbhadra	Lali	24.72667	82.61306	Local		TE	1030	10.69		1970			
102	Sonbhadra	Jharo Khas	24.17778	83.16139	Local		TE	905	12.65		1974			
103	Mirzapur	Berbata	25.10861	82.30889	Bhatwa nala		TE	535	10.5		1979			
104	Sonbhadra	Chigauri	24.66667	82.80306	Local		TE	1750	10		1979			
105	Sonbhadra	Bajjiya	23.91528	83.12583	Local		TE	710	15.45		1992			
106	Mahoba	Virat Sagar	25.30694	79.94694	Dhasan		TE + PG	1550	180.5					
107	Banda	Rasin	25.17056	80.66806	Ban ganga		TE	2600	16.34			380		
108	Jhansi	Sijar	25.42694	78.505	Sijar		TE	1900	13.8					
109	Mahoba	Lower Lachura	0	0	Dhasan	Proposed								
110	Lalitpur	Bhaunrat Dan	0	0	Jamni	Proposed								

MAJOR BARRAGE AND WEIR ON THE RIVER TRAVERSING THROUGH UTTAR PRADESH

S No	District	Name	Type	River	Nearest City	Status	Yr. Com- men- semt	Com- pletion Year	Length (m)	Height upto Crest (m)	Pond level (m)	Design flood dis- charge (cumec)	Pur- pose
1	Mirzapur	Adwa Barrage		Adwa	Mirzapur	Com- pleted		1978	113.5		218.5		
2	Son- bhadra	Nagwa silhati Weir		Karam- nasa		Com- pleted			0				
3	Pilibhit	Duni Barrage			Pilibhit	Com- pleted	1921	1925	157.26		192.02		
4	Mirzapur	Lkhaniya Dari Weir		Garai Nadi		Com- pleted			0				
5	Son- bhadra	Ghaghar Barrage		SONE	Roberts- ganj and Son- bhadra	Com- pleted			0				
6	Bahraich	Girija Barrage		GHAGHRA	Nanpara	Com- pleted	1970	1976	716		138		
7	Lalitpur	Dhukwan Weir		BETWA	Lalitpur	Com- pleted	1900	1905	1171.9		273.7		
8	Muzaffar- nagar	Madhya Ganga Barrage (Chaud- hary Charan Singh Barrage)			Jansath	Com- pleted			621		221.8		
9	Bahraich	Saryu Barrage			Nanpara	Com- pleted	1979		243.5		133		
10	Shrawas- ti	Rapti Barrage		Rapti	Bahraich	Com- pleted			284.5		127.7		
11	Buland- shahr	Narora Barrage		GANGA	Anup- shahr	Com- pleted	1963	1966	922.43		178.9		
12	Jhansi	Parichha Weir		BETWA	Moth	Com- pleted	1881	1886	1171.3		194.66		
13	Bijnor	Ramgan- ga Barrage		RAMGAN- GA	Nagina	Com- pleted	1968	1975	408		228.04		
14	Bijnor	Kho Barrage			Dhampur	Com- pleted	1968	1975	203		224.85		
15	Kheri	Lower Sarda Barrage		SHARDA	Nighasan	Com- pleted	1972	1974	408		136		

S No	District	Name	Type	River	Nearest City	Status	Yr. Com- men- semt	Com- pletion Year	Length (m)	Height upto Crest (m)	Pond level (m)	Design flood dis- charge (cumec)	Pur- pose
16	Lucknow	Gomti Barrage		GOMTI	Lucknow	Com- pleted	1973	1979	202.5		105.75		
17	Gautam Buddha Nagar	Hindan Barrage			Dadri	Com- pleted	1977	1979	162		203.252		
18	Gautam Buddha Nagar	New Okhla Barrage		YAMUNA	Dadri	Com- pleted	1979		743.11		201.35		
19	Siddharth Nagar	Ban- ganga Barrage		Banganga	Naugarh	Com- pleted		1956	116		93.6		
20	Mathura	Gokul Barrage			Mathura	Com- pleted	1990	2001	555		165		
21	Chandauli	Latifshah Weir		KAR- MANASA RIVER	Chakia	Com- pleted			217.68				
22	Alla- habad	Tons Weir			Meja	Com- pleted	1980		500		94		
23	Nainital	Phika Barrage		Phika	Kashipur	Com- pleted			107.87		262.43		
24	Mirzapur	Husain- pur Weir		GARAI	Chunar	Com- pleted							
25	Mirzapur	Baraund- ha Pickup Weir		Belan		Com- pleted							
26	Mirzapur	Harrai Weir		Harrai Nadi		Com- pleted							
27	Son- bhadra	Belan Weir		BELAN		Com- pleted							
28	Alla- habad	Meja Pickup Weir				Com- pleted							
29	Alla- habad	Janla Pickup Weir				Com- pleted							
30	Rampur	Lalpur Barrage		Kosi	Rampur	Com- pleted							
31	Bareilly	Badaun Barrage		Ramganga	Bareilly	Under- con- struc- tion	2010				163.3		
32	Kheri	Suheli Barrage		Suheli		Com- pleted							

CWC BASINS

Basin Code	Basin Name
1	Indus (Up to border)
2a	Ganga
2b	Brahmaputra
2c	Barak and others
3	Godavari
4	Krishna
5	Cauvery
6	Subernarekha
7	Brahmani and Baitarni
8	Mahanadi
9	Pennar
10	Mahi
11	Sabarmati
12	Narmada
13	Tapi
14	West flowing rivers from Tapi to Tadri
15	West flowing rivers from Tadri to Kanyakumari
16	East flowing rivers between Mahanadi and Pennar
17	East flowing rivers between Pennar and Kanyakumari
18	West flowing rivers of Kutch and Saurashtra including Luni
19	Area of inland drainage in Rajasthan
20	Minor rivers draining into Myanmar (Burma and Bangladesh)

Source: River Basin Atlas of India, Ministry of Water Resources, Gol (October 2012)

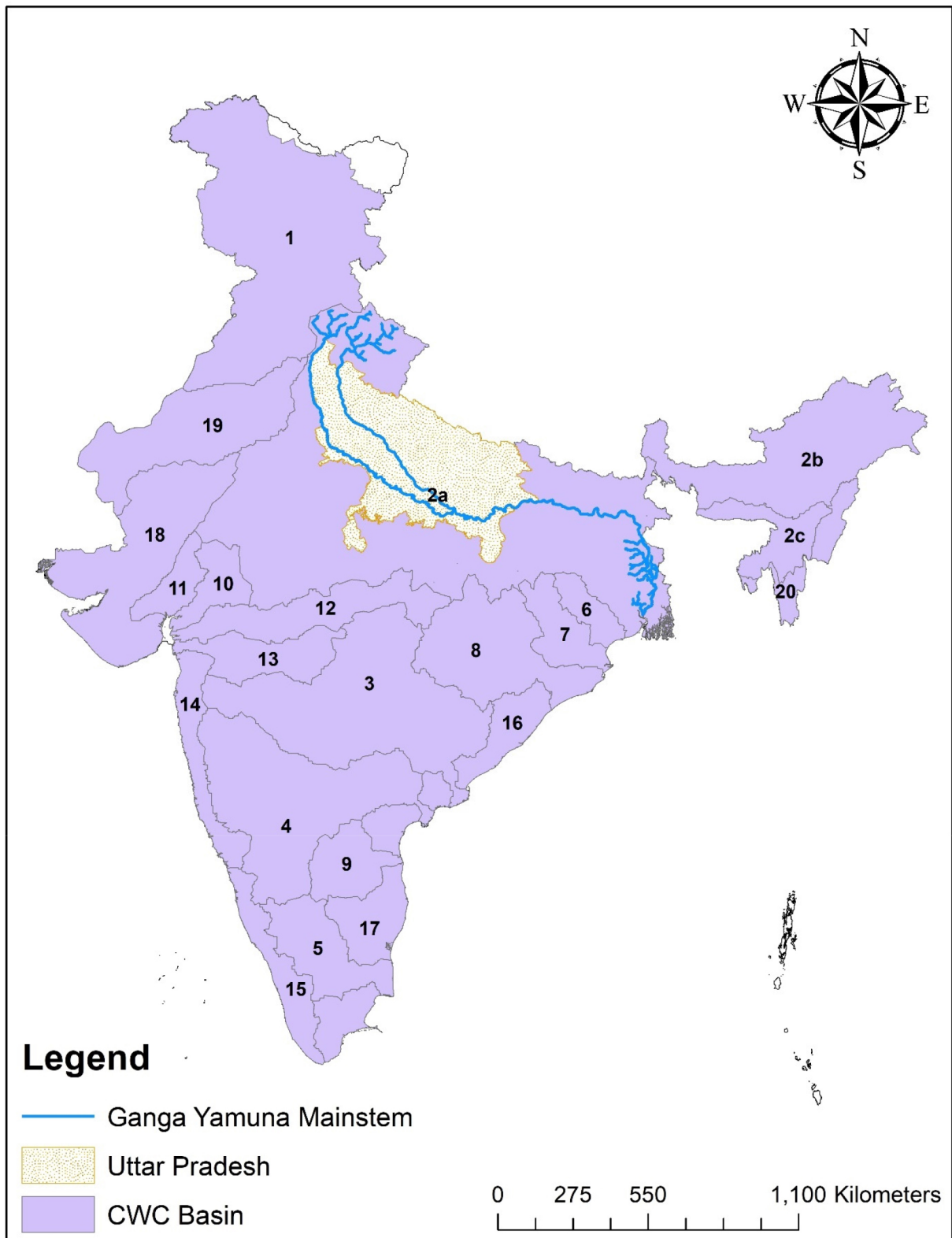
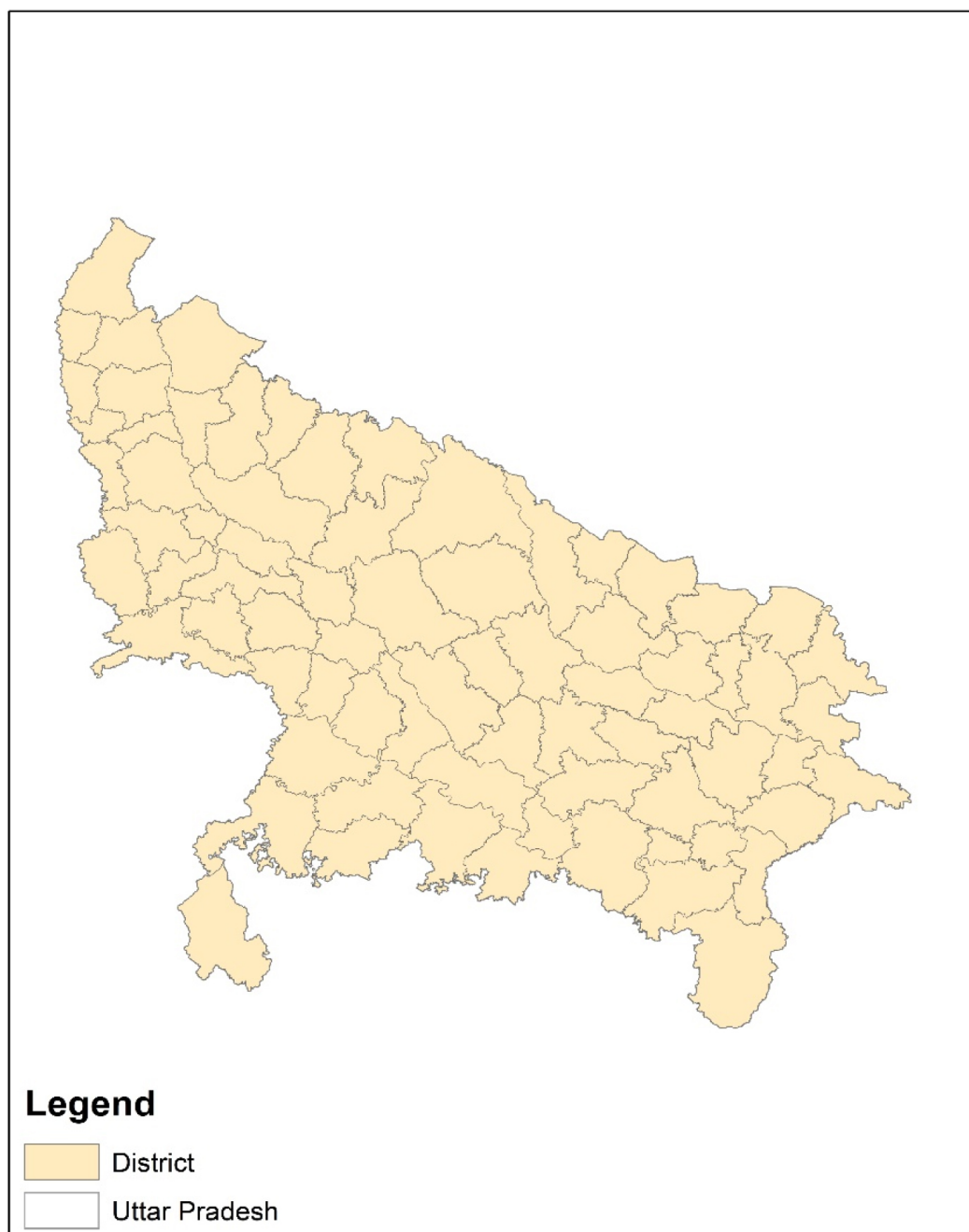


Figure: CWC Basins in India

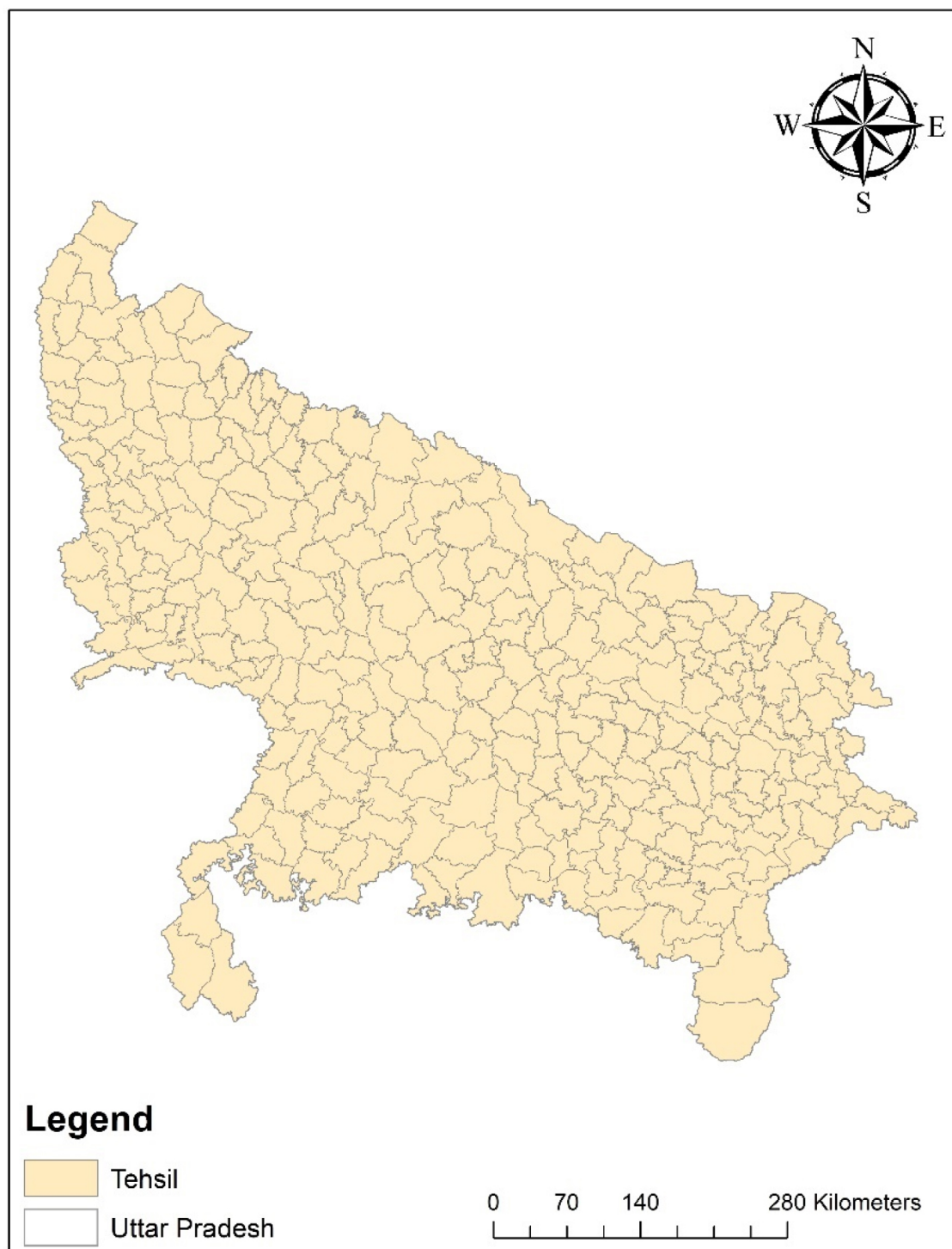
UTTAR PRADESH: ADMINISTRATIVE STRUCTURE



Districts: 75

Source: SOI

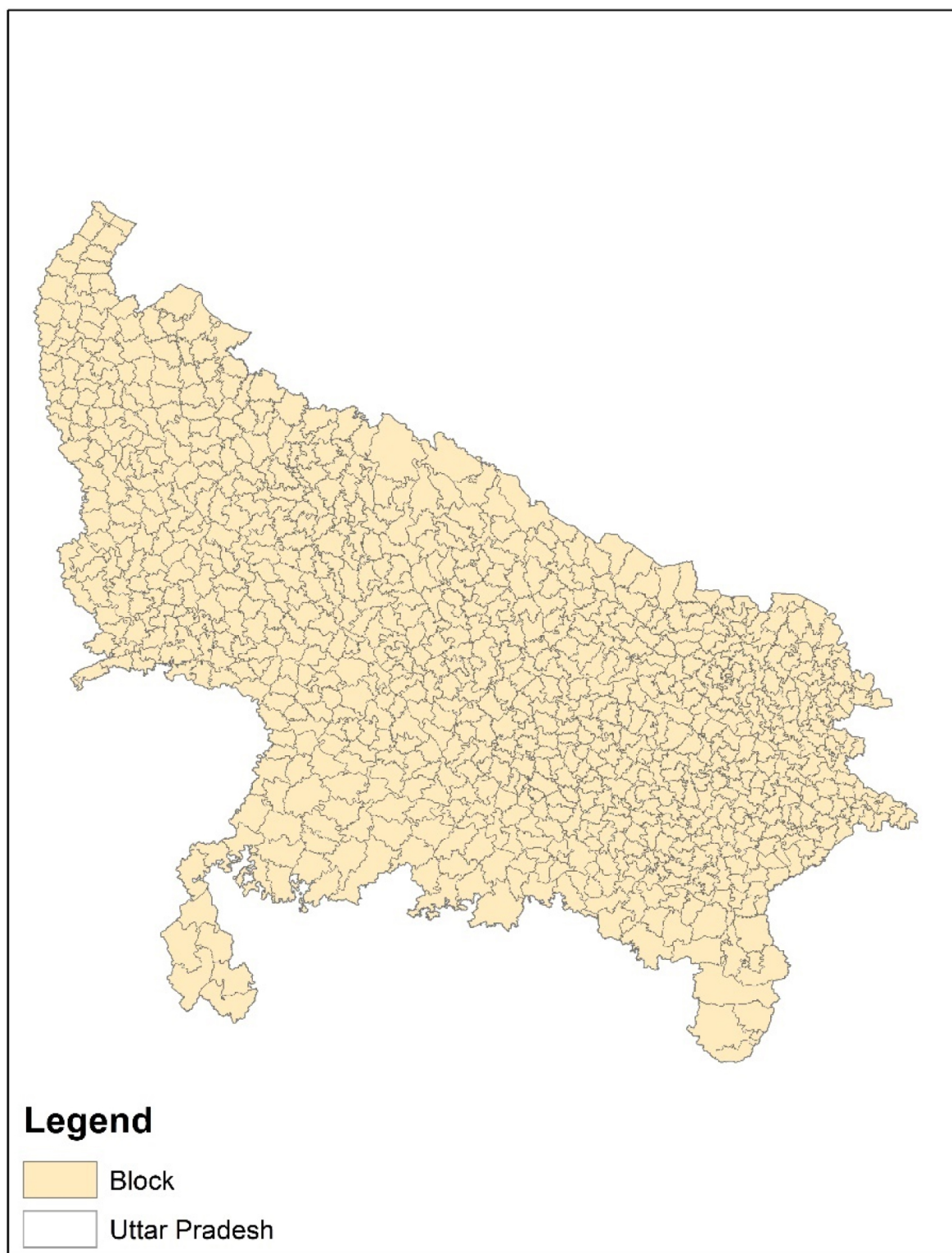
Figure: District boundaries of Uttar Pradesh



Tehsil: 310

Source: SOI

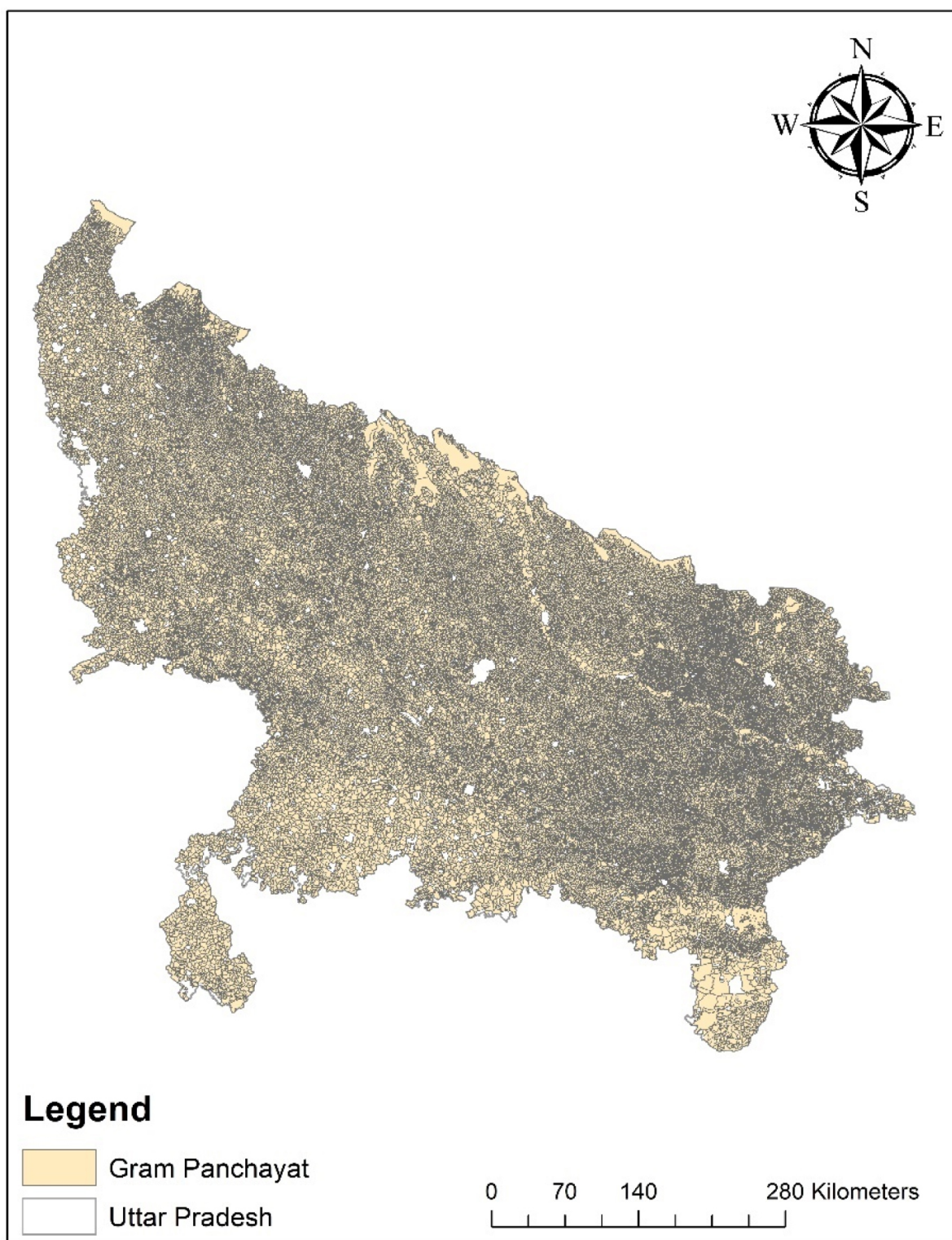
Figure: Tehsil boundaries of Uttar Pradesh



Block: 812

Source: Rural Development Department, UP

Figure: Block boundaries of Uttar Pradesh



Gram Panchayat: 73,948

Source: Rural Development Department, UP

Figure: Gram Panchayat boundaries of Uttar Pradesh

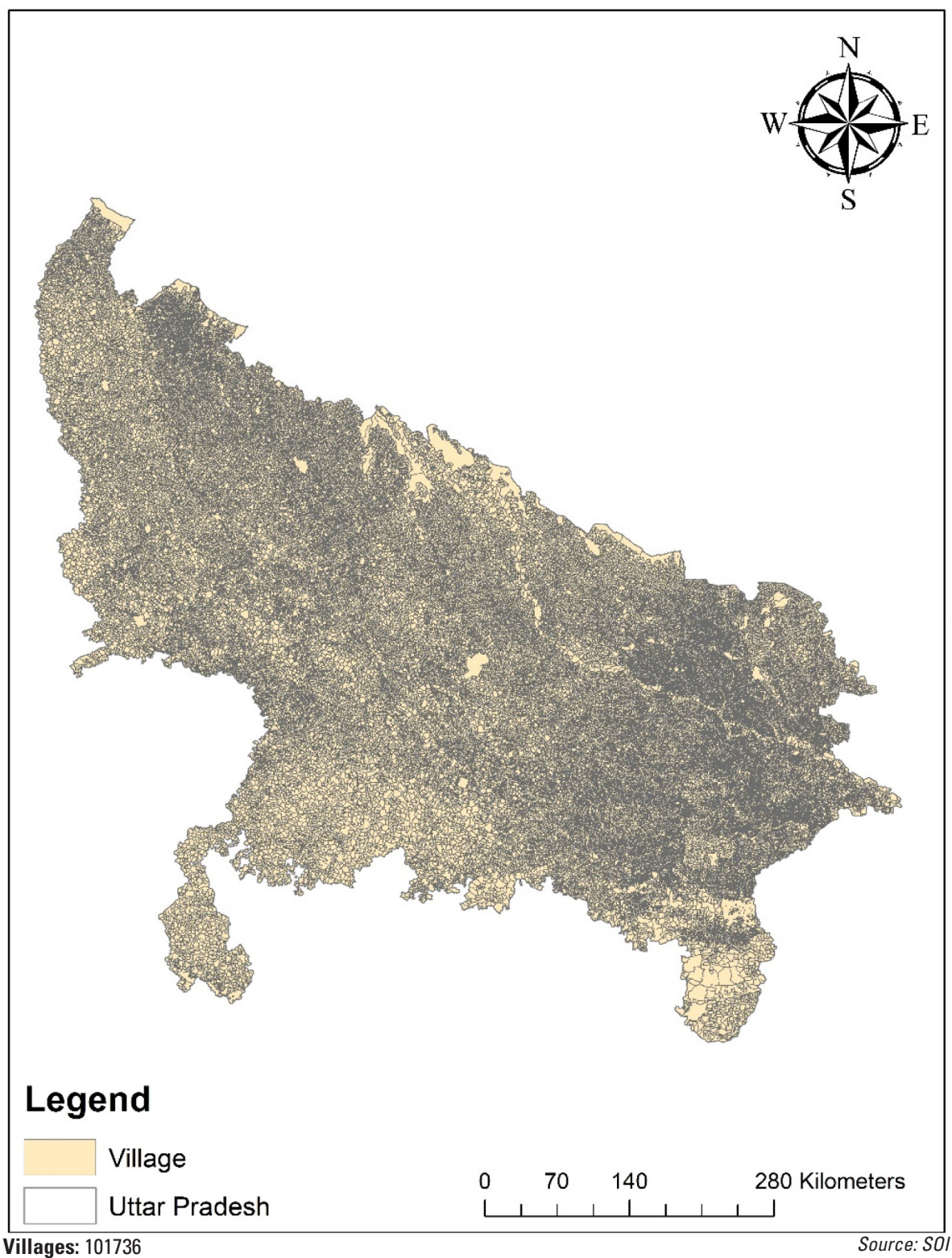
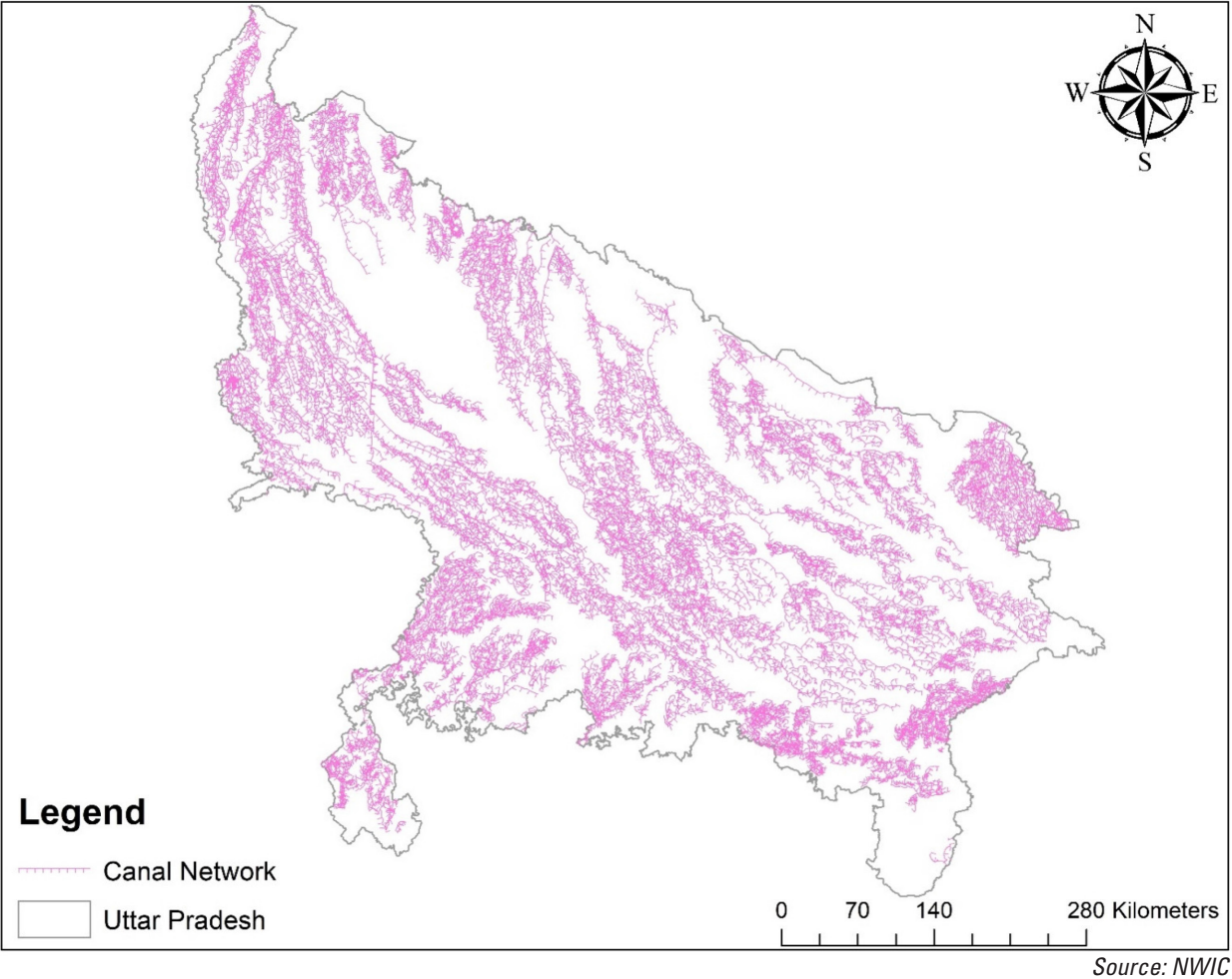


Figure: Villages boundaries of Uttar Pradesh

UTTAR PRADESH: CANAL NETWORK:

TOTAL CANAL NETWORK: 59,200.52 KM

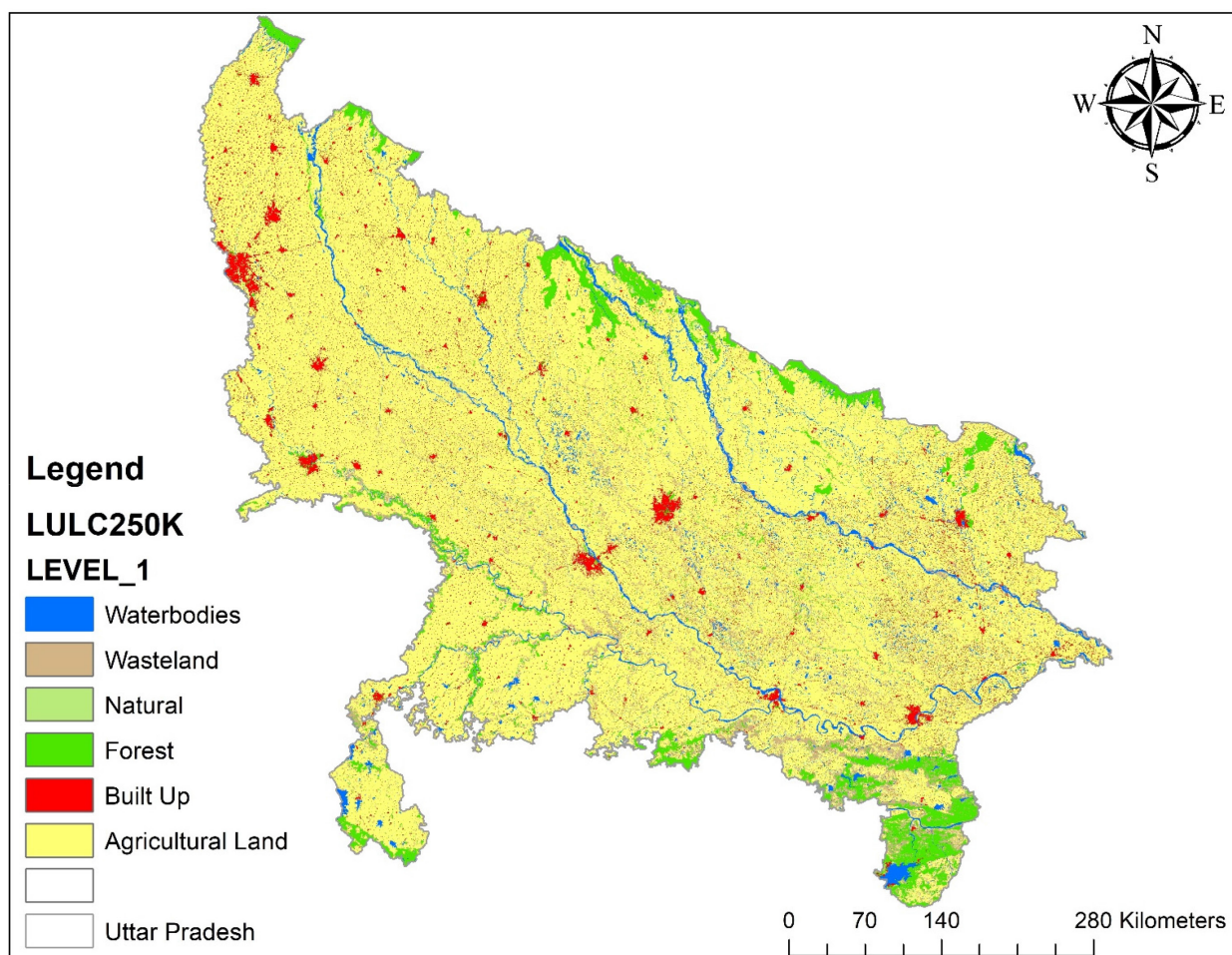


DETAILS OF CANAL PROJECTS			
S No	Project Name		Length (Km)
1	Adwa Dam Major Irrigation Project	:	156.18
2	Afzalgarh Medium Irrigation Project	:	160.78
3	Agra Canal Major Irrigation Project	:	1455.36
4	Agra Canal Major Irrigation Project_Haryana	:	0.03
5	Ahaura Dam Medium Irrigation Project	:	186.35
6	Ahaura, Jirgo	:	63.98
7	Aliganj Major Irrigation Project	:	268.78
8	Arjun Dam Medium Irrigation Project	:	154.18
9	Arjun Sahayak ERM Scheme	:	58.67
10	Augasi Pump Canal Major Irrigation Project	:	63.09
11	Bakhar Marihan Feeder Medium Irrigation Project	:	34.1
12	Balmiki (Ohan) Sarovar	:	138.66
13	Banganga Canal Irrigation Project	:	135.79
14	Bansagar Canal (UP) Irrigation Project	:	91.14
15	Barwa Sagar Dam Project	:	81.87
16	Barwar Irrigation Project	:	52.79
17	Baur Medium Irrigation Project	:	2.03
18	Bela Sagar Irrigation Project	:	79.84
19	Belan Bhakhar Medium Irrigation Project	:	4.81
20	Belan Canal Major Irrigation Project	:	644.04
21	Bevar Feeder Canal Major Irrigation Project	:	357.79
22	Bhander Canal Major Irrigation Project	:	5.26
23	BharatpurFeeder	:	0.27
24	Bhopauli Pump Canal Major Irrigation Project	:	215.14
25	Chambal Lift Irrigation Project	:	132.67
26	Chandra Prabha Dam Medium Irrigation Project	:	160.92
27	Chandrawal Dam Medium Irrigation Project	:	72.84
28	Chillimal Pump Canal Medium Irrigation Project	:	46.54
29	Chittaurgarh Reservoir Major Irrigation Project	:	112.26
30	Dalmau Pump Canal Stage - I and Stage - II Major Irrigation Project	:	221.95
31	Dhekwan Dam Major Irrigation Project	:	29.23
32	Deokali Pump Canal Stage - I Major Irrigation Project	:	559.01
33	Dhasan Canal Major Irrigation Project	:	602.6
34	Dhasan Canal Major Irrigation Project	:	28.54
35	Dohrighat Pump Canal Major Irrigation Project	:	762.25

36	East Baigul Major Irrigation Project	:	85.94
37	Eastern Ganga Canal Major Irrigation Project	:	1467.44
38	Eastern Yamuna Canal Major Irrigation Project	:	1573.08
39	Gandak Canal Major Irrigation Project	:	3065.99
40	Ghaggar Canal Project	:	674.61
41	Gularia Dam Medium Irrigation Project	:	29.23
42	Gunta Nalla Medium Irrigation Project	:	57.41
43	Gurgaon Canal	:	0.21
44	Gyanpur Pump Canal Major Irrigation Project	:	246.22
45	Haripur Major Irrigation Project	:	373
46	Hindon Krishi Doab	:	8.4
47	Jamni Dam Medium Irrigation Project	:	231.29
48	Jamni RBC Medium Irrigation Project	:	1.06
49	Jamrani Multipurpose Project	:	59.38
50	Jarauli Pump Canal Major Irrigation Project	:	403.04
51	Jirgo Medium Irrigation Project	:	40.5
52	Kabrai Lake Medium Irrigation Project	:	75.39
53	Kachnoda Dam Major Irrigation Project	:	62.2
54	Kanhar Major Irrigation Project	:	43.09
55	Ken Canal Major Irrigation Project	:	1038.35
56	Keolari Medium Irrigation Project	:	37.96
57	Khara Canal Medium Irrigation Project	:	82.6
58	Kishanpur Pump Canal Major Irrigation Project	:	252.52
59	Kuwano Pump Canal Project	:	86.59
60	Lalitpur Dam Medium Irrigation Project	:	164.73
61	Lower Ganga Canal Major Irrigation Project	:	976
62	Lower Khajuri Medium Irrigation Project	:	87.06
63	Madho Tanda Major Irrigation Project	:	167.11
64	Madhya Ganga Canal Phase - II Major Irrigation Project	:	201.12
65	Madhya Ganga Canal Stage - I Major Irrigation Project	:	2746.94
66	Majhgawan Dam Project	:	63.91
67	Matatila Dam Major Irrigation Project (including old Betwa Canal)	:	19.74
68	Maudaha Dam Major Irrigation Project	:	256.62
69	Moosakhand Dam Major Irrigation Project	:	7.9
70	Moosakhand, Naugarh	:	454.6
71	Nagwa Dam Major Irrigation Project	:	208.23
72	Nanak Sagar Major Irrigation Project	:	220.28

73	Narainpur Pump Canal Major Irrigation Project	:	266.12
74	Parallel Lower Ganga Canal Major Irrigation Project	:	5661.06
75	Parbati	:	0.25
76	Pathrai Dam Medium Irrigation Project	:	32.93
77	Pili Dam Medium Irrigation Project	:	38.31
78	Rajghat Canal Major Irrigation Project	:	1008.29
79	Rajghat Canal Unit - II Major Irrigation Project	:	18.67
80	Ramganga Major Irrigation Project	:	229.65
81	Rampur Canal Major Irrigation Project	:	207.32
82	Rohilkhand Canal Major Irrigation Project	:	1712.59
83	Rohini Medium Irrigation Project	:	18.34
84	Sajnam Dam Medium Irrigation Project	:	96.72
85	Saprar Medium Irrigation Project	:	123.52
86	Sarda Canal Major Irrigation Project	:	6513.67
87	Sarju Pump Canal Major Irrigation Project	:	127.96
88	Saryu Nahar Pariyojana	:	3493.61
89	Saryu Nahar Pariyojana Major Irrigation Project	:	211.58
90	Shahganj Medium Irrigation Project	:	66.04
91	Shahzad Major Irrigation Project	:	96.98
92	Sharda Sahayak Major Irrigation Project	:	6988.83
93	Siori Lake Project	:	48.57
94	Sirsi Barundha Feeder Medium Irrigation Project	:	42.36
95	Sone Canals Major Irrigation Project	:	6.08
96	Sone pump canal Project	:	45.31
97	Suheli Major Irrigation Project	:	112.9
98	Tanda Pump Canal	:	53.04
99	Tanda Pump Canal Major Irrigation Project	:	538.83
100	Tons Pump Canal Major Irrigation Project	:	434.23
101	Tumaria Reservoir Medium Irrigation Project	:	323.03
102	Umarahat Pump Canal Phase - I Medium Irrigation Project	:	29.49
103	Upper Ganga Canal	:	79.49
104	Upper Ganga Canal Major Irrigation Project	:	4741.35
105	Upper Khajuri Medium Irrigation Project	:	21.27
106	Urmil Dam Major Irrigation Project	:	53.1
107	Yamuna Pump Canal Major Irrigation Project	:	180.47
108	Zamania Pump Canal Major Irrigation Project	:	364.39

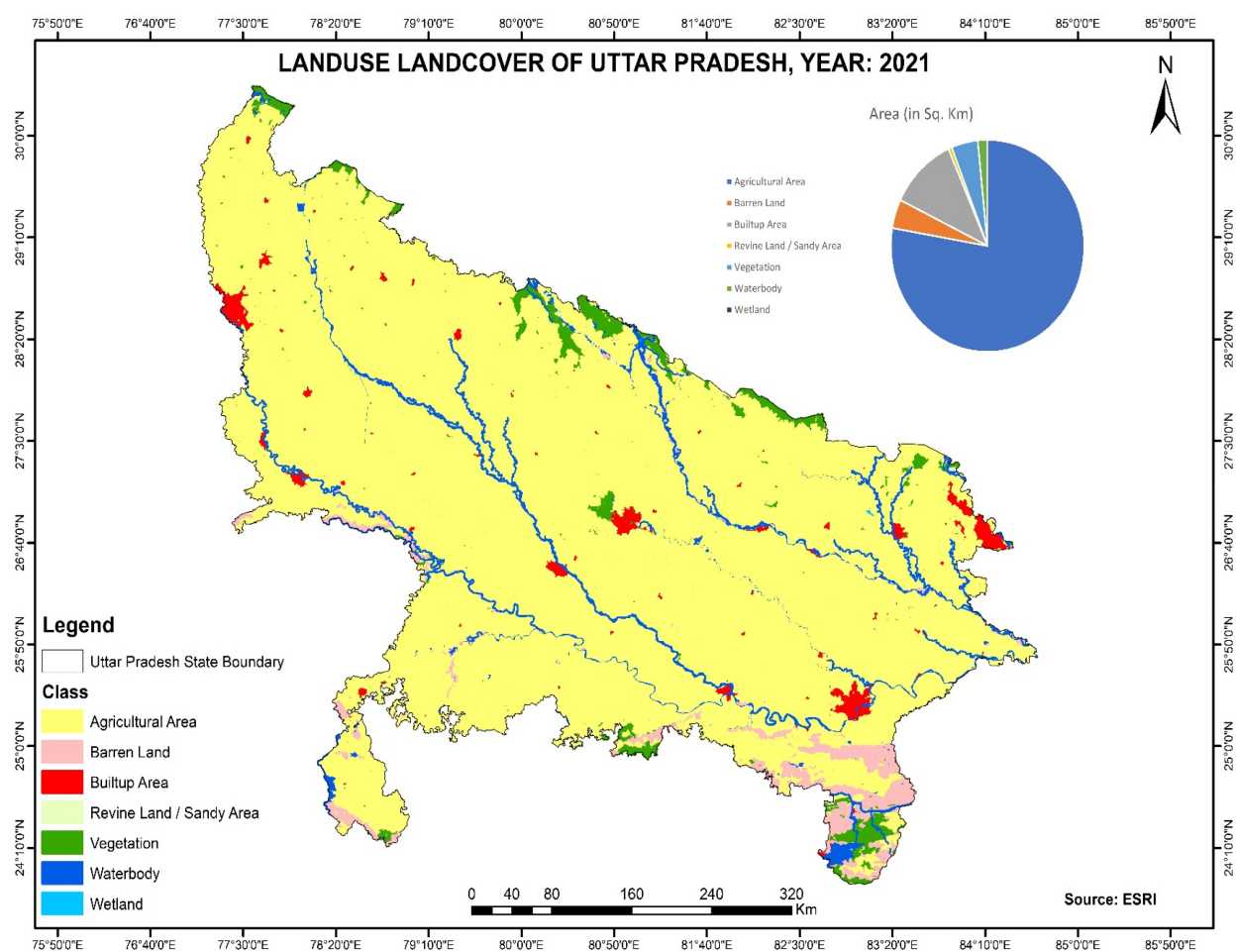
UTTAR PRADESH: LAND USE LAND COVER [250 K]



Imagery: multi-temporal satellite data of IRS AWiFS sensor
 Year: 2017-18
 Accuracy: 90.07 % with a range of 86 to 95 % in different states.

NRSC BHUVAN

UTTAR PRADESH: LAND USE LAND COVER [SENTINEL-2]



Imagery: Sentinel-2
Year: 2021
Accuracy: 85.96%

Source: ESRI

UTTAR PRADESH: FOREST COVER

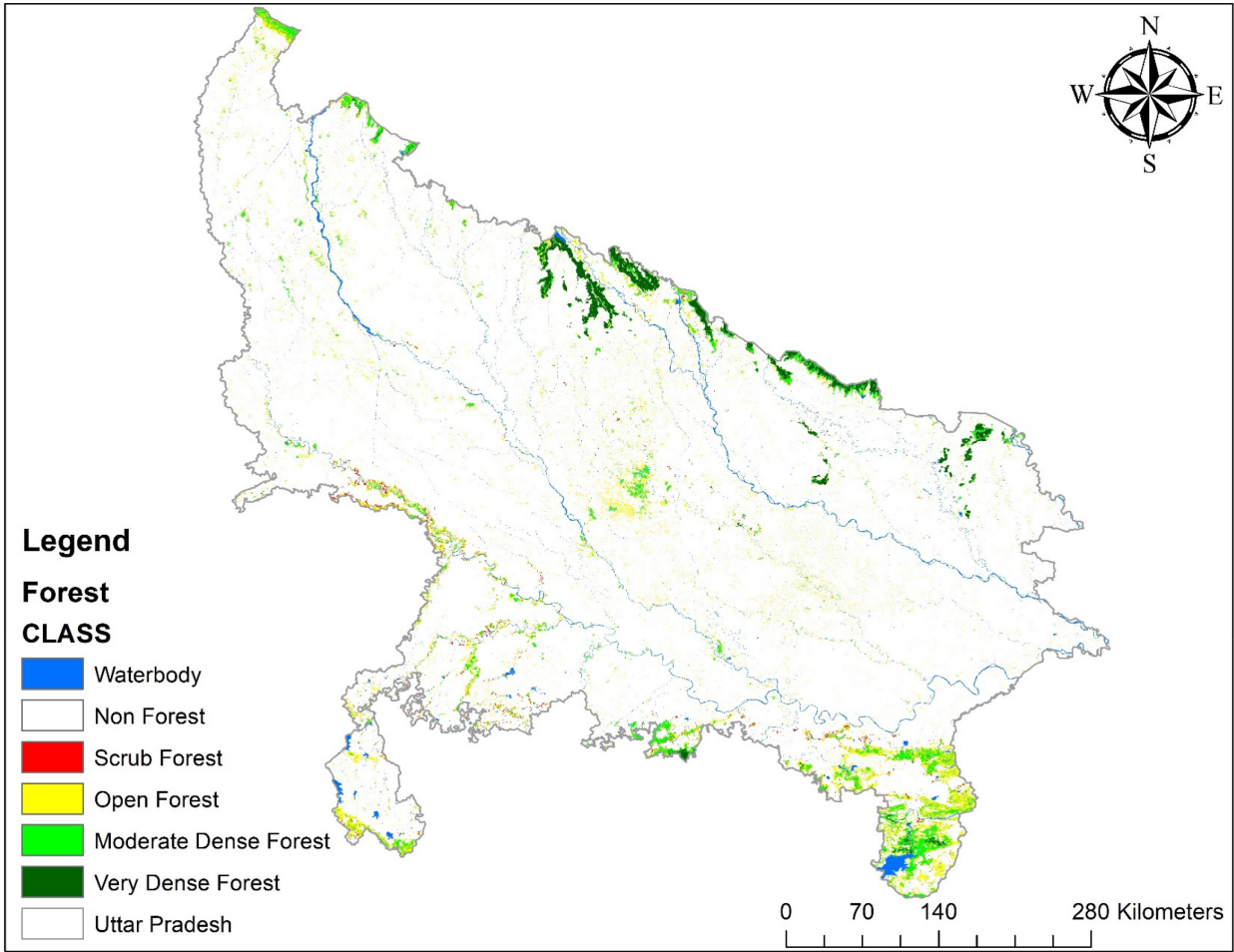


Figure: Forest cover map of Uttar Pradesh Source: Forest Survey of India

UTTAR PRADESH: ANNUAL RAINFALL [1960 – 2020]

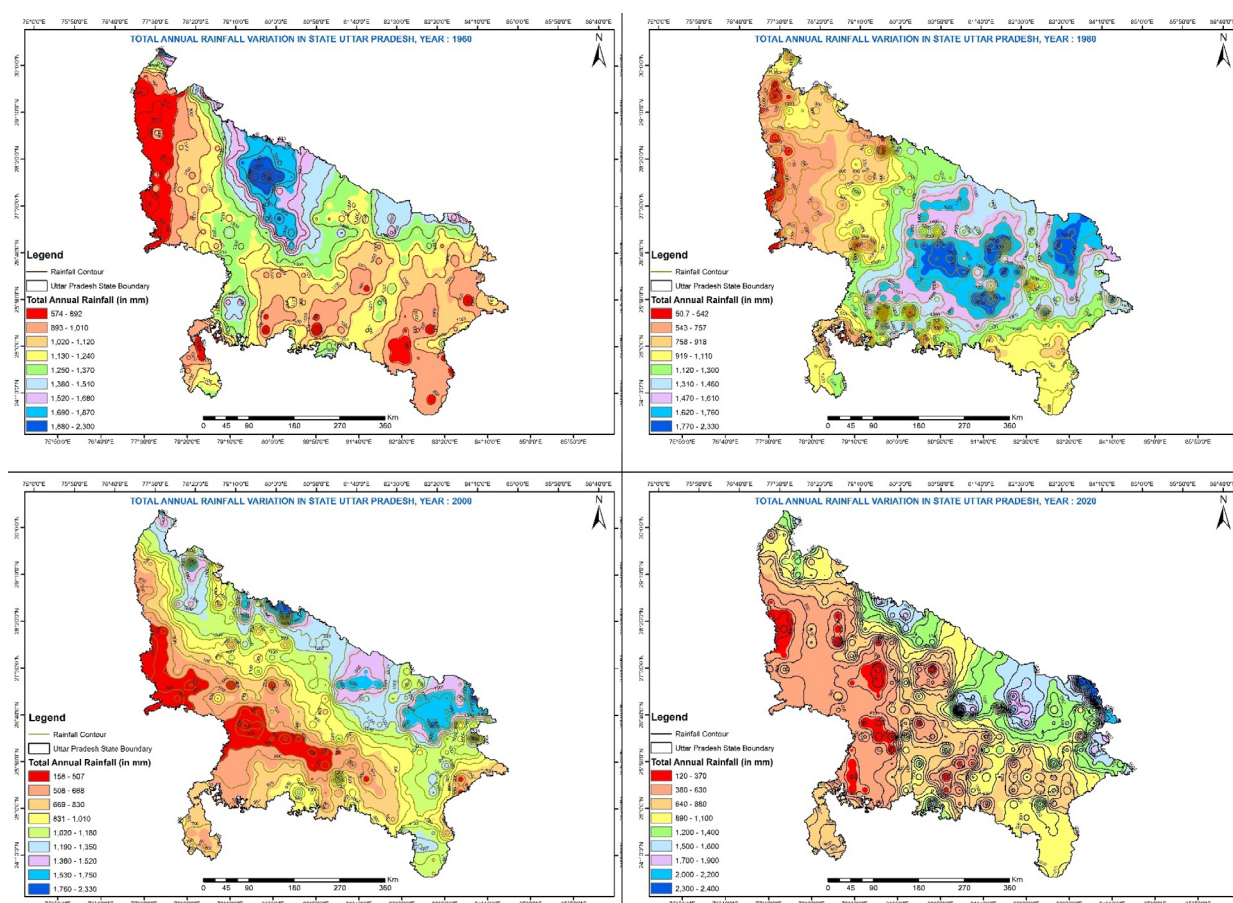
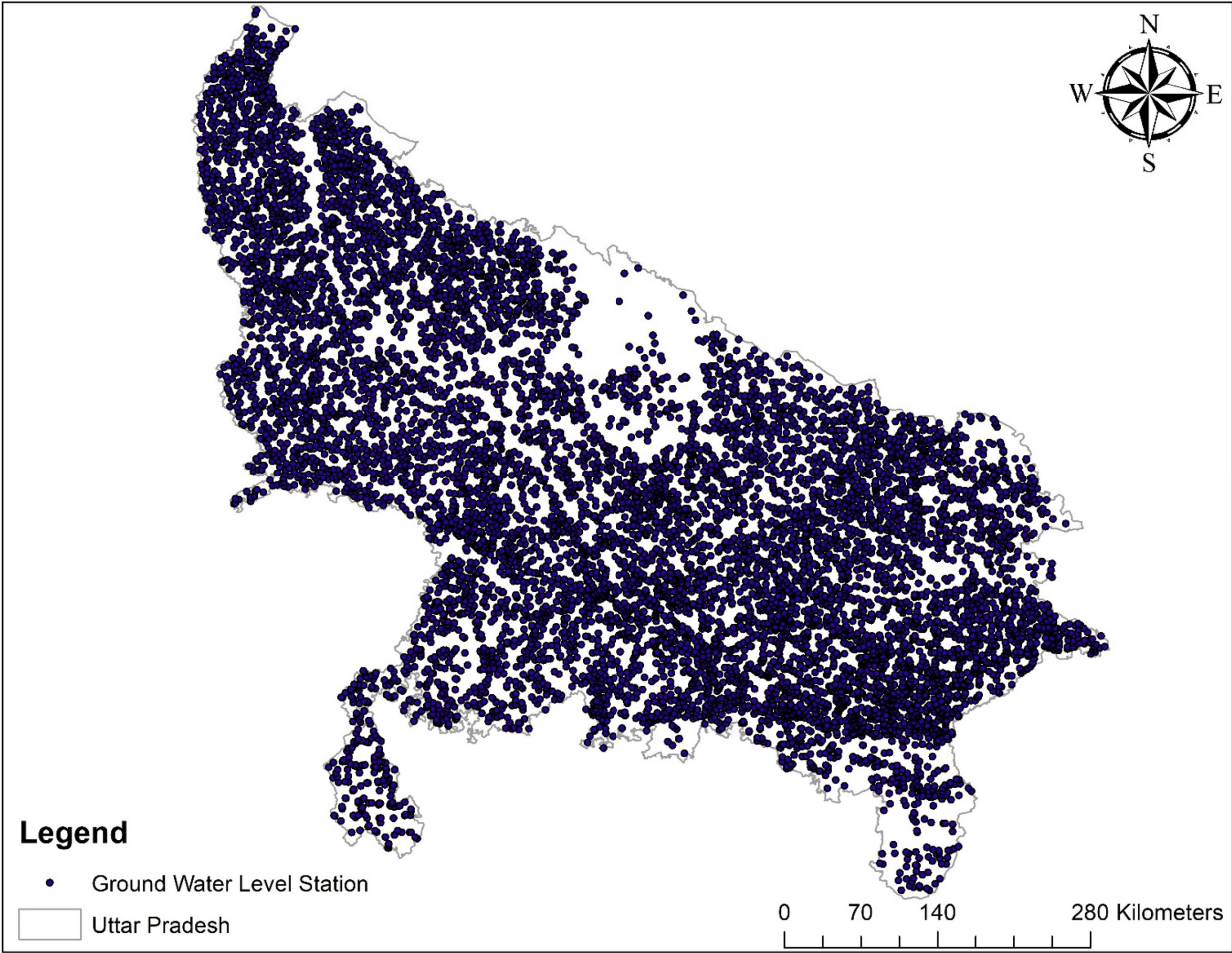


Figure: Annual rainfall pattern variation in the state of Uttar Pradesh

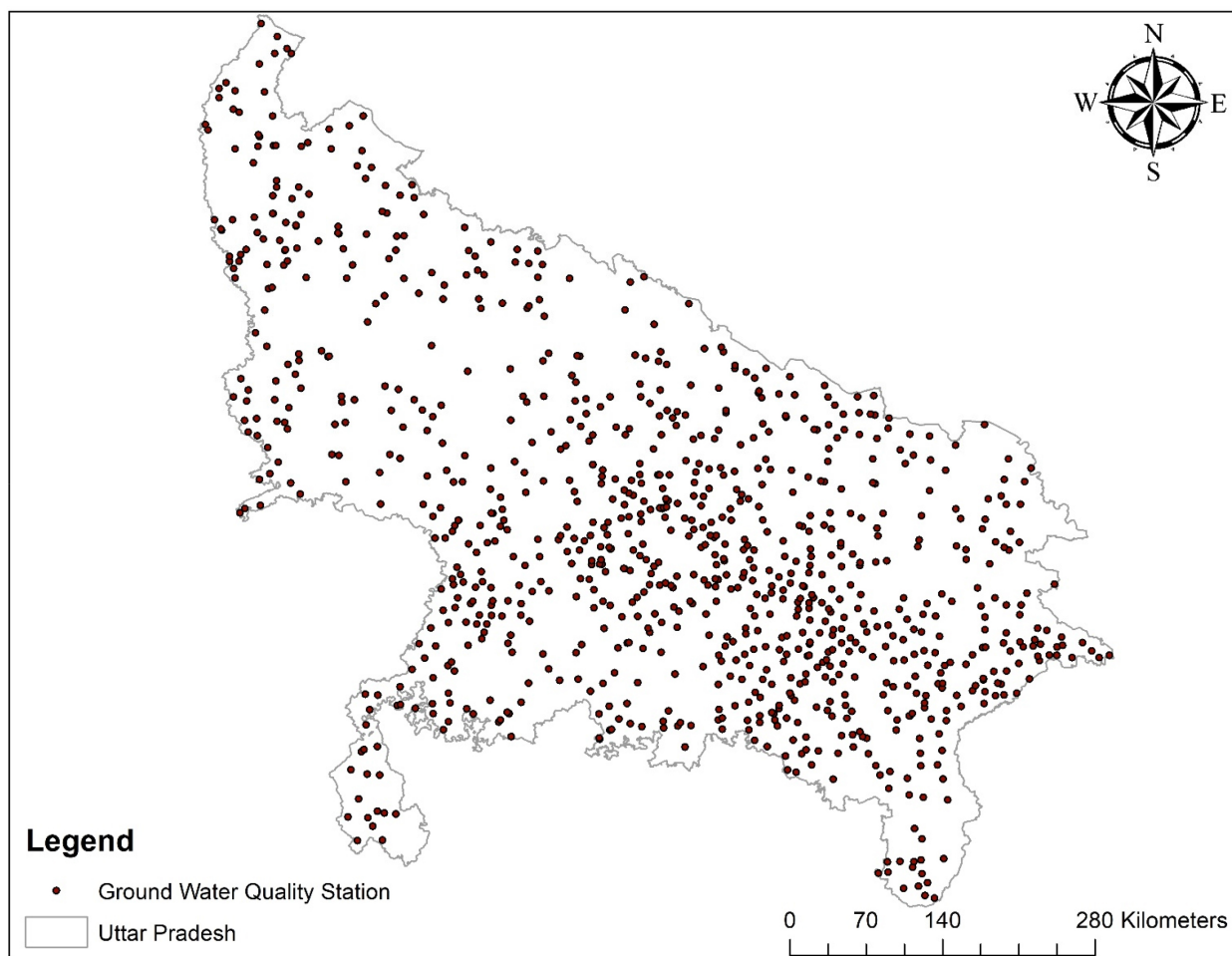
Source: IMD rainfall data

UTTAR PRADESH: GROUNDWATER LEVEL STATION



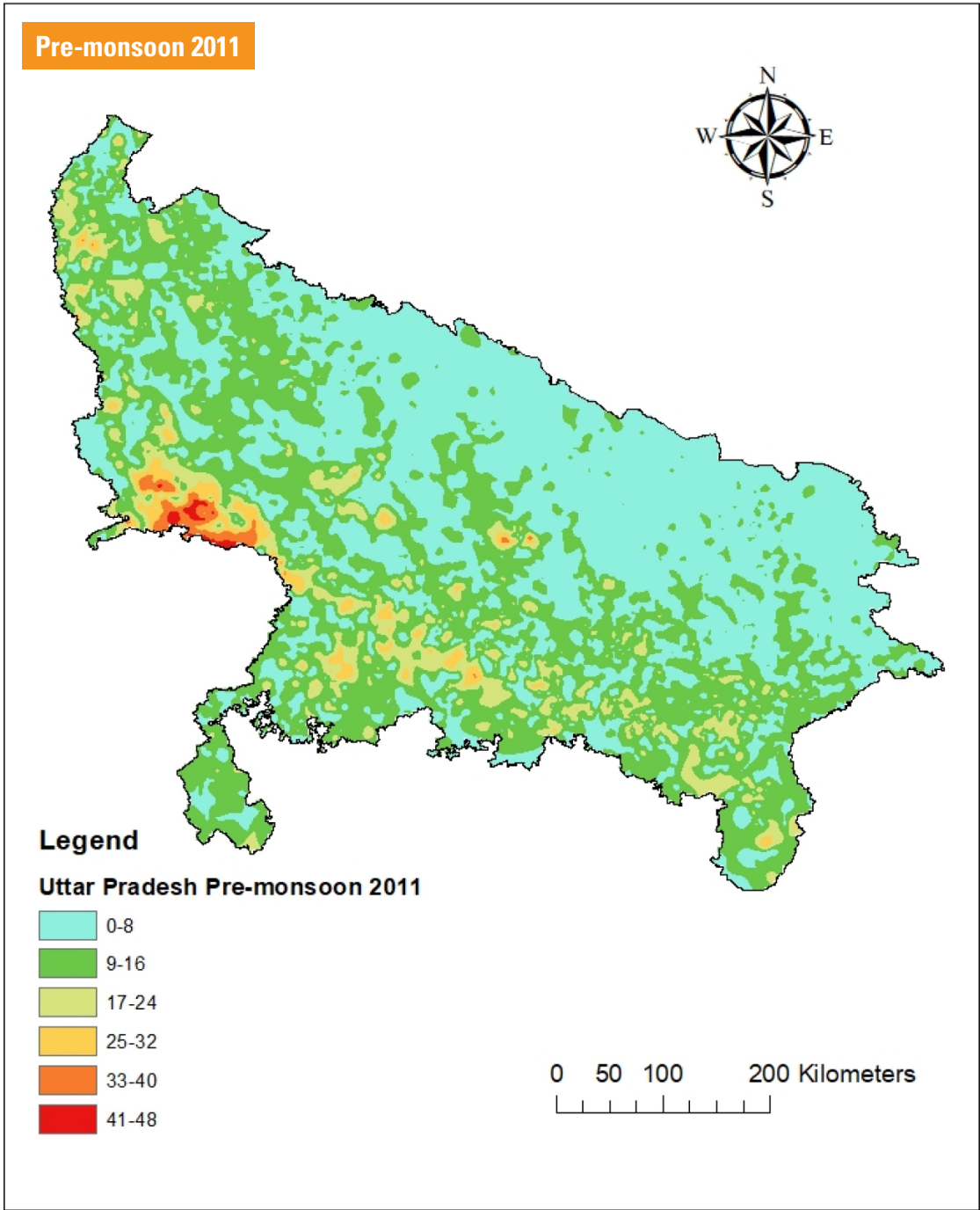
Source: CGWC

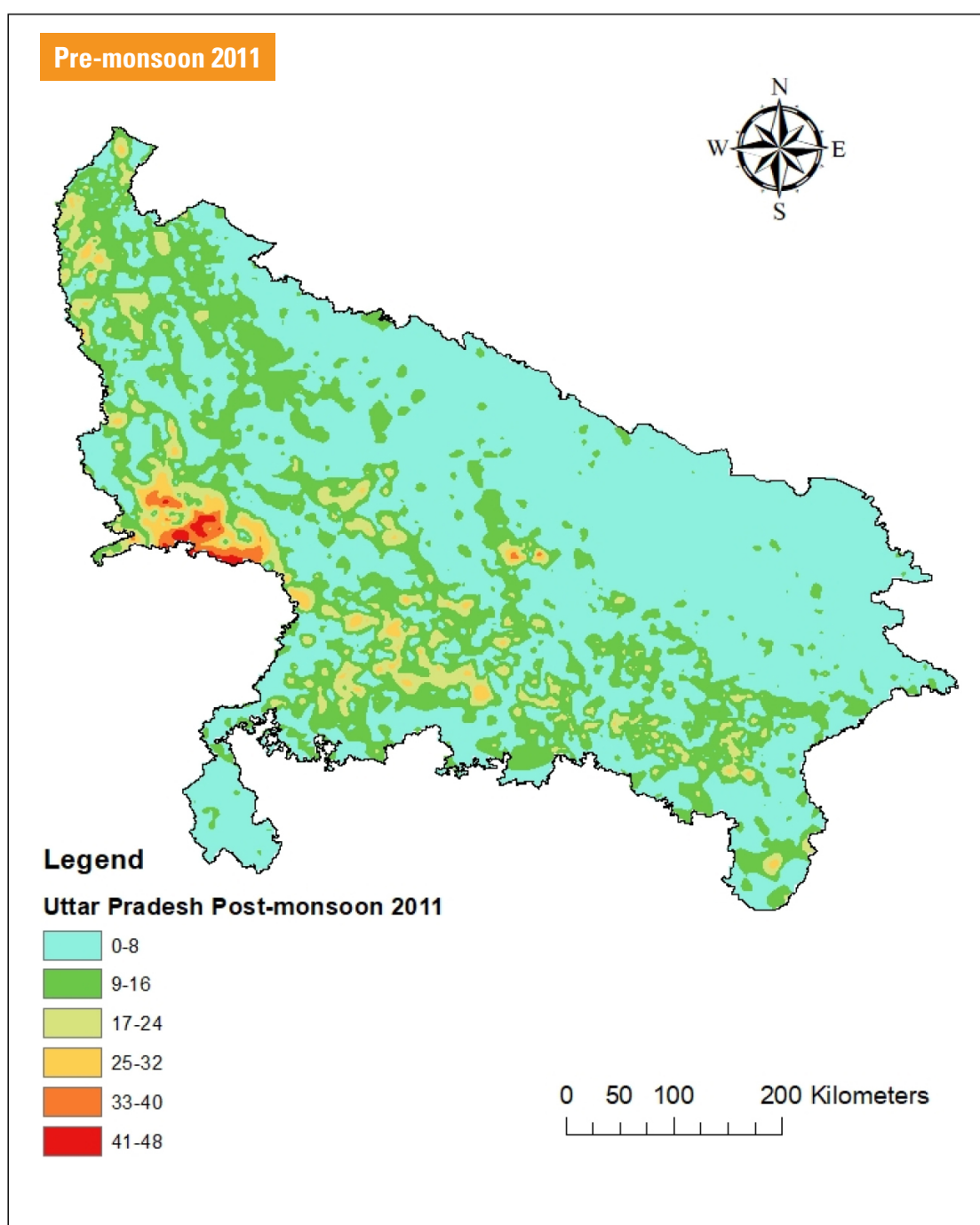
UTTAR PRADESH: GROUNDWATER QUALITY STATION



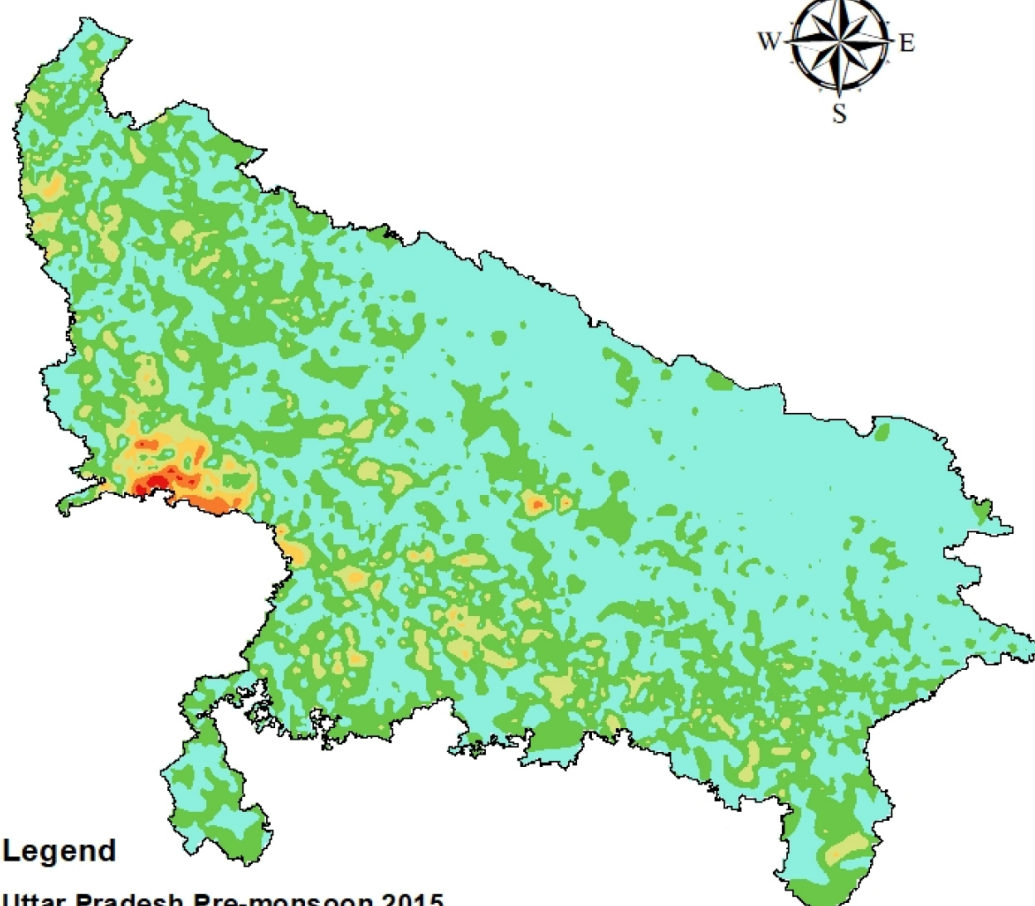
Source: CGWC

UTTAR PRADESH: GROUNDWATER ELEVATION CONTOUR



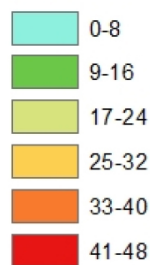


Pre-monsoon 2015

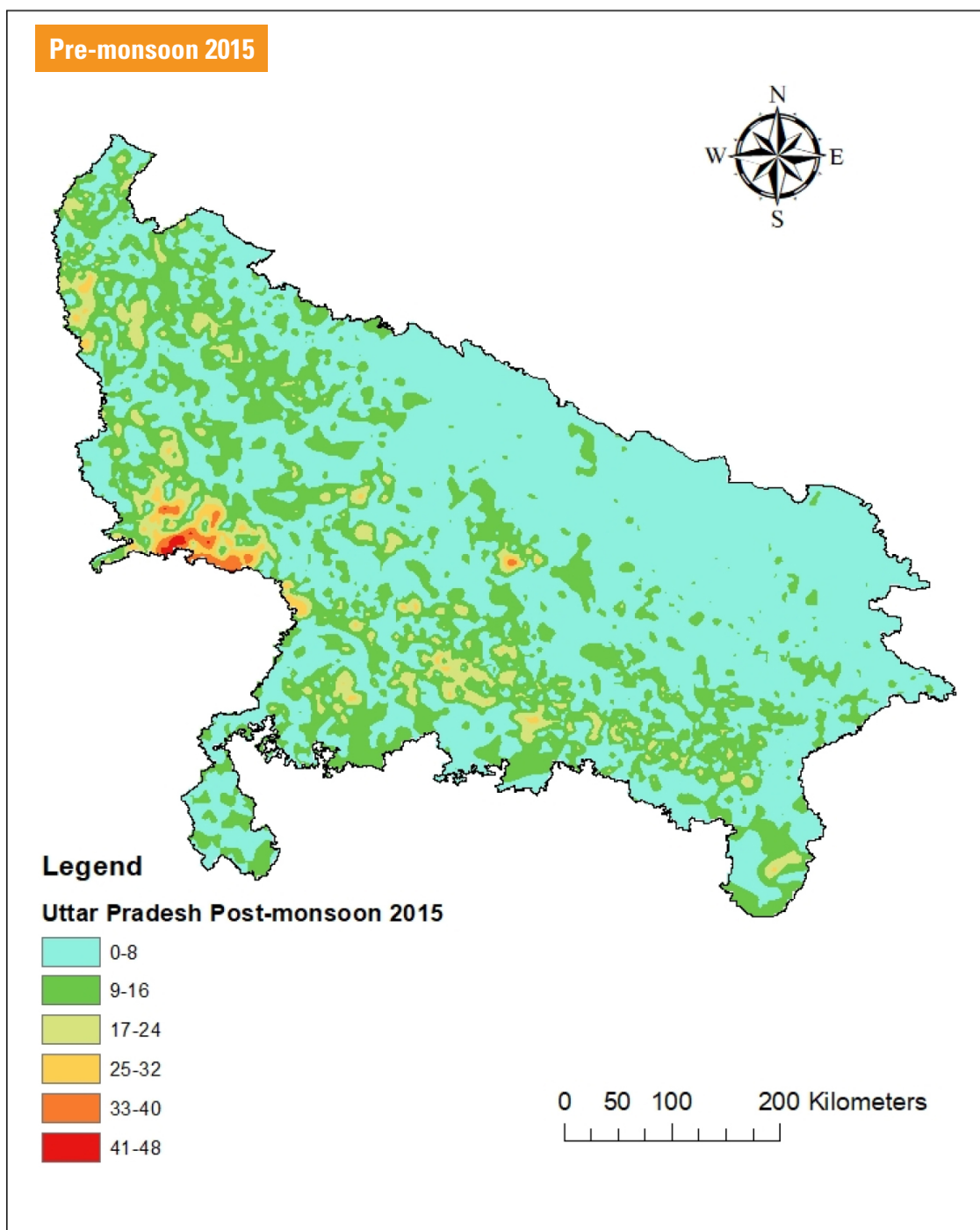


Legend

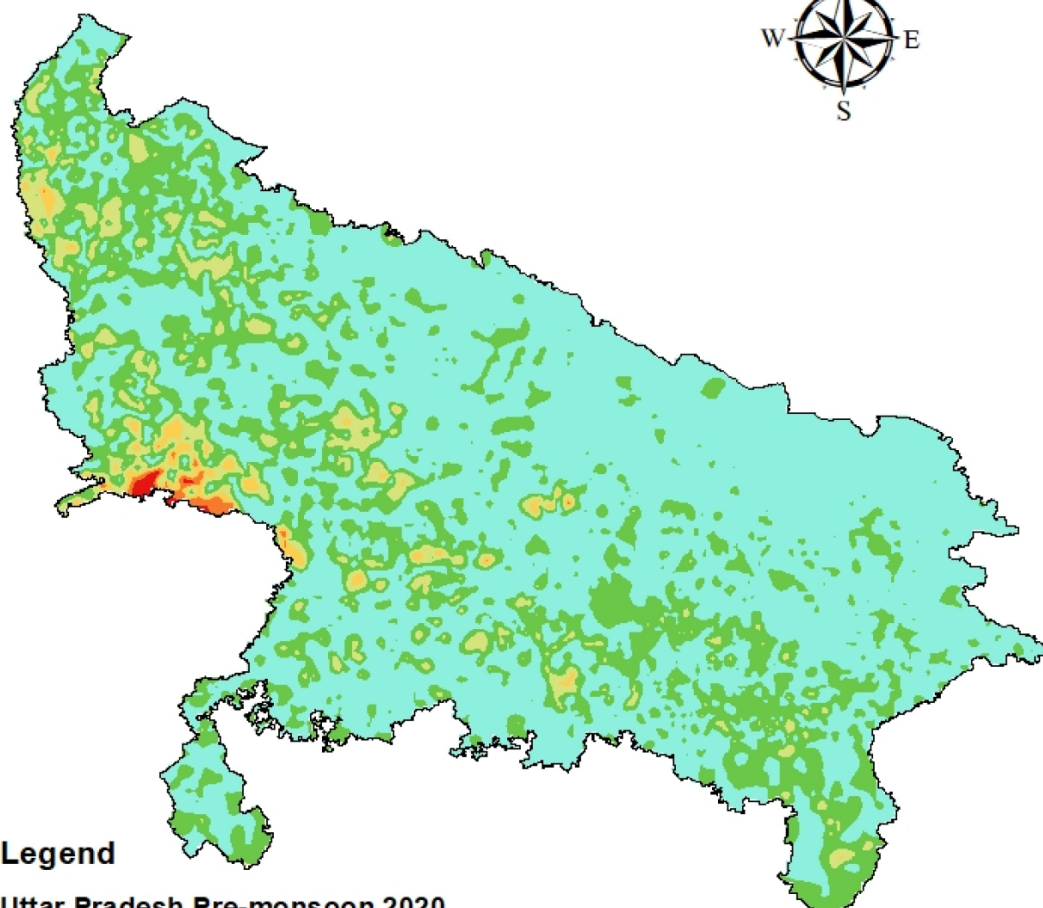
Uttar Pradesh Pre-monsoon 2015



0 50 100 200 Kilometers

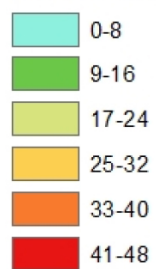


Pre-monsoon 2020



Legend

Uttar Pradesh Pre-monsoon 2020



0 50 100 200 Kilometers



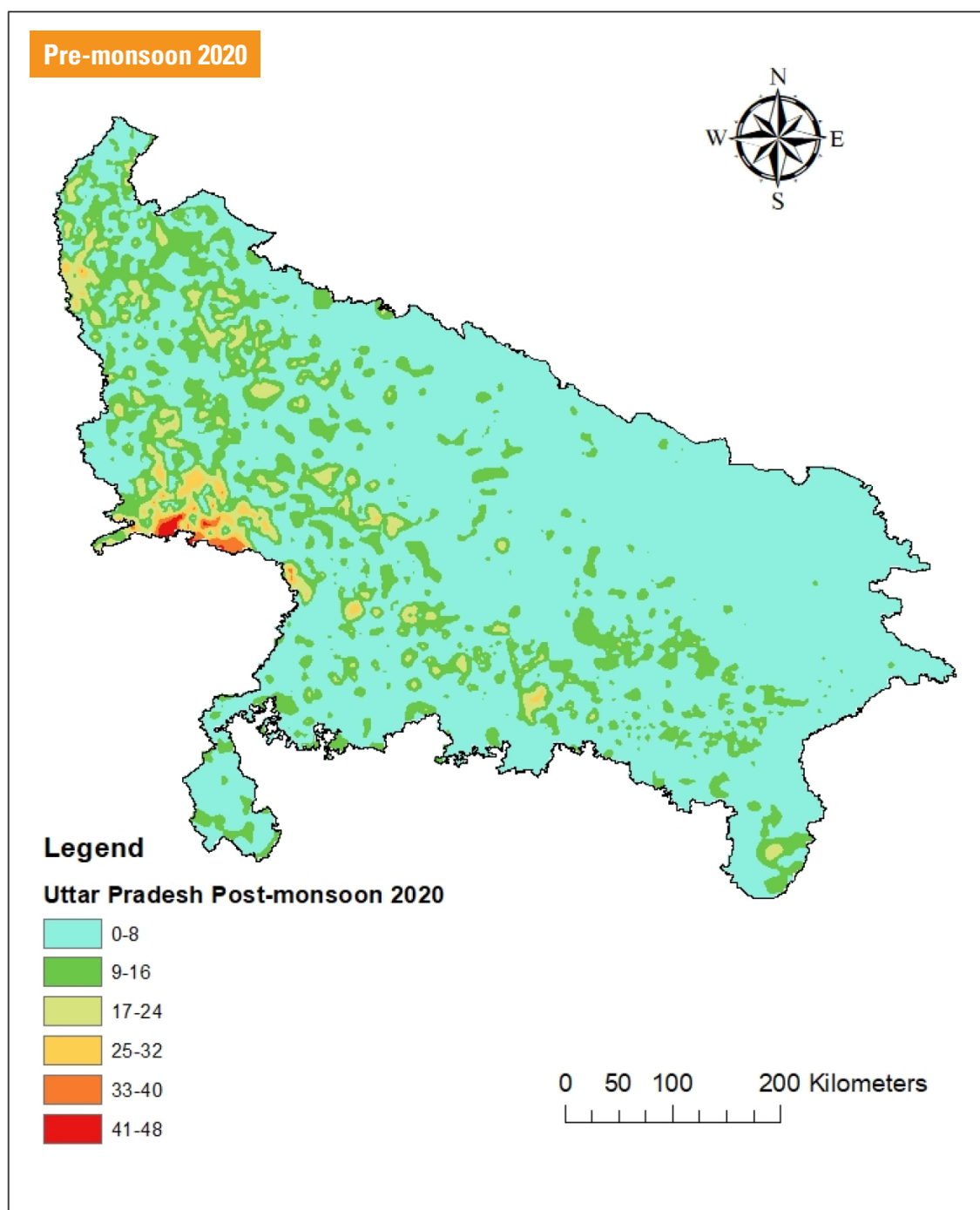
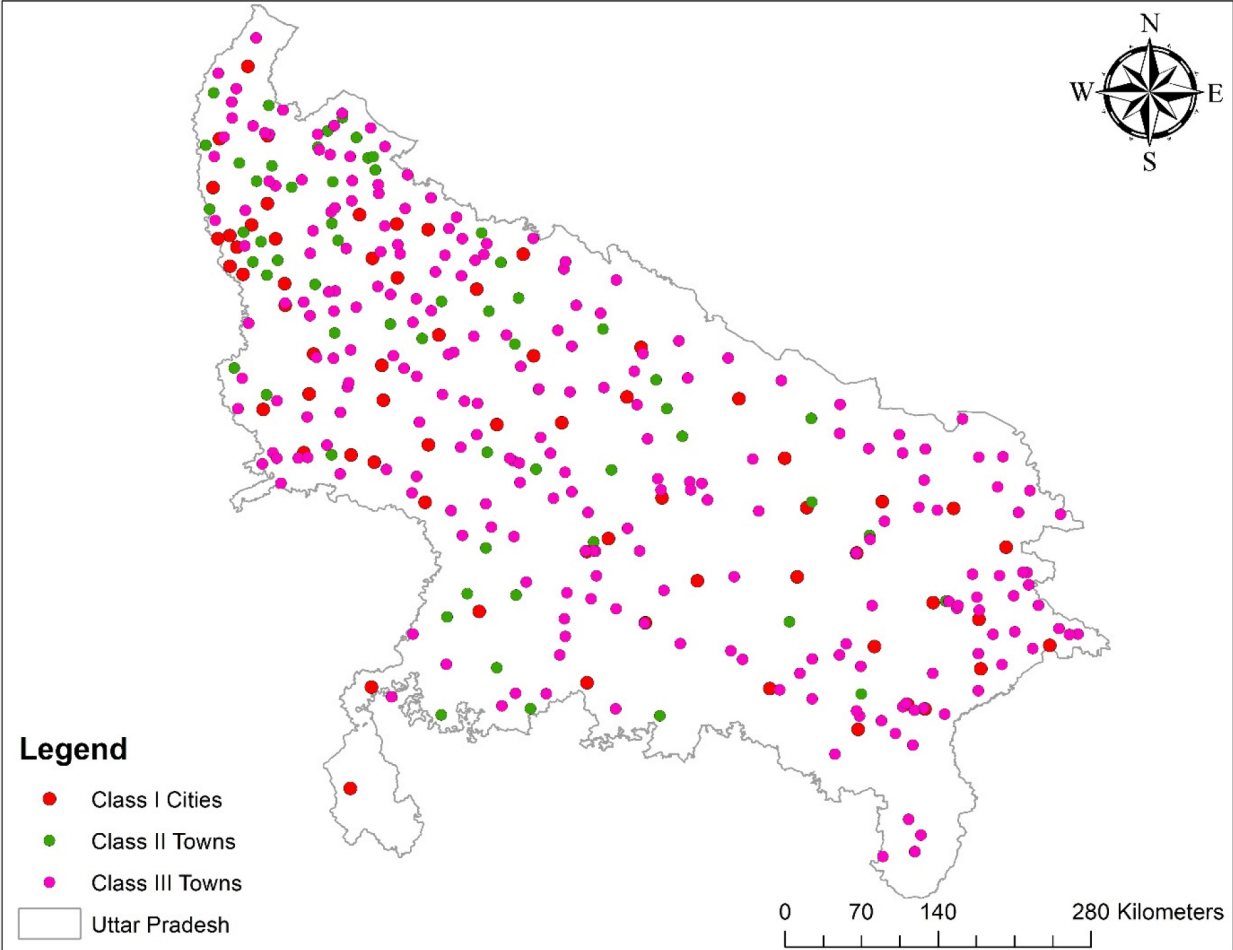


Figure: Ground water level (in mbgl) variation during pre and post monsoon period of the years 2011, 2015 and 2020 in the state Uttar Pradesh

Source: CGWC

UTTAR PRADESH: CLASS I, II AND III CITIES



Source: Census 2011

63 Class I cities,
59 Class II and 232 Class III towns

UTTAR PRADESH: CWC SITE LOCATION

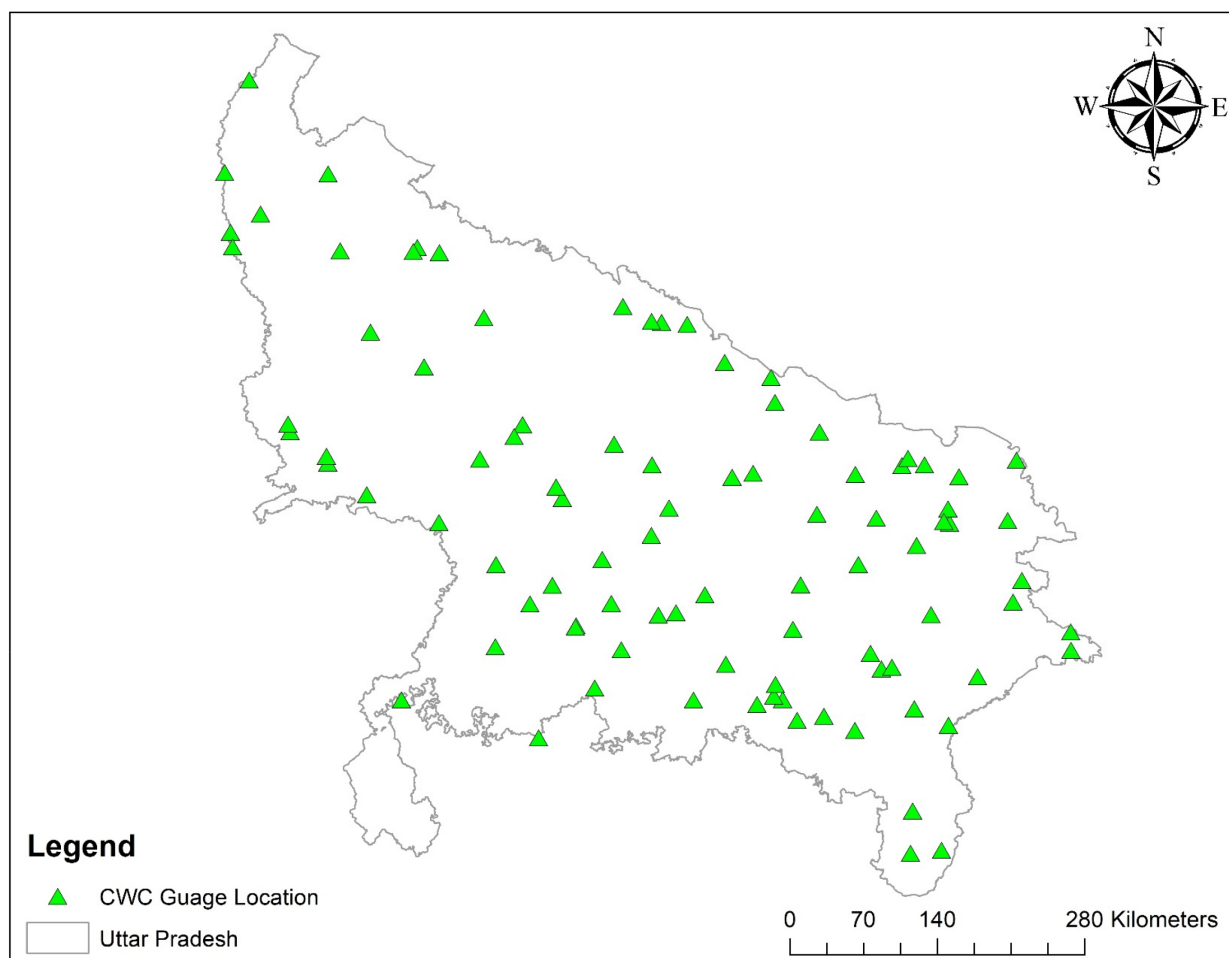


Figure: CWC gauge locations in the state of Uttar Pradesh

Source: CWC

UTTAR PRADESH: CWC SITES

S No	Station Name	River	District	Measurement Type	Data Available Since
1	Agra J.B	Yamuna	Agra	G	6/15/1977
2	Agra P.G	Yamuna	Agra	GDSQ	10/1/1976
3	Akbarpur	Choti Sarju	Ambedkarnagar	G	7/3/1981
4	Ankinghat	Ganga	Kanpur Dehat	GDSQ	5/14/1968
5	Arnota	Uttangan	Agra	GD	11/18/1970
6	Auraiya	Yamuna	Auraiya	GDSQ	1/1/1981
7	Ayodhya	Saryu	Faizabad	GDSQ	7/7/1970
8	Azamgarh	Choti Sarju	Azamgarh	G	5/20/1980
9	B.K.Ghat	Ghagra	Bahraich	G	4/6/1963
10	Baghpat	Yamuna	Baghpat	GD	2/26/1975
11	Ballia	Ganga	Ballia	G	4/1/1971
12	Balrampur	Rapti	Balrampur	GDSQ	11/7/1970
13	Banda	Ken	Banda	GDSQ	1/1/1972
14	Bani	sai	Lucknow	G	8/6/1984
15	Bansi	Rapti	Siddarthnagar	G	6/16/1971
16	Bareilly	Ramganga	Bareilly	GDSQ	5/20/1970
17	Basti	Kwano	Basti	GDQ	4/24/1959
18	BatpurWaghat	Gomti	Sitapur	G	6/15/1976
19	Bewar	Kali	Mainpuri	G	7/15/1970
20	Bhinga	Rapti	Srawasti	GDQ	6/16/1974
21	Bhitora	Ganga	Fatehpur	GDSQ	2/21/1971
22	Birdghat	Rapti	Gorakhpur	GDSQ	4/26/1959
23	Chandradeepghat	Kwano	Gonda	G	6/15/1987
24	Chhatnag	Ganga	Allahabad	GDSQ	3/7/1970
25	Chillaghat	Yamuna	Banda	G	7/1/1971
26	Chopan	Sone	Sonbhadra	GDSQ	4/26/1959
27	Colonelganj	Sarju	Gonda	G	12/1/1970
28	Dabri	Ramganga	Shahjahanpur	GDSQ	1/15/1985

S No	Station Name	River	District	Measurement Type	Data Available Since
29	Dalmau	Ganga	Raebareli	G	2/1/1971
30	Dharamnagari	Ganga	Bijnor	G	4/16/2008
31	Duddhi	Kanhar	Sonbhadra	GDSQ	6/1/2004
32	Elginbridge	Ghagra	Barabanki	GDSQ	1/5/1959
33	Etawah	Yamuna	Etawah	GDSQ	1/1/1972
34	Fatehgarh	Ganga	Farukhabad	GDSQ	11/14/1971
35	Galeta	Hindon	Meerut	GDQ	10/23/1970
36	Gangpur Siswan	Ghagra	Siwan	G	7/1/1970
37	Garmukhteshwar	Ganga	Ghaziabad	GDSQ	1/4/1967
38	Ghaighat	Sarju	Bahraich	G	4/11/1963
39	Ghazipur	Ganga	Gazipur	G	6/1/1970
40	Gokul Barrage	Yamuna	Mathura	GQ	6/1/2006
41	Hamirpur	Yamuna	Hamirpur	GDQ	1/1/1981
42	Hetimpur	Choti Gandak	Deoria	G	6/1/1976
43	Jalalpur	Sai	Jaunpur	GD	7/1/1970
44	Jaunpur	Gomti	Jaunpur	GDQ	7/21/1970
45	Kachlabridge	Ganga	Badaun	GDSQ	10/12/1971
46	Kaimaha	Urmil	Hamirpur	G	7/1/1982
47	Kakardhari	Rapti	Shrawasti	G	6/18/1971
48	Kakrahi	Bhuri Rapti	Siddarthnagar	GD	6/15/1971
49	Kalanuar	Yamuna	Saharanpur	GDQ	10/16/1978
50	Kalpi	Yamuna	Jalaun	GD	1/1/1982
51	Kannauj(Gurnatia)	Ganga	Kannauj	G	6/14/2012
52	Kanpur	Ganga	Kanpur Nagar	GDSQ	5/1/1959
53	Khadda	Gandak	Kushinagar(Padrauna)	G	6/1/1973
54	Kora	Rind	Fatehpur	GDQ	1/1/1981
55	Lalpur	Senger	Kanpur Dehat	GD	7/13/1970
56	Lucknow	Gomti	Lucknow	GDSQ	5/10/1969
57	Maighat	Gomti	Jaunpur	GDSQ	7/9/1959
58	Maniram	Rohin	Gorakhpur	G	5/20/1970
59	Mathura	Yamuna	Mathura	GDQ	1/1/1974
60	Mawi	Yamuna	Muzaffar nagar	GDSQ	2/21/1975
61	Meja Road	Tons	Allahabad	GDQ	1/4/1960

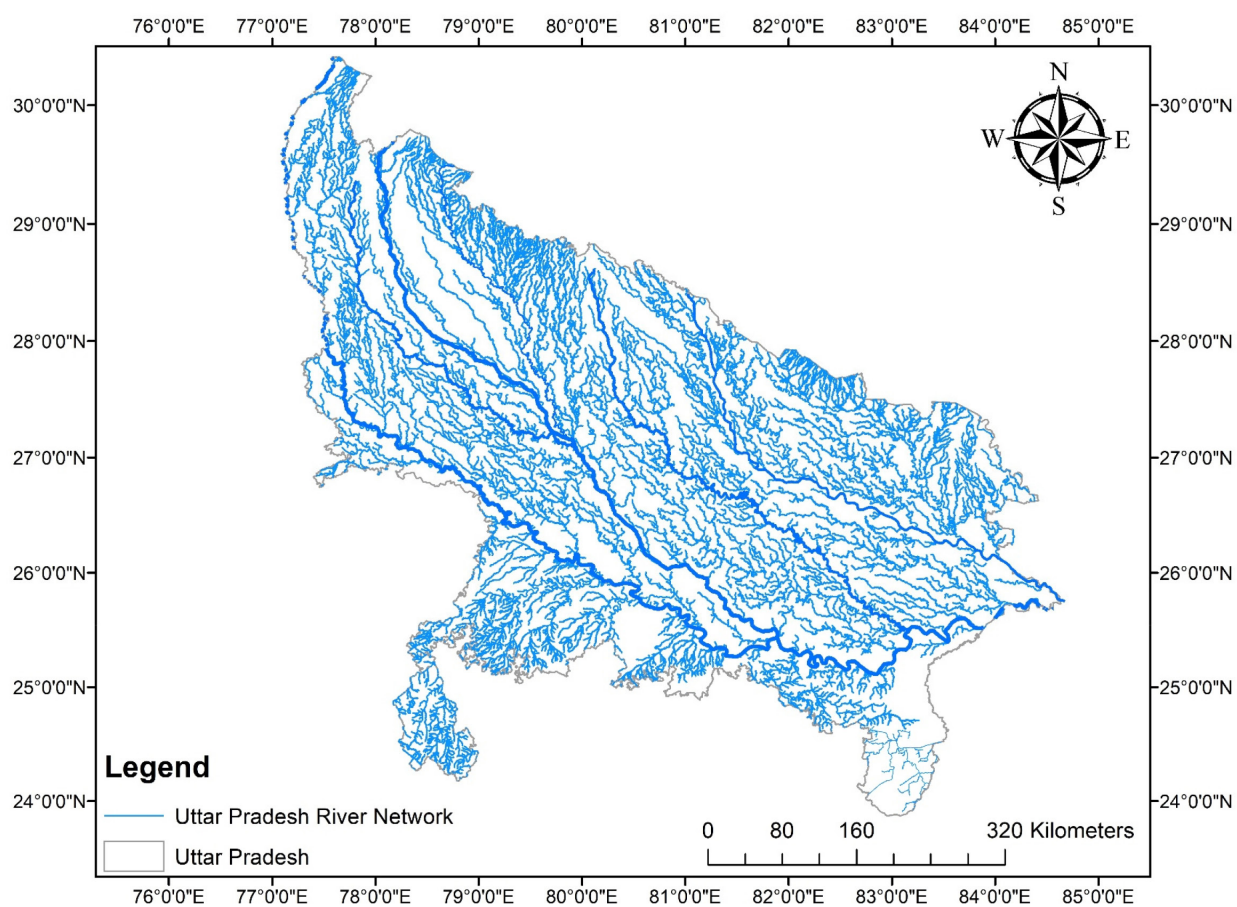
S No	Station Name	River	District	Measurement Type	Data Available Since
62	Mirzapur	Ganga	Mirzapur	GDSQ	5/31/1976
63	Mohana	Btewa	Jalaun	GD	12/25/1983
64	Moradabad	Ramganga	Moradabad	GDSQ	5/22/1968
65	Moradabad (GANGAN)	Ramganga	Moradabad	G	5/2/1970
66	Motipur	Suheli	Lakhimpur Kheri	G	7/1/1977
67	Mukhlispur	Kwano	Sant Kabir Nagar	G	12/1/1970
68	Naini	Yamuna	Allahabad	G	3/17/1971
69	Narhan	Karnanasa	Chandauli	GDQ	1/2/2004
70	Narora	Ganga	Bulandshahr	G	6/1/1976
71	Nautghat	Btewa	Jhansi	G	7/1/1980
72	Neemsar	Gomti	Sitapur	GDQ	7/21/1976
73	Paliakalan	Sharda	Lakhimpur Kheri	GDSQ	4/15/1959
74	Palla	Yamuna	New Delhi	GDQ	5/1/1991
75	Phaphamau	Ganga	Allahabad	G	6/12/1971
76	Pratapgarh	Sai	Pratapgarh	G	12/8/1984
77	Pratapgarh	Yamuna	Allahabad	GDSQ	1/1/1981
78	Raibareli	sai	Raibareli	GDQ	1/7/1970
79	Rajapur	Yamuna	Banda	GD	12/30/1976
80	Rampur	Kosi	Rampur	G	3/27/1970
81	Regauli	Rapti	Gorakhpur	GDSQ	1/1/1976
82	Rihand Dam	Rihand	Sonbhadra	G	9/1/1972
83	Salempur	Choti Gandak	Deoria	G	4/22/1959
84	Shahijina	Btewa	Hamirpur	GDSQ	1/12/1964
85	Shahzadpur	Ganga	Kaushambi	GDSQ	6/19/1959
86	Shardanagar	Sharda	Lakhimpur Kheri	G	7/21/1969
87	Sitamarhi	Ganga	Sant R. Nagar	G	8/10/2002
88	Sultanpur	Gomti	Sultanpur	GDQ	9/17/1969
89	Trimohinighat	Rohin	Maharajganj	G	6/16/1971
90	Turtipar	Ghagra	Ballia	GDSQ	12/11/1962
91	Uskabazar	Kunhara	Siddharthnagar	G	6/16/1971
92	Varanasi	Ganga	Varanasi	GDSQ	10/4/1959

UTTAR PRADESH AND ITS RIVER NETWORK

Total Basin Area: 232444.60 Sq. Km.

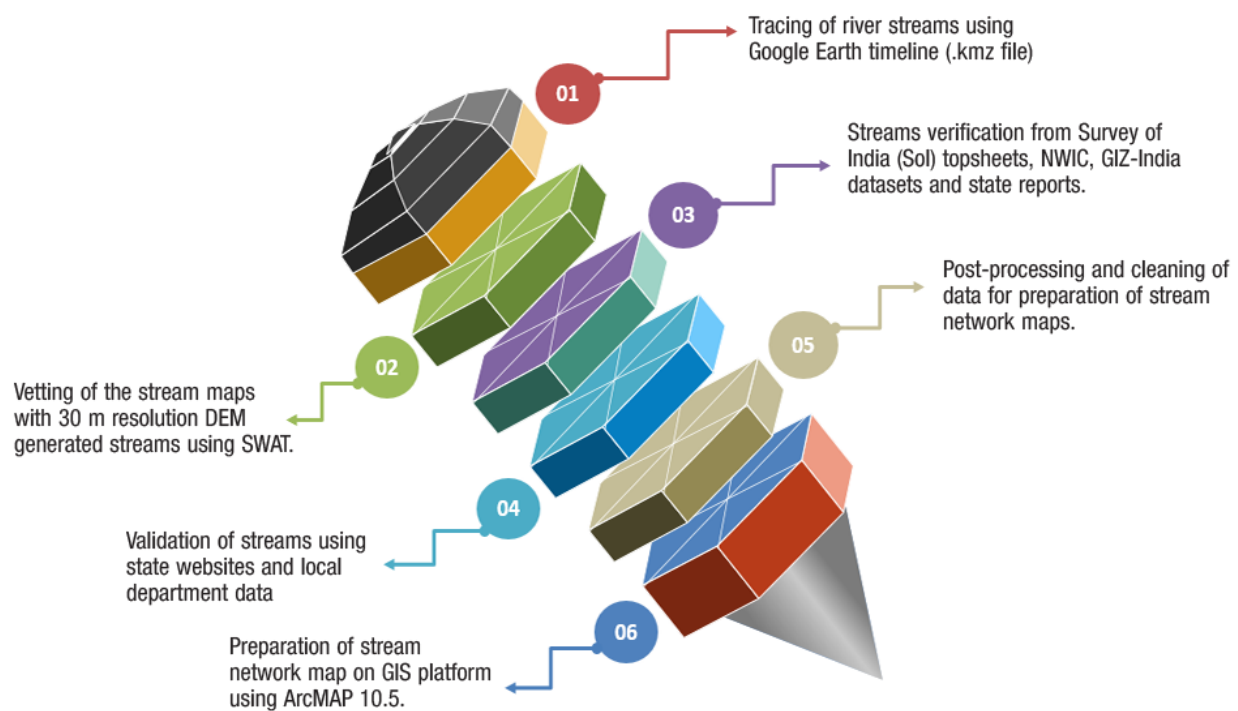
Number of Rivers- 3187

River Network- 62332 Km



RIVER NETWORK PREPARATION METHODOLOGY

The method adopted, in brief, to obtain the river network are stepwise as follows:



- Streams less than 2.5 km and coming from local agriculture land is not covered.
- All streams covered which are coming from populated area (Urban or Rural) even if they are less than 1 km. (if it is visible).

Disclaimer: The accuracies of the maps generated by the above method are subject to the limitations of the data processing tools and software used for the particular geographical regions as represented in Google Earth images, and are subject to future refinement.

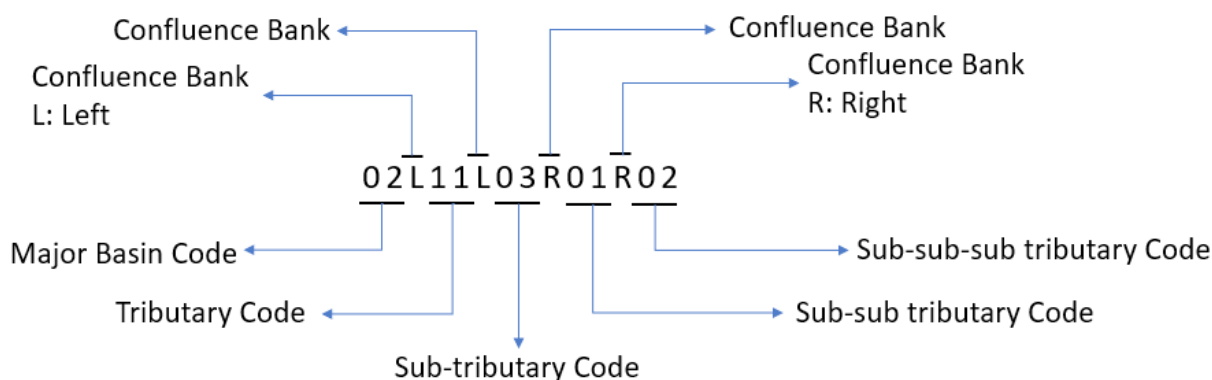
RIVER CODIFICATION SYSTEM

In the present Atlas alphanumeric characters are used for coding the river systems within natural and administrative boundaries. Each sub step in codification system is assigned a digit which reflects the length of the code up to that sub step. The coding has been done for the two different types of compartmentalizing river basins as stated below.

- a) Codification system based on natural delineation
- b) Codification system based on administrative delineation

The natural delineation approach is better suited to study and understand the basin area as a natural ecological unit while administrative delineation is good for determining specific interventions and fixing responsibilities in the implementation of any project relevant to rivers. Both approaches are important for their own reasons and, therefore, it was decided to develop the codification system for both natural as well as administrative delineations.

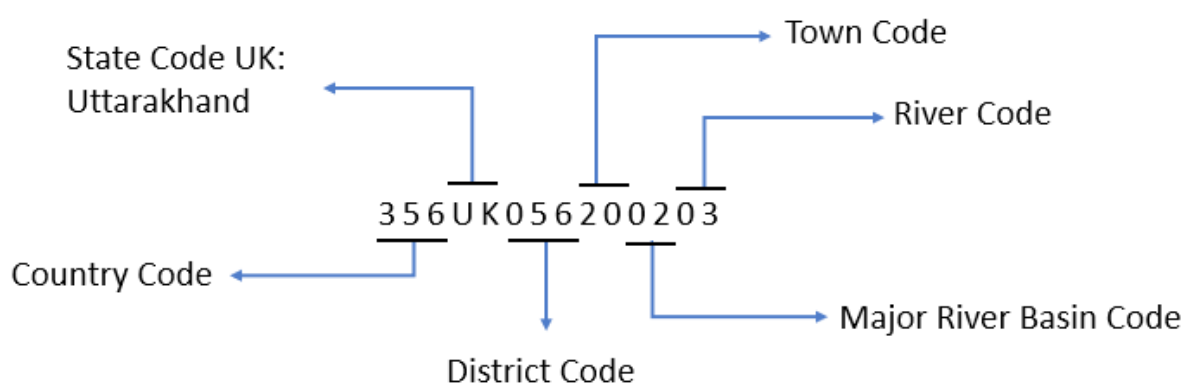
a) Codification system based on natural delineation: In the natural delineation approach, major basin codes given by CWC in River Basin Atlas of India, jointly published by CWC and NRSC, ISRO in October 2012, have been adopted here. These codes are accepted at regional level. In the second step, tributary code is given based on their confluence bank and their sequential number from the origin of the major river. R and L represents Right Bank and Left Bank, respectively, for the confluence bank in this code. For example, L11 in the code represents the 11th tributary (from the head of the major river) joining the major river at the left bank. In steps 3, 4, 5,



etc. the same coding procedure as in step 2 is followed for sub-tributaries joining the tributaries and so on. Thus, the code can be extended without any alteration until it reaches down to the lowest order river.

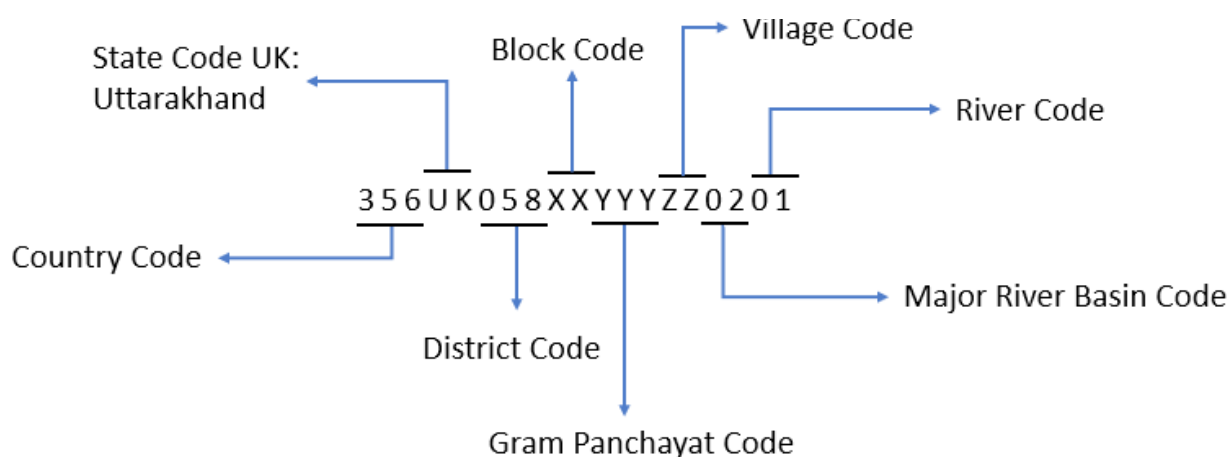
b) Codification system based on administrative delineation: In administrative delineation codes are generated separately for areas coming under urban and rural jurisdictions as further described.

Codification system based on administrative delineation – Urban: In administrative delineation-urban the first 3 digits of the code represent the country code adopted from ISO 3166-1. The next 5 digits give the state code and district code. State code is taken from transportation department and district code is adopted from Census codes. The next 2



digits represent the town, which adopted from the census town codes. In the next step, 2 digits are assigned for major river basins and the codes are adopted from River Basin Atlas of India given by CWC. The last 2 digits of the code represent the river based on higher to lower river order approach, and if there are more than one river of the same order then code is allotted in alphabetical order.

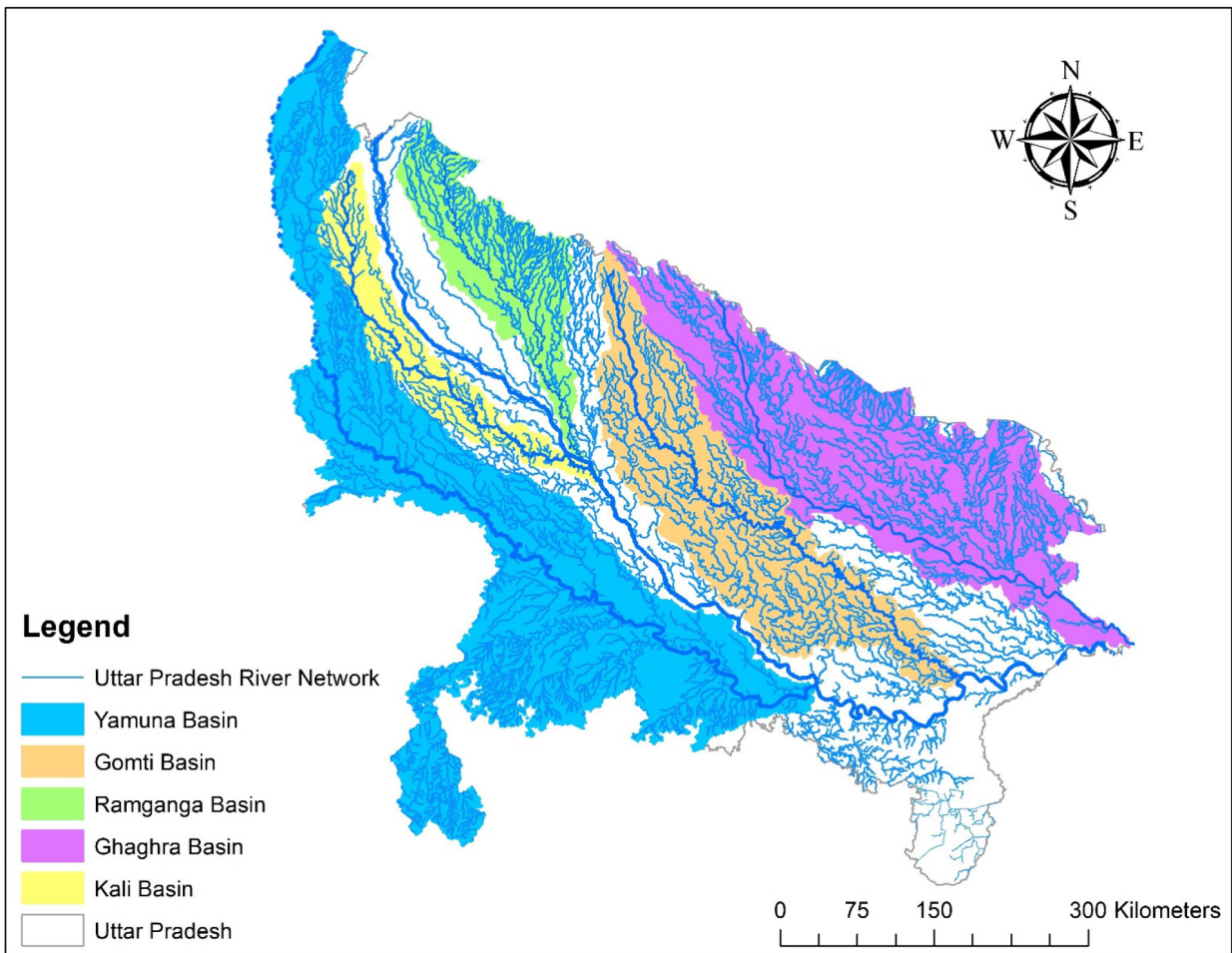
Codification system based on administrative delineation-Rural: In administrative delineation-rural the first 3 digits of the code represent the country code adopted from ISO 3166-1. The next 5 digits give the state code and district code. State code is taken from transportation department and district code is adopted from Census codes. Block, Gram Panchayat and Village codes are further generated based on district codes. In the next step, 2 digits are assigned for major river basin as per the River Basin Atlas of India given by CWC. The last 2 digits of the code represent the river code based on higher to lower river order approach, and if there be more than one river of same order then the code is allotted in alphabetical order.



UTTAR PRADESH: MAJOR BASINS

Major sub-basins of Uttar Pradesh River are as follows:

- Ramganga Basin
- Gomti Basin
- Yamuna Basin
- Kali East Basin
- Ghaghra Basin



RAMGANGA BASIN AND ITS RIVER NETWORK

Ramganga River UID Code:

Basin Area: 24,409.04 Sq. Km.

Major Rivers: Aril, East Bahgul, Khoh, Dhela, Phikha, Kosi, Gaula

Number of rivers: 178

River network: 6012 Km

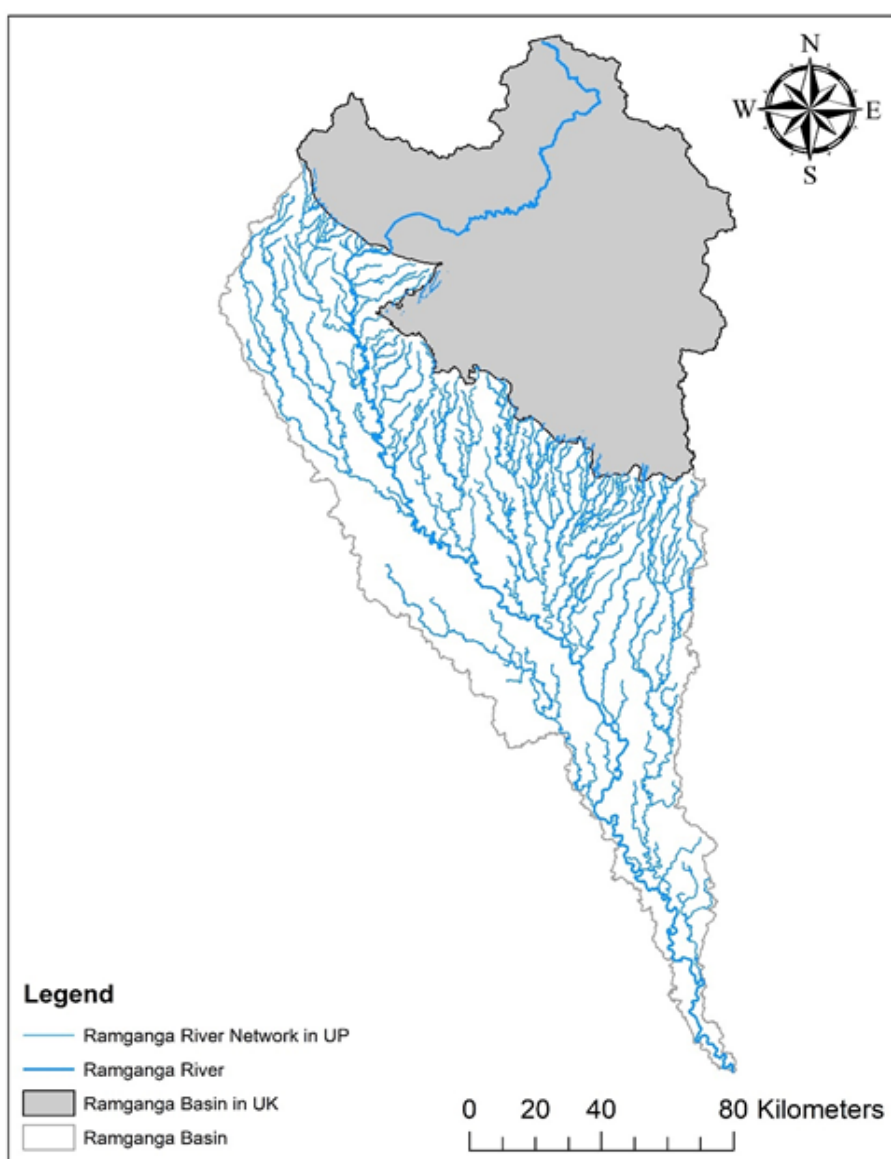
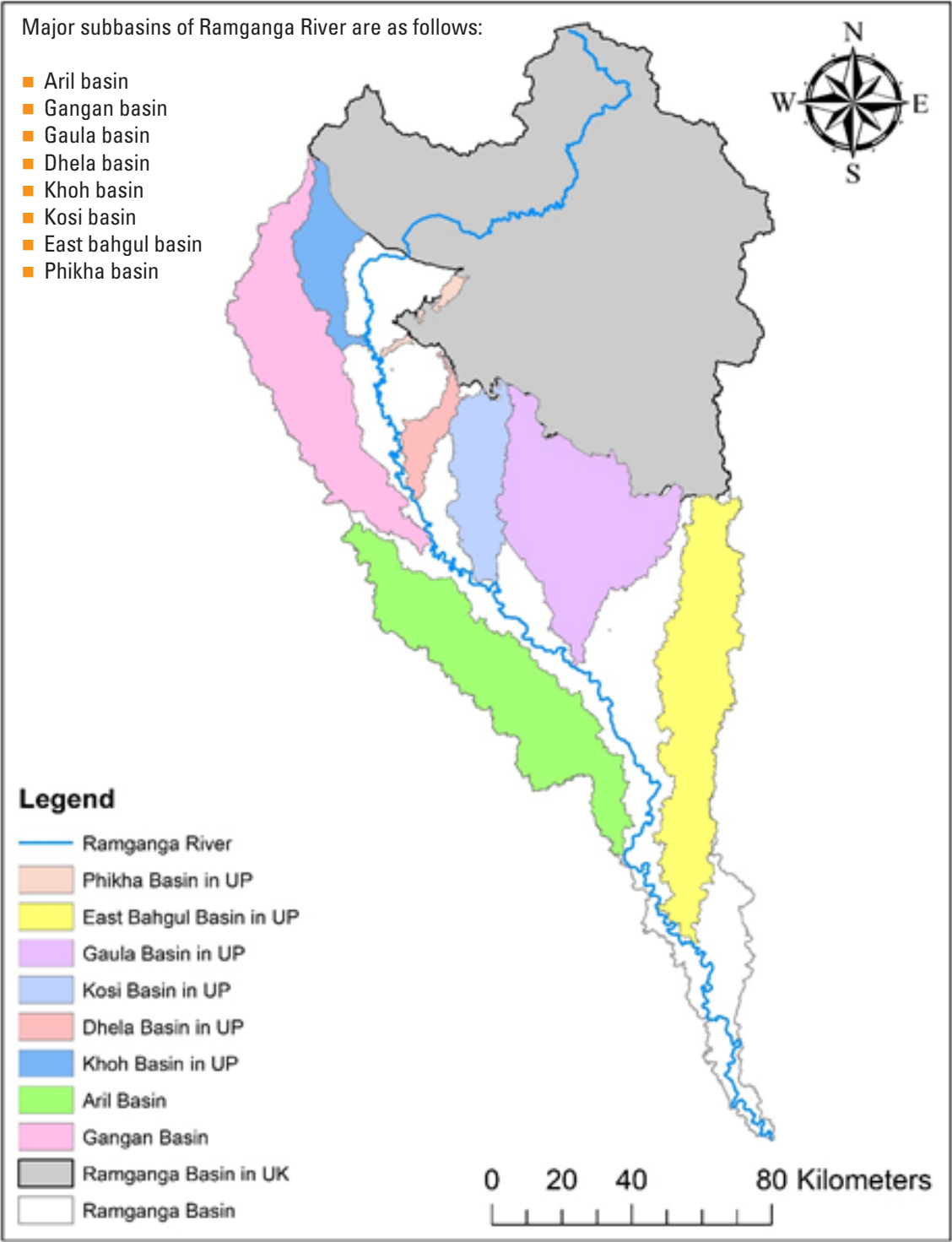


Figure: Ramganga river network

RAMGANGA BASIN: MAJOR SUB-BASINS



ARIL BASIN

Aril River UID Code: 02L01R12

Basin Area: 2061.35 Sq. Km.

Number of rivers: 12

River network: 503.54 Km

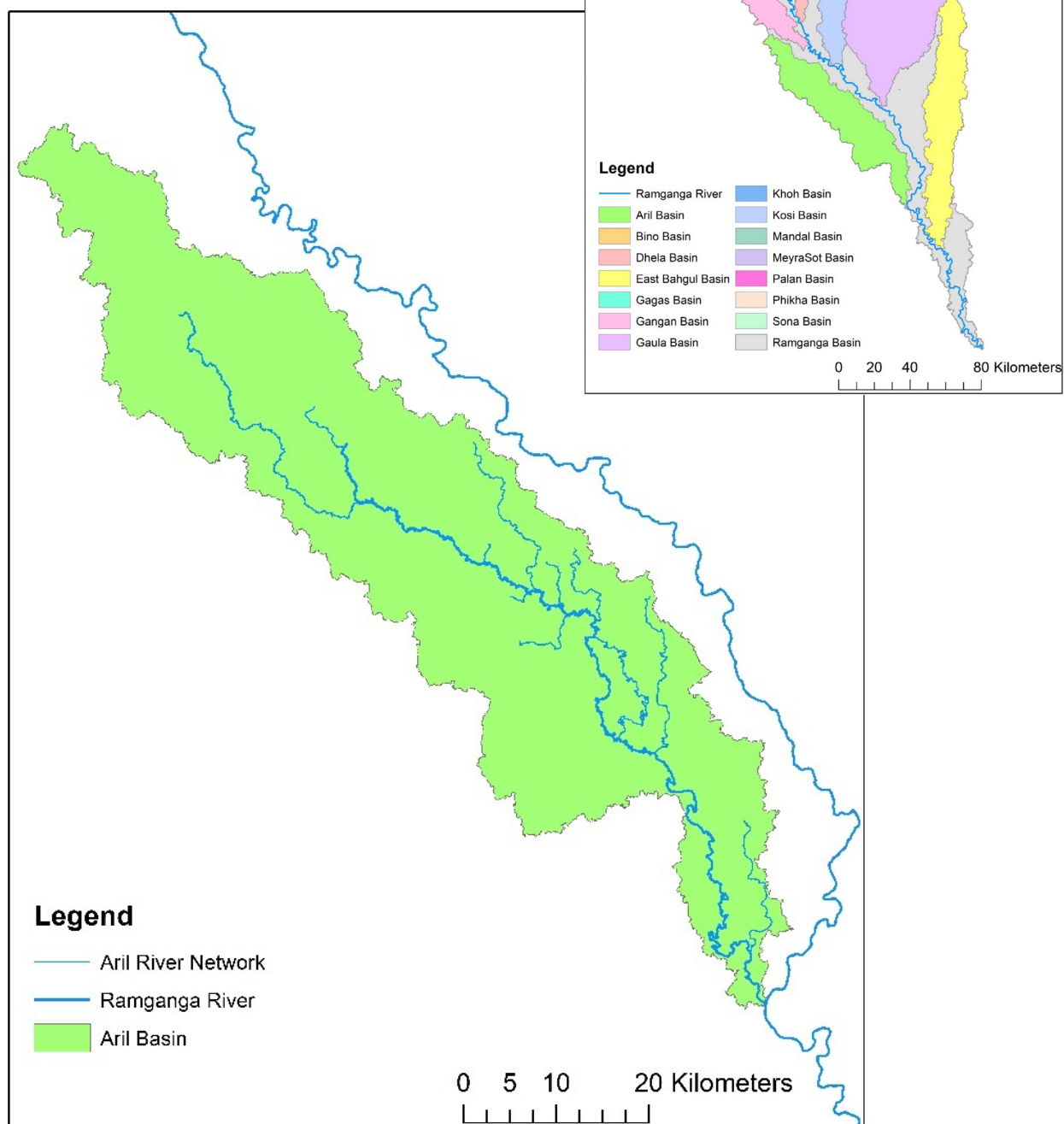


Figure: Aril River Network

ARIL RIVER MAINSTEM FLOW DIAGRAM

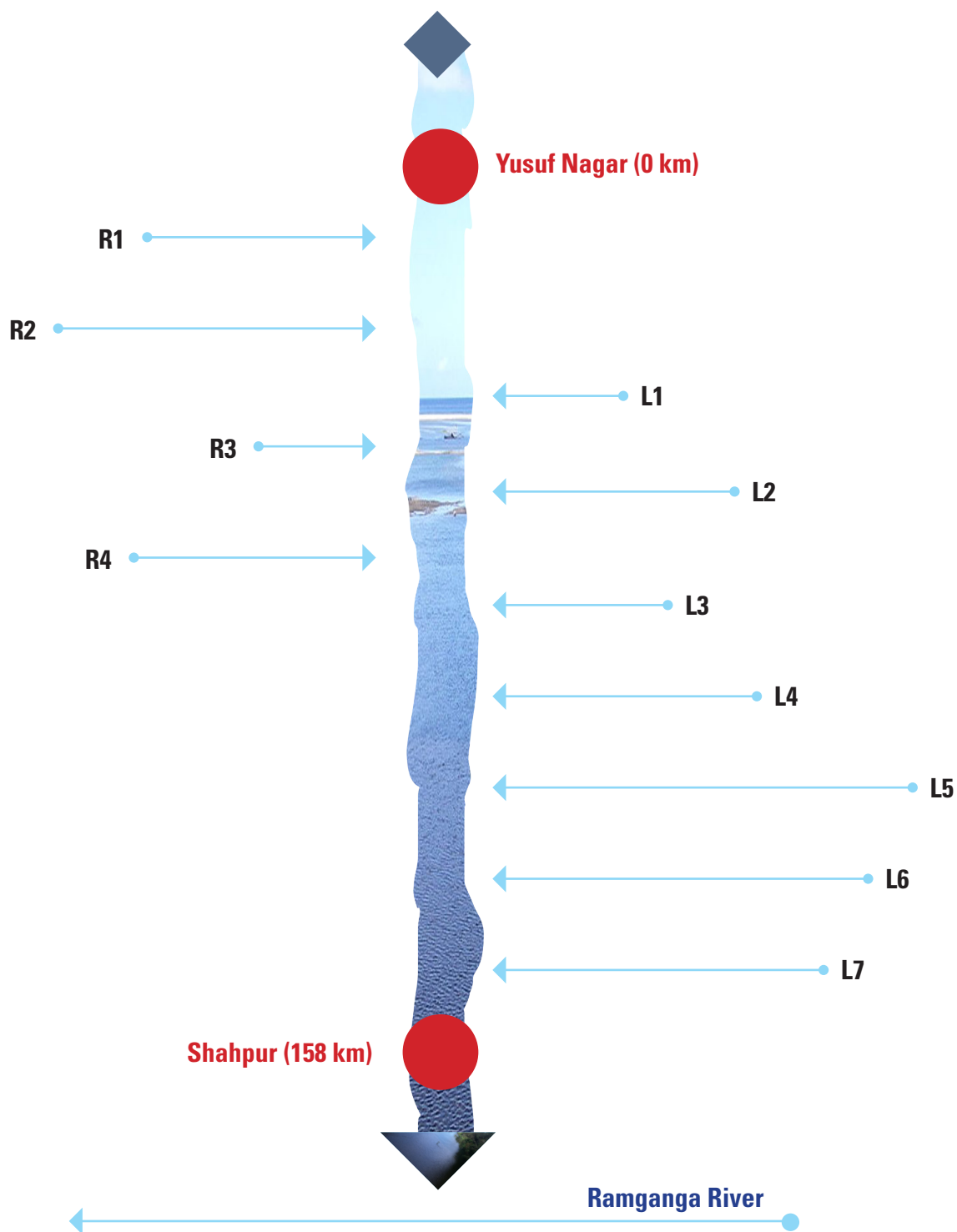


Figure: Flow Diagram of Aril River

ARIL RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 7	R1	9.41	28.472317°	78.937090°	0.77
2	Aril Nala	R2	63.2	28.418296°	78.958947°	10.4
3	Stream 6	L1	2.78	28.360787°	79.095896°	38.2
4	Stream 5	R3	3	28.329273°	79.142932°	48.7
5	Pairiya Nadi	L2	28.5	28.332630°	79.157013°	50.9
6	Stream 4	L3	6.92	28.318950°	79.182493°	57.4
7	Nawab Nadi	R4	10.6	28.307577°	79.187286°	59.1
8	Stream 3	L4	15.4	28.302808°	79.220477°	66.1
9	Aril Nadi	L5	33.3	28.185871°	79.245683°	89.6
10	Bajha Nadi	L6	26.4	28.171281°	79.287500°	96.8
11	Stream 2	L7	21.3	27.975683°	79.394689°	148



GANGAN BASIN

Gangan River UID Code:
 Basin Area: 1968.35 Sq. Km.
 Number of rivers: 09
 River network: 644 Km

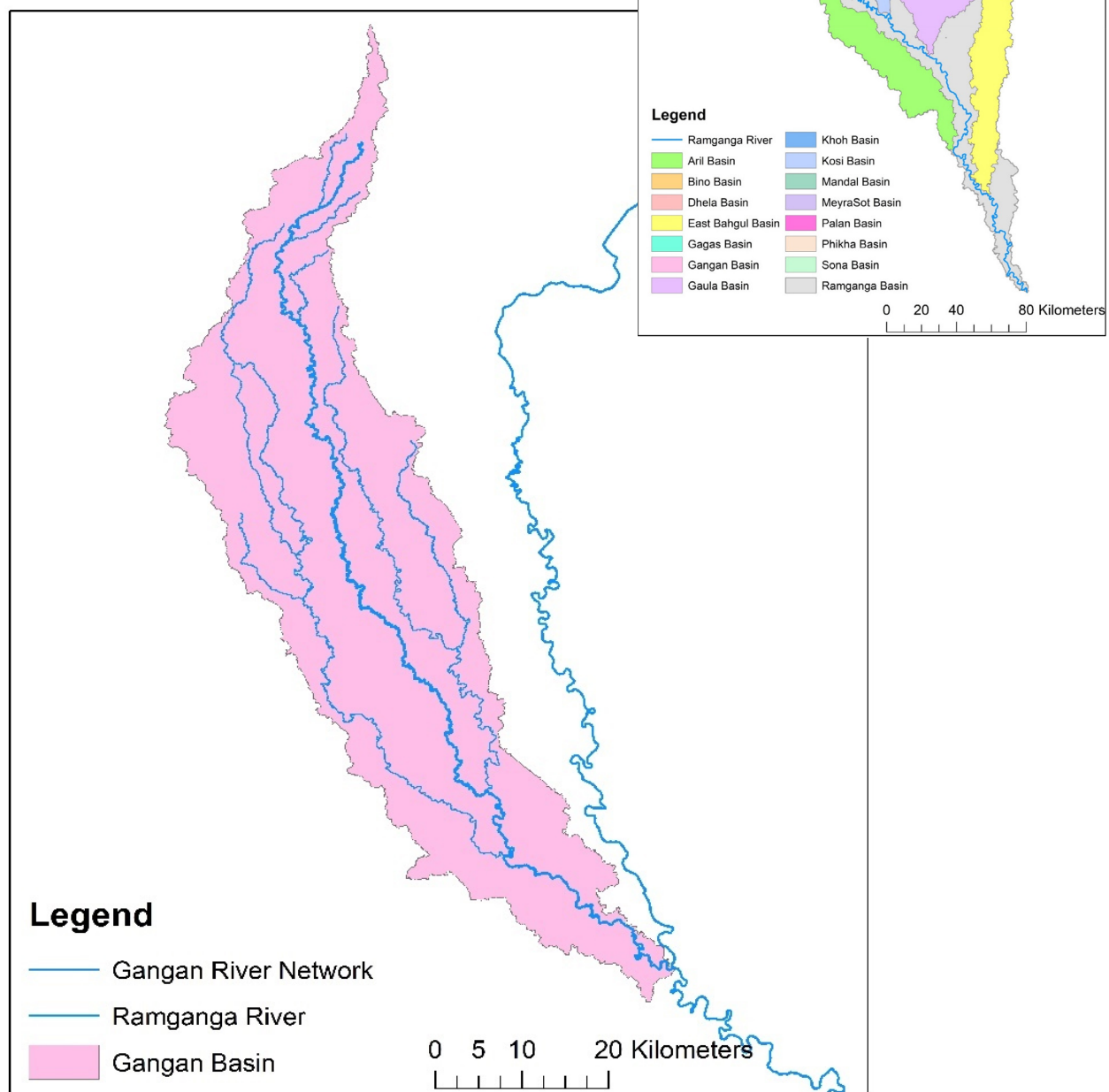


Figure: Gangan River Network

GANGAN RIVER MAINSTEM FLOW DIAGRAM

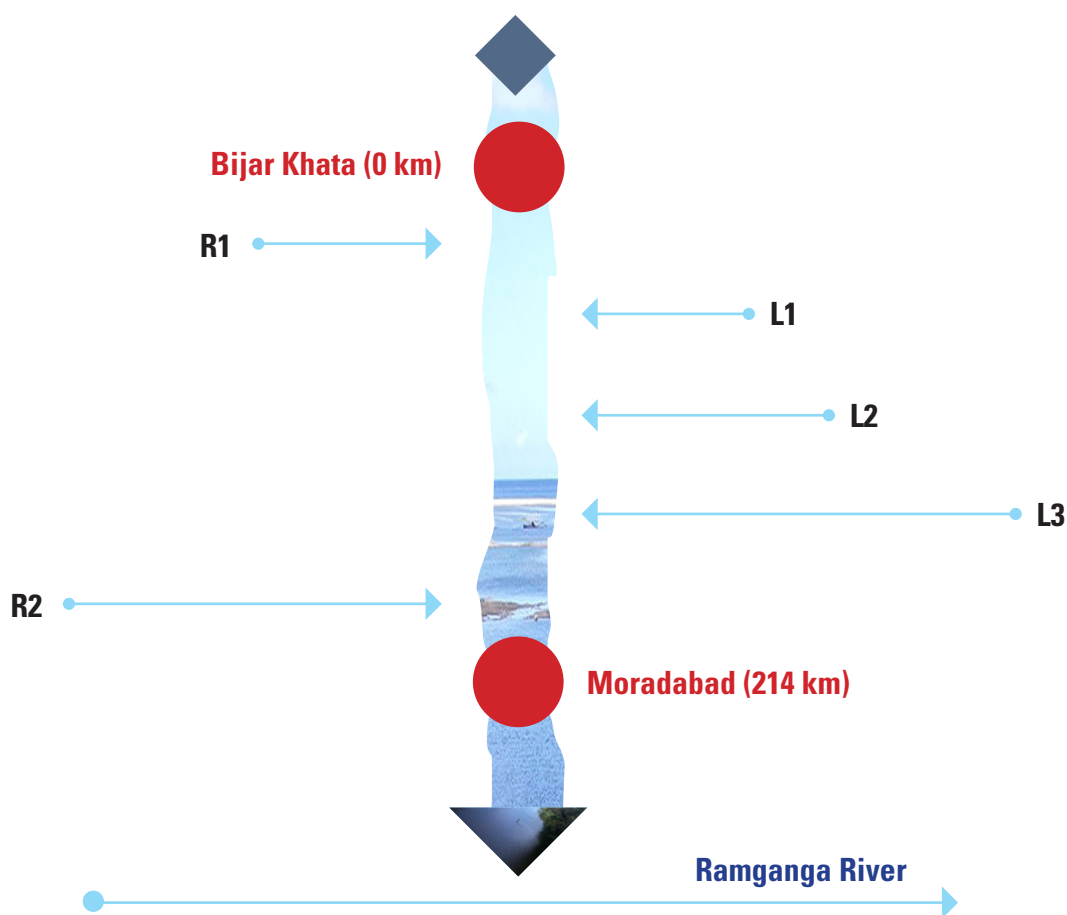


Figure: Flow Diagram of Gangan River

GANGAN RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Katheni Nala	R1	15.4	29.57	78.40	15
2	Pelkhala River	L1	17.2	29.54	78.36	24
3	Karula Nala	L2	18.8	29.45	78.37	42.7
4	Karula River	L3	119	28.93	78.61	180
5	Ban River	R2	132	28.86	78.63	198

GAULA BASIN

Gaula River UID Code:
 Basin Area: 2078.25 Sq. Km.
 Number of rivers: 71
 River network: 1349.30 Km

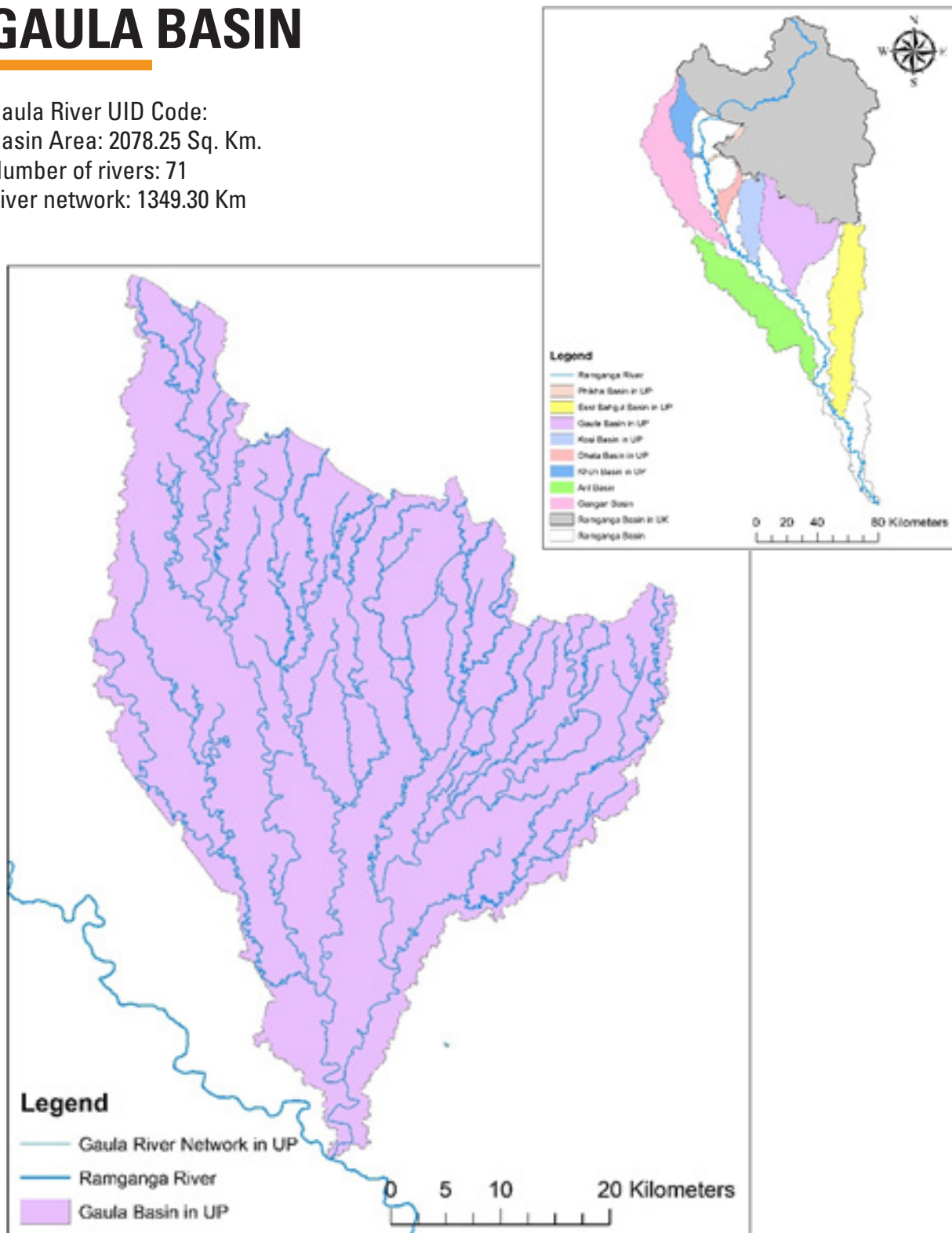
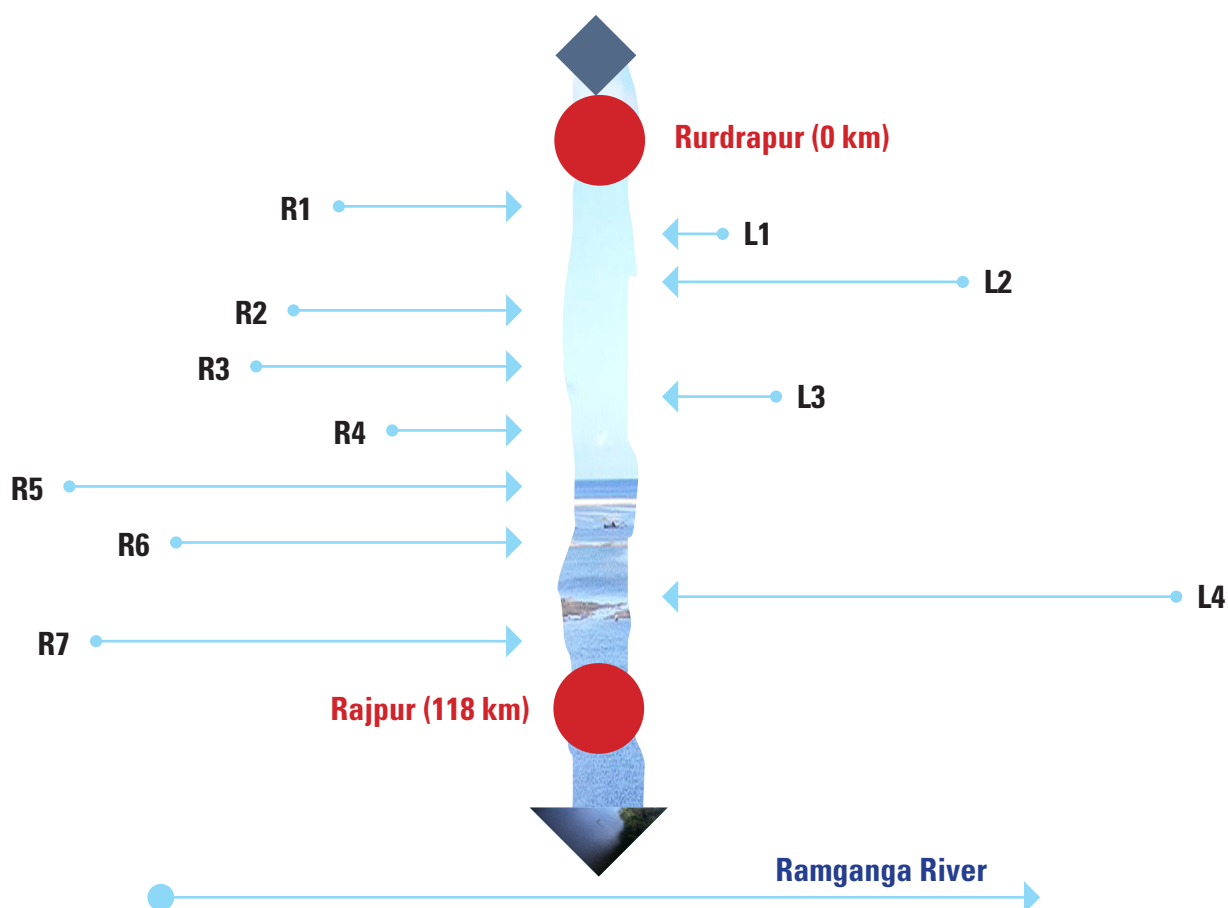


Figure: Gaula River Network

GAULA RIVER MAINSTEM FLOW DIAGRAM



GUALA BEHGUL MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Khaira Nadi	R1	26.7	28.92	79.38	14.9
2	Stream 1	L1	3.92	28.87	79.39	25.8
3	Barai Nadi	L2	53	28.83	79.38	39.5
4	Kahlaiya Nadi	R2	18.4	28.80	79.38	45.5
5	Baraur Nadi	R3	56.4	28.79	79.39	48
6	Bahral	L3	8.83	28.76	79.39	52.4
7	Bagaiya	R4	6.36	28.72	79.35	61.5
8	Kichha Nadi	R5	166	28.68	79.34	67.4
9	Kuli Nadi	R6	67.3	28.64	79.30	77
10	Dhora River	L4	124	28.58	79.32	88.3
11	Gaula River	R7	13.4	28.48	79.27	105

DHELA BASIN

Dhela River UID Code:
Basin Area: 258.43 Sq. Km.
Number of rivers: 06
River network: 130.71 Km

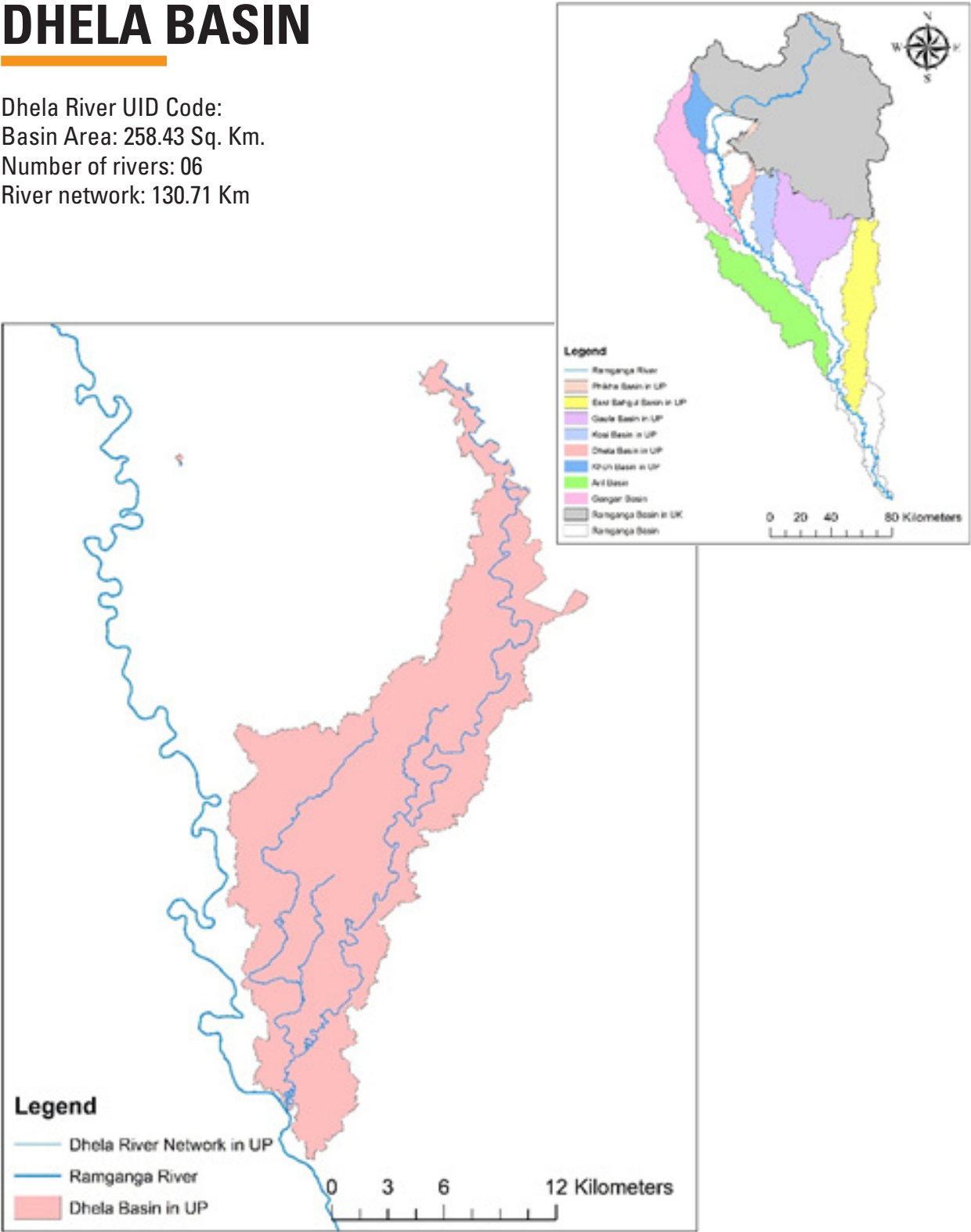
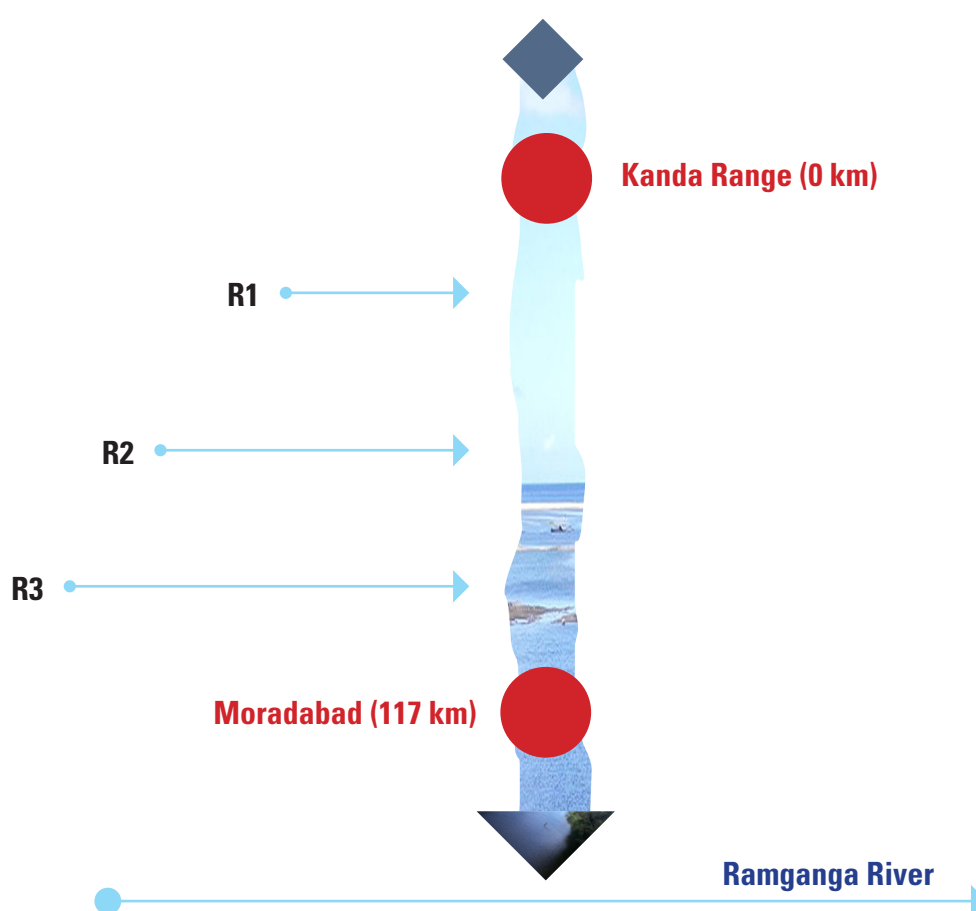


Figure: Dhela river network

DHELA RIVER MAINSTEM FLOW DIAGRAM



DHELA MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Dhandhi Nadi	R1	36.1	29.18	78.90	45.6
2	Kachhia Nala	R2	10.19	29.02	78.84	81.8
3	Damdama	R3	33.34	28.90	78.78	109

KHOH BASIN

Khoh River UID Code:
Basin Area: 556.98 Sq. Km.
Number of rivers: 22
River network: 291.72 Km

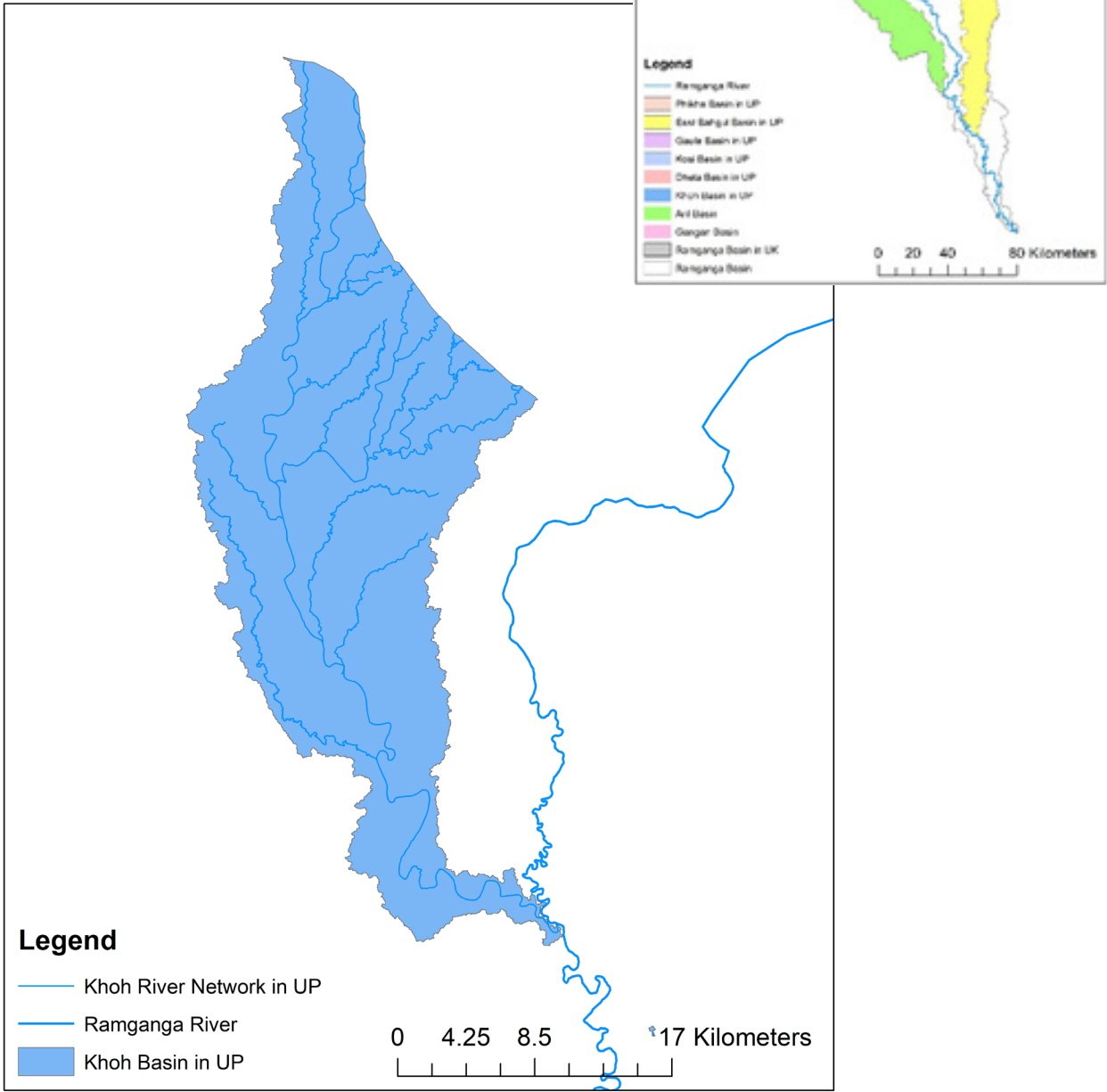
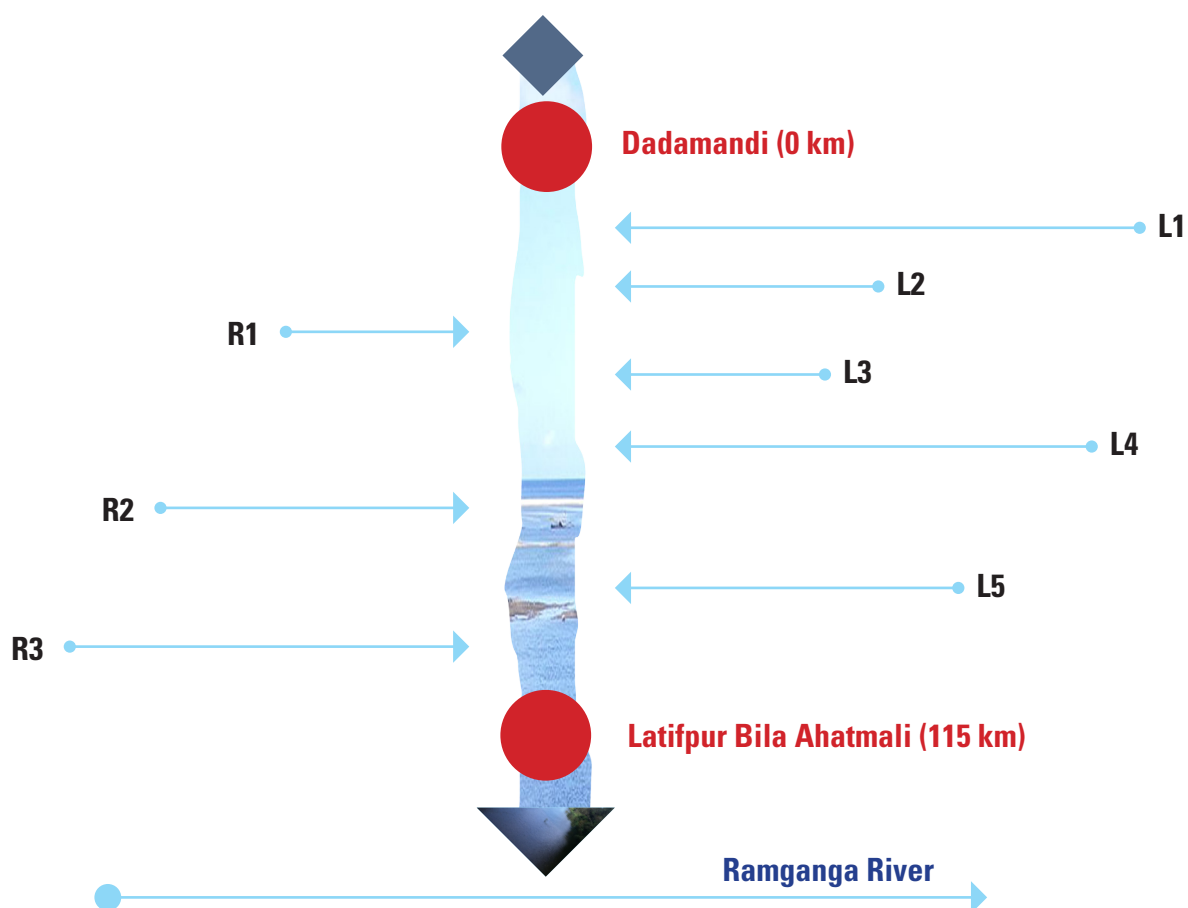


Figure: Khoh river network

KHOH RIVER MAINSTEM FLOW DIAGRAM



KHOH RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Sabeh Nadi	L1	33.2	29.69	78.52	32.4
2	Sarkara Sot	L2	13.2	29.60	78.50	44.5
3	Sukh Rao	R1	34	29.59	78.48	46.9
4	Khala Nala	L3	10	29.55	78.48	53.4
5	Uni River	L4	30.9	29.50	78.47	61.4
6	Stream 18	R2	10.4	29.48	78.47	63.6
7	Lalbra Sot	L5	21	29.41	78.50	72.5
8	Padhoi Nadi	R3	34.1	29.34	78.53	85.5

KOSI BASIN

Kosi River UID Code:
Basin Area: 741.04 Sq. Km.
Number of rivers: 14
River network: 333.9 Km

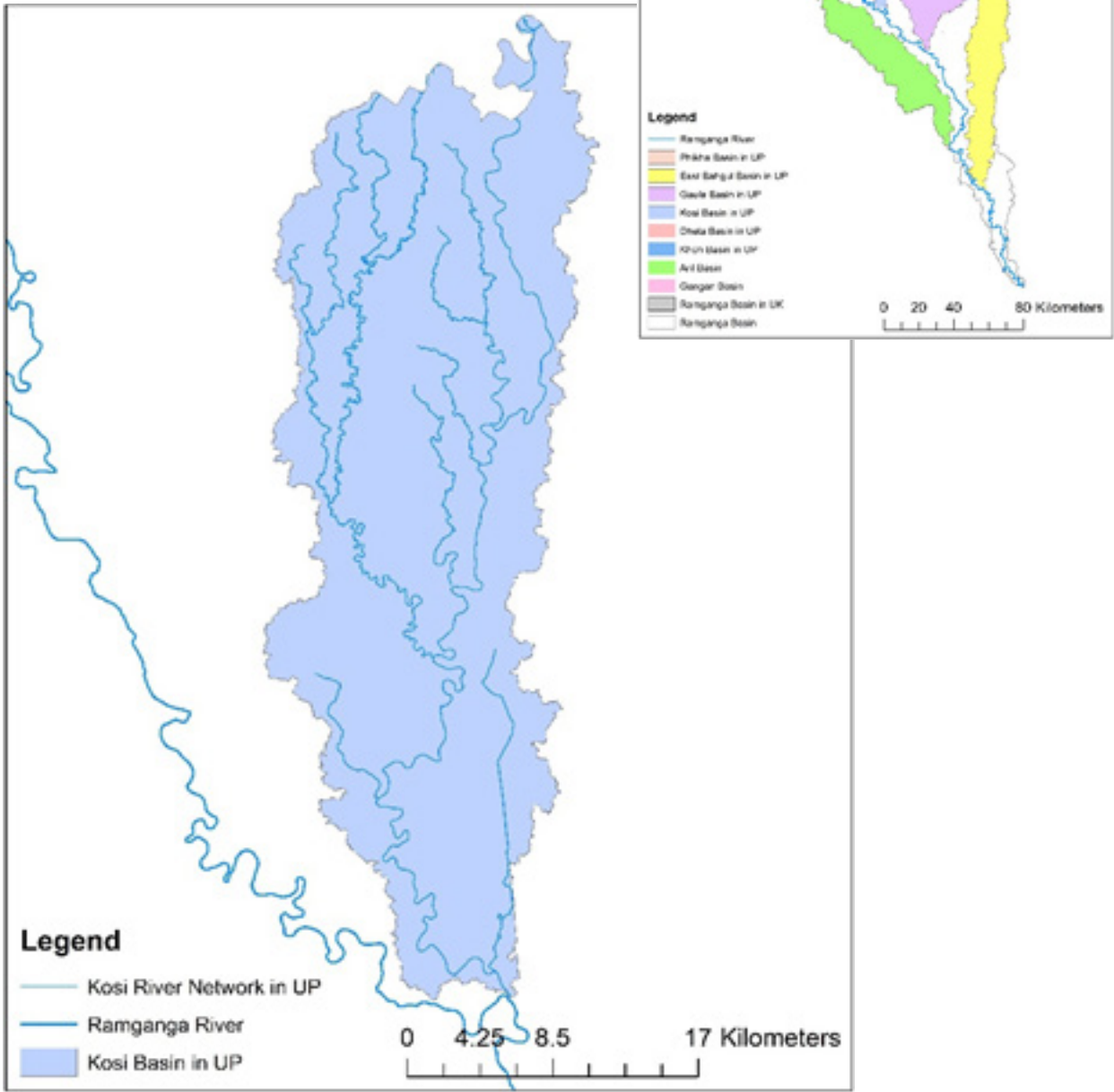
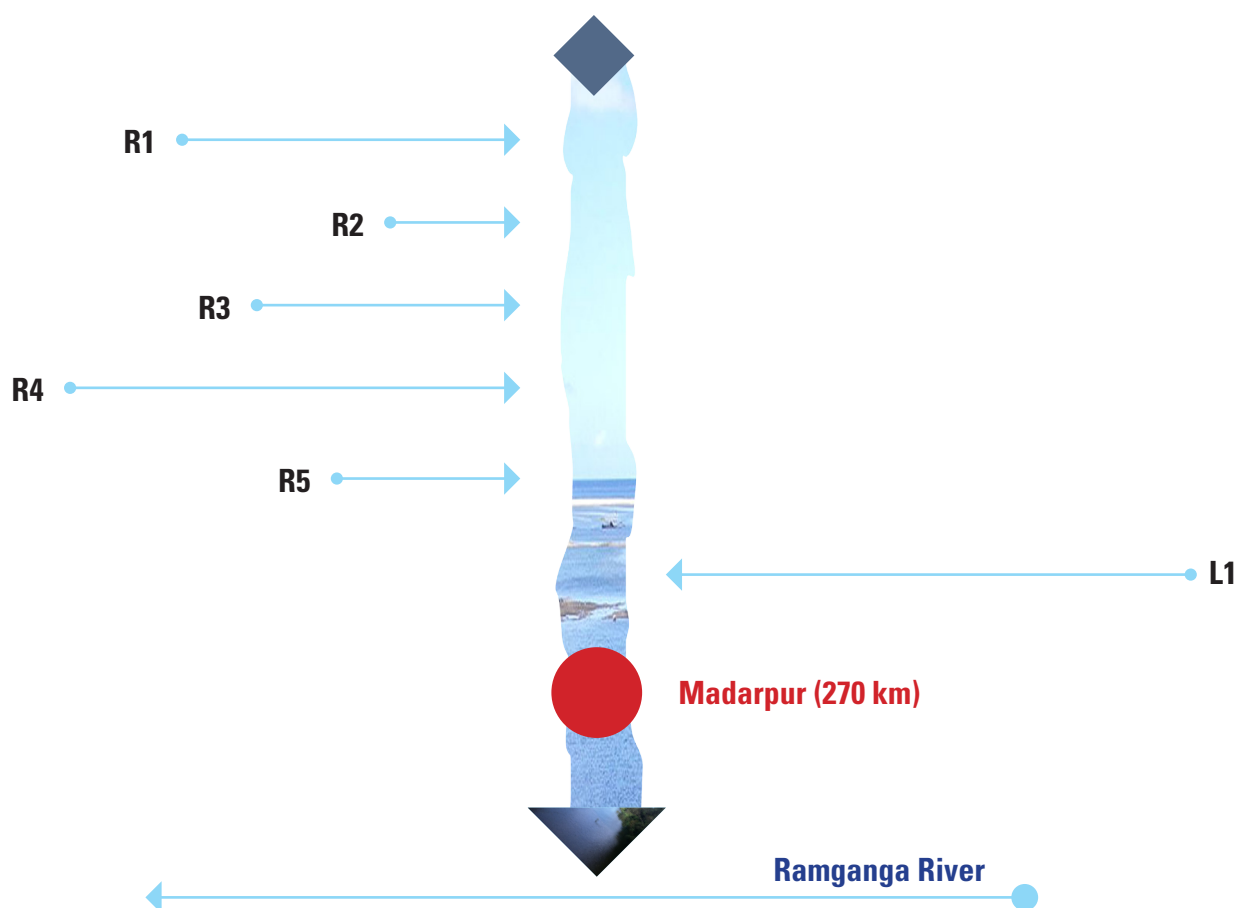


Figure: Kosi river network

KOSI RIVER MAINSTEM FLOW DIAGRAM



KOSI MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Bihar or Parkiya Nadi	R26	27.2	28.95	79.01	205
2	Narai Nala	R27	12.8	28.92	79.01	209
3	Kachha Nala	R28	19.8	28.86	78.99	219
4	Saryu River/ Bahalla Nadi	R29	98.6	28.82	78.98	277
5	Harya Nala	R30	11.2	28.74	78.95	244
6	Pila, Terha Nala	L23	23.5	28.65	79.02	268

EAST BAHGUL BASIN

East Bahgul River UID Code:

Basin Area: 1979.73 Sq. Km.

Number of rivers: 23

River network: 801.86 Km

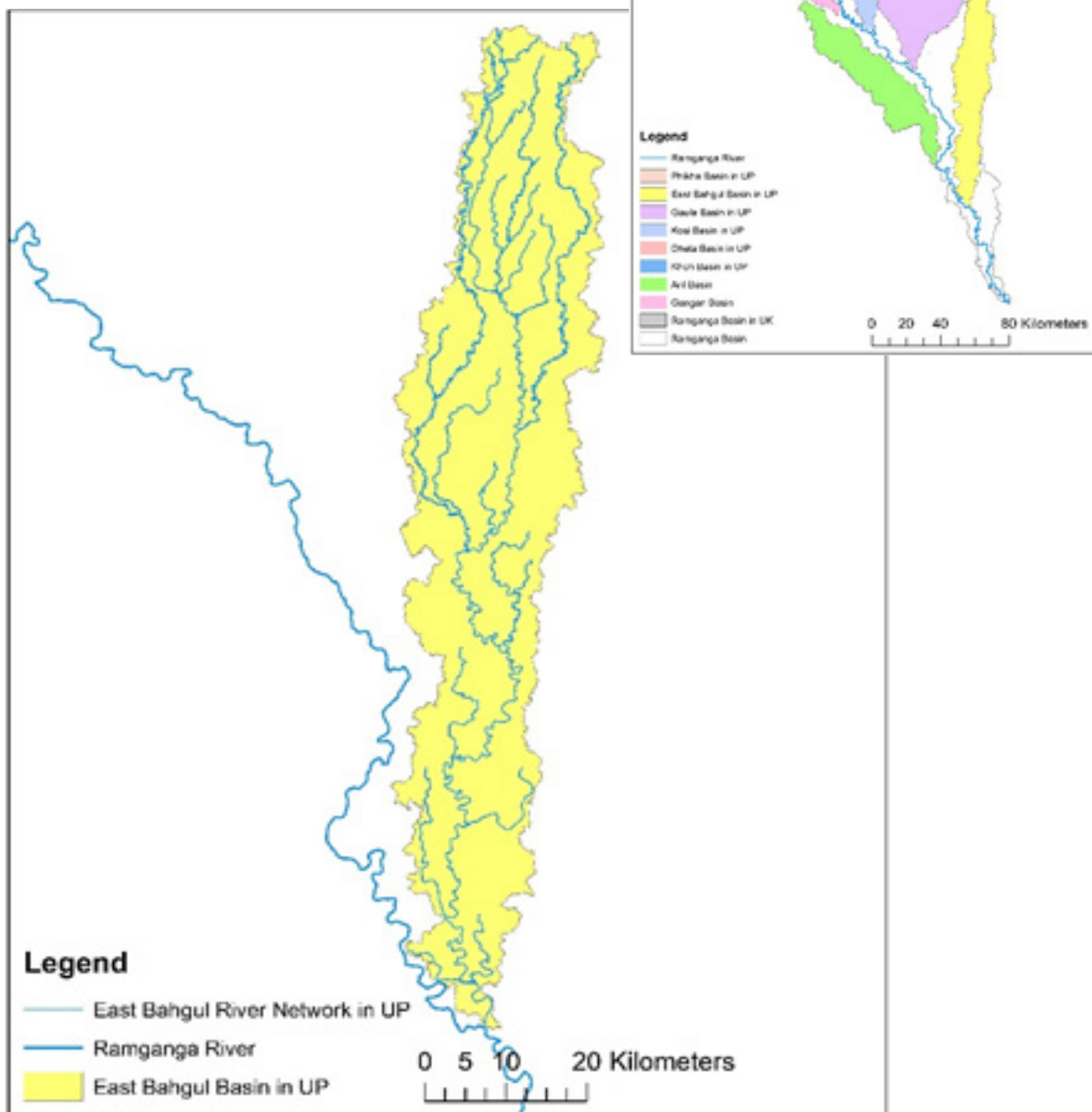
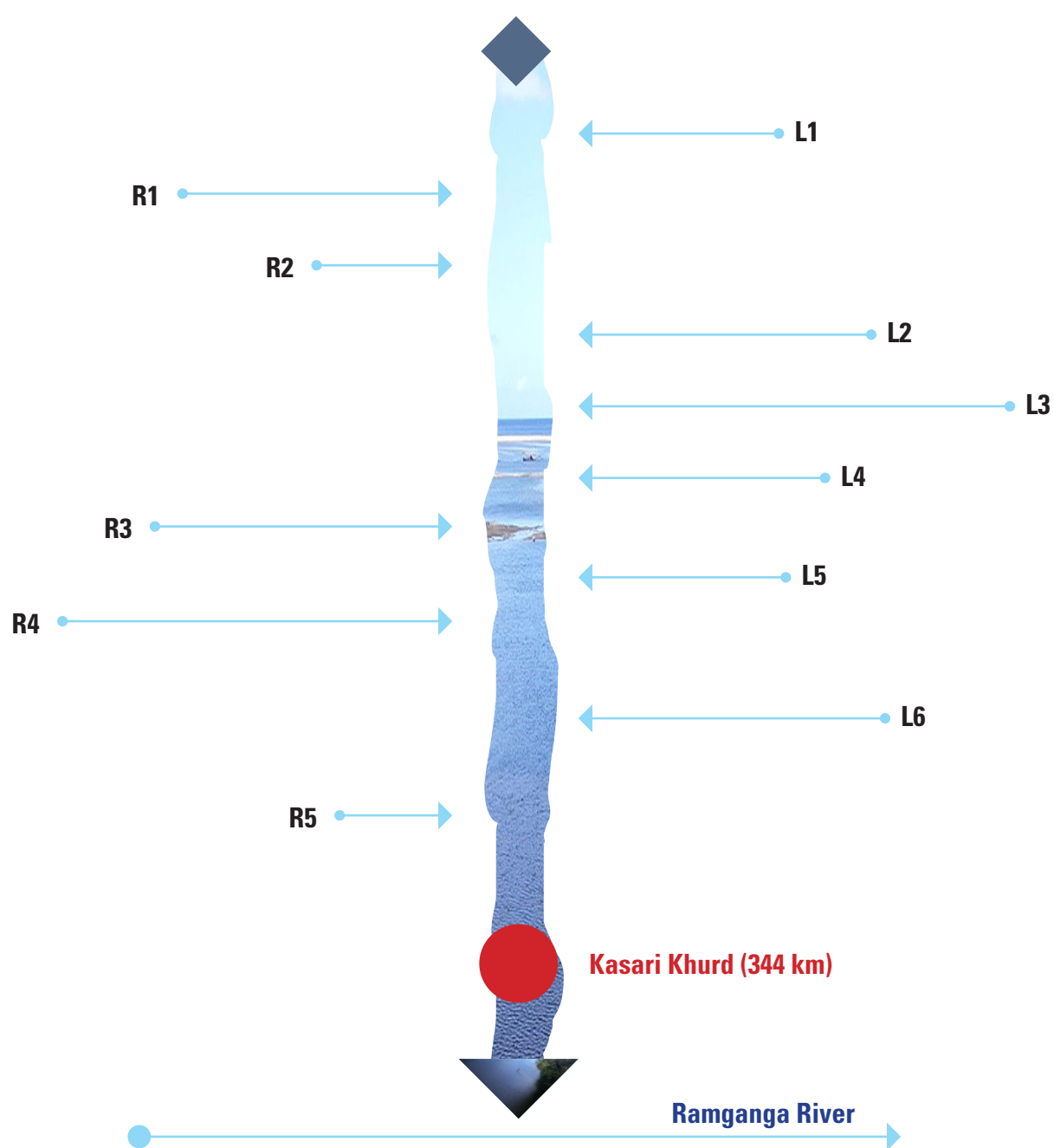


Figure: East Bahgul river network

EAST BAHGUL RIVER MAINSTEM FLOW DIAGRAM



EAST BAHGUL MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 9	L8	13.1	28.83	79.64	72.6
2	Stream 8	R4	15.3	28.78	79.61	83.3
3	Kundu Nala	R5	14.9	28.43	79.55	169
4	Kandu Nala	L9	32.1	28.30	79.58	202
5	Kailas Nadi	L10	111	28.25	79.59	212
6	Gauneya Nala	L11	24.5	28.13	79.64	243
7	Reoti Nala	R6	23.3	28.01	79.57	276
8	Dunda Nala	L12	18.1	27.93	79.59	296
9	Andhoi Nadi	R7	27.3	27.82	79.56	315
10	Jaunra Drain	L13	31.2	27.75	79.60	334
11	Baigul	R8	12.1	27.74	79.60	335

PHIKHA BASIN

Phikha River UID Code:
 Basin Area: 63.49 Sq. Km.
 Number of rivers: 03
 River network: 44.11 Km

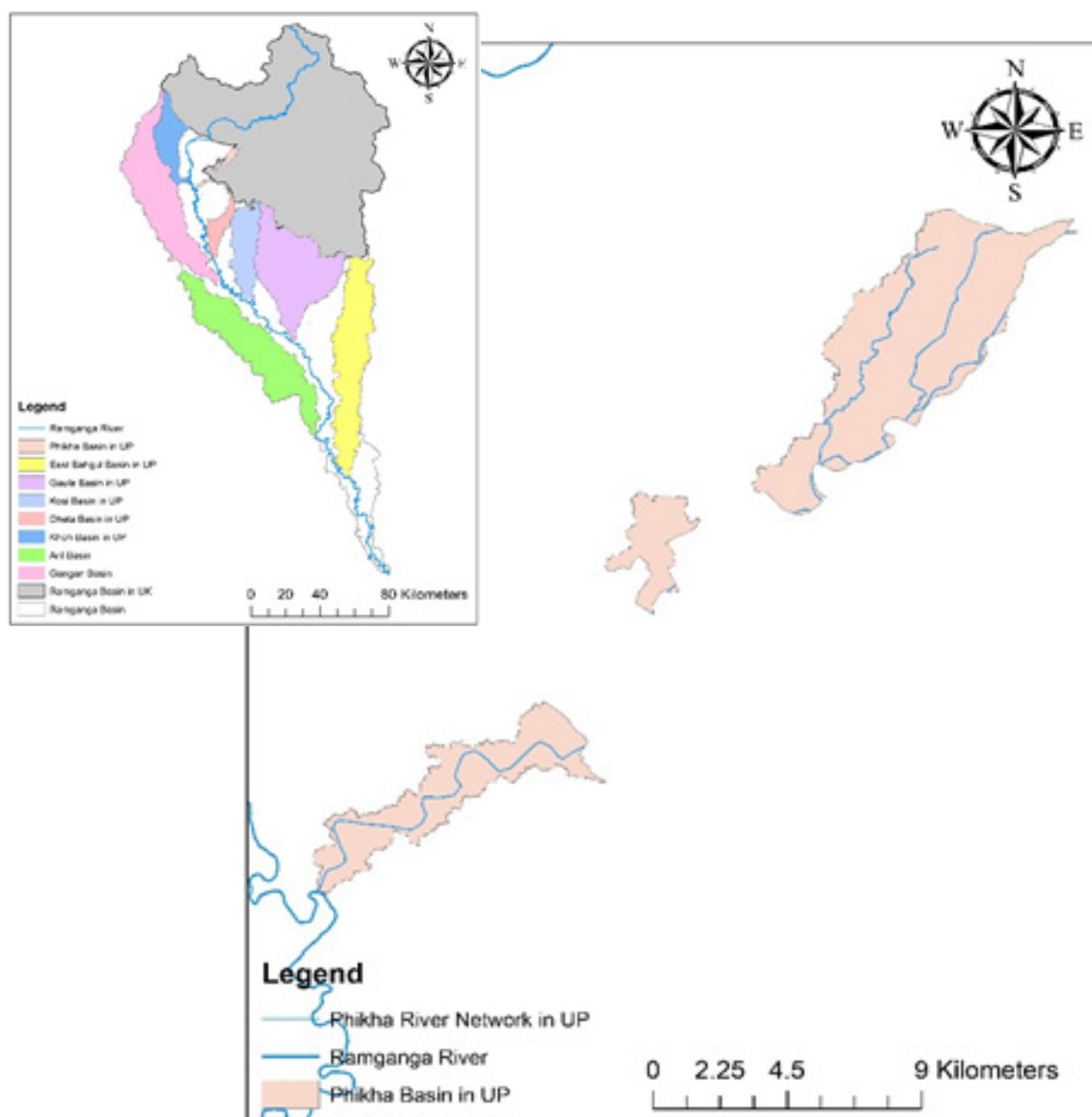
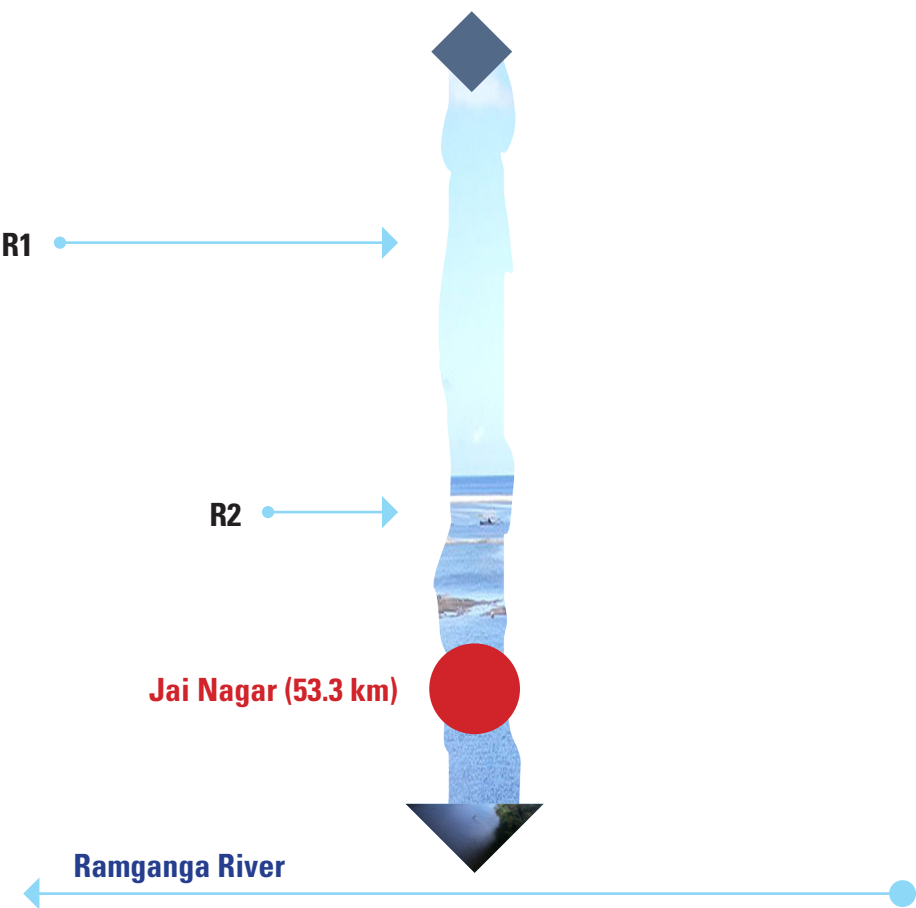


Figure: Phikha river network

PHIKHA RIVER MAINSTEM FLOW DIAGRAM



PIKHA MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Koti Rao	R1	27	29.38	78.89	14.8
2	khaliya Nala	R2	12	29.36	78.85	19.5

KALI EAST BASIN AND ITS RIVER NETWORK

Kali East River UID Code:

Basin Area: 11699 Sq. Km.

Major Rivers: Nim, Chhoeya, Qadirabad Drain

Number of rivers- 142

River network- 2280.57 Km

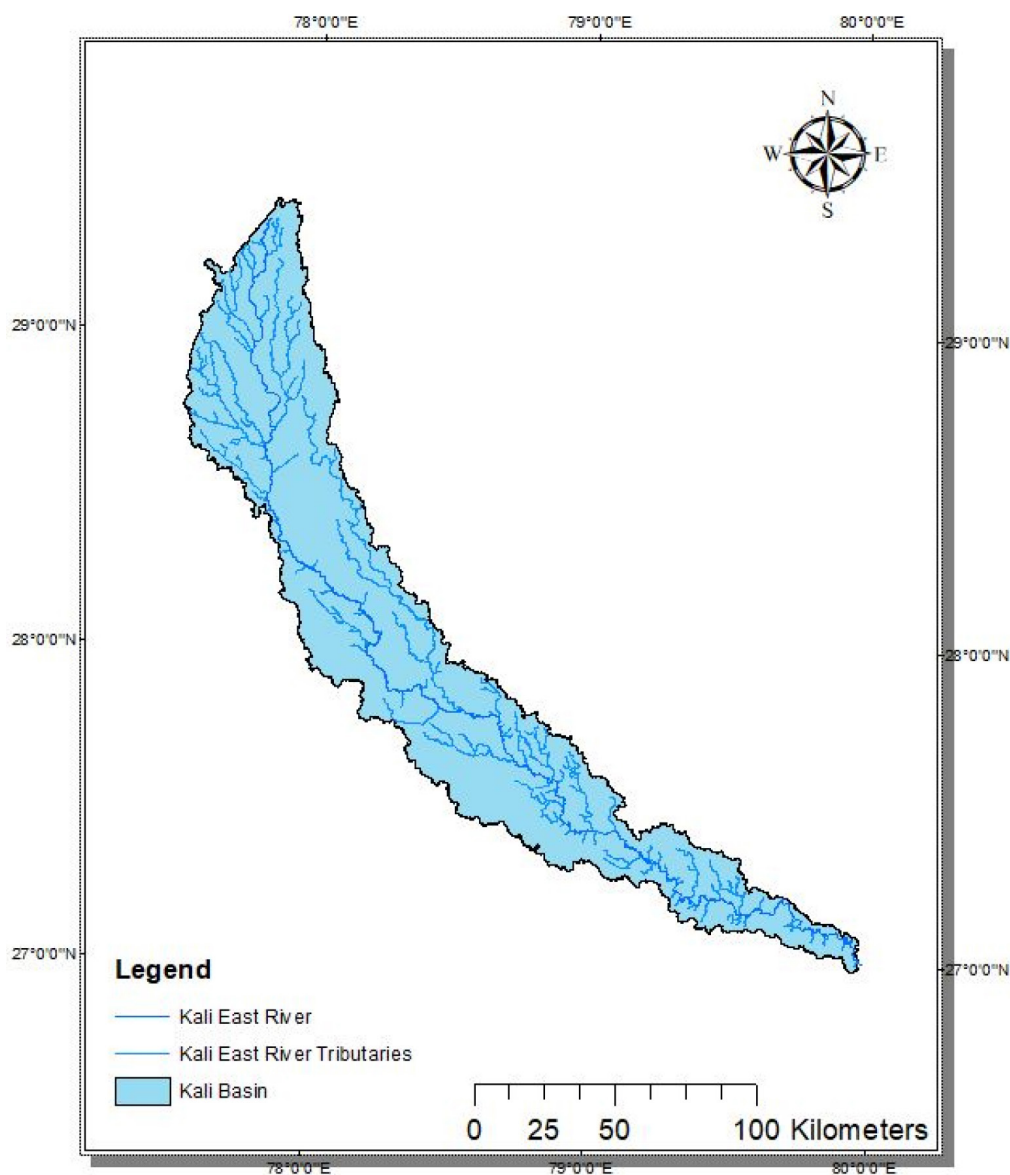
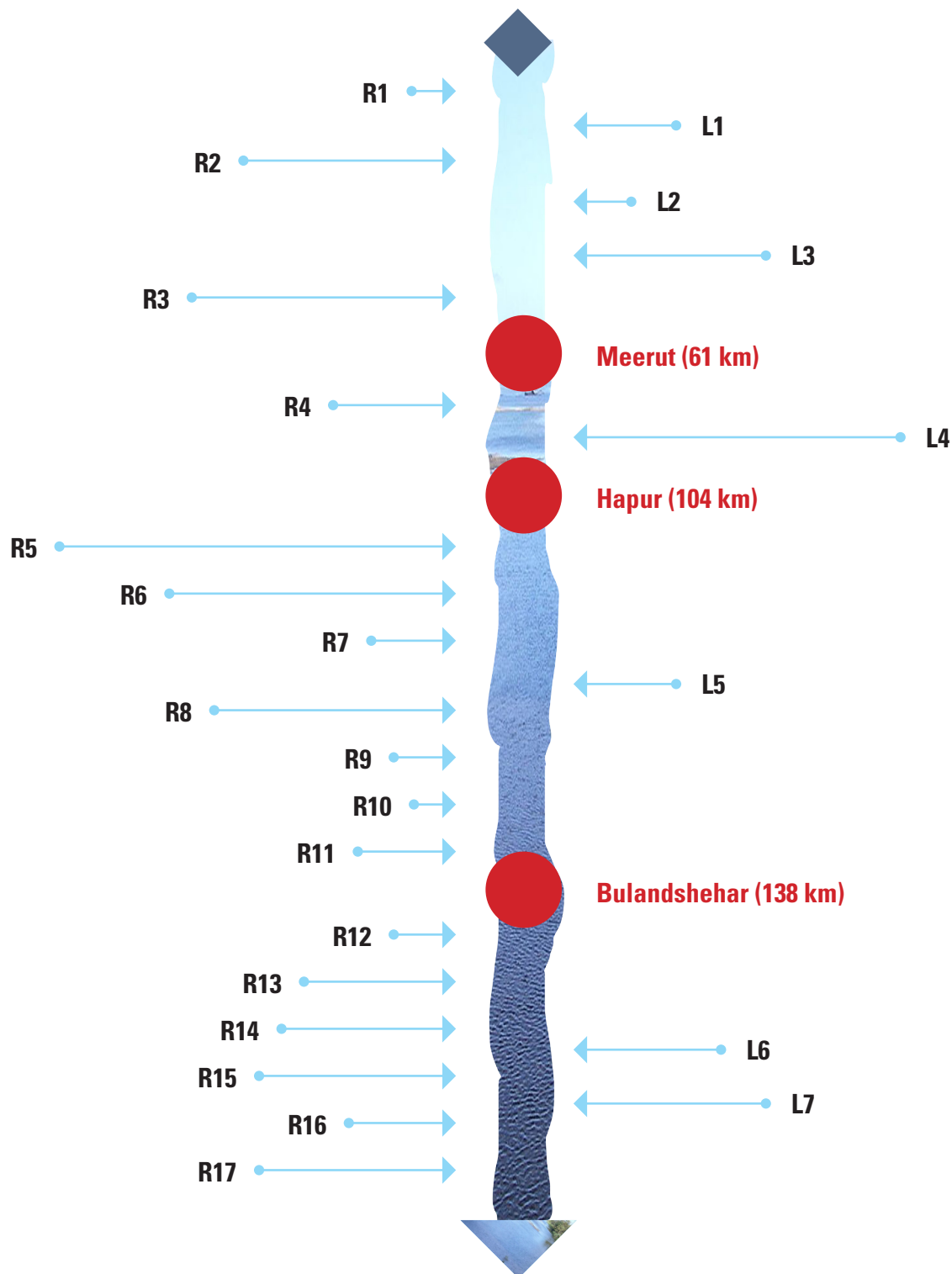
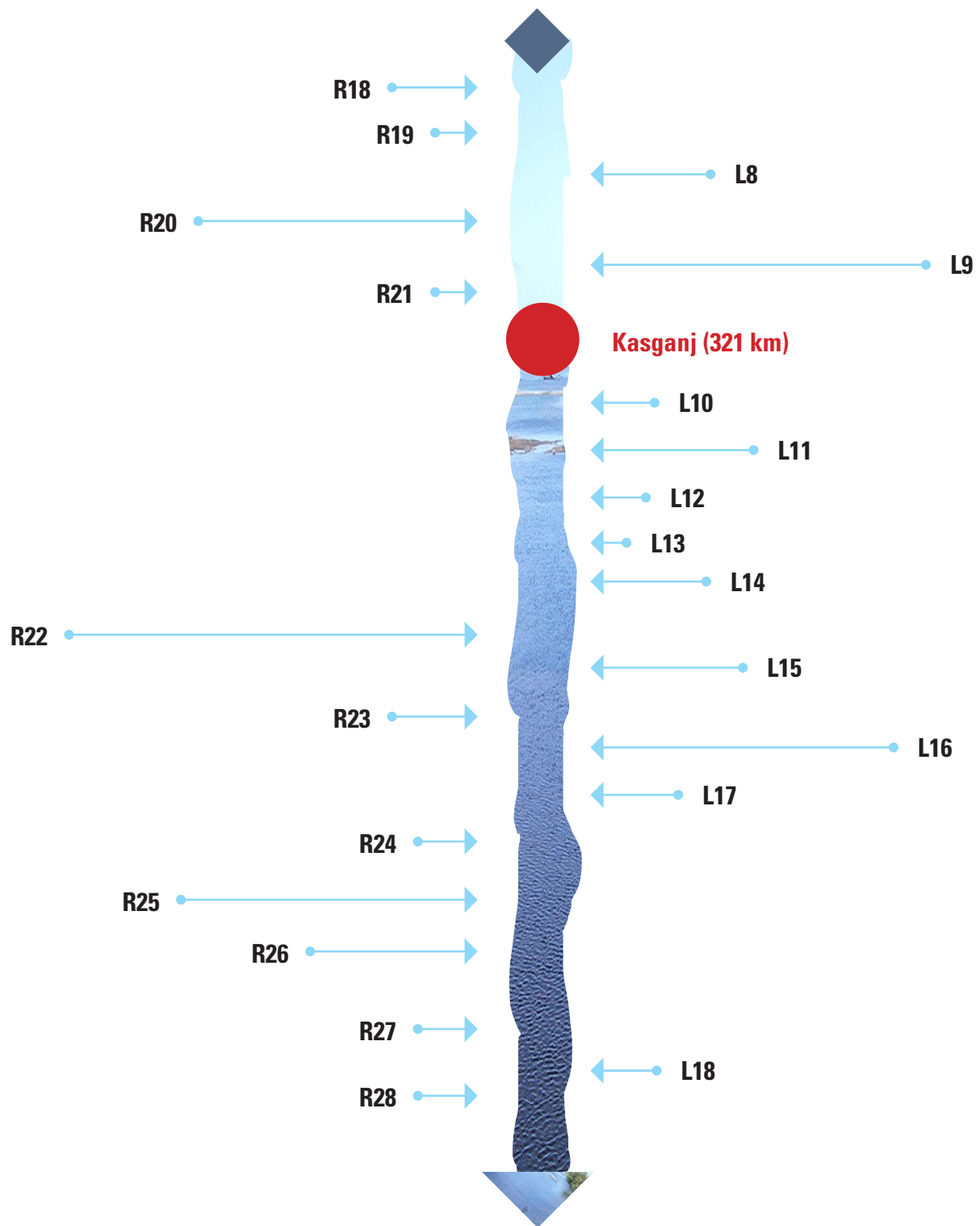


Figure: Kali East river network.

KALI EAST RIVER MAINSTEM FLOW DIAGRAM





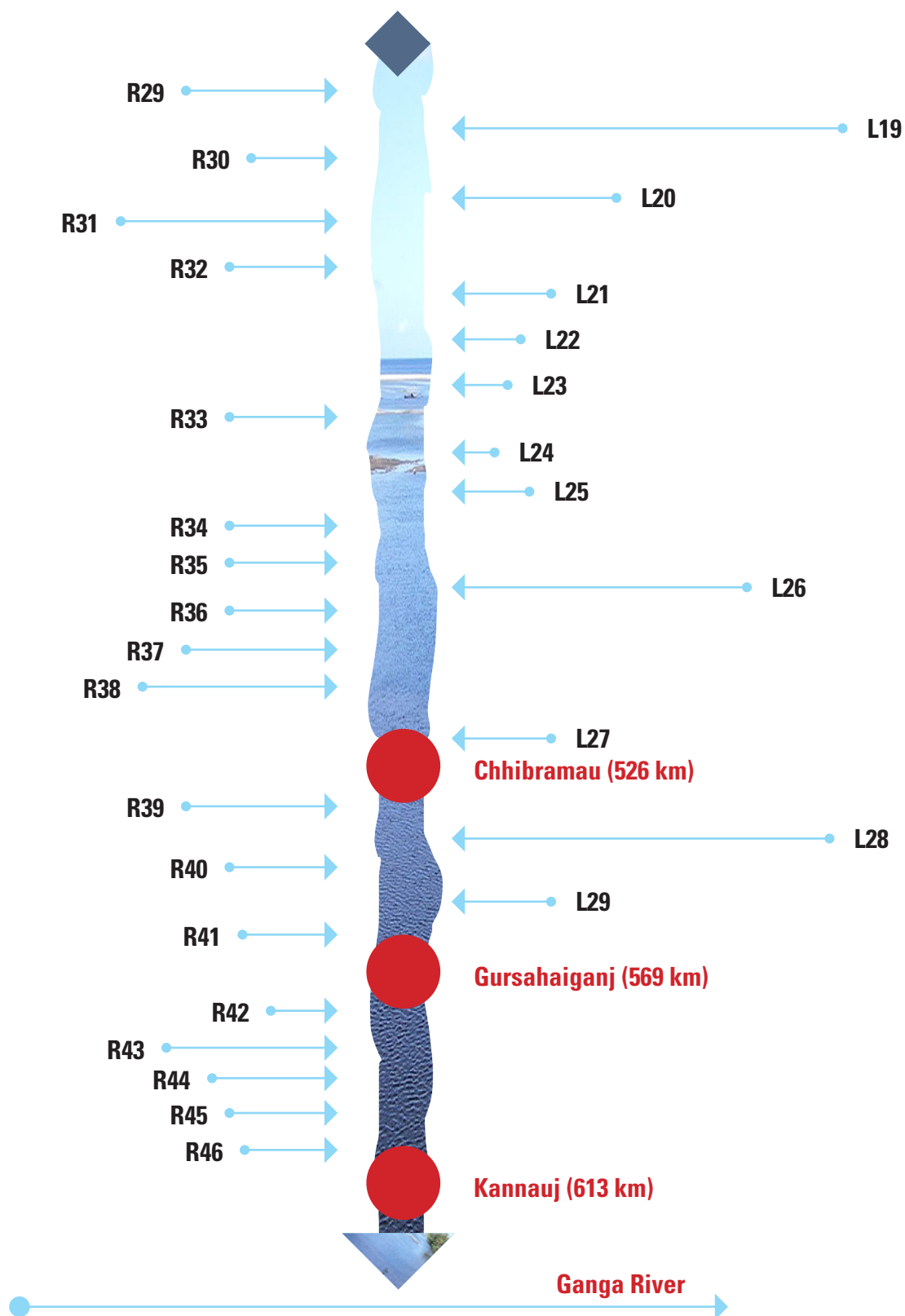


Figure: Flow Diagram of the Kali East River

KALI EAST RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Ladpur Drain	R1	3.92	29.28	77.79	11
2	Jansath Nala	L1	14.9	29.25	77.8	16
3	Khatauli Nala	R2	16	29.16	77.75	29
4	Chhoiya Nala	L2	11.6	29.04	77.78	45
5	Abu Nala	L3	38.5	28.96	77.77	56
6	Abu Ka Naala	R3	31.3	28.93	77.76	60
7	Meerut Nala	R4	8.38	28.93	77.76	61
8	Chhoiya Nala	L4	73	28.7	77.85	98
9	Kharauli Nala Chhoiya Nala	R5	59.6	28.64	77.81	108
10	Hawa Nala Qadirabad Nala Badirabad Nala	R6	55.5	28.63	77.81	109
11	Gulaothi Nala	R7	2.38	28.6	77.82	113
12	Steam 35	L5	11.9	28.55	77.84	117
13	Barai Nala	R8	36.7	28.48	77.83	129
14	Zainpur Nala	R9	6.88	28.47	77.82	131
15	Stream 34	R10	0.95	28.46	77.82	131
16	Stream 33	R11	2.32	28.43	77.84	135
17	Stream 32	R12	1.77	28.39	77.86	141
18	Bhatola Nala	R13	4.1	28.3	77.91	156
19	Deorala Nala	R14	5	28.26	77.97	170
20	Stream 31	L6	4.45	28.25	77.99	173
21	Stream 30	R15	4.92	28.18	78.07	188
22	Stream 29	L7	5.22	28.14	78.17	206
23	Stream 28	R16	3.51	28.11	78.18	212
24	Palra Drainage	R17	20.7	28.01	78.2	240
25	Stream 27	R18	7.18	27.99	78.2	243

KALI EAST RIVER MAINSTEM NETWORK

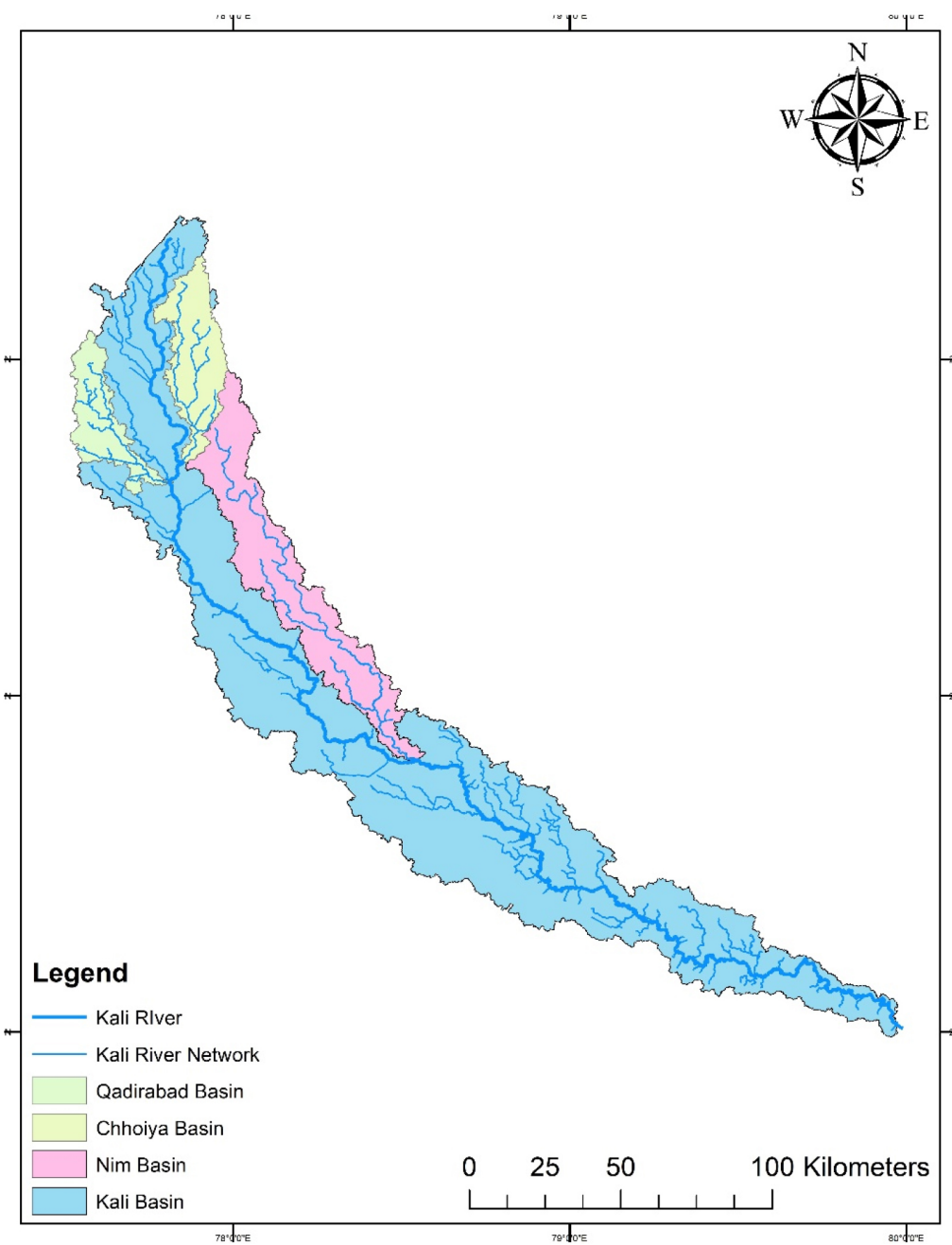
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
26	Kareaila Drain	R19	7.1	27.86	78.33	271
27	Chhoiya Nala	L8	6.18	27.87	78.4	282
28	Arabamada Nala	R20	30.3	27.81	78.46	294
29	Nim River	L9	195	27.81	78.54	304
30	Stream 26	R21	1.1	27.79	78.63	318
31	Stream 25	L10	1.78	27.79	78.65	321
32	Jhabar Drainage Cut	L11	18.6	27.78	78.68	324
33	Wazirpur Nala	L12	2.35	27.76	78.68	329
34	Stream 24	L13	0.49	27.74	78.69	331
35	Stream 23	L14	4.5	27.72	78.69	334
36	Karon Nala	R22	46.1	27.65	78.73	347
37	Sevka Nala	L15	13.2	27.63	78.78	356
38	Kartala Drain	R23	5.98	27.58	78.86	371
39	Sidhpura Nala	L16	31	27.59	78.87	374
40	Bhaupura Drain	L17	7.45	27.58	78.89	376
41	Milak Banehra Nala	R24	3.85	27.56	78.88	380
42	Baghwala Nala	R25	31.4	27.51	78.91	390
43	Malawan Nala	R26	10.8	27.47	78.9	396
44	Stream 22	R27	1.95	27.45	78.92	398
45	Stream 21	L18	1.1	27.45	78.94	401
46	Ganga Jamni Nala	R28	3.76	27.43	78.94	405
47	Sirsa Drain	R29	5.65	27.43	79	414
48	Mohanpur Drain	L19	42.7	27.43	79.02	416
49	junesi Escape	R30	6.86	27.43	79.04	418
50	Stream 20	L20	16.7	27.43	79.1	425

KALI EAST RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
51	Khara Or Naka Drain 2	R31	11.2	27.35	79.2	449
52	Rajwana Drain	R32	5.75	27.33	79.24	456
53	Khara Nala	L21	9.37	27.33	79.25	458
54	Stream 19	L22	5.14	27.33	79.26	459
55	Stream 18	L23	3.1	27.3	79.28	466
56	Stream 17	R33	2.11	27.27	79.31	472
57	Stream 16	L24	2.48	27.28	79.32	475
58	Stream 15	L25	3.2	27.27	79.32	476
59	Stream 14	R34	3.69	27.24	79.32	481
60	Stream 13	R35	3.58	27.21	79.34	485
60	Kharwa Nala	L26	32	27.22	79.37	491
62	Stream 12	R36	3.1	27.2	79.39	496
63	Janaura Supplementary Cut	R37	4.49	27.21	79.41	499
64	Udhannapur Drain	R38	10	27.21	79.44	508
65	Stream 11	L27	8.39	27.22	79.48	515
66	Stream 10	R39	12	27.17	79.55	526
67	Stream 9	L28	35.9	27.17	79.55	526.8
68	Stream 8	R40	6.54	27.16	79.58	529.8
69	Stream 7	L29	6.24	27.19	79.62	537.5
70	Stream 6	R41	5.47	27.15	79.74	563.4
71	Stream 5	R42	4.96	27.13	79.76	569.6
72	Stream 4	R43	7.78	27.12	79.81	577.1
73	Stream 3	R44	5.77	27.1	79.86	588.2
74	Stream 2	R45	4	27.08	79.93	600.9
75	Stream 1	R46	3.38	27.02	79.97	613.79

KALI EAST: MAJOR SUB-BASINS

Major sub-basins of Kali East River are as follows:

- Nim Basin
- Chhoiya Basin
- Qadirabad Drain



NIM BASIN

Nim River UID Code:
 Basin Area: 1776 Sq. Km.
 Number of rivers- 09
 River network- 294.15 Km

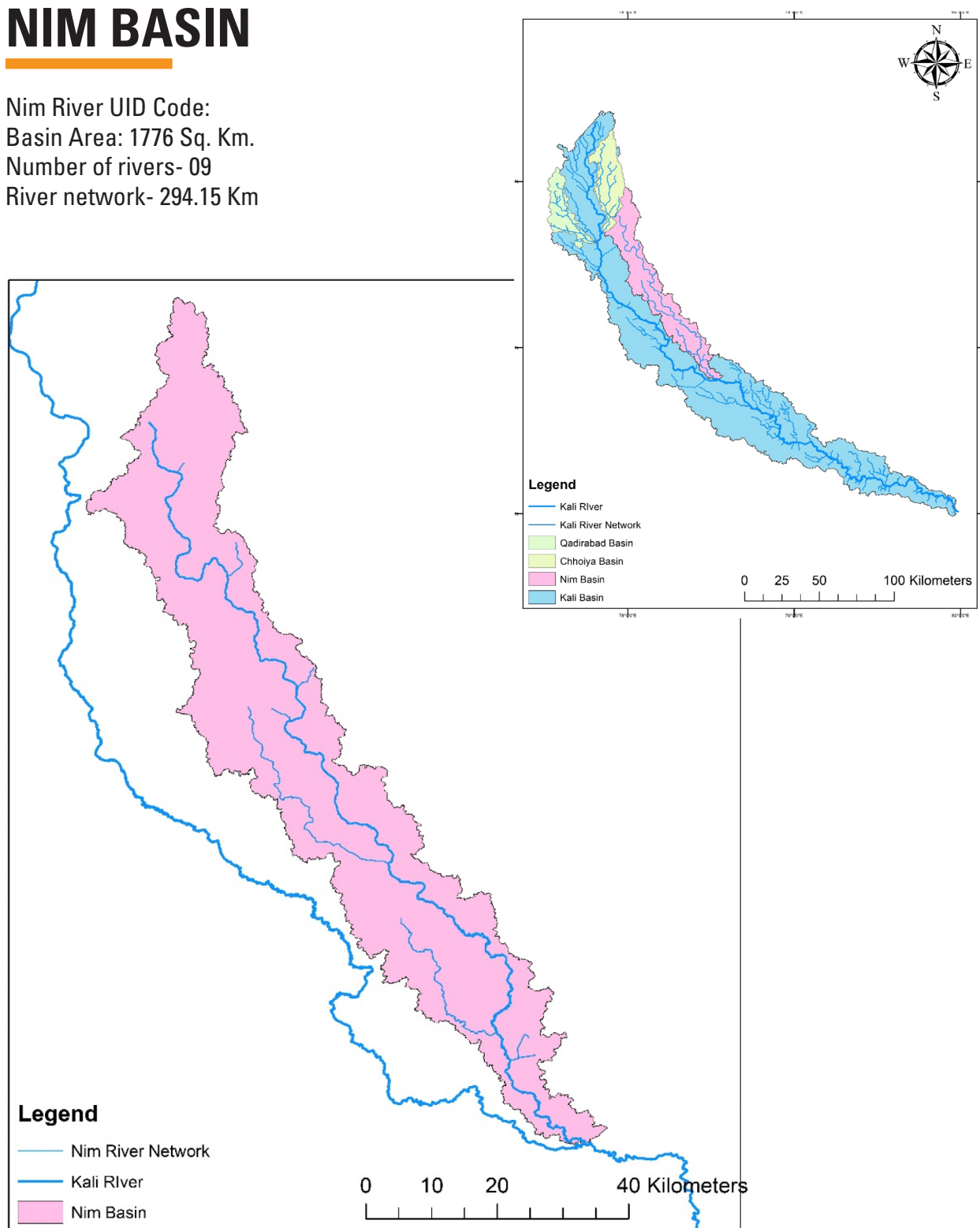


Figure: Nim River Network

NIM RIVER MAINSTEM FLOW DIAGRAM

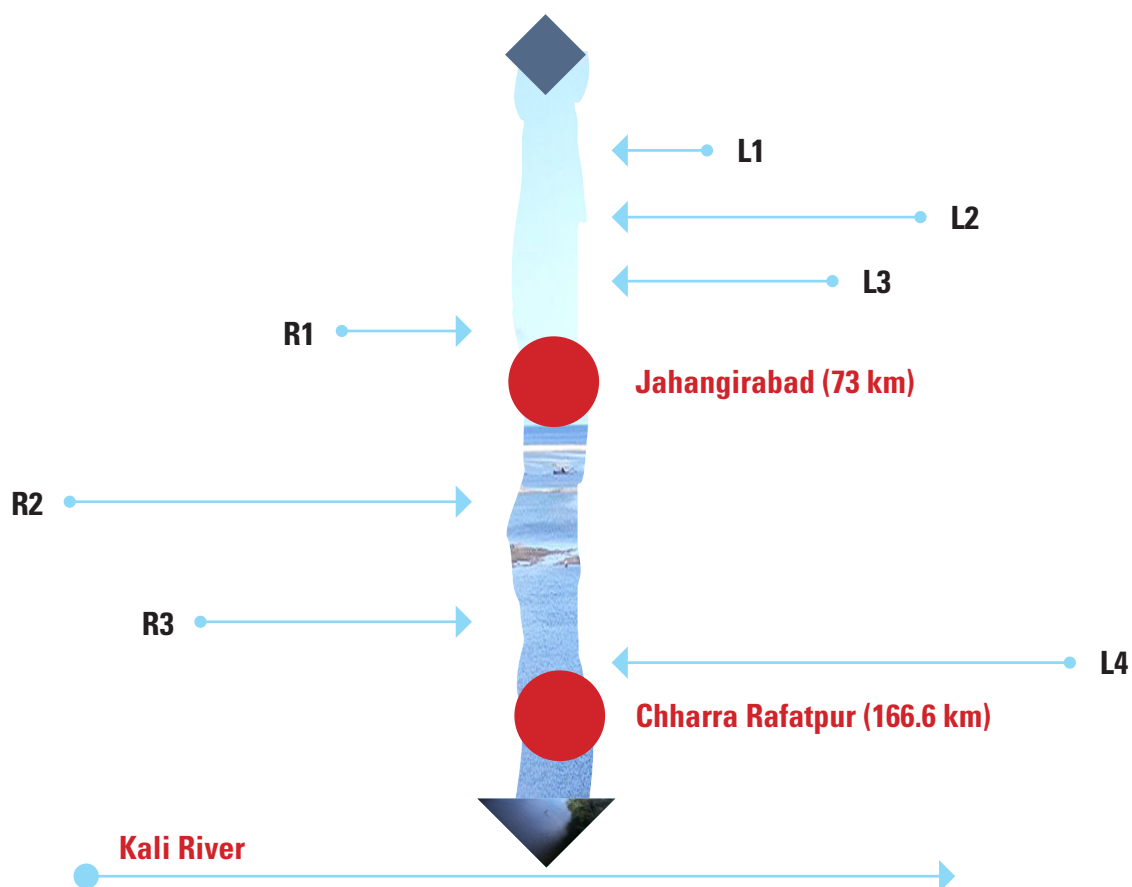


Figure: Flow Diagram of Nim River

NIM RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Ratanpura Drain	L1	1.78	28.73	77.98	10
2	Siyana Drain	L2	6.58	28.59	78.05	41
3	Stream 2	L3	5.23	28.42	78.15	67
4	Stream 1	R1	3.58	28.39	78.14	73
5	Chhoiya River	R2	41.5	28.19	78.27	105
6	Chhoiya	R3	32.1	27.96	78.42	160.5
7	Dadon Drain	L4	6	27.92	78.44	166.6
8	Khichripur Drain	R5	1.21	28.60	77.31	17.62

CHHOIYA BASIN

Chhoiya Drain UID Code:

Basin area: 761 Sq. Km.

Number of rivers- 07

River network- 168.7 Km

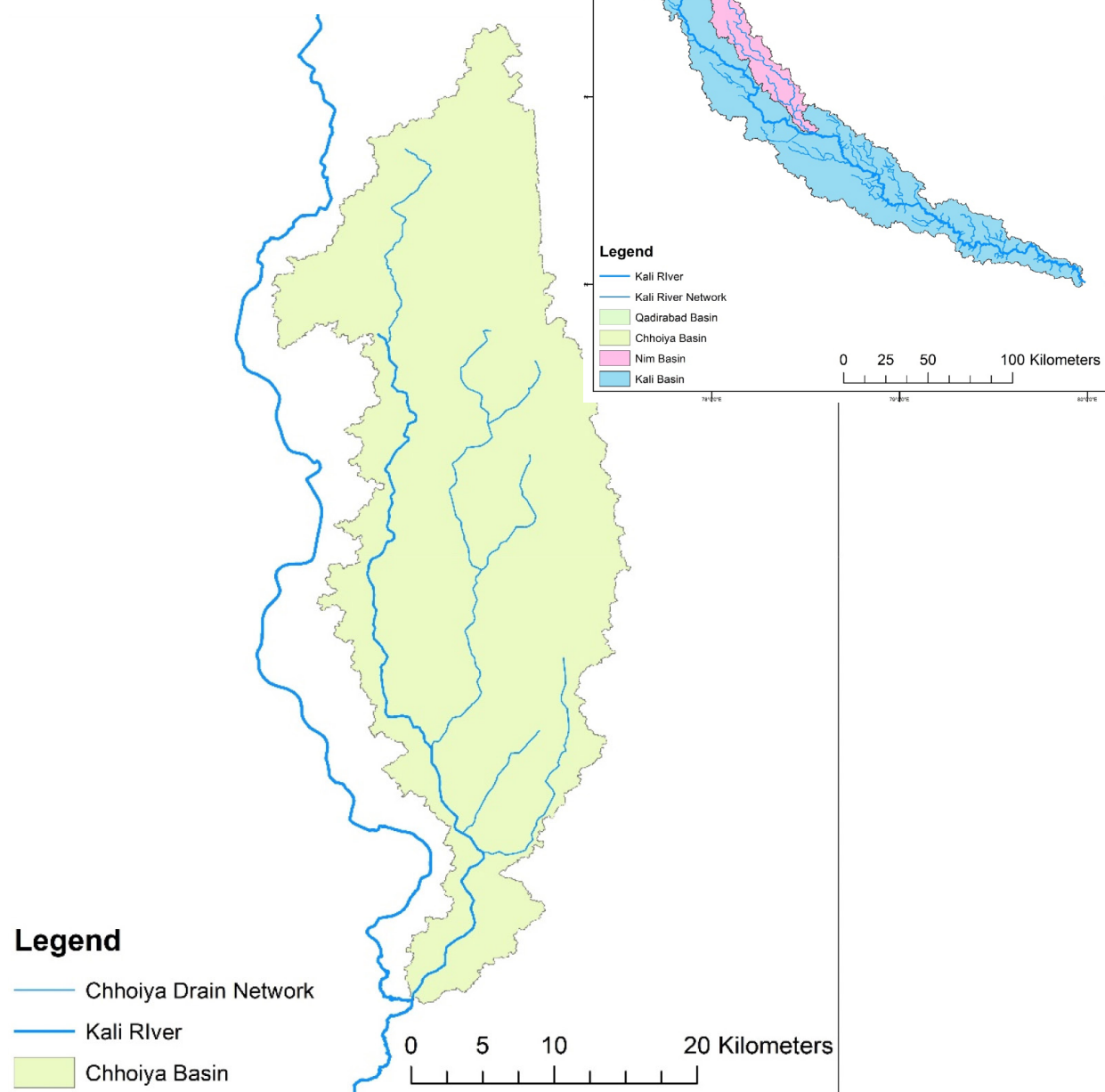


Figure: Chhoiya River Network

CHHOIYA MAINSTEM FLOW DIAGRAM

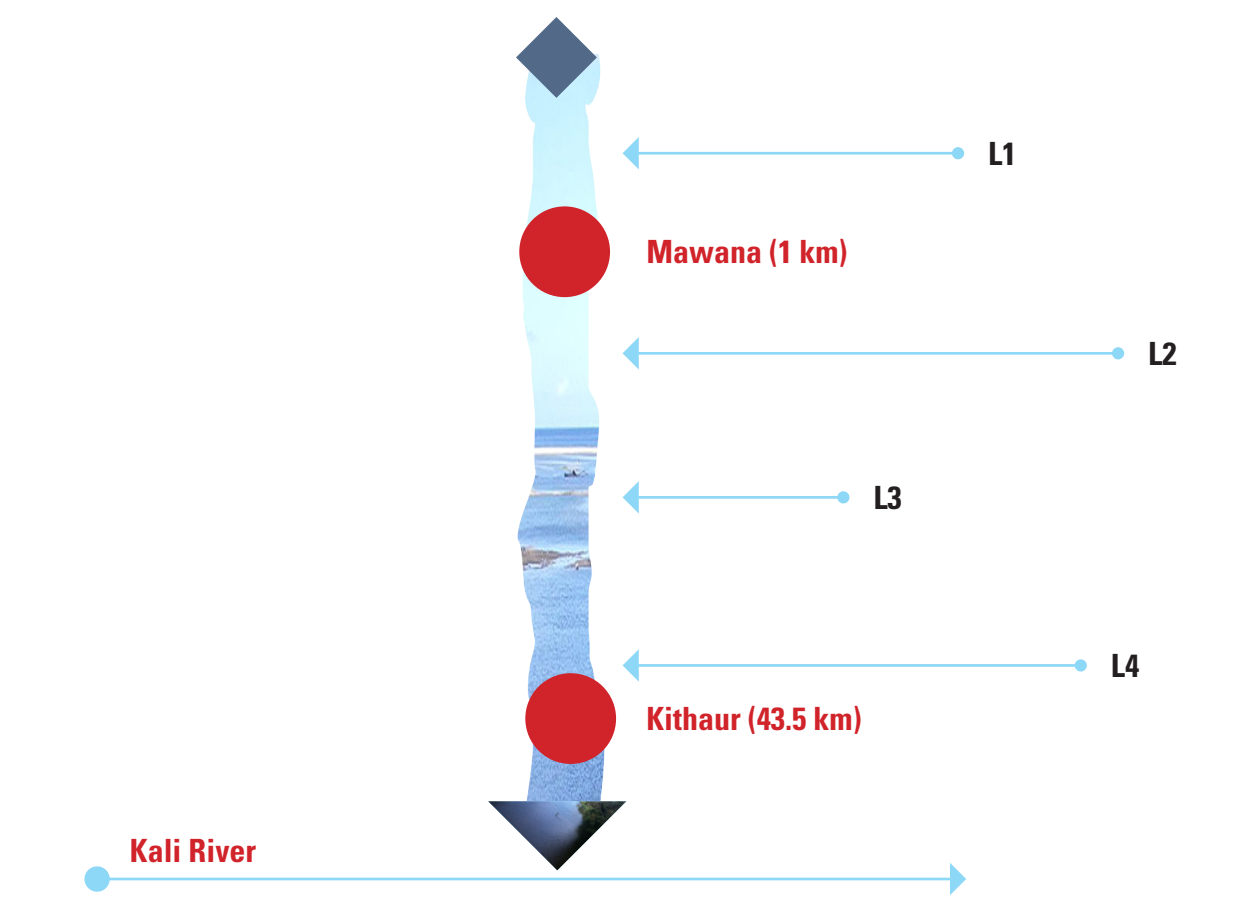


Figure: Flow Diagram of Chhoiya River

CHHOEYA DRAIN MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Gagsona Drain	L1	17.4	29.11	77.83	1
2	Ikla, Kheri maniya Drain	L2	35.5	28.85	77.86	35
3	Kithor Drain	L3	8.83	28.80	77.88	41.6
4	Raidhana Drain	L4	17.7	28.79	77.90	43.5

HAWA/QADIRABAD DRAIN BASIN

Qadirabad River UID Code:

Basin Area: 539 Sq. Km.

Number of rivers - 11

River network- 135.54 Km

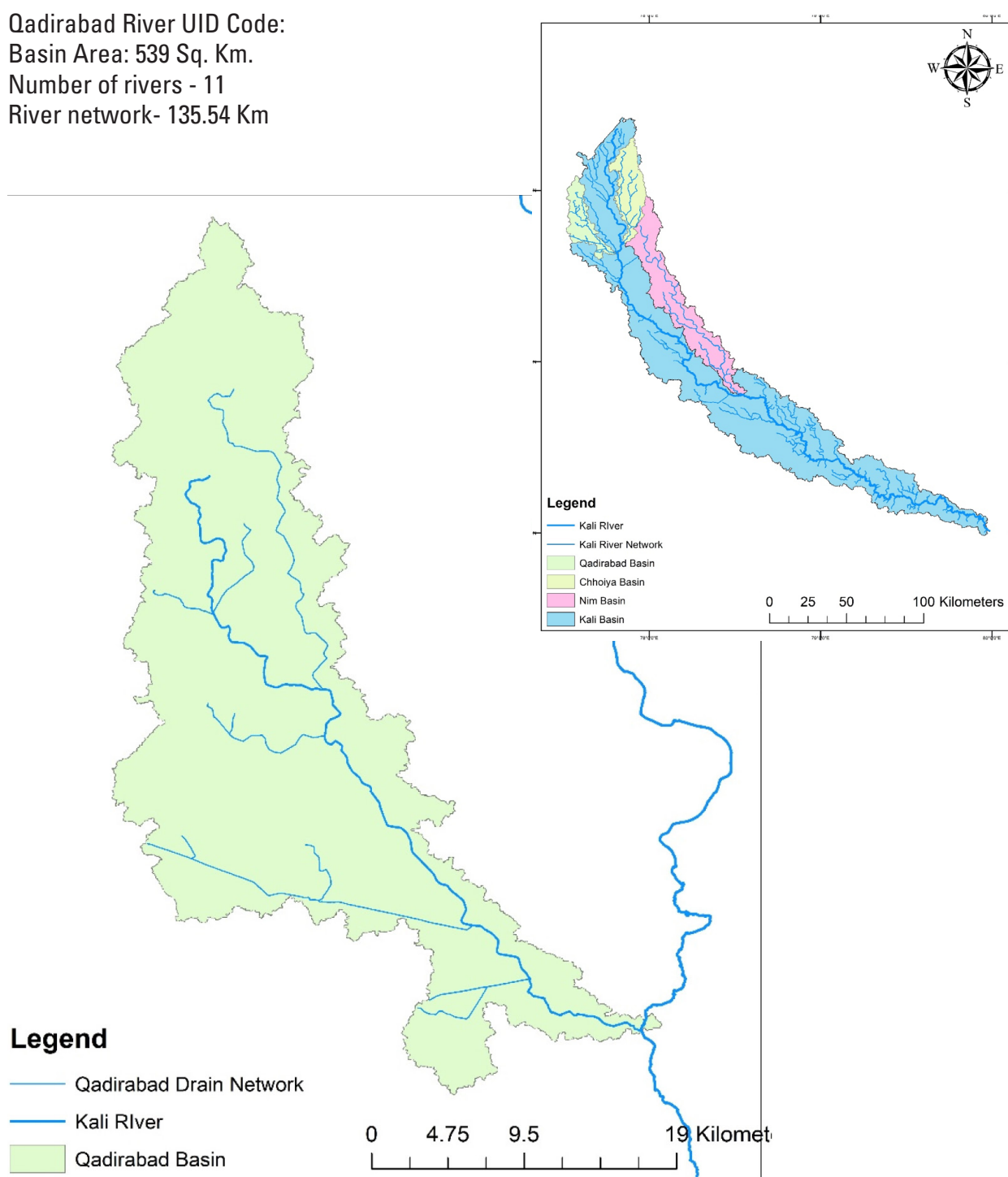


Figure: Qadirabad Drain Network

QADIRABAD MAINSTEM FLOW DIAGRAM

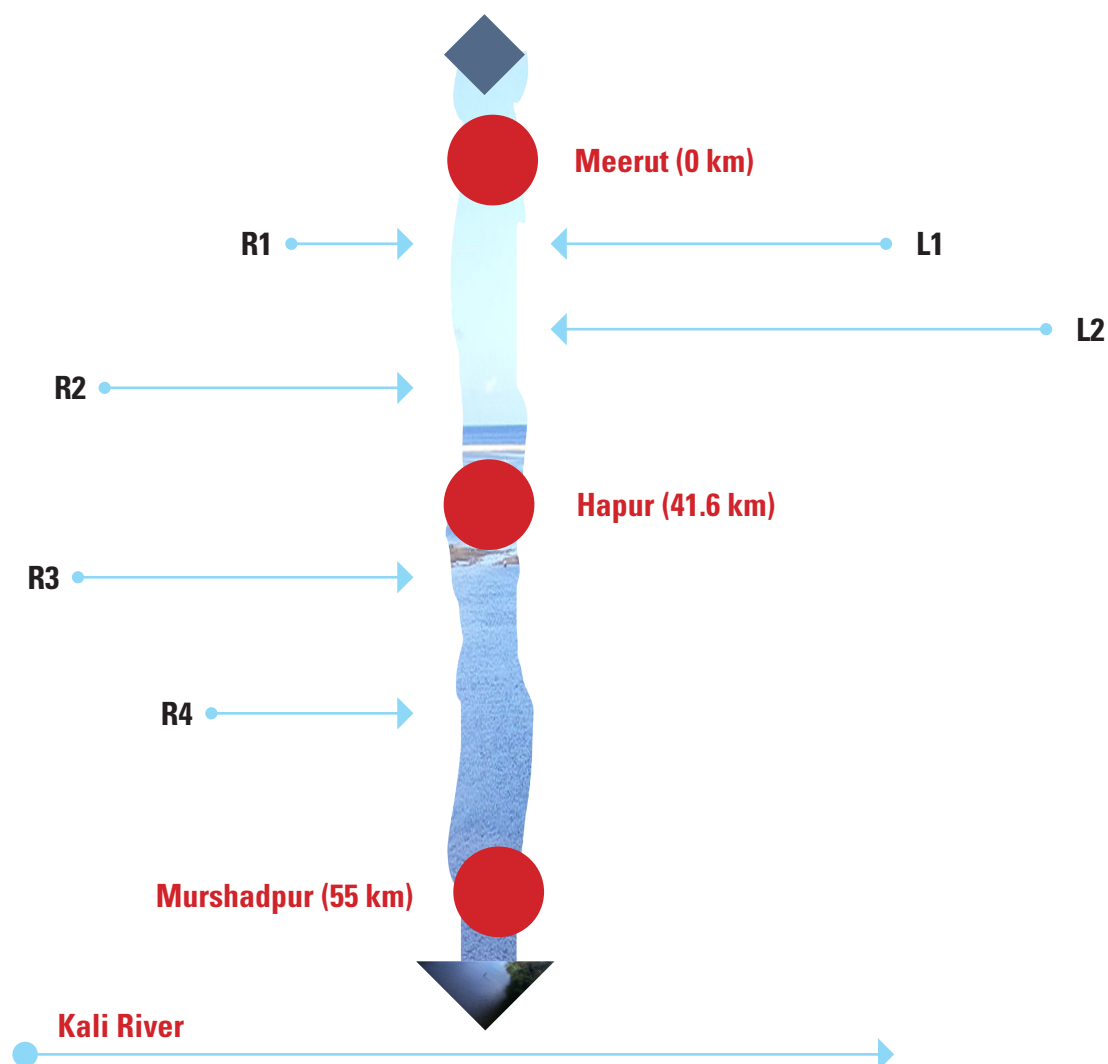


Figure: Flow Diagram of Qadirabad Drain

QADIRABAD DRAIN/ HAWA DRAIN MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Niwari Drain	R	28.86	77.57	4.1	12.2
2	Dhindala Drain	L	28.86	77.57	7	12.2
3	Sheikhpur Drain	L	28.82	77.63	25.2	21.9
4	Sikri Khurd Drain	R	28.80	77.63	8.96	25.7
5	Chhajarsi Drain	R	28.69	77.72	16.31	41.6
6	Siwia Escape	R	28.66	77.75	5.62	46.83

GOMTI BASIN AND ITS RIVER NETWORK

Gomti River UID Code:

Basin Area: 32646 Sq. Km.

Major Rivers: Sai, Sarayan, Kalyani, Kathna, Behta, Reth, Pili, Nand

Number of rivers: 298

River network: 8476.28 Km

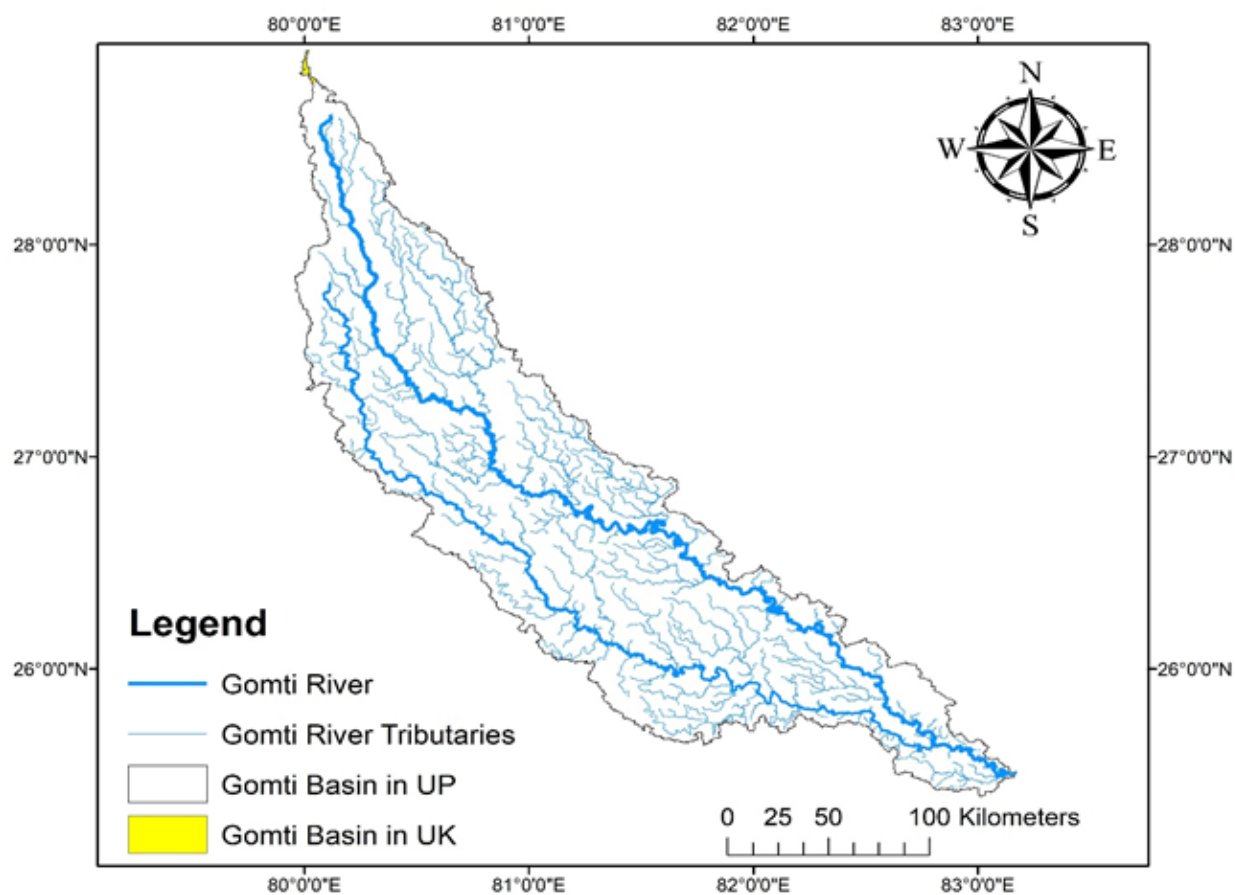
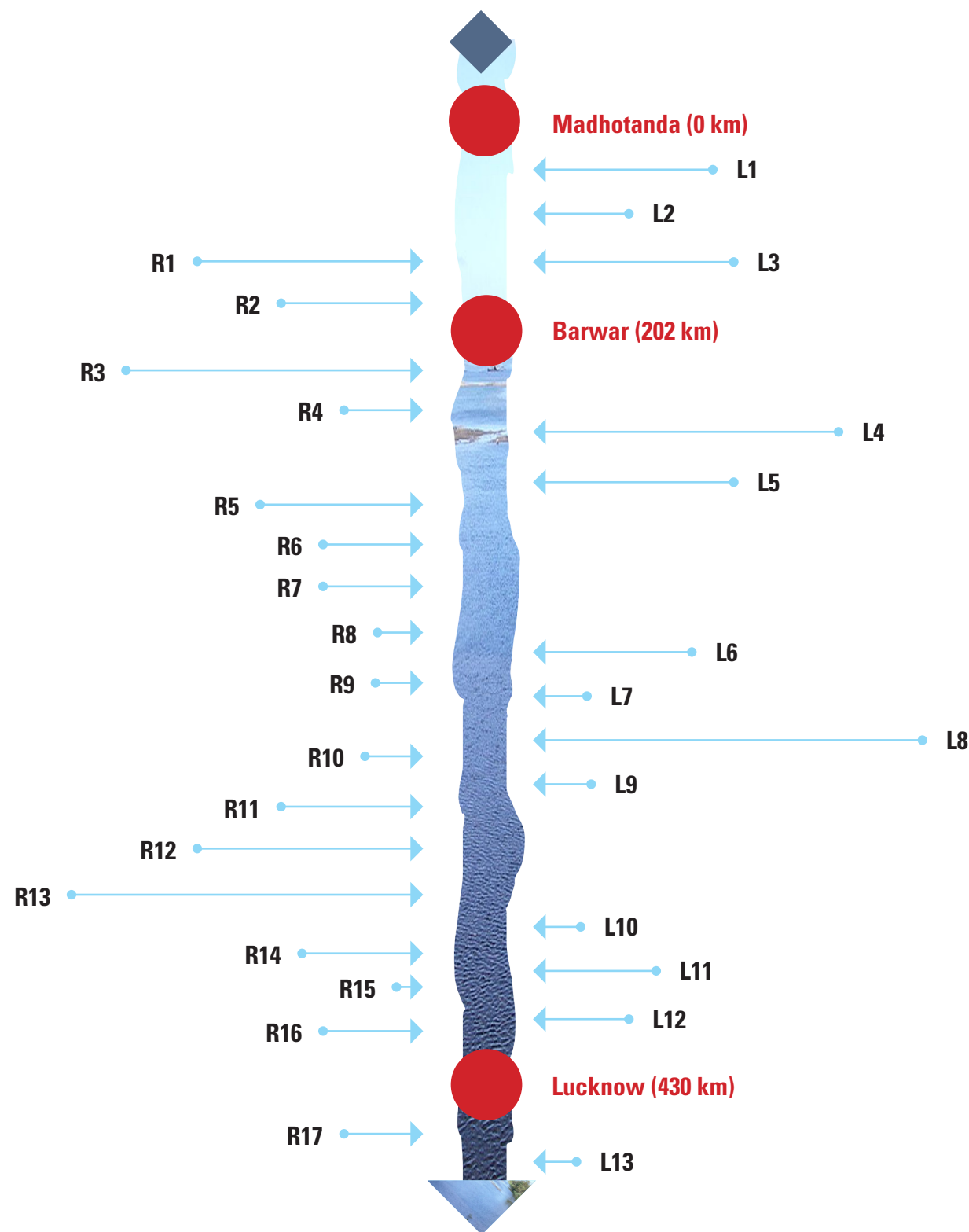
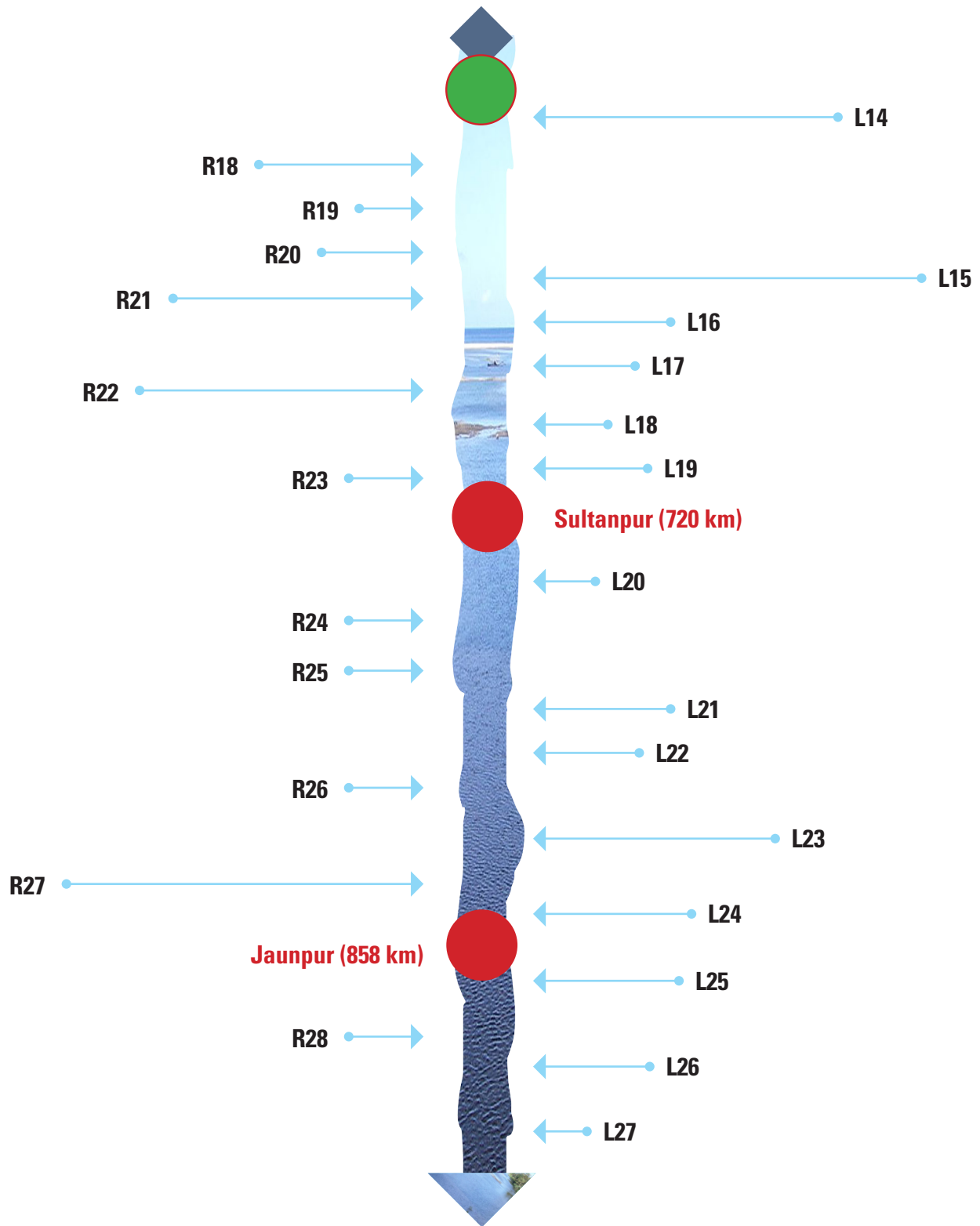


Figure: Gomti river network.

GOMTI RIVER MAINSTEM FLOW DIAGRAM





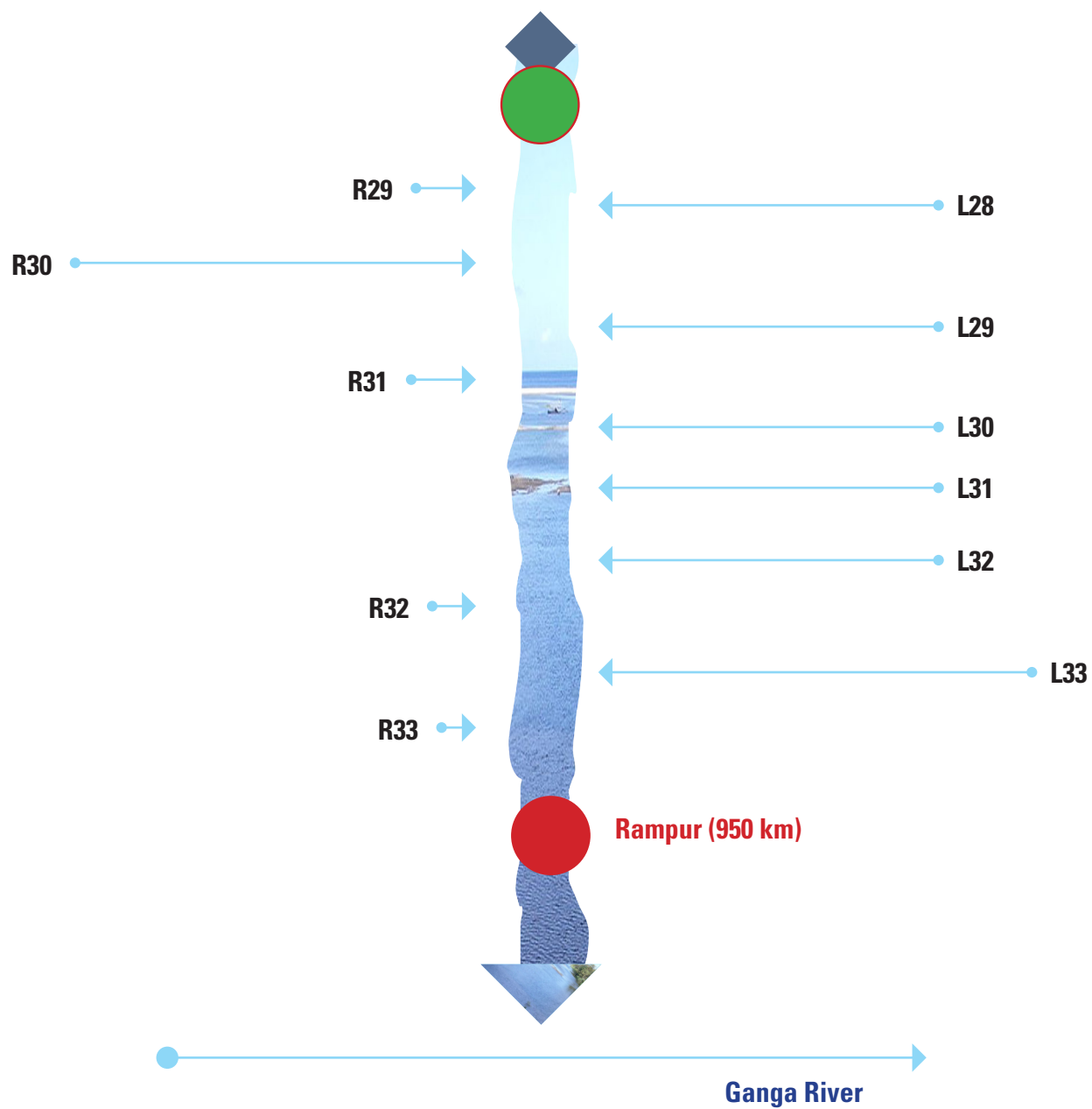


Figure: Flow diagram of Gomti River

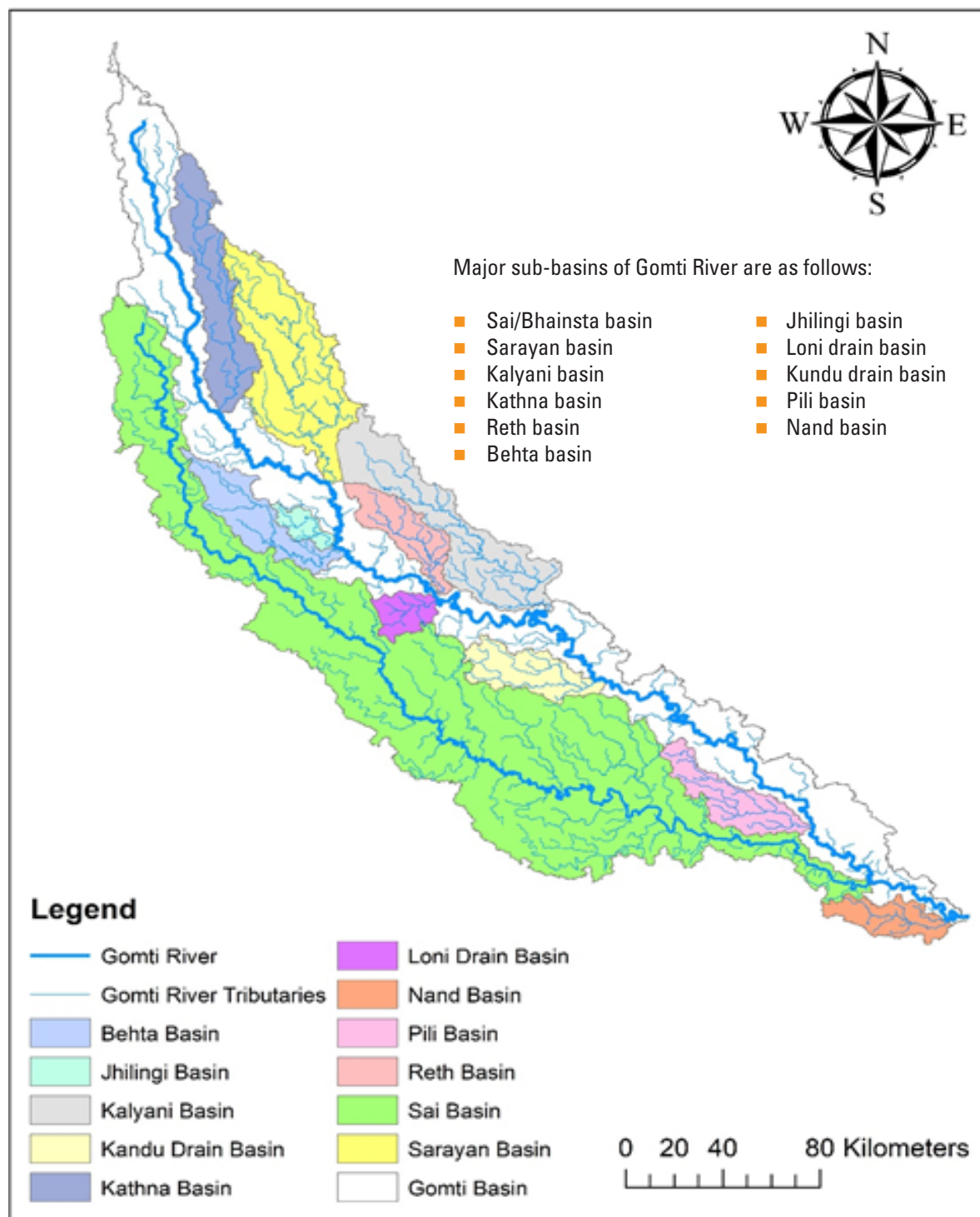
GOMTI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Gachai River	L1	14.9	28.50	80.09	17.5
2	Gohai Drain	L2	12.5	28.41	80.13	30.2
3	Joknai River	L3	51.3	28.21	80.17	77.3
4	Bhainsi River	R1	44.0	28.09	80.20	111.0
5	Chhuha Drain	R2	46.5	27.79	80.27	190.0
6	Chhuha Drain	R3	70.7	27.74	80.27	202.0
7	Andi Drain	R4	16.9	27.52	80.33	253.0
8	Kathna River	L4	191.0	27.47	80.39	266.0
9	Chitwa Drain	L5	31.4	27.40	80.45	282.0
10	Gharera Drain	R5	29.9	27.36	80.45	291.0
11	Kharja Drain	R6	22.7	27.34	80.48	299.0
12	Kherwa Drain	R7	10.5	27.29	80.51	306.0
13	Chitauri River	R8	4.7	27.28	80.51	309.0
14	Stream 16	L6	28.0	27.27	80.62	330.0
15	Stream 15	R9	4.7	27.22	80.69	347.0
16	Stream 14	L7	9.7	27.24	80.72	351.0
17	Sarayan River	L8	255.0	27.20	80.79	363.0
18	Hawal River	R10	8.5	27.13	80.80	378.0
19	Nakah River	L9	11.0	27.05	80.84	394.0
20	Akhddi River/ Akraddi Drain	R11	33.5	27.02	80.82	400.0
21	Jhilingi River/ Drain	R12	58.2	26.96	80.82	413.0
22	Behta River/Beta Drain/Ramnagr Minor	R13	165.0	26.94	80.86	418.0

GOMTI RIVER MAINSTEM NETWORK

S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
23	Tikwa Drain	L10	8.4	26.92	80.87	424.0
24	Nagarian Drain	R14	20.2	26.89	80.90	430.0
25	Stream 17	R15	3.3	26.89	80.90	431.0
26	Kukrail River	L11	21.8	26.86	80.97	440.0
27	Bhujniya Drain	R16	14.0	26.82	81.01	449.0
28	Imli Bandhan Drain	L12	15.7	26.83	81.06	457.0
29	Drain	R17	11.5	26.84	81.11	462.0
30	Stream 18	L13	6.8	26.83	81.13	464.0
31	Reth River	L14	139.7	26.77	81.19	479.0
32	Loni Drain	R18	26.8	26.73	81.20	484.0
33	Loni Drain	R19	18.4	26.70	81.30	511.0
34	Stream 13	R20	23.2	26.64	81.43	534.0
35	Kalyani River	L15	220.4	26.69	81.60	568.0
36	Ghagra/Arahi River/Raksaha Drain	R21	38.8	26.58	81.65	608.0
37	Betwa River	L16	30.7	26.59	81.70	614.0
38	Betwa Nala	L17	27.0	26.49	81.76	638.0
39	Kandu Drain	R22	64.6	26.42	81.83	652.0
40	Bisawan Drain	L18	13.6	26.38	82.01	681.0
41	Bhatpurwa Drain	L19	15.3	26.38	82.03	684.0
42	Babaira /Gobaria Drain	R23	25.7	26.28	82.06	710.0
43	Jamoria Drain	L20	6.7	26.29	82.11	720.0
44	Kanria Nala	R24	4.0	26.26	82.11	726.0

GOMTI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
45	Stream 12	R25	8.0	26.19	82.20	743.0
46	Stream 11	L21	19.2	26.22	82.29	756.0
47	Kadipur Nala	L22	10.6	26.16	82.35	772.0
48	Pili Nadi	R26	35.2	26.02	82.39	793.0
49	Sewain River	L23	31.1	25.96	82.54	811.0
50	Pili River	R27	101.0	25.85	82.59	832.0
51	Stream 10	L24	16.2	25.79	82.65	845.0
52	Stream 9	L25	13.6	25.75	82.72	858.0
53	Gathia Drain	R28	5.5	25.69	82.75	868.0
54	Sewai Nadi	L26	13.4	25.70	82.78	872.0
55	Stream 8	L27	5.5	25.70	82.79	873.0
56	Stream 7	R29	5.0	25.69	82.80	876.0
57	Balohi River	L28	11.2	25.68	82.81	877.0
58	Sai River/ Bhainsta River	R30	761.0	25.65	82.80	882.0
59	Stream 6	L29	3.4	25.64	82.87	890.0
60	Stream 5	R31	7.8	25.62	82.88	892.0
61	Tain Drain	L30	13.0	25.62	82.95	903.0
62	Stream 4	L31	5.5	25.62	82.97	905.0
63	Stream 3	L32	2.9	25.58	83.00	914.0
64	Stream 2	R32	4.3	25.54	83.04	922.0
65	Stream 1	L33	2.0	25.55	83.07	926.0
66	Nand River	R33	71.4	25.49	25.49	935.0

GOMTI BASIN: MAJOR SUB-BASINS



SAI/BHAINSTA BASINS

Sai/Bhainsta River UID Code:

Basin Area: 12833.42 Sq. Km.

Number of rivers- 113

River network- 3251.1 Km

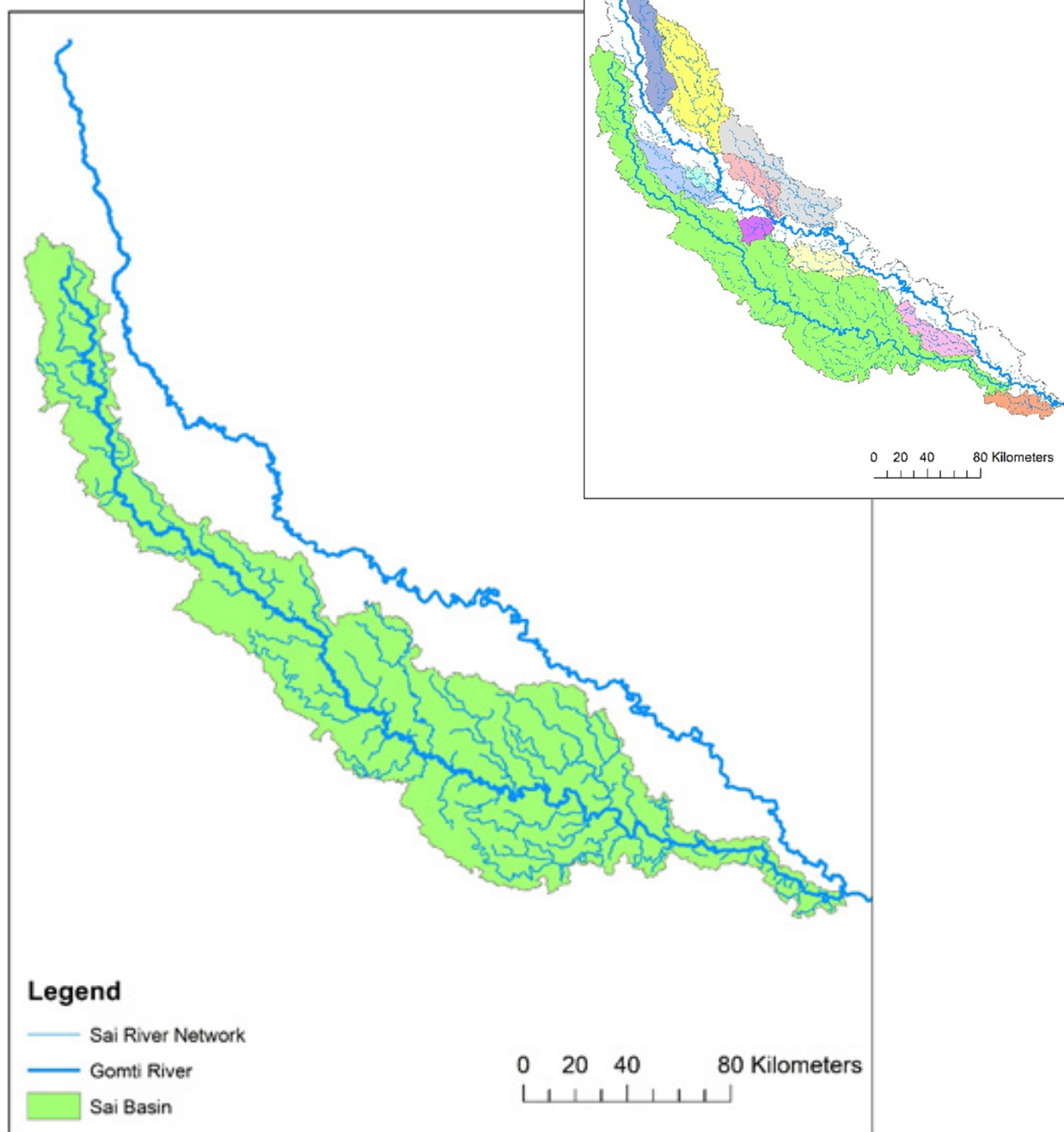
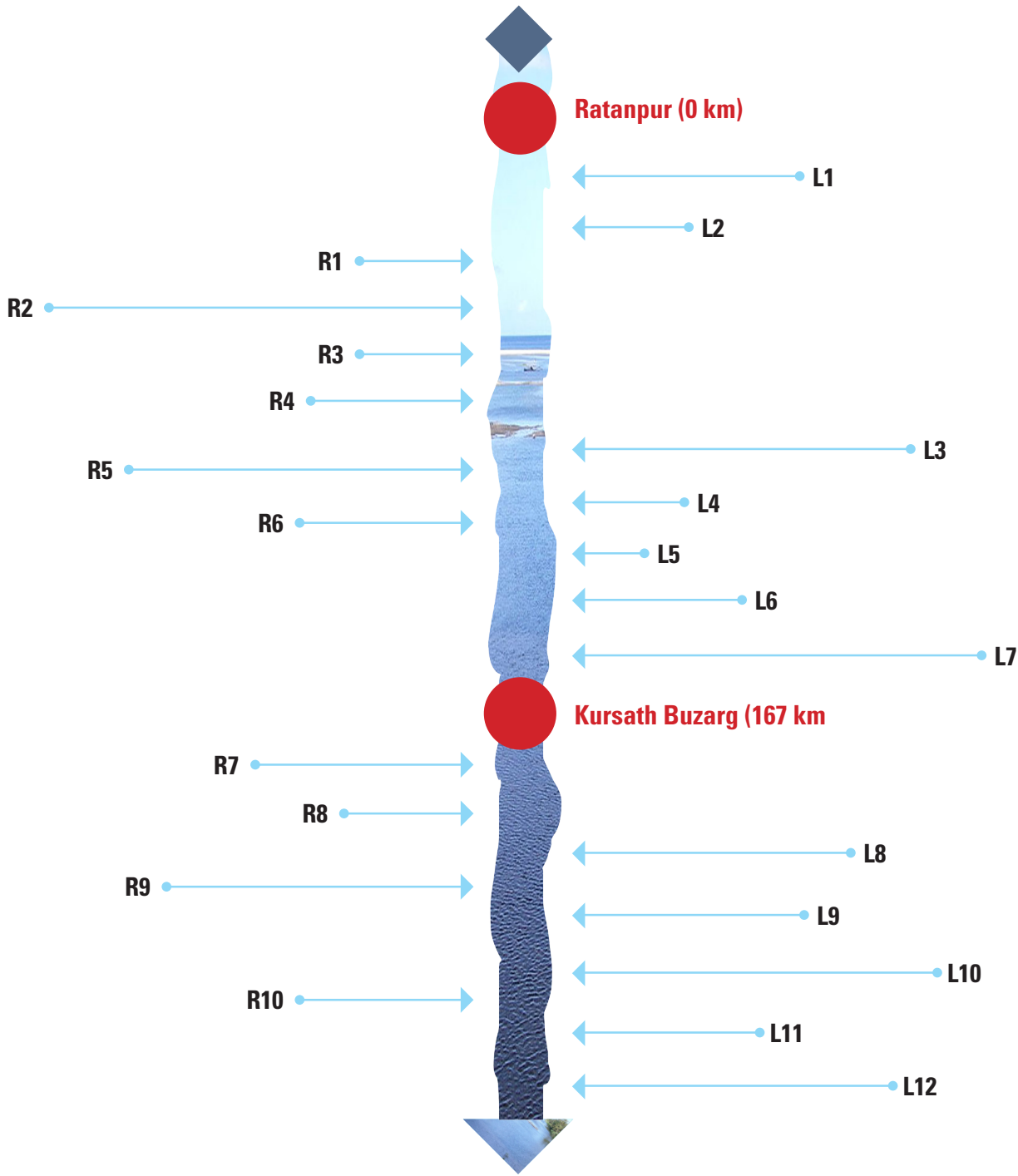
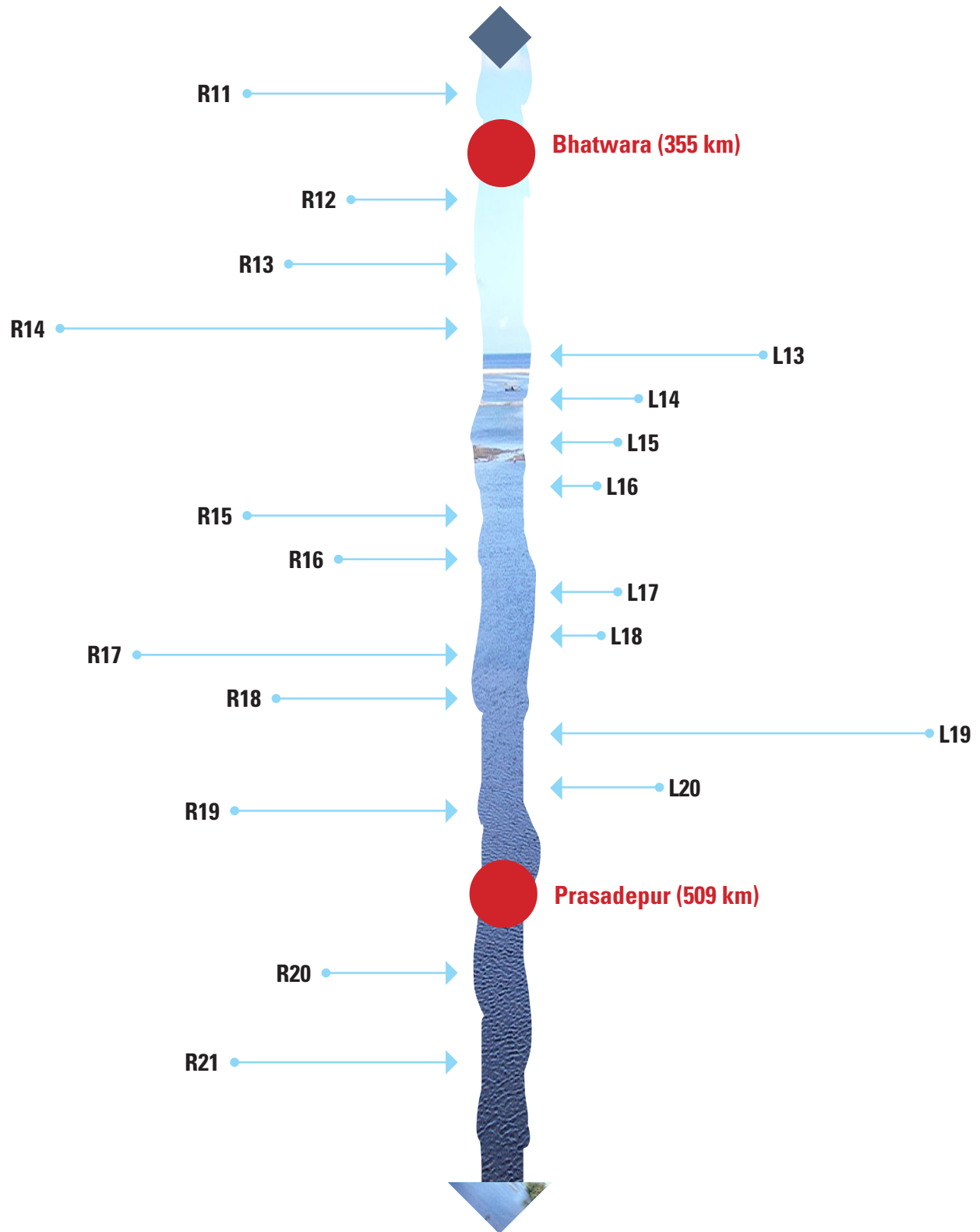
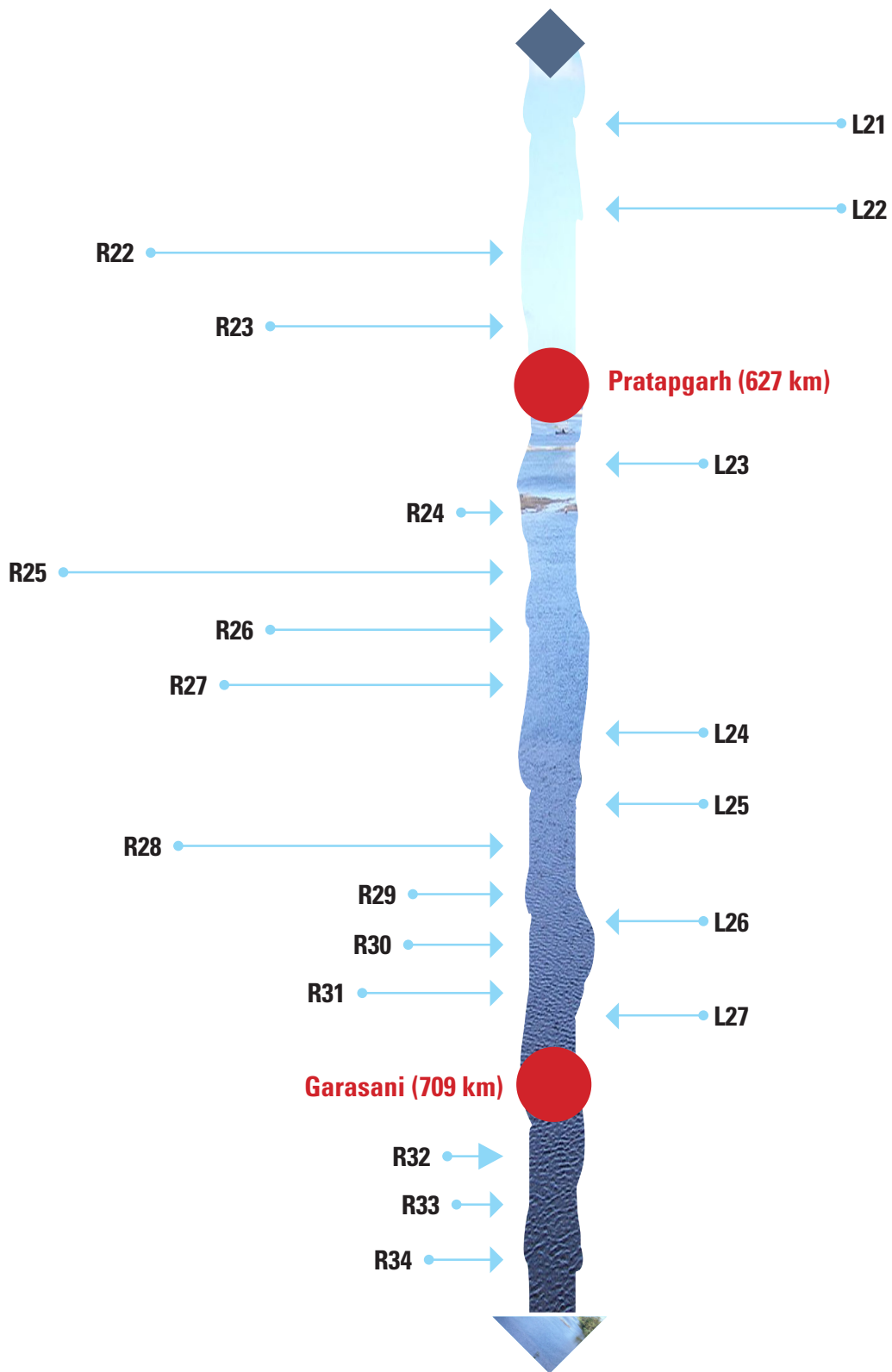


Figure: Sai River network

SAI/BHAINSTA RIVER MAINSTEM FLOW DIAGRAM







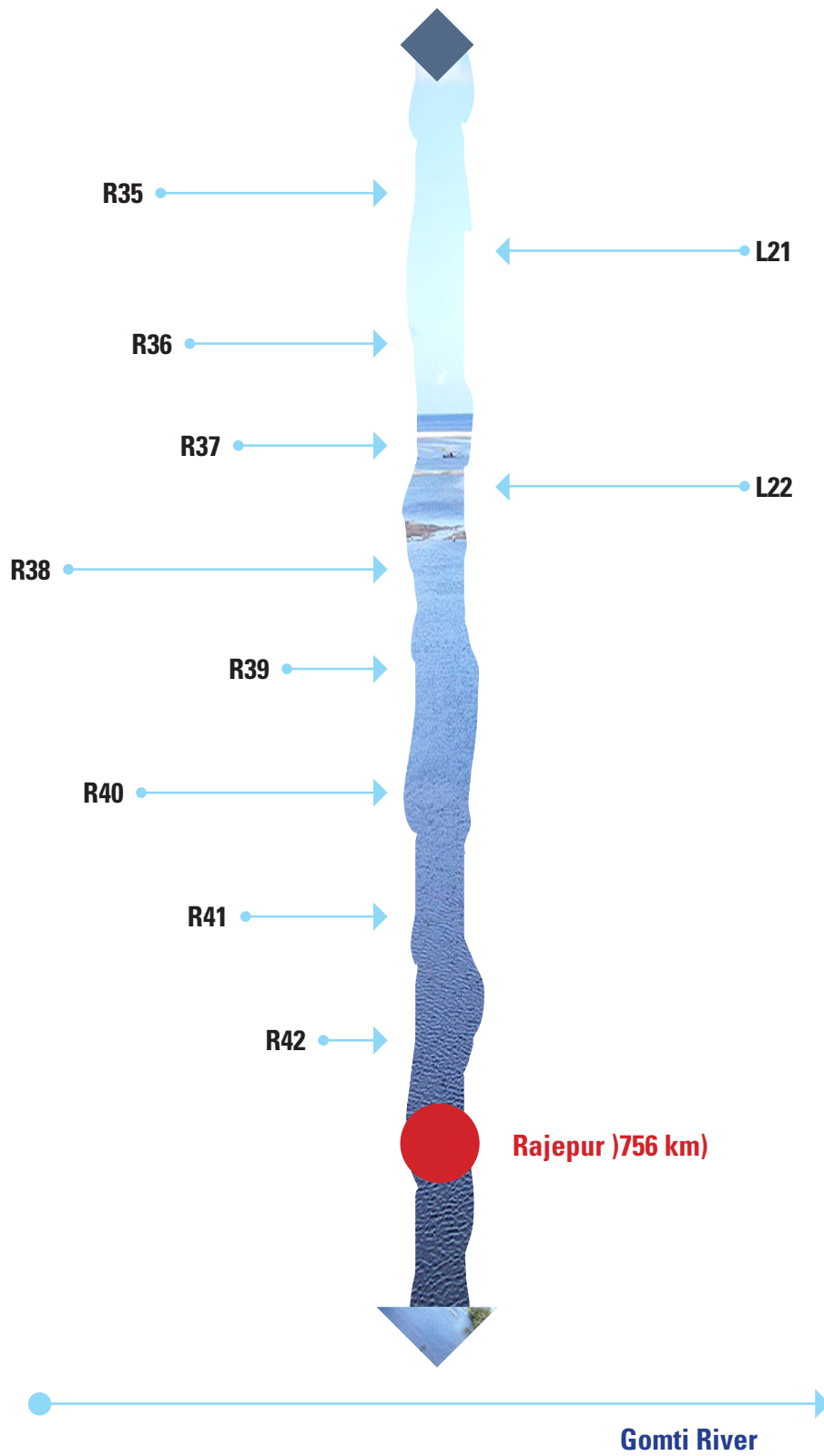


Figure: Flow Diagram of Sai River

SAI/BHAINSTA RIVER MAINSTEM NETWORK

S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Rabha Drain	L2	10.43	27.64	80.18	32.1
2	Bijgawan Nala	R1	9.93	27.62	80.18	36.7
3	Saraunia Drain	R2	45.49	27.52	80.16	62.2
4	Sewa Nala	R3	8.7	27.49	80.16	67.3
5	Pokhri Drain	R4	11.71	27.41	80.20	94.2
6	Japra Drain	L3	23.4	27.40	80.22	98.3
7	Chhoha /Behta Gokul Drain	R5	47.2	27.32	80.21	124
8	Stream 38	L4	4.85	27.27	80.25	136
9	Mahri Drain	L5	3.75	27.18	80.27	155
10	Stream 37	R6	13.6	27.15	80.26	160
11	Shamaspur Nala	L6	17.5	27.15	80.27	161
12	Kachhauna Drain	L7	69.8	27.12	80.29	167
13	Akhreria Drain	R7	15.85	27.04	80.27	180
14	Stream 36	R8	8.73	27.03	80.29	183
15	Lubar Drain/ Rithwan Drain	L8	31.7	26.91	80.47	230
16	Riswan Drain	R9	23.7	26.84	80.54	248
17	Tainra Nala	L9	18.9	26.81	80.61	264
18	Nagwa Drain	L10	56.2	26.66	80.79	308
19	Sarai Joga Nala	R10	7.65	26.62	80.83	319
20	Barer Drain	L11	11.55	26.60	80.89	331
21	Bakh Drain	L12	55.77	26.53	81.01	355
22	Kusalia Drain	R11	34.03	26.50	80.99	359
23	Kharui Nala	R12	3.85	26.46	80.99	366
24	Sarhi Drain	R13	18.6	26.32	81.07	397
25	Basaha Drain	R14	85.32			407

SAI/BHAINSTA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
26	Kalwanaya Drain	L13	36.85	26.28	81.17	418
27	Stream 35	L14	10.3	26.27	81.21	426
28	Didauli Drain	L15	8.72	26.26	81.22	427
29	Stream 41	L16	4.42	26.23	81.22	432
30	Sonh Drain	R15	19.2	26.20	81.20	437
31	Bala Khara Minor	R16	16.4	26.19	81.21	441
32	Stream 33	L17	4.37	26.19	81.29	456
33	Stream 32	L18	3.72	26.18	81.30	457
34	Isaur Drain	R17	73.76	26.15	81.31	463
35	Chop Drain	R18	21	26.11	81.35	472
36	Naiya River/ Naiya/ Maharajgang/ Baraila Drain	L19	115	26.12	81.38	477
37	Drain	L20	9.83	26.08	81.44	490
38	Rahaniya Tal	R19	35.9	26.06	81.45	495
39	Mohanganj/ Dubhanpur Drain	R20	10.5	26.03	81.52	509
40	Stream 26	R21	27.1	25.99	81.61	527
41	Naiya Drain	L21	84.8	25.99	81.65	538
42	Naiya Nala	L22	39.5	26.02	81.77	572
43	Loni River	R22	50.9	25.93	81.90	609
44	Sakarni nadi,Narayanpur Nala	R23	22.8	25.90	81.92	615
45	Chamrauha River/Naudiha River/Bhiwa Drain	L23	93.3	25.94	81.98	627
46	Stream 24	R24	3.4	25.89	82.01	636

SAI/BHAINSTA RIVER MAINSTEM NETWORK

S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
47	Bakulahi River	R25	138	25.88	82.02	637
48	Stream 22	R26	20.9	25.84	82.06	644
49	Stream 21	R27	23.2	25.84	82.07	645
50	Paraya Drain	L24	40.7	25.89	82.08	652
51	Patti Drain	L25	36.7	25.82	82.21	669
52	Stream 18	R28	30.9	25.82	82.22	670
53	Stream 17	R29	9.87	25.81	82.29	677
54	Stream 16	L26	9.58	25.82	82.30	680
55	Stream 15	R30	7.7	25.79	82.41	697
56	Stream 14	R31	10.4	25.80	82.50	707
57	Stream 13	L27	4.15	25.80	82.52	709
58	Stream 12	R32	5.7	25.75	82.54	718
59	Stream 11	R33	3.8	25.73	82.56	722
60	Stream 10	R34	4.15	25.71	82.57	724
61	Stream 9	R35	7.59	25.71	82.59	726
62	Stream 8	L28	2.66	25.71	82.60	727
63	Stream 7	R36	5.32	25.69	82.63	730
64	Stream 6	R37	4.24	25.67	82.65	735
65	Stream 5	L29	3.36	25.66	82.66	737
66	Jogirpur Drain	R38	16.8	25.65	82.67	738
67	Sulkhapur Drain	R39	3.44	25.64	82.71	743
68	Stream 3	R40	14.5	25.61	82.73	750
69	Stream 2	R41	6.87	25.62	82.74	751
70	Stream 1	R42	2.77	25.62	82.79	756

KALYANI BASIN

Kalyani River UID Code:
 Basin Area: 2049.49 Sq. Km.
 Number of rivers- 24
 River network- 610.4 Km

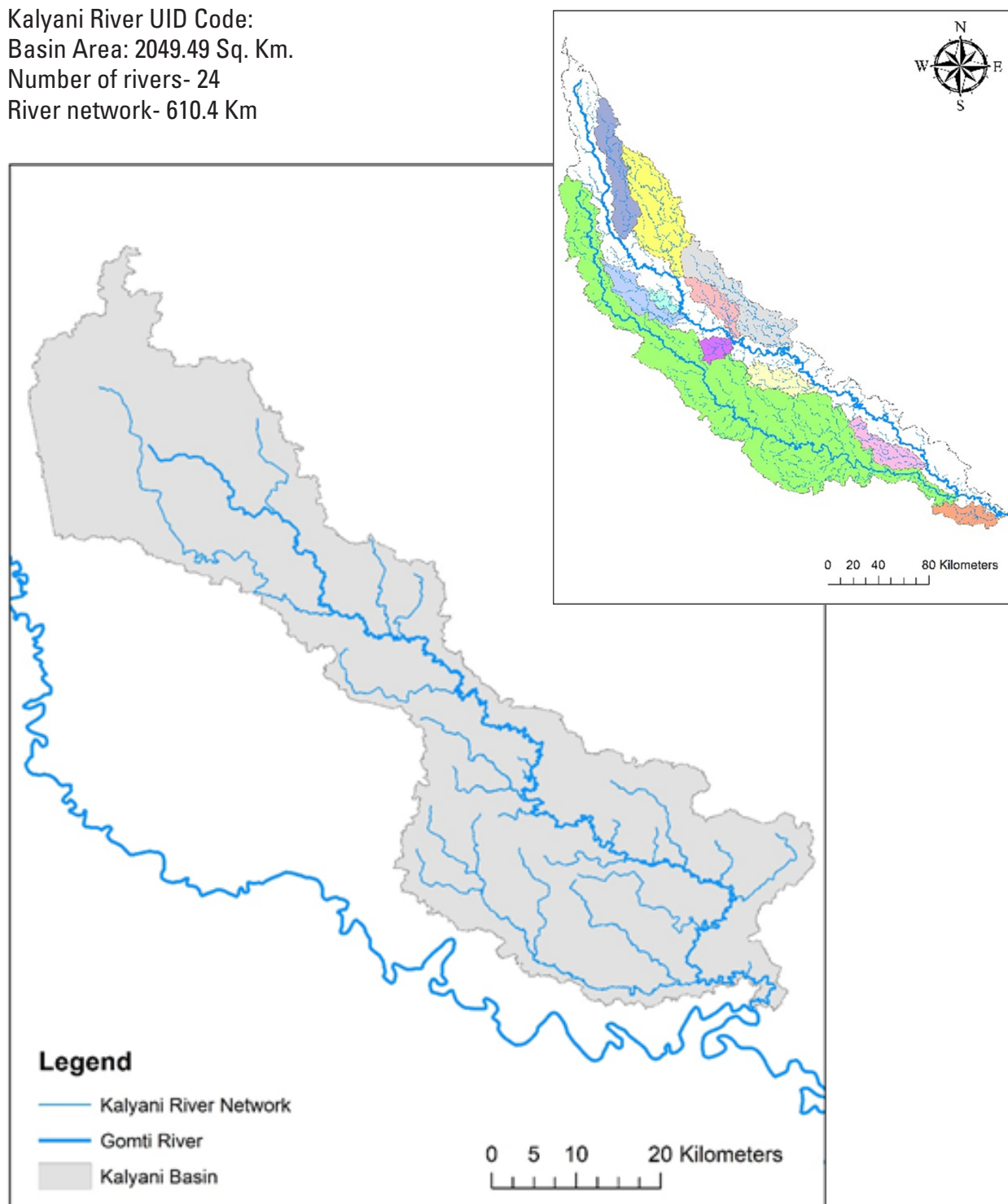


Figure: Kalyani River Network

KALYANI RIVER MAINSTEM FLOW DIAGRAM

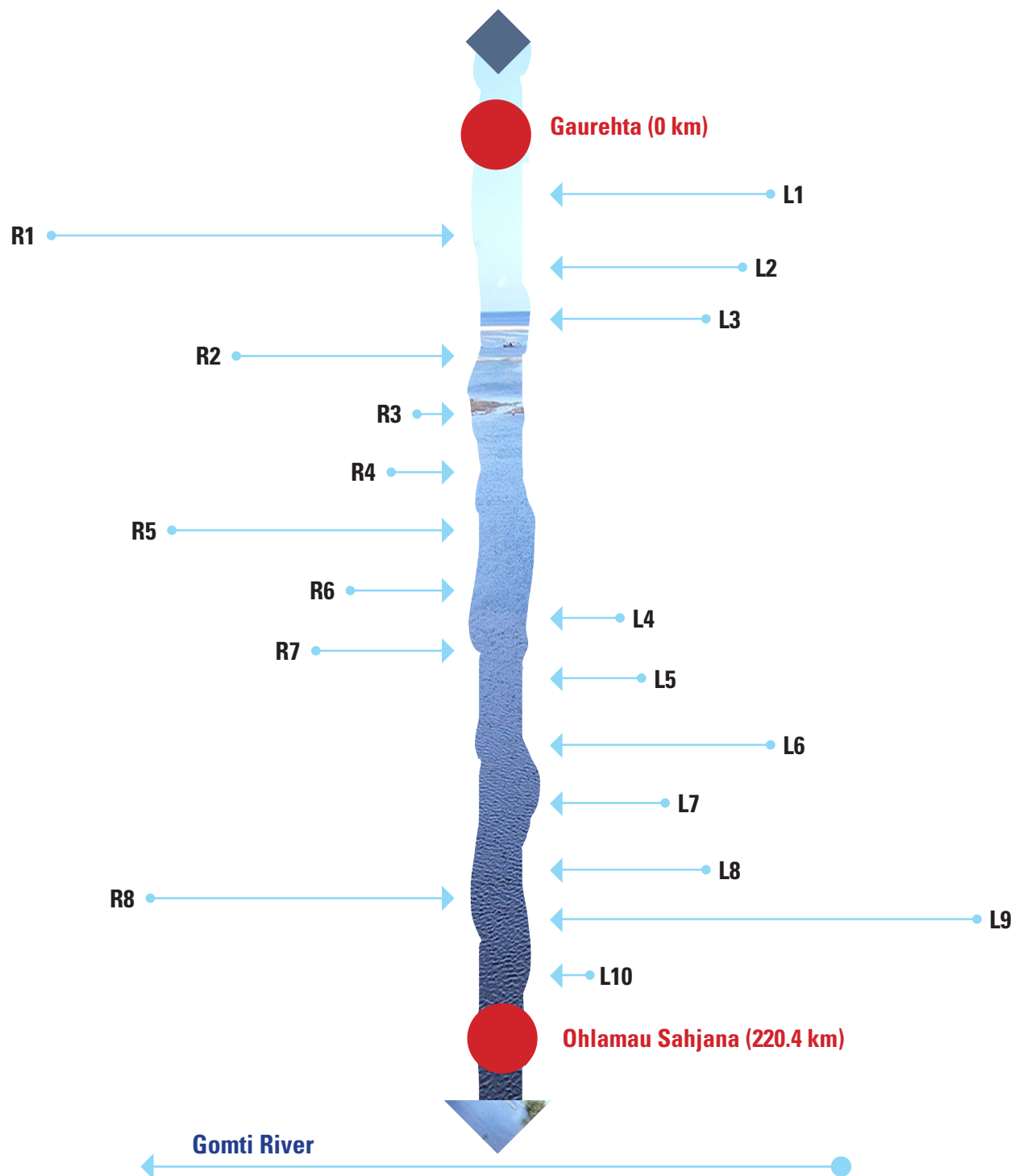


Figure: Flow Diagram of Kalyani River

SAI/BHAINSTA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 12	L1	15.5	27.22	81.09	10.5
2	Drain2	R1	62.6	27.12	81.15	32.9
3	Jhawa Drain	L2	15.18	27.09	81.21	46
4	Stream 10	L3	11.5	27.09	81.22	48.9
5	Stream 9	R2	22.3	27.03	81.28	63.3
6	Stream 8	R3	2.44	26.95	81.36	102
7	Stream 7	R4	2.45	26.94	81.36	104
8	Gari River	R5	23.2	26.92	81.36	112
9	Stream 6	R6	7.22	26.90	81.36	117
10	Stream 5	L4	4.15	26.87	81.45	137
11	Drain 1	R7	13.7	26.85	81.46	141
12	Stream 4	L5	4.99	26.85	81.49	146
13	Ambar Drain	L6	19	26.85	81.52	152
14	Stream 2	L7	8.7	26.82	81.57	161
15	Bhoria Drain	L8	15.3	26.81	81.58	165
16	Drain	R8	25	26.78	81.54	177
17	Rari Drain	R9	60.06	26.72	81.54	186
18	Stream 1	L9	2.46	26.73	81.59	197

SARAYAN BASIN

Sarayan River UID Code:
Basin Area: 2502.11 Sq. Km.
Number of rivers- 15
River network- 765.18 Km

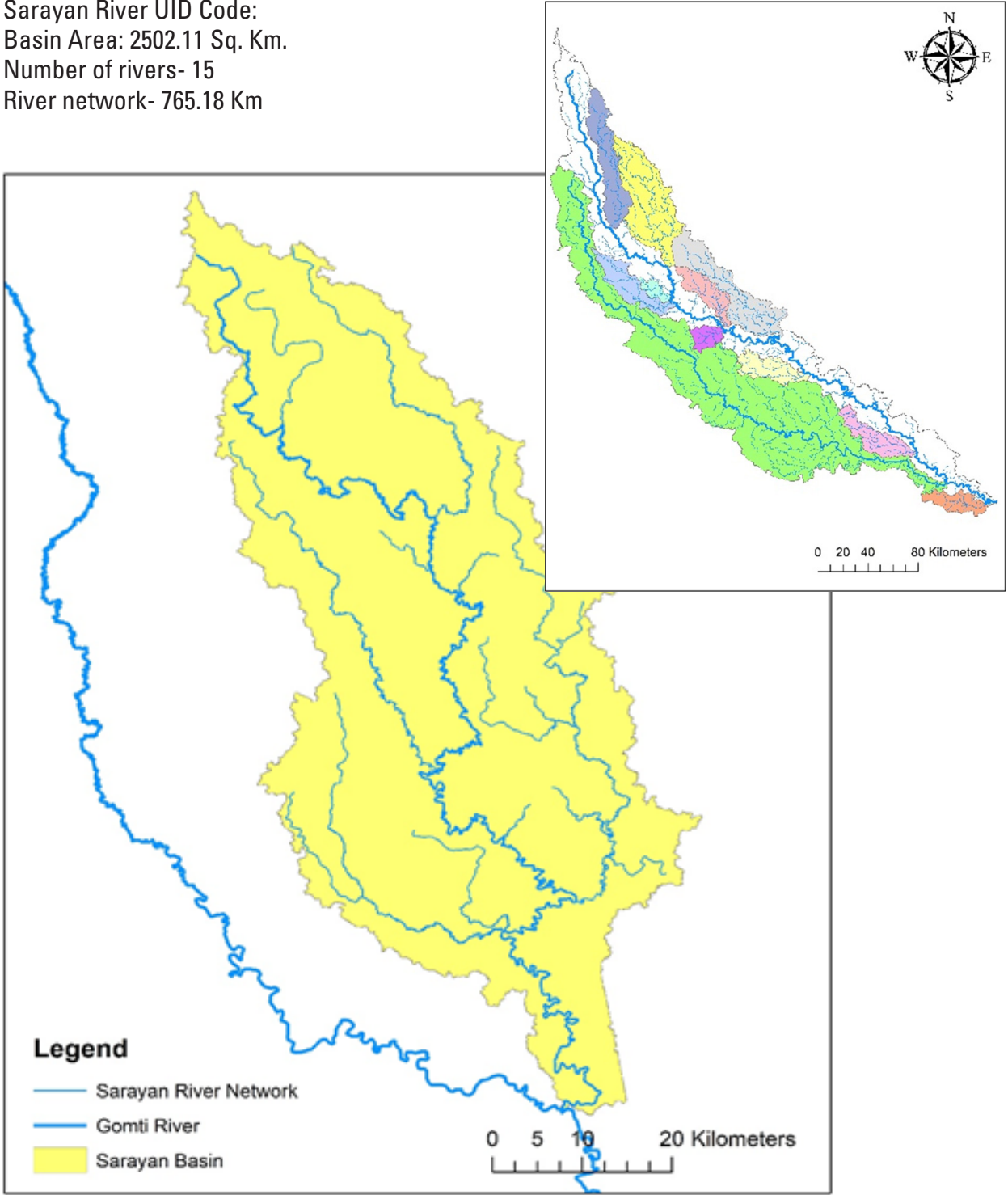


Figure: Sarayan River Network

SARAYAN RIVER MAINSTEM FLOW DIAGRAM

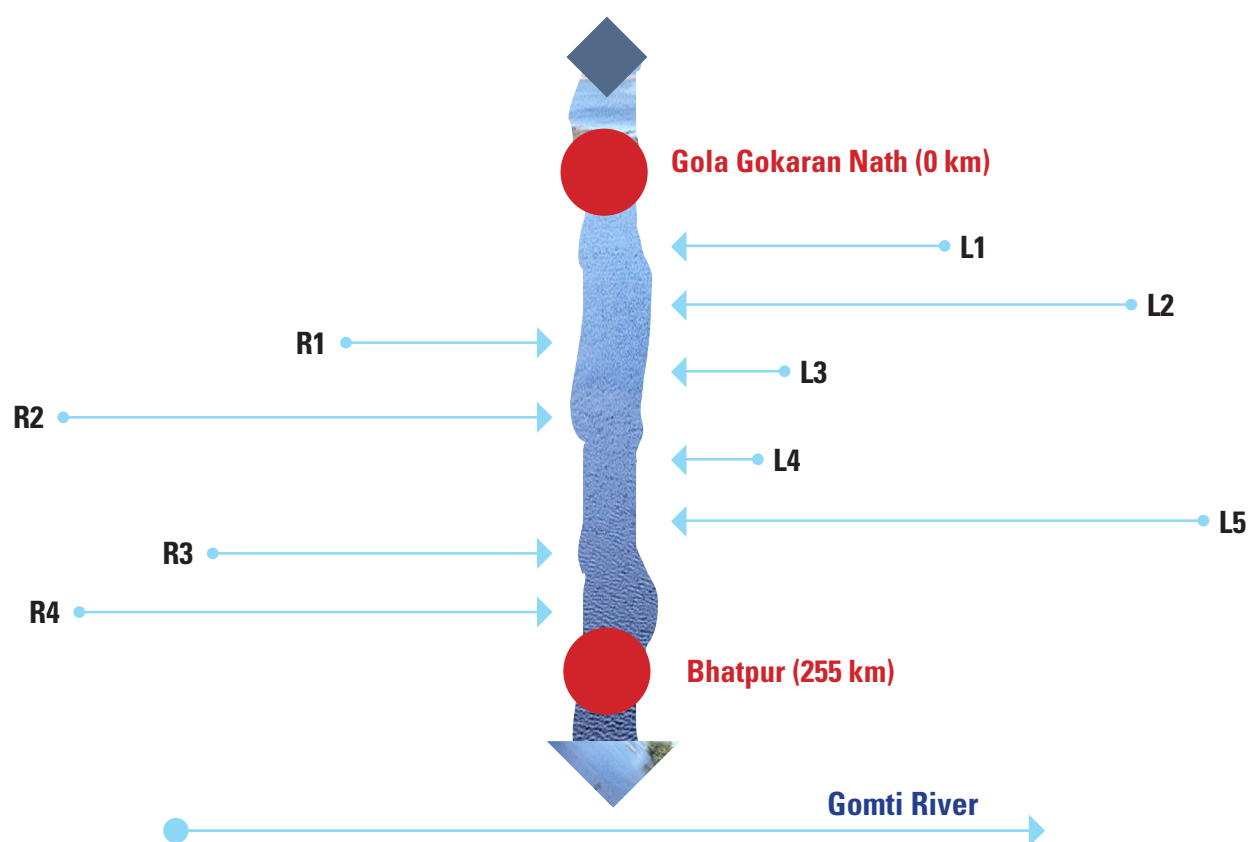


Figure: Flow diagram of Sarayan River

SARAYAN RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Suthehra Drain	L1	28.49	27.91	80.51	36.7
2	Jamuari River	L2	66.6	27.82	80.66	66.3
3	Abgawan Drain	R1	9.59	27.76	80.66	75.8
4	Parsehra Drain	L3	8.64	27.74	80.69	81.8
5	Pirai Drain	R2	80.49	27.55	80.65	136
6	Stream 1	L4	6.74	27.48	80.73	165
7	Gona river	L5	99.6	27.42	80.80	186
8	Stream 2	R3	31.1	27.39	80.73	202
9	Beta River	R4	62.75	27.39	80.73	201

KATHNA BASIN

Kathna River UID Code:
Basin Area: 1500.49 Sq. Km.
Number of rivers- 10
River network- 354.4 Km

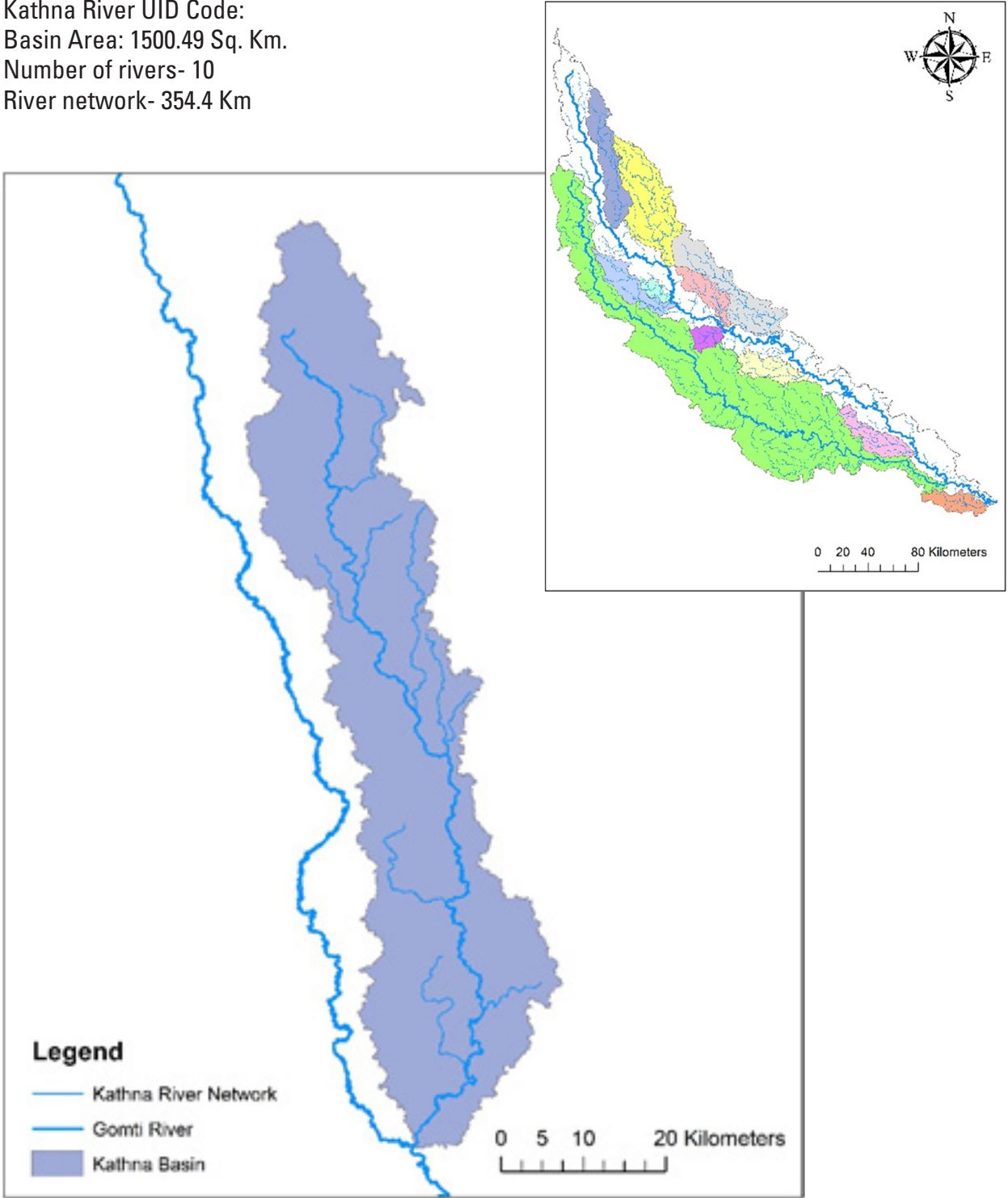


Figure: Kathna River Network

KATHNA RIVER MAINSTEM FLOW DIAGRAM

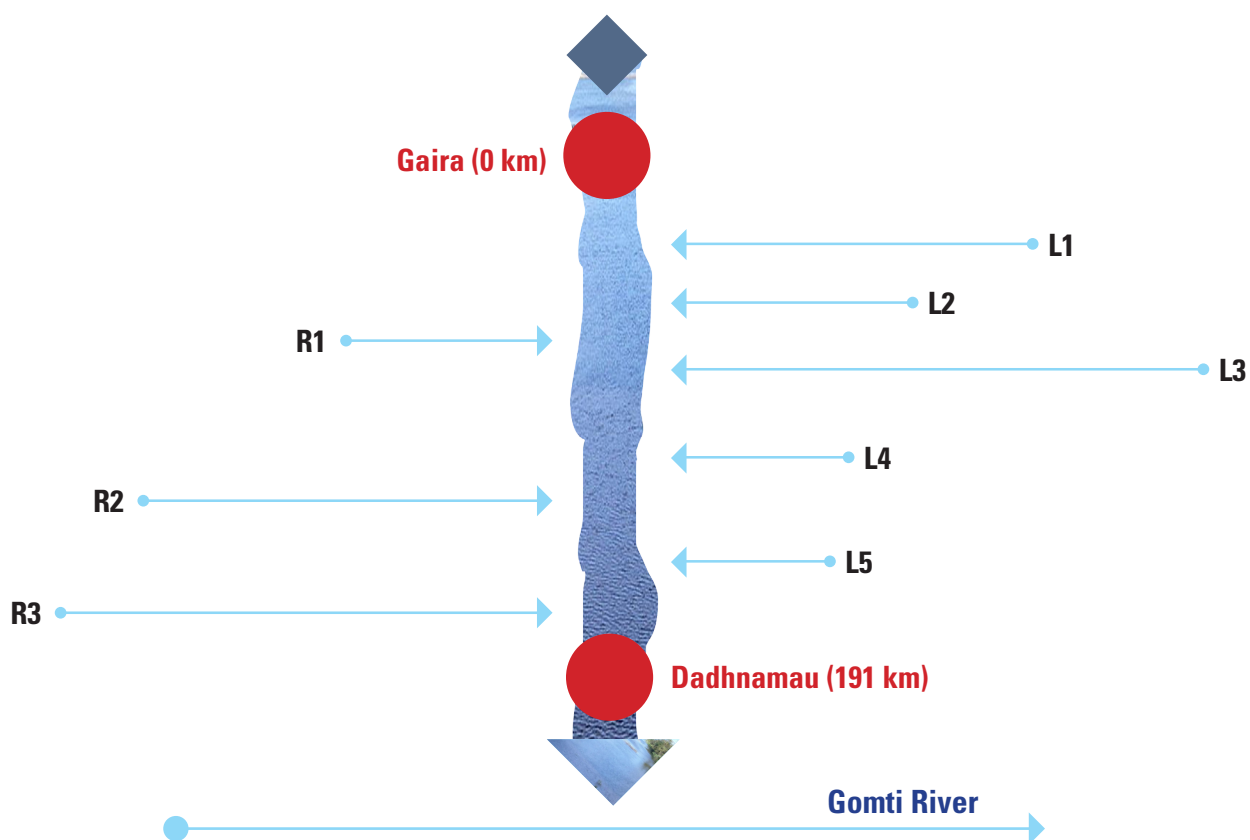


Figure: Flow diagram of Kathna River Network

KATHNA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Kalwakundi Drain	L1	21.35	28.19	80.31	34.7
2	Drain	L2	13.4	28.09	80.33	52.9
3	Kathwa River	R1	11.55	28.05	80.34	59
4	Drain 2	L3	33	27.95	80.39	80
5	Drain 3	L4	11.5	27.90	80.43	90.8
6	Khareri Drain	R2	20.7	27.74	80.43	126
7	Kasera Nala	L5	11.4	27.62	80.47	153
8	Siwai Drain	R3	22.8	27.56	80.45	167

RETH BASIN

Reth River UID Code:
 Basin Area: 719.21 Sq. Km.
 Number of rivers- 11
 River network- 235.4 Km

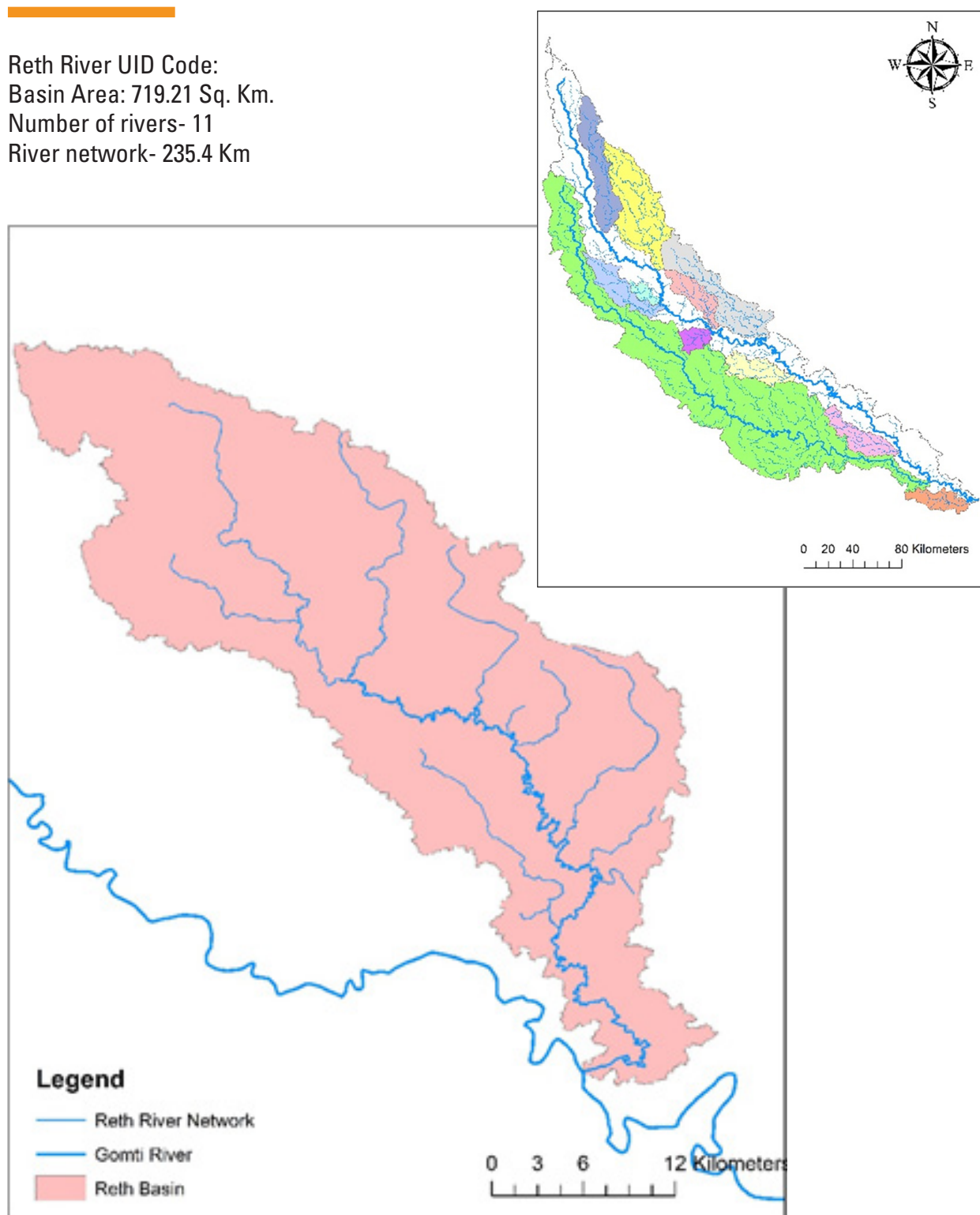


Figure: Reth River Network

RETH RIVER MAINSTEM FLOW DIAGRAM

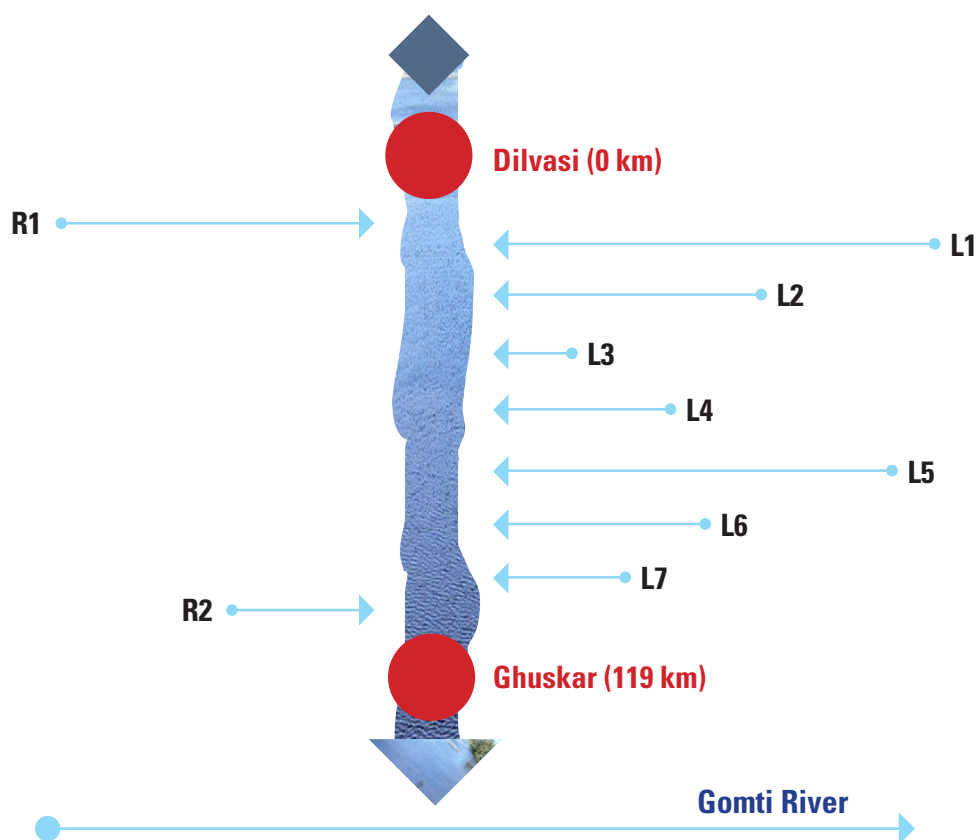


Figure: Flow Diagram of Reth River Network

RETH RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Drain	R1	11.2	27.03	81.02	28.3
2	Reth River2	L1	25.6	27.00	81.05	37.5
3	Narwa Drain	L2	15.8	26.98	81.13	52.2
4	Nawar Drain	L3	2.45	26.97	81.14	57.3
5	Maholia Drain	L4	9	26.96	81.15	59.1
6	Jamuria Drain	L5	21.2	26.91	81.18	76.8
7	Stream 1	L6	7.47	26.89	81.19	82.7
8	Nanmau Drain	L7	4.54	26.88	81.20	83.7
9	Murra drain	R2	4.23	26.85	81.18	91.1

BEHTA BASIN

Behta River UID Code:
 Basin Area: 958.34 Sq. Km.
 Number of rivers- 07
 River network- 256.3 Km

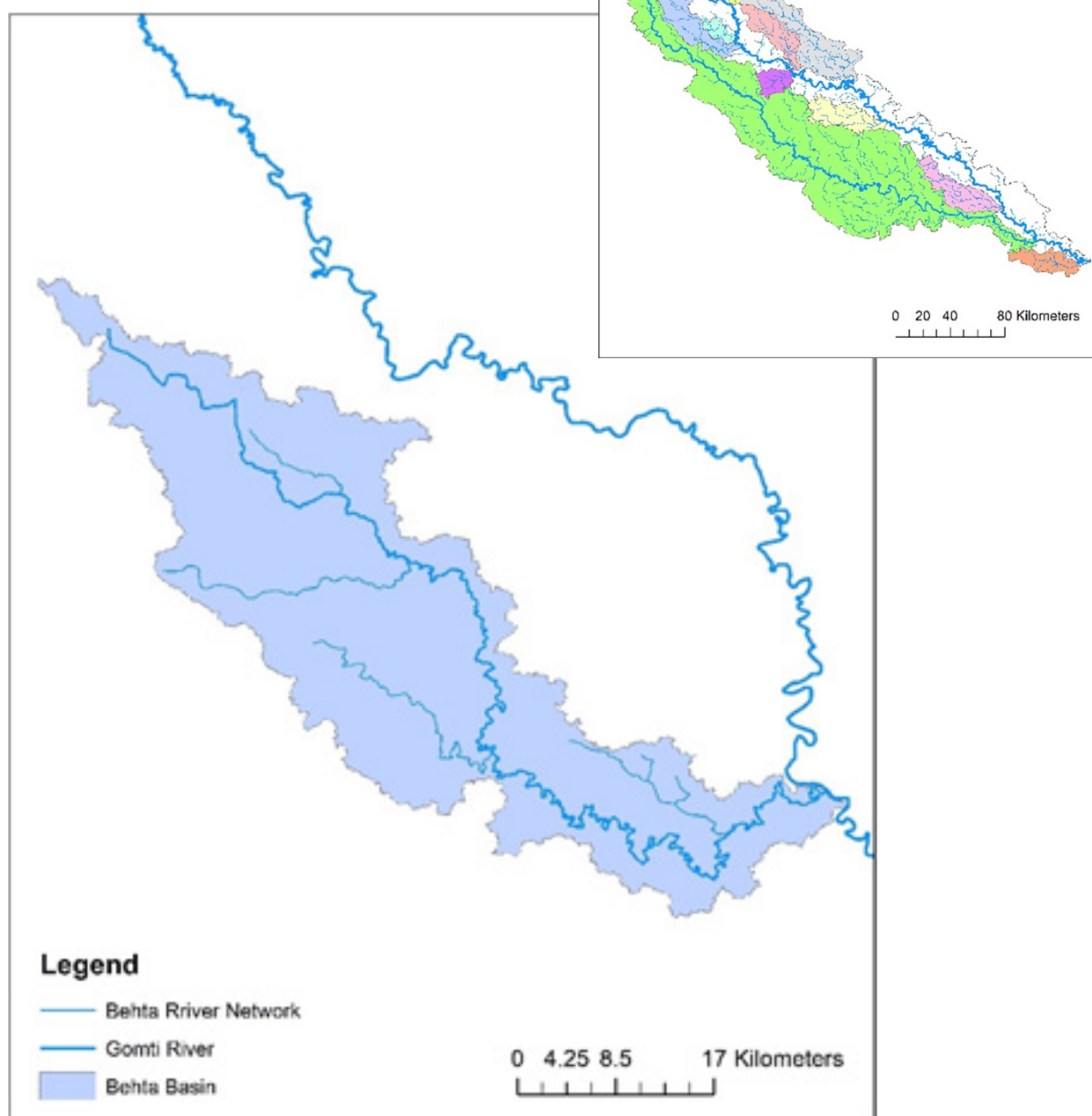


Figure: Behta River Network

BEHTA RIVER MAINSTEM FLOW DIAGRAM

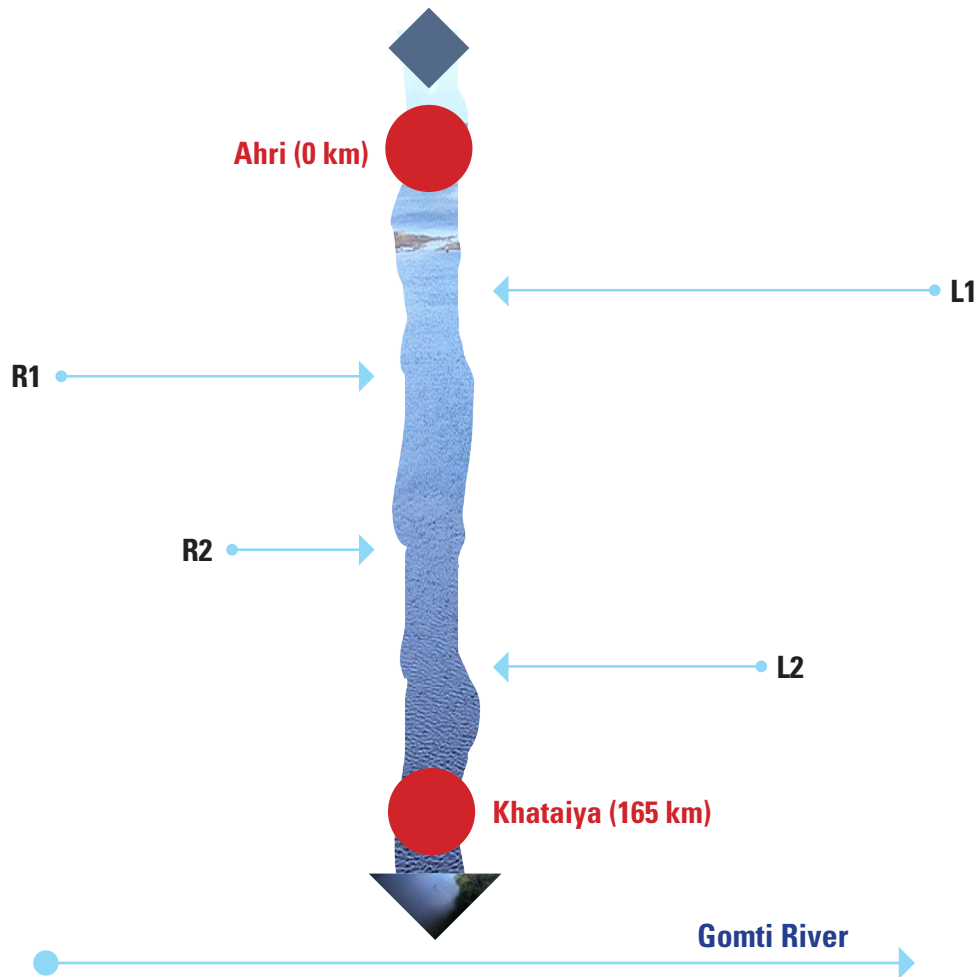


Figure: Flow Diagram of Behta River Network

BEHTA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 1	L1	10.7	27.17	80.48	32.6
2	Loni Drain	R1	26.03	27.12	80.53	44
3	Sakrela Drain	R2	30.8	26.97	80.59	81
4	Panjharia/ Hariharpur Drain	L2	17.6	26.90	80.78	144

JHILINGI BASIN

Jhilingi River UID Code:
Basin Area: 224.67 Sq. Km.
Number of rivers- 05
River network- 88.25 Km

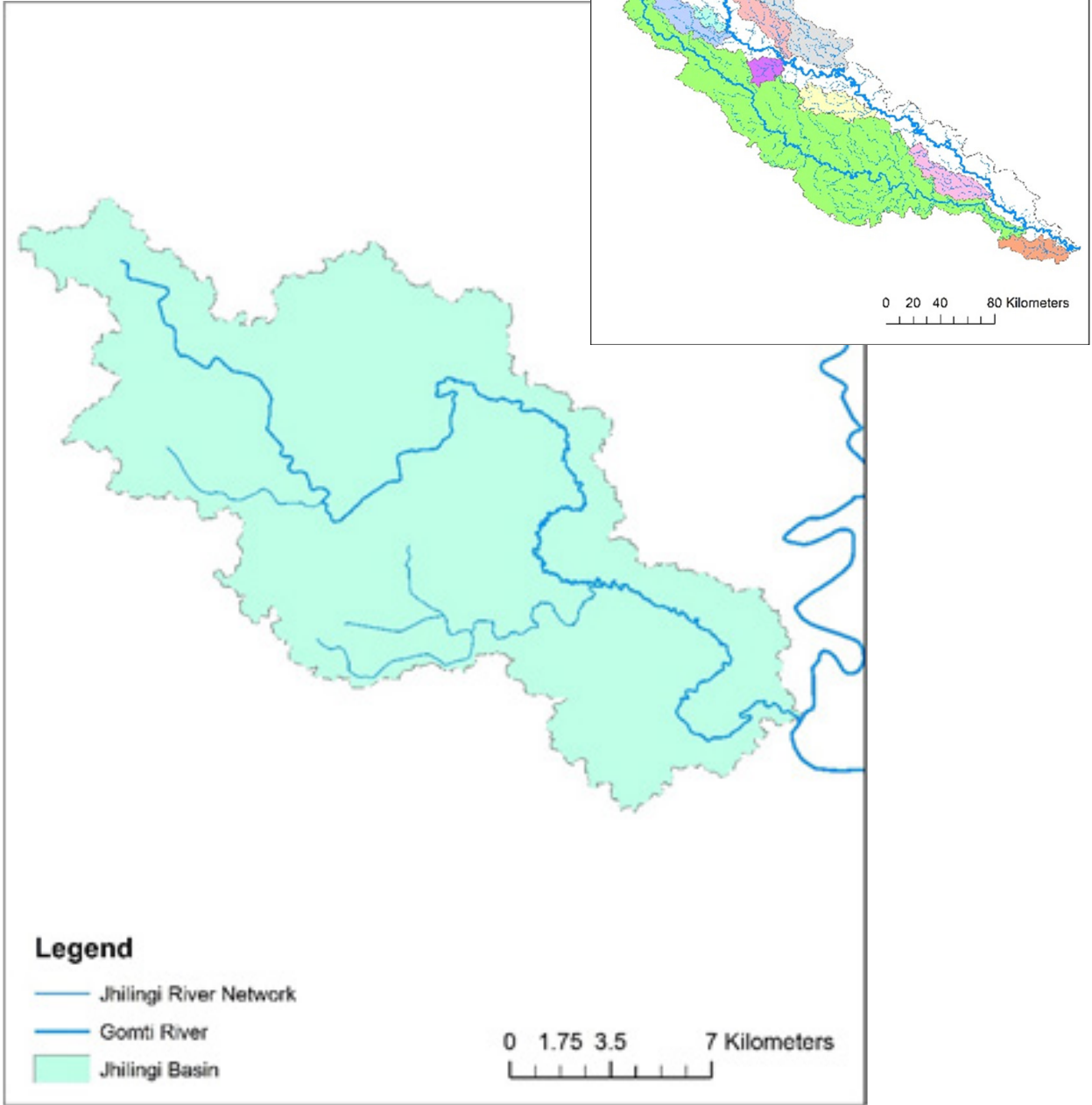


Figure: Jhilingi River Network

JHILINGI RIVER MAINSTEM FLOW DIAGRAM

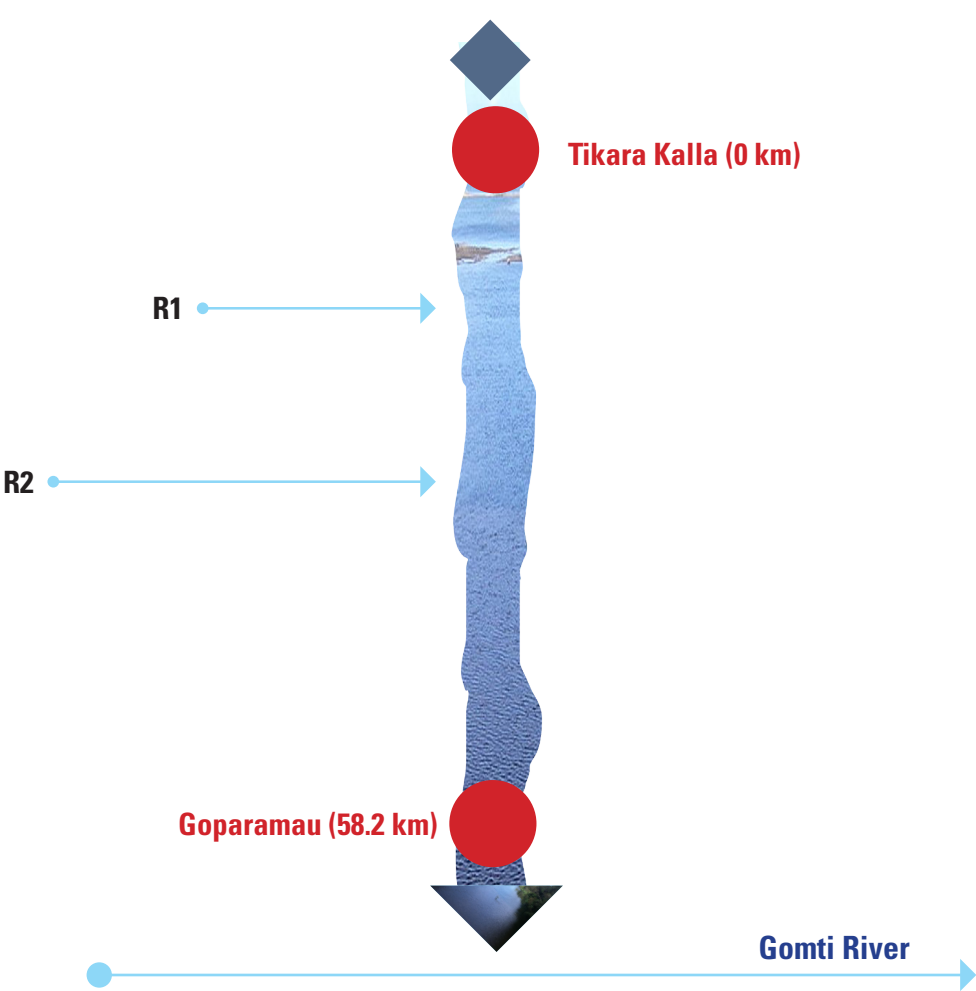


Figure: Flow Diagram of Jhilingi River Network

JHILINGI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Ladhana Drain	R1	6.1	27.03	80.68	13.7
2	Matariya/ Saidpur Drain	R2	13.9	27.00	80.76	41.5

LONI DRAIN BASIN

Loni drain UID Code:
Basin Area: 348.64 Sq. Km.
Number of rivers- 06
River network- 85.5 Km

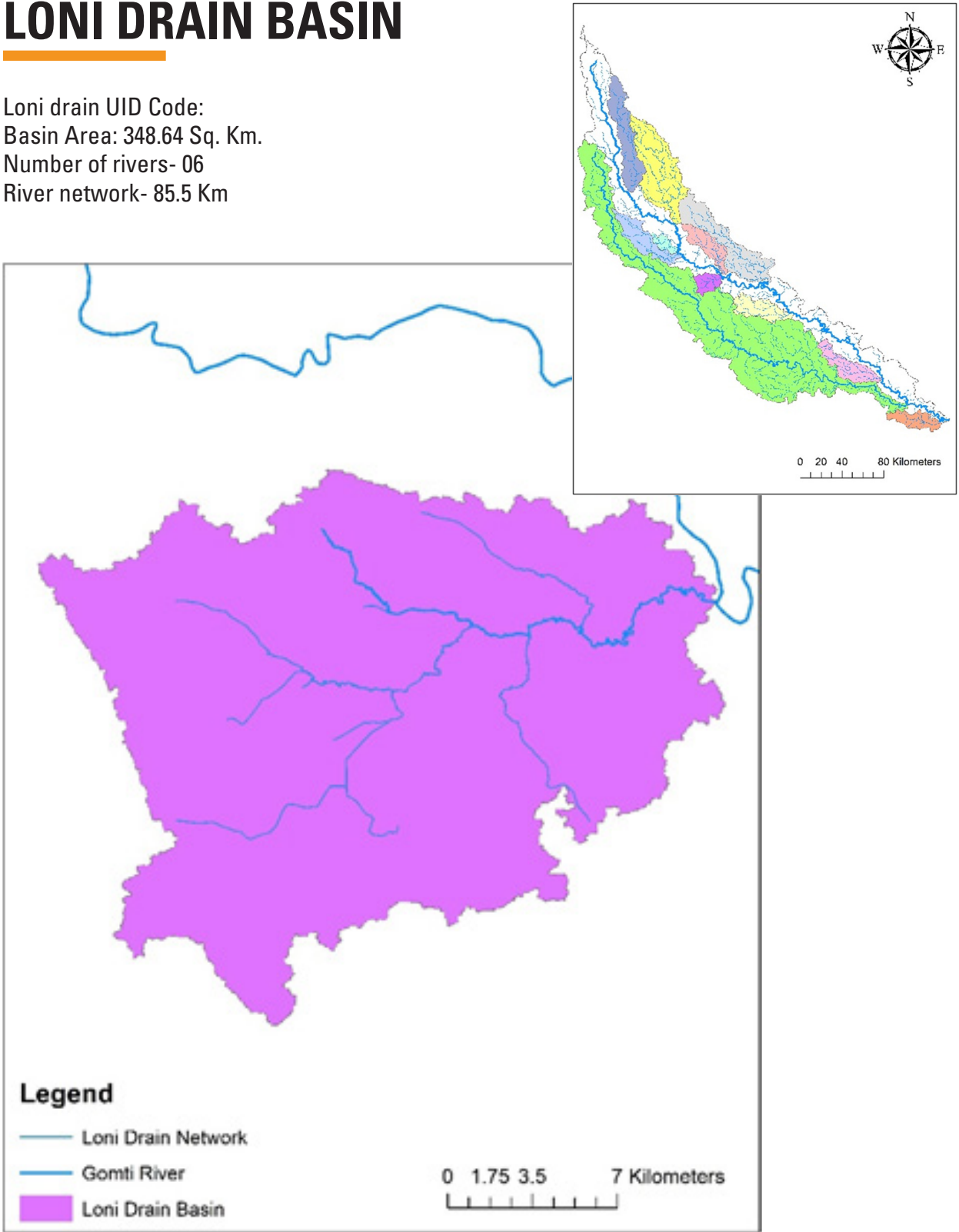


Figure: Loni River Network

LONI DRAIN MAINSTEM FLOW DIAGRAM

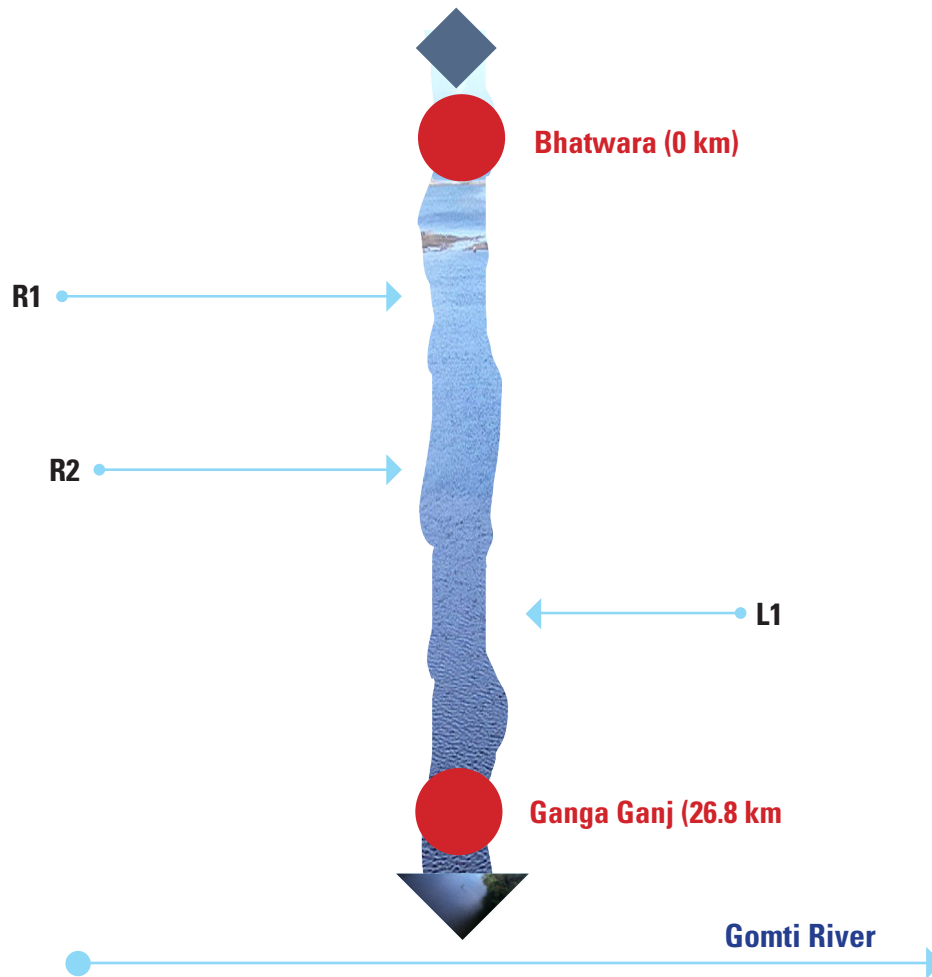


Figure: Flow Diagram of Loni River Network

LONI DRAIN MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Loni Drain 2	R1	11.9	26.72	81.11	9.6
2	Mitauli Drain	R2	11.2	26.72	81.13	12.2
3	Drain	L1	10.2	26.72	81.15	15.3

KANDU DRAIN BASIN

Kandu drain UID Code:
Basin Area: 773.00 Sq. Km.
Number of rivers- 08
River network- 234.4 Km

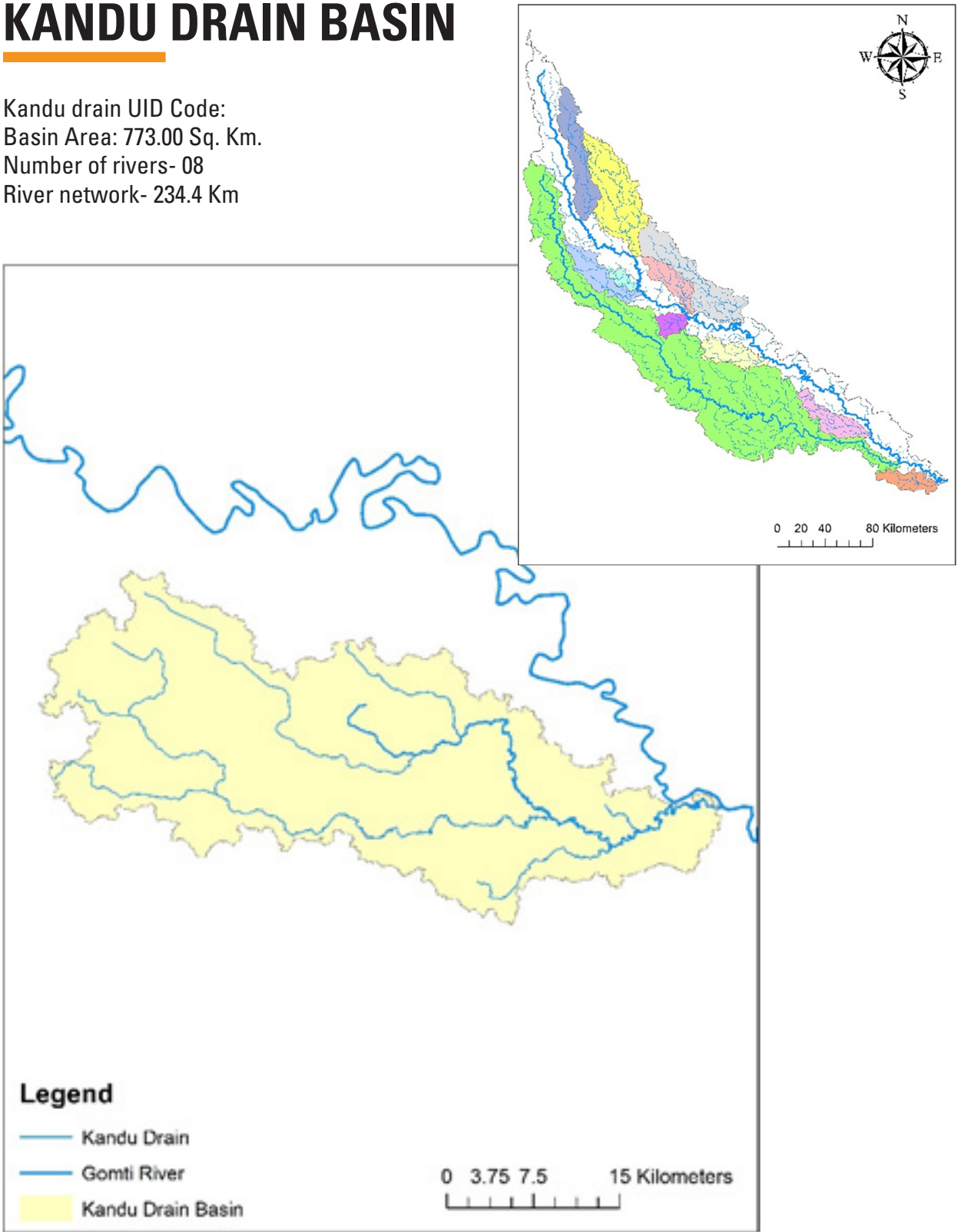


Figure: Kandu River Network

KANDU DRAIN MAINSTEM FLOW DIAGRAM

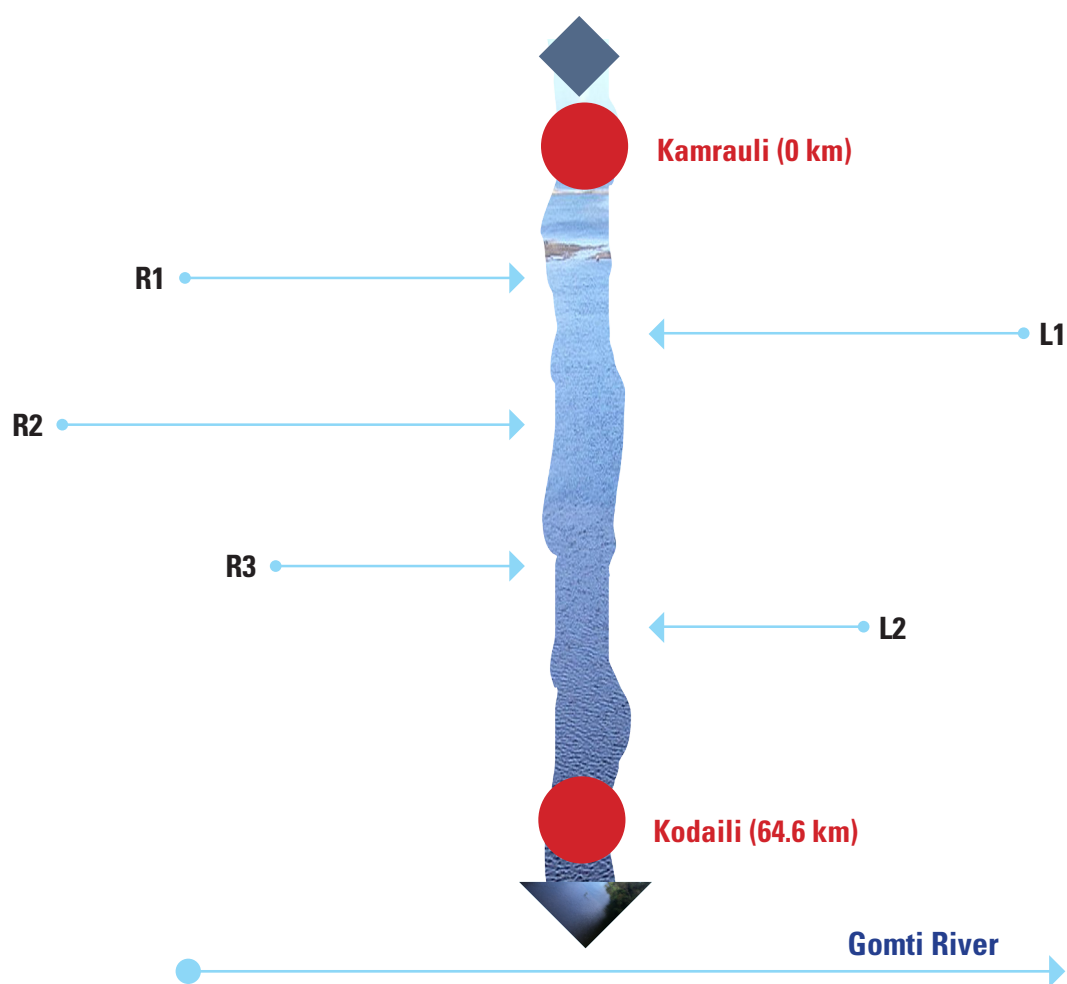


Figure: Flow Diagram of Kandu River Network

KANDU DRAIN MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Inhauna Nala	R1	33.3	26.46	81.58	9.1
2	Stream1	L1	15.6	26.48	81.62	14.3
3	Naiya Drain	R2	66.8	26.42	81.69	35.6
4	Kandu Drain 2	R3	18.7	26.39	81.74	45.4
5	Karahiya Nala	L2	5.3	26.41	81.76	49.7

PILI BASIN

Pili River UID Code:
 Basin Area: 834.76 Sq. Km.
 Number of rivers- 12
 River network- 277.31 Km

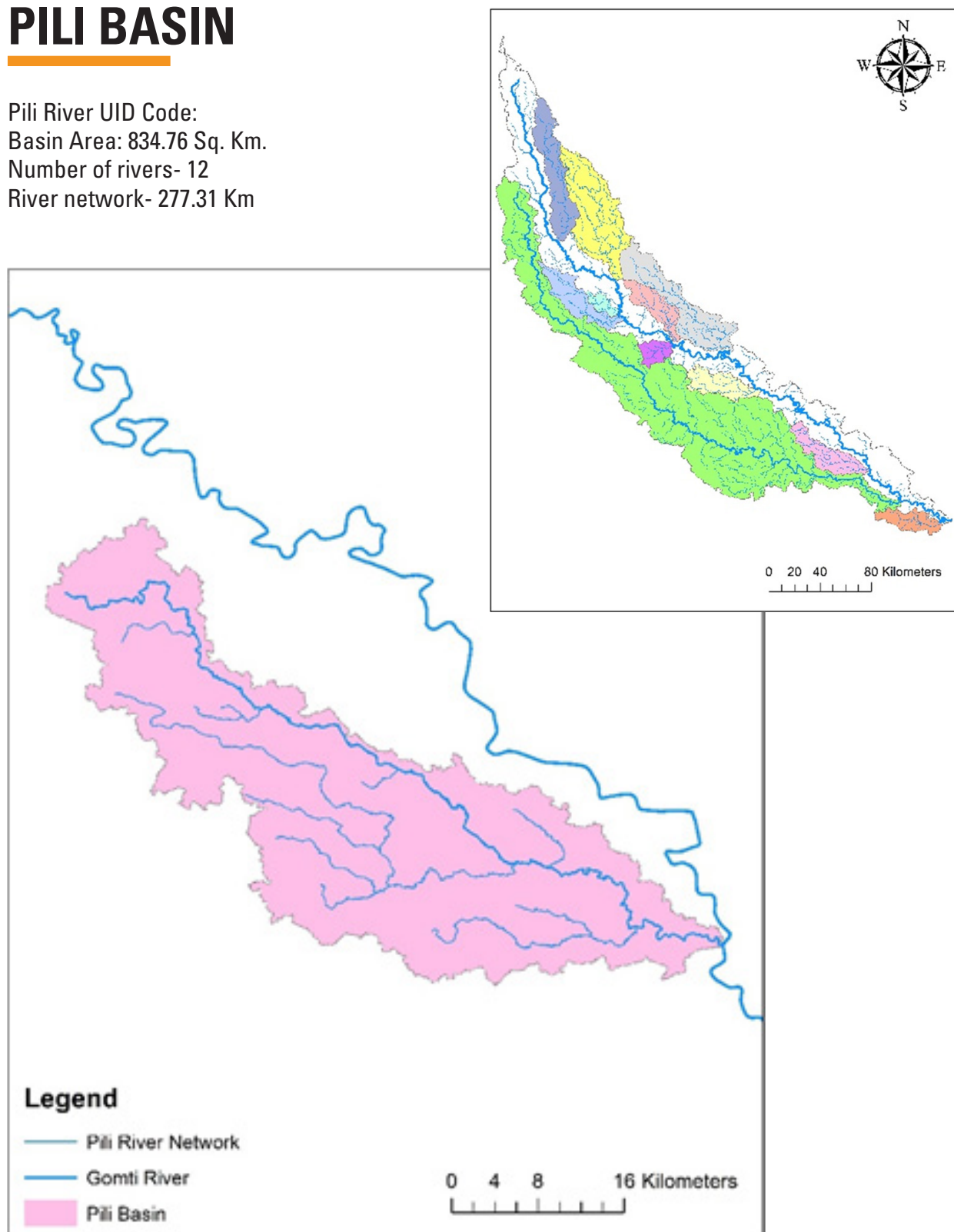


Figure: Pili River Network

PILI RIVER MAINSTEM FLOW DIAGRAM

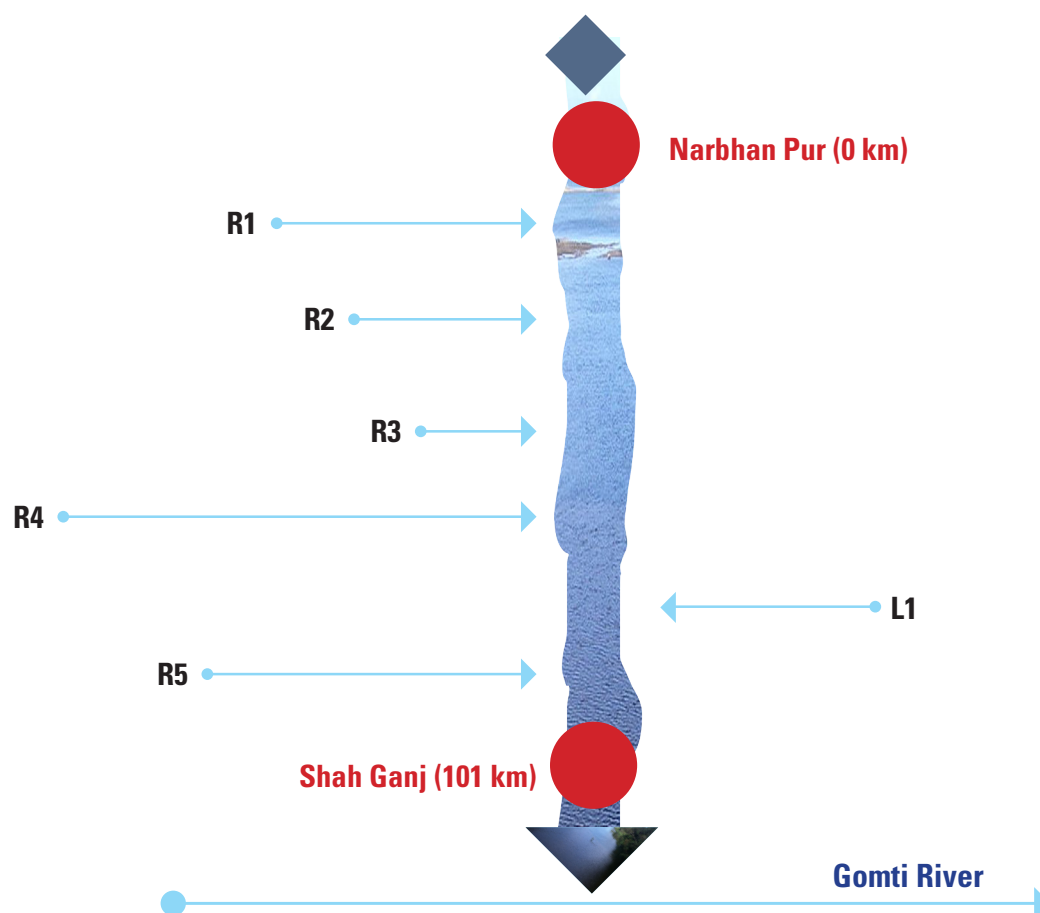


Figure: Flow Diagram of Pili River Network

PILI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 3	R1	8.3	26.11	82.15	21.5
2	Stream 2	R2	5	26.05	82.20	33.6
3	Drain	R3	4.32	26.00	82.32	50.8
4	Tambura Drain	R4	63.2	25.92	82.41	68.5
5	Stream1	L1	10.8	25.92	82.44	72.8
6	Lakhia/Kaliyara Drain	R5	30.6	25.87	82.52	88.6

NAND BASIN

Nand River UID Code:
 Basin Area: 554.10 Sq. Km.
 Number of rivers- 08
 River network- 154.07 Km

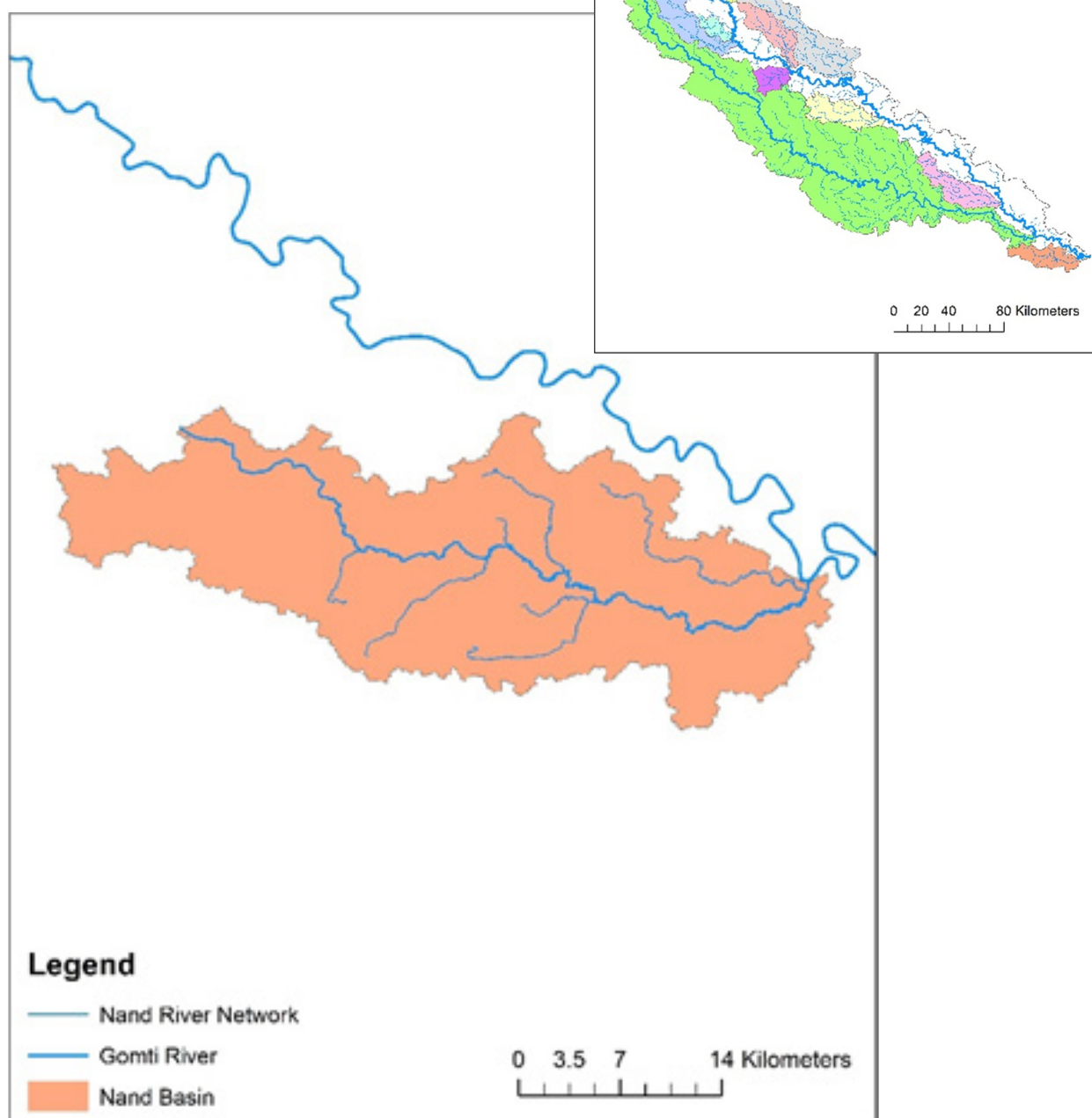


Figure: Nand River Network

NAND RIVER MAINSTEM FLOW DIAGRAM

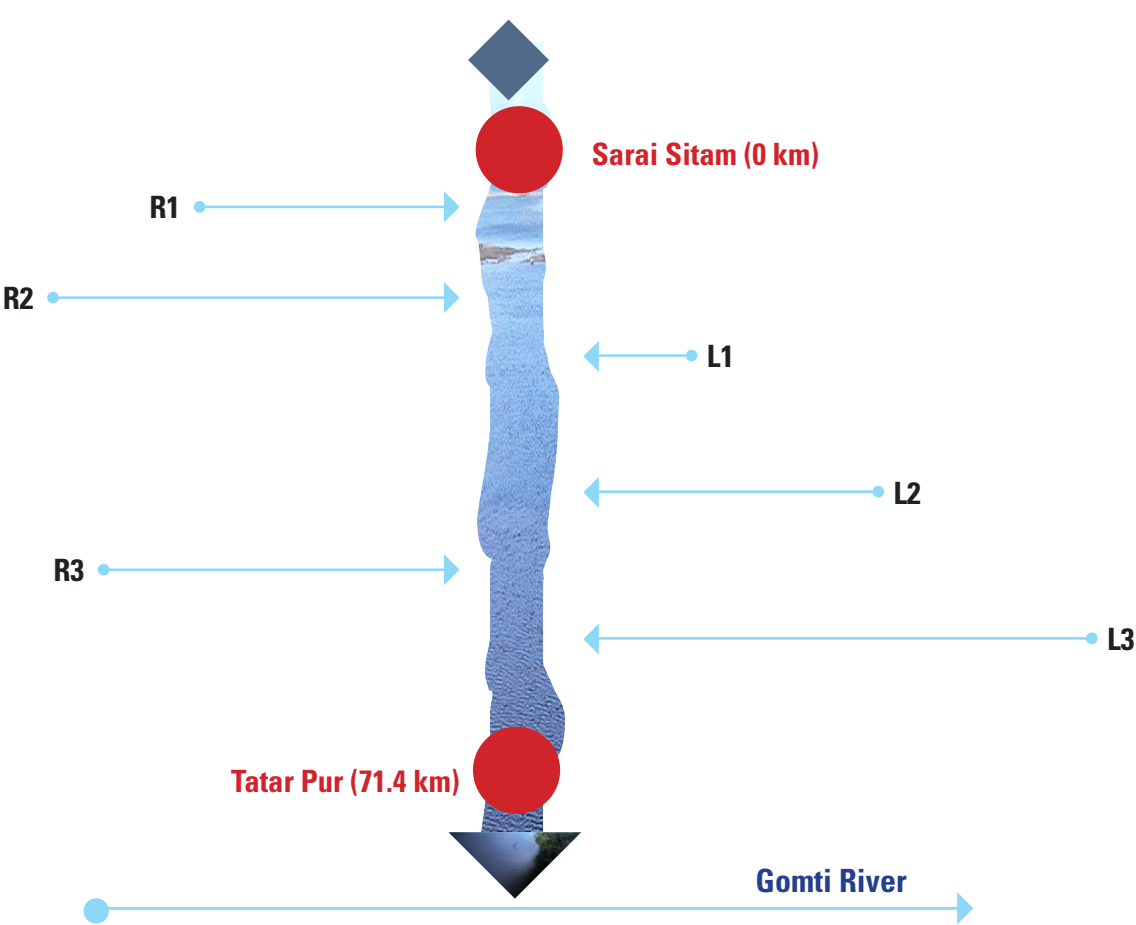
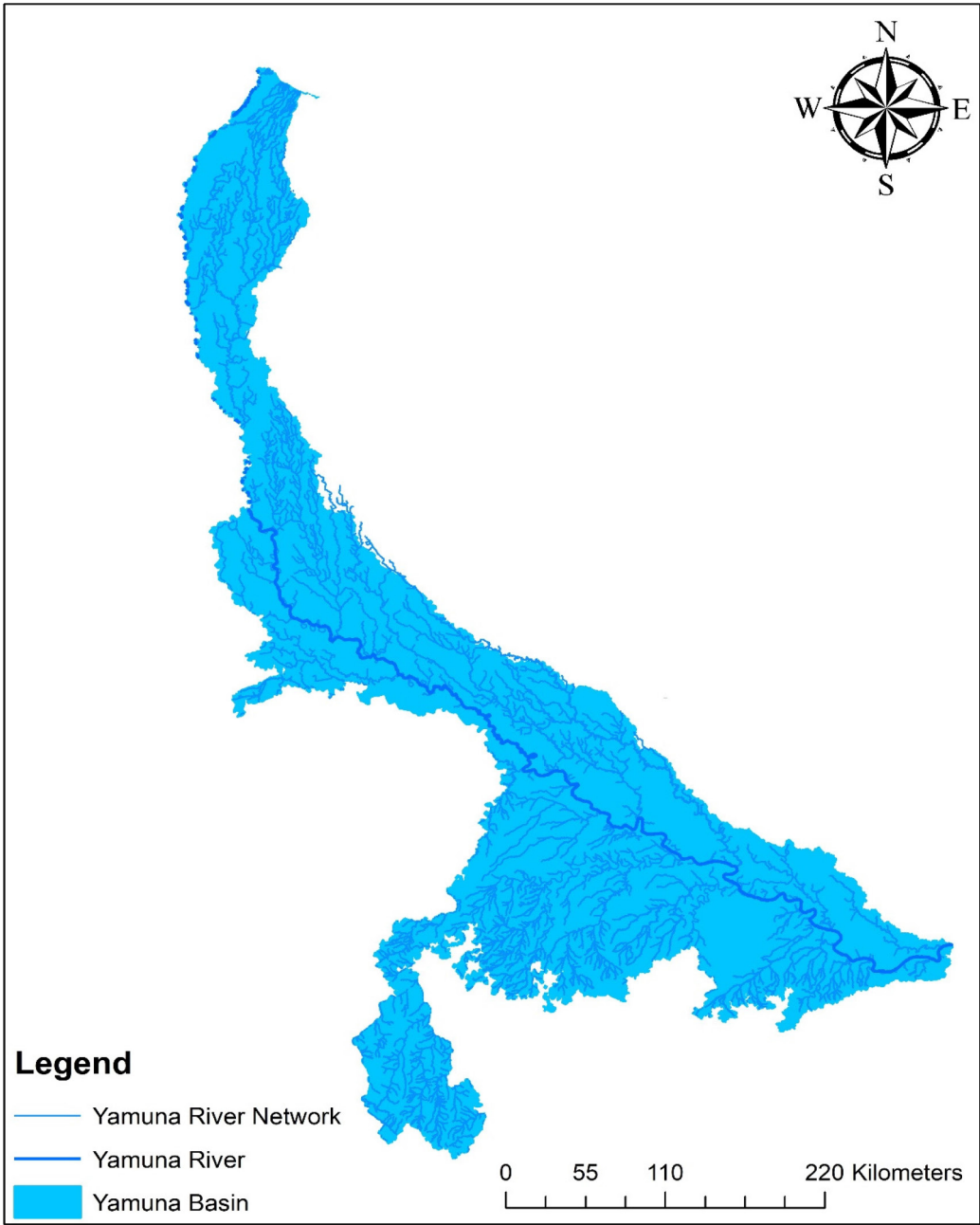


Figure: Flow Diagram of Nand River Network

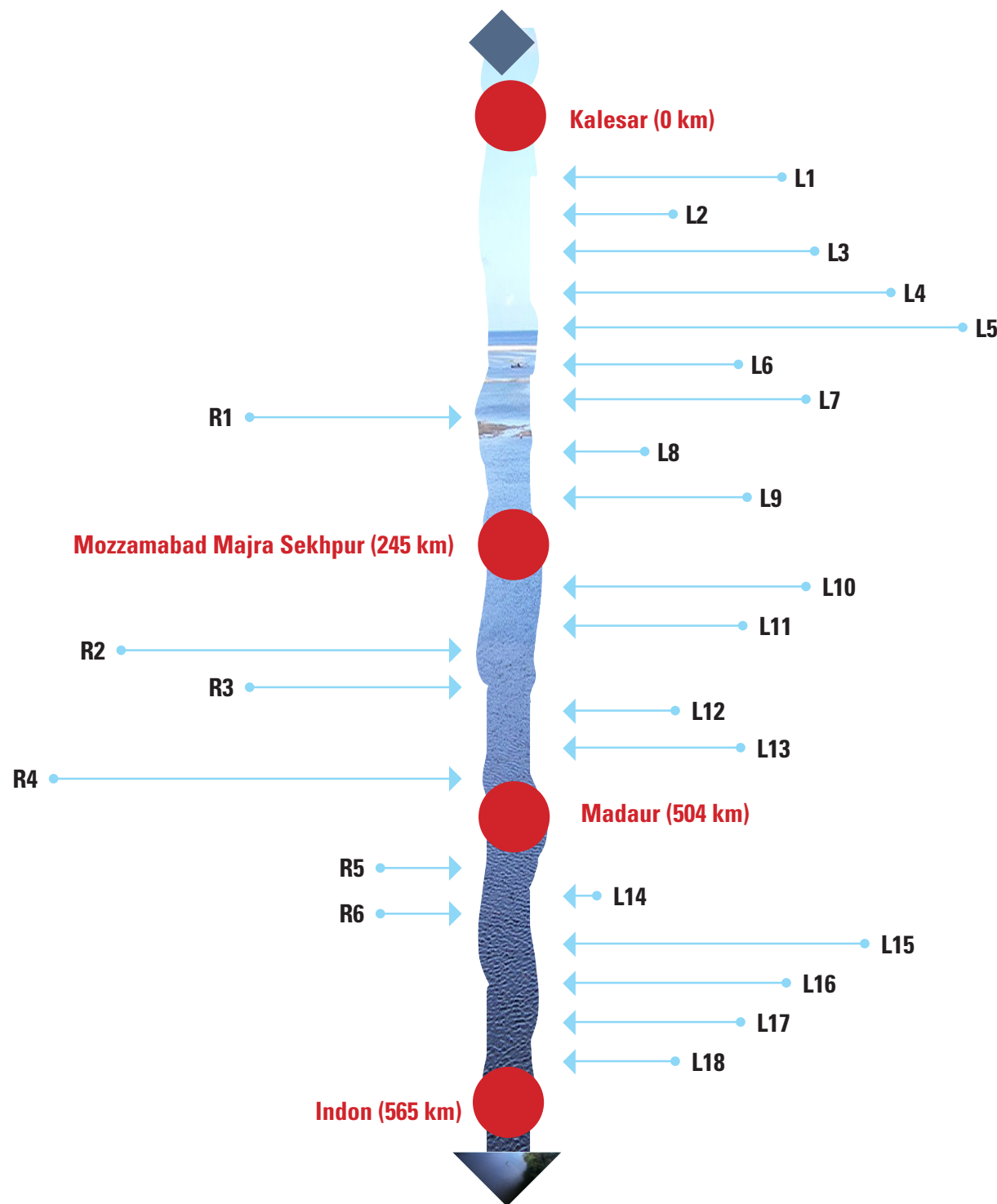
NAND RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream5	R1	6.46	25.51	82.81	19.6
2	Stream4	R2	13	25.51	82.89	31.1
3	Stream 3	L1	2.66	25.51	82.90	33.9
4	Stream 2	L2	14	25.50	82.94	41
5	Stream 1	R3	13	25.48	82.96	47.3
6	Atthi Drain	L3	26.6	25.48	83.09	70.45

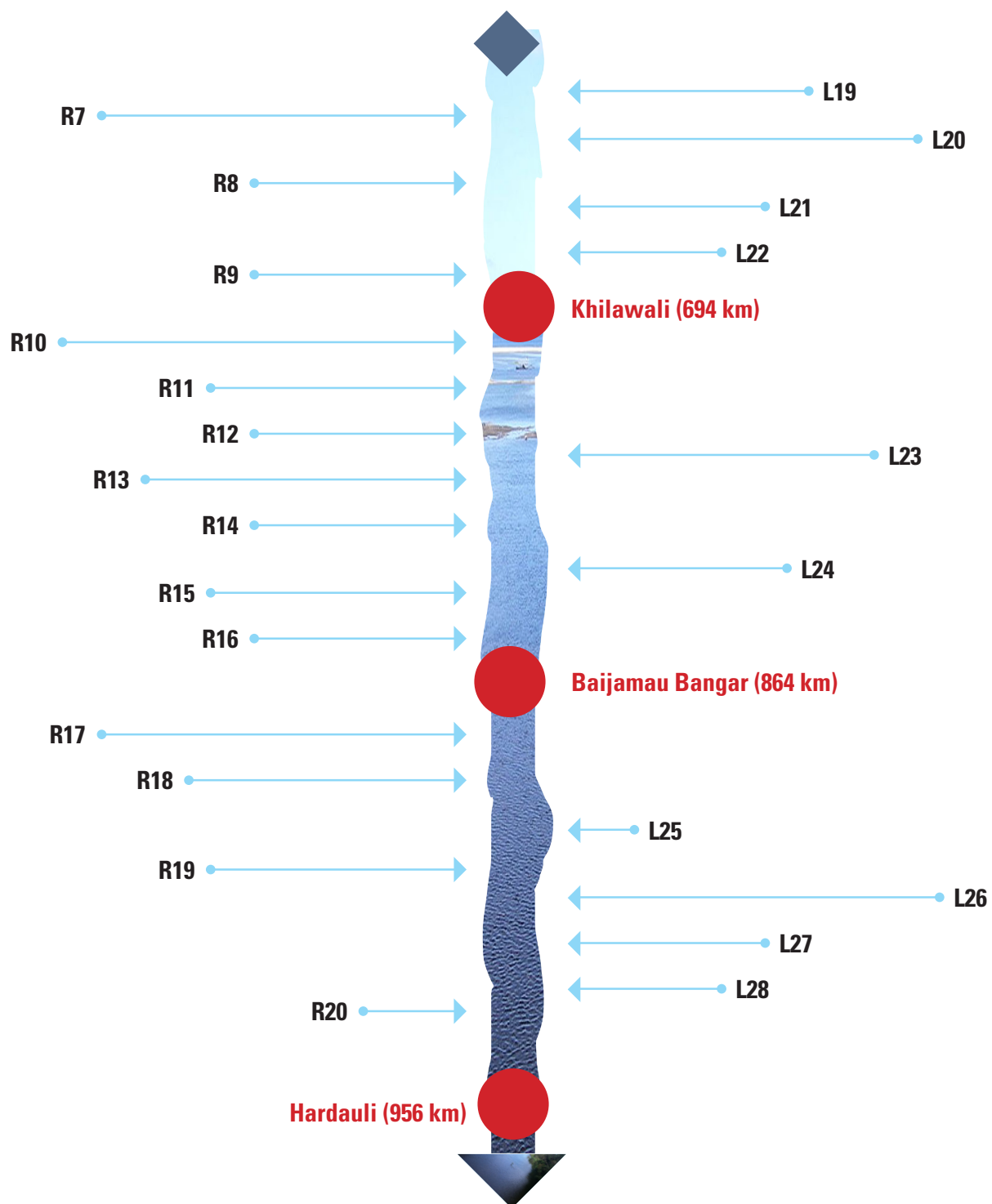
YAMUNA BASIN AND ITS RIVER NETWORK

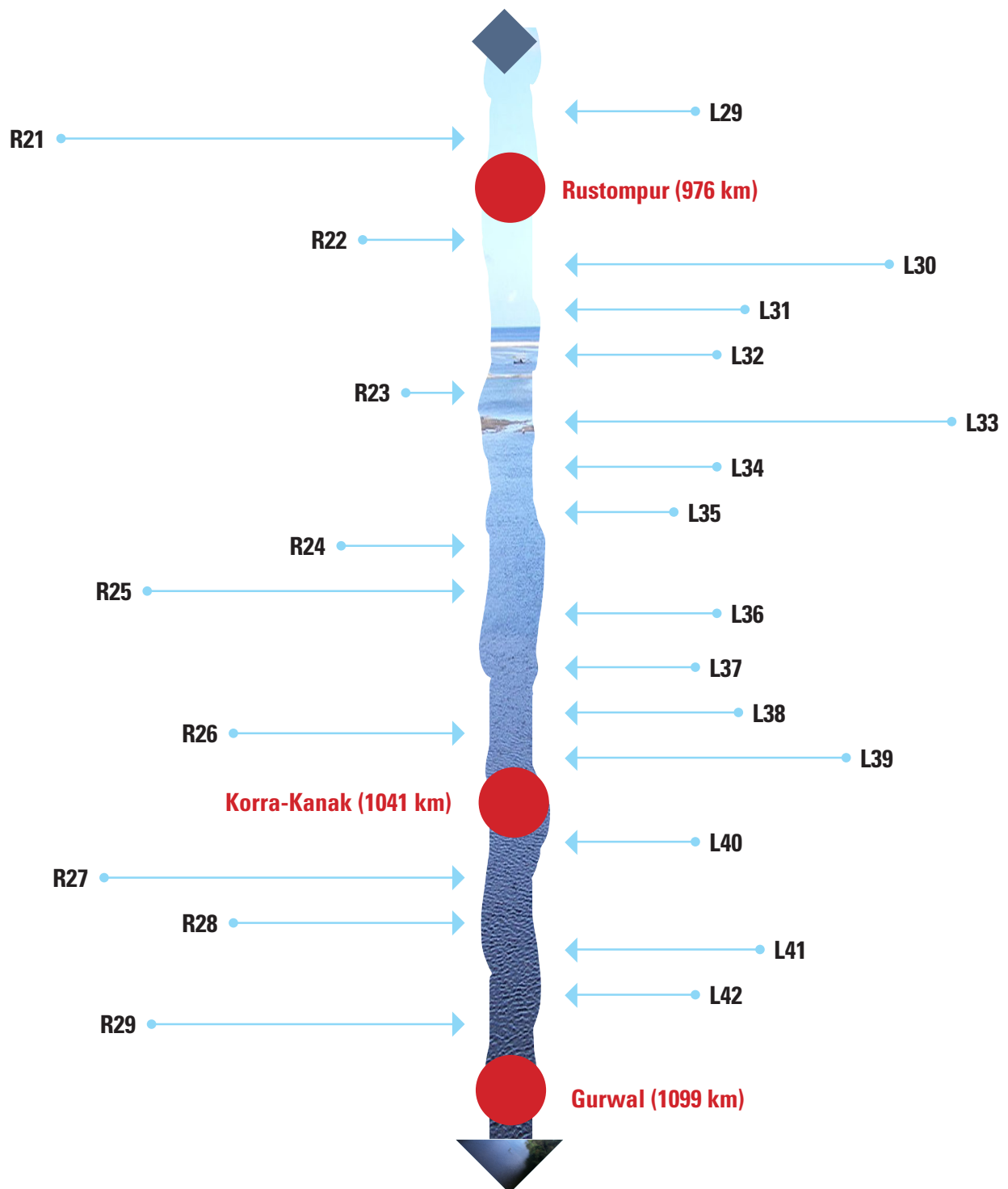
Yamuna River UID Code:
Basin Area: 68372.20 Sq. Km.
Number of rivers: 1213
River network: 18892.77 Km

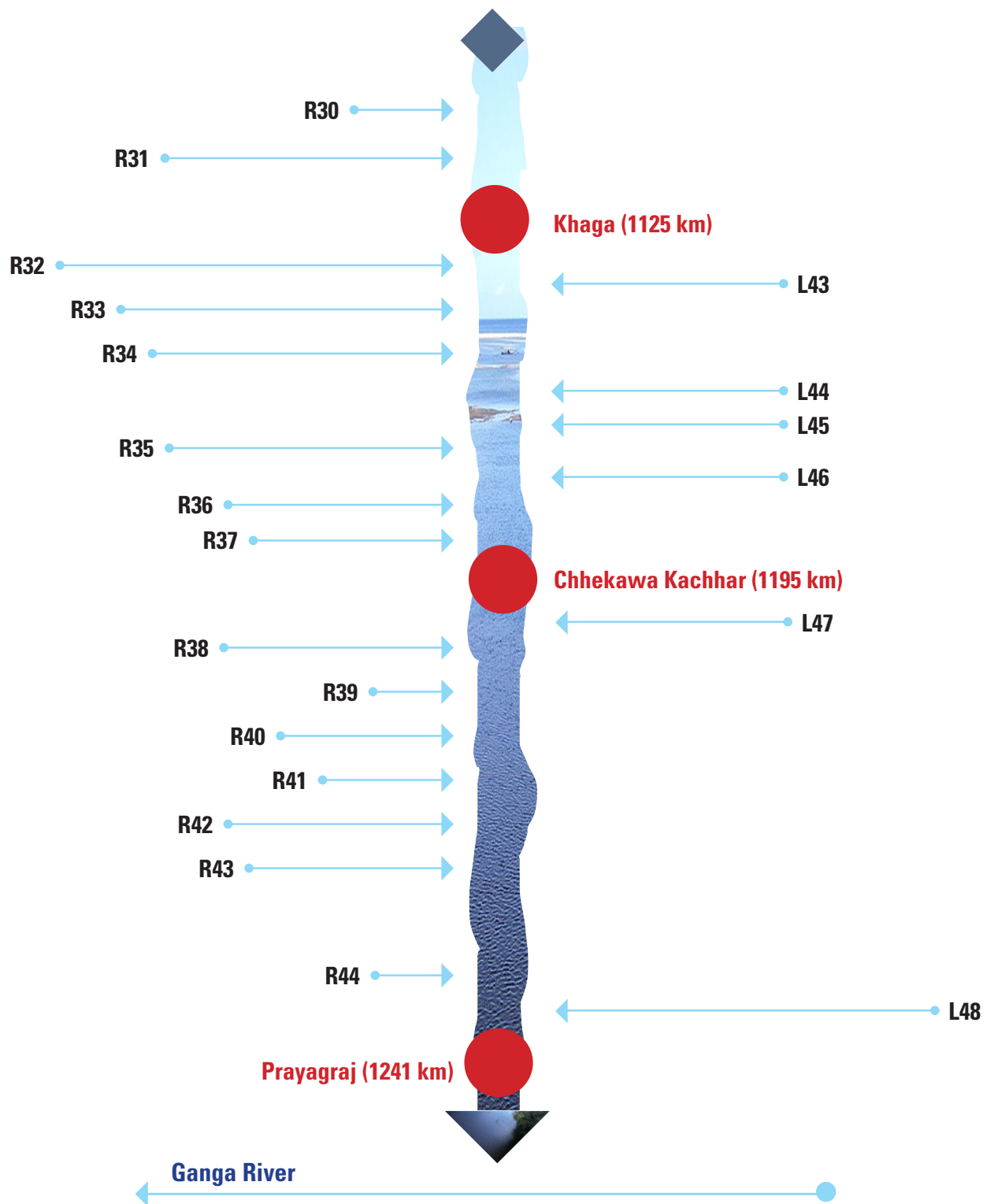


YAMUNA RIVER MAINSTEM FLOW DIAGRAM









YAMUNA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Karaundiwala Rao	L1	12	30.35	77.59	5.26
2	Gejra rao	L2	11.9	30.32	77.58	7.29
3	Drain 26	L3	36.8	30.10	77.39	39.6
4	Maskara River	L4	76.1	30.07	77.36	44.7
5	Katha River	L5	98.4	29.39	77.15	141
6	Lumb Drain or Unchagaon Drain	L6	24	29.21	77.14	165
7	Natural or Kirthal Drain	L7	27.5	29.06	77.17	184
8	Bhuriya Nala or Tilpat Drain	R1	30.5	28.38	77.49	240.9
9	Bhuriya Nala	L8	9.6	28.27	77.50	255.5
10	Kunda Nala	L9	12.5	27.94	77.54	304.2
11	Patwala Nala,Pisawa Drain	L10	48	27.80	77.70	346
12	Bulandpur or Nimgaon Drain	L11	17.3	27.69	77.71	361
13	Kosi Arterial Drain	R2	48.7	27.58	77.69	382
14	Drain 15	R3	35.8	27.51	77.68	396
15	Mahaban Drain	L12	10.7	27.48	77.71	401
16	Bandi Drain	L13	12.4	27.38	77.81	424
17	Goverdhan Drain	R4	80.8	27.31	77.80	434
18	Stream 1	R5	2.1	27.18	78.05	504
19	Stream 2	L14	1.64	27.19	78.06	505.8
20	Stream 3	R6	2.1	27.19	78.06	506

YAMUNA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
21	Drain 13 Kanwan Nadi	L15	64.3	27.20	78.08	508
22	Kasaundi Nala	L16	26.8	27.11	78.24	545
23	Jhirna Nala	L17	16.8	27.12	78.30	555
24	Stream 4	L18	11.8	27.12	78.37	565
25	Ganda Nala	L19	12.3	27.06	78.38	588
26	Utangan River	R7	82.7	26.98	78.45	602
27	Nadiya or Jharna Nala	L20	29.2	26.91	78.63	653
28	Stream 5	R8	9.87	26.88	78.66	657
29	Stream 6	L21	11.9	26.92	78.74	675
30	Balrai Escape	L22	10.7	26.88	78.78	681
31	Stream 7	R9	8.46	26.81	78.85	694
32	Chambal River	R10	156	26.49	79.25	795
33	Sindh River	R11	14	26.44	79.21	806
34	Kurar Nala	R12	11.4	26.44	79.28	812
35	Khanki Nala/ Stream 8	L23	21.3	26.43	79.43	814
36	Kanyar Nala	R13	35.8	26.09	79.91	831
37	Dhasak Nala	R14	11.5	26.39	79.49	842
38	Taiku Nala	L24	8.55	26.37	79.50	844
39	Lohai Nala	R15	21.4	26.35	79.52	847
40	Bhitari Nala	R16	12.7	26.28	79.54	864
41	Drain 9	R17	79	26.19	79.70	885
42	Rayar Nala	R18	35.5	26.11	79.78	902
43	karka Nala	L25	3.58	26.11	79.86	910
44	Kanyar Nala	R19	35.8	26.09	79.91	916

YAMUNA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
45	Senger River	L26	323	26.16	79.94	925
46	Nahar Nala	L27	10.5	26.14	79.97	930
47	Stream 9	L28	9.3	26.04	80.11	954
48	Stream 10	R20	6.95	26.02	80.10	956
49	Jehra Nala	L29	8.1	25.96	80.16	968
50	Betwa River	R21	251	25.92	80.22	976
51	Baredi Nala	R22	7.53	25.90	80.29	985
52	Drain 6 Non Nadi	L30	131	25.91	80.36	994
53	Achhuiya Nala	L31	11.3	25.91	80.38	995
54	Madhurayal Nala	L32	9.86	25.90	80.48	1006
55	Havya Nala	R23	2.93	25.88	80.52	1010
56	Rind River	L33	687	25.88	80.55	1013
57	Harha Nala	L34	9.48	25.85	80.55	1016.5
58	Bokarha Nala	L35	5.41	25.84	80.54	1017
59	Gupla Nala	R24	7.93	25.82	80.47	1026
60	Ken River	R25	151	25.77	80.53	1035
61	Paniha Nala	L36	8.95	25.78	80.56	1038
62	Chhalauli Nala	L37	8.5	25.78	80.58	1040
63	Supa Nala	L38	9.34	25.77	80.58	1041
64	Stream 11	R26	15	25.73	80.57	1044
65	Sahura Nala	L39	25.3	25.71	80.64	1045
66	Karon Nala	L40	6.72	25.71	80.65	1055
67	Drain 5	R27	96.7	25.68	80.71	1061
68	Pachhimi Nala	R28	16.9	25.68	80.72	1062
69	Stream 12	L41	14.9	25.72	80.82	1074
70	Mohanda Nala	L42	10	25.69	80.93	1088

YAMUNA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
71	Rewai Nadi,Gagal Nala	R29	52.5	25.62	80.95	1098
72	Sarwa Nala	R30	6.93	25.61	80.96	1099
73	Mohda Nala	R31	20.3	25.57	81.00	1115
74	Baghain River	R32	115	25.55	81.02	1119
75	Saur Khaderi Nadi No.2	L43	132	25.51	81.12	1131
76	Paisuni River	R33	84.7	25.42	81.15	1148
77	Gunta River	R34	50.1	25.34	81.25	1163
78	Kalla Nala	L44	9.14	25.34	81.31	1170
79	Pali Nala	L45	5.34	25.34	81.36	1175
80	Kharsaha Nala	R35	35.6	25.34	81.38	1177
81	Satra Nala	L46	5.12	25.33	81.39	1178
82	Kachhar Nala	R36	17.1	25.28	81.39	1184
83	Barera nala	R37	14.8	25.26	81.45	1192
84	Gangiwa Nala or Deodagha Nala	R38	15.1	25.27	81.51	1198
85	Drain 1	L47	72	25.28	81.53	1200
86	Bahnar Nala	R39	3.96	25.28	81.53	1201
87	Bundela Nala	R40	10.3	25.29	81.55	1202
88	Sarauli River	R41	8.37	25.32	81.58	1207
89	Jhagrabaria Nala	R42	36	25.35	81.75	1225
90	Gahera Nala	R43	30	25.33	81.78	1228
91	Stream 13	R44	3.1	25.36	81.81	1235
92	Sasur khaderi Nadi	L48	171	25.40	81.81	1241

HINDON BASIN AND ITS RIVER NETWORK

Hindon River UID Code:

Basin Area: 6950.04 Sq. Km.

Major Rivers: Krishni, Kali West, Dhamola, Nagdehi

Number of rivers- 231

River network- 2150 Km

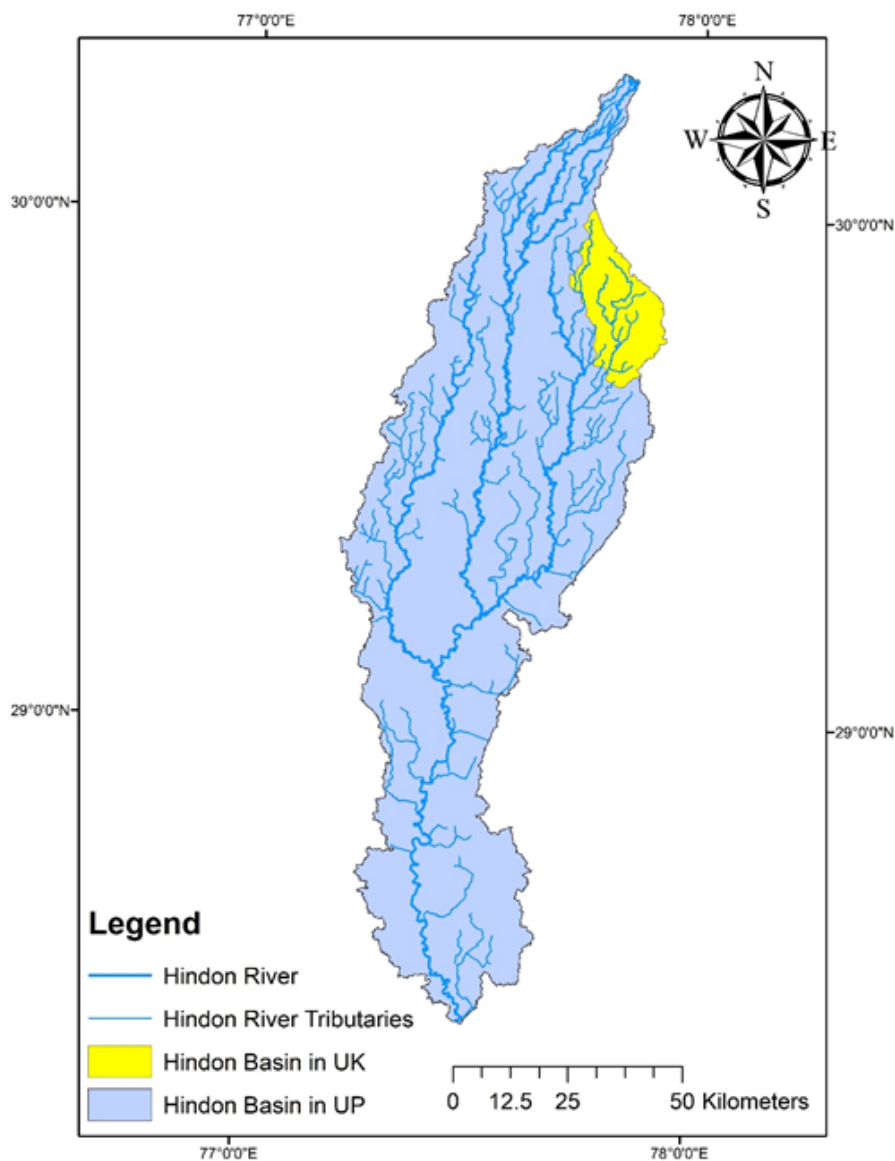
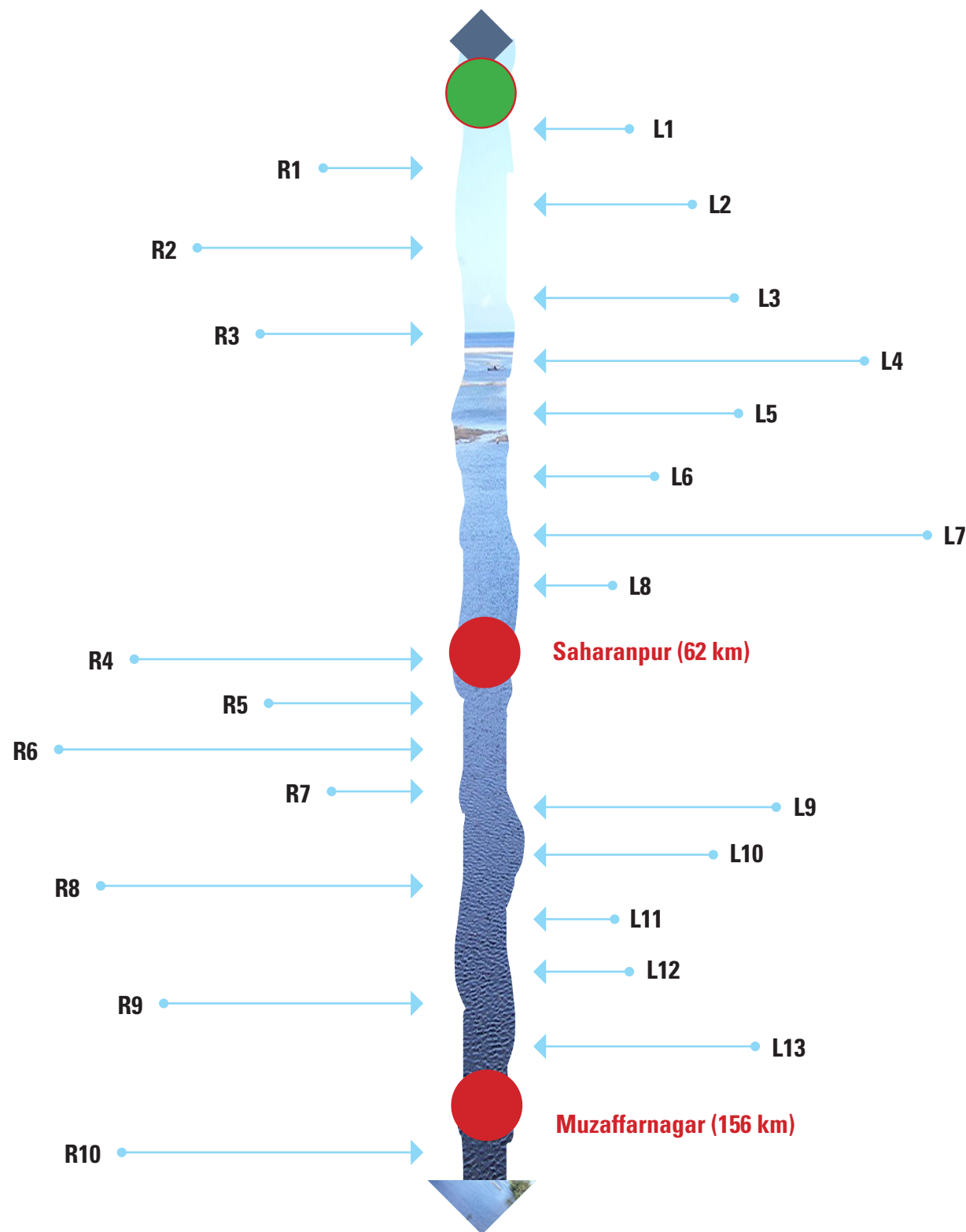


Figure: Hindon basin river network.

HINDON RIVER MAINSTIM FLOW DIAGRAM



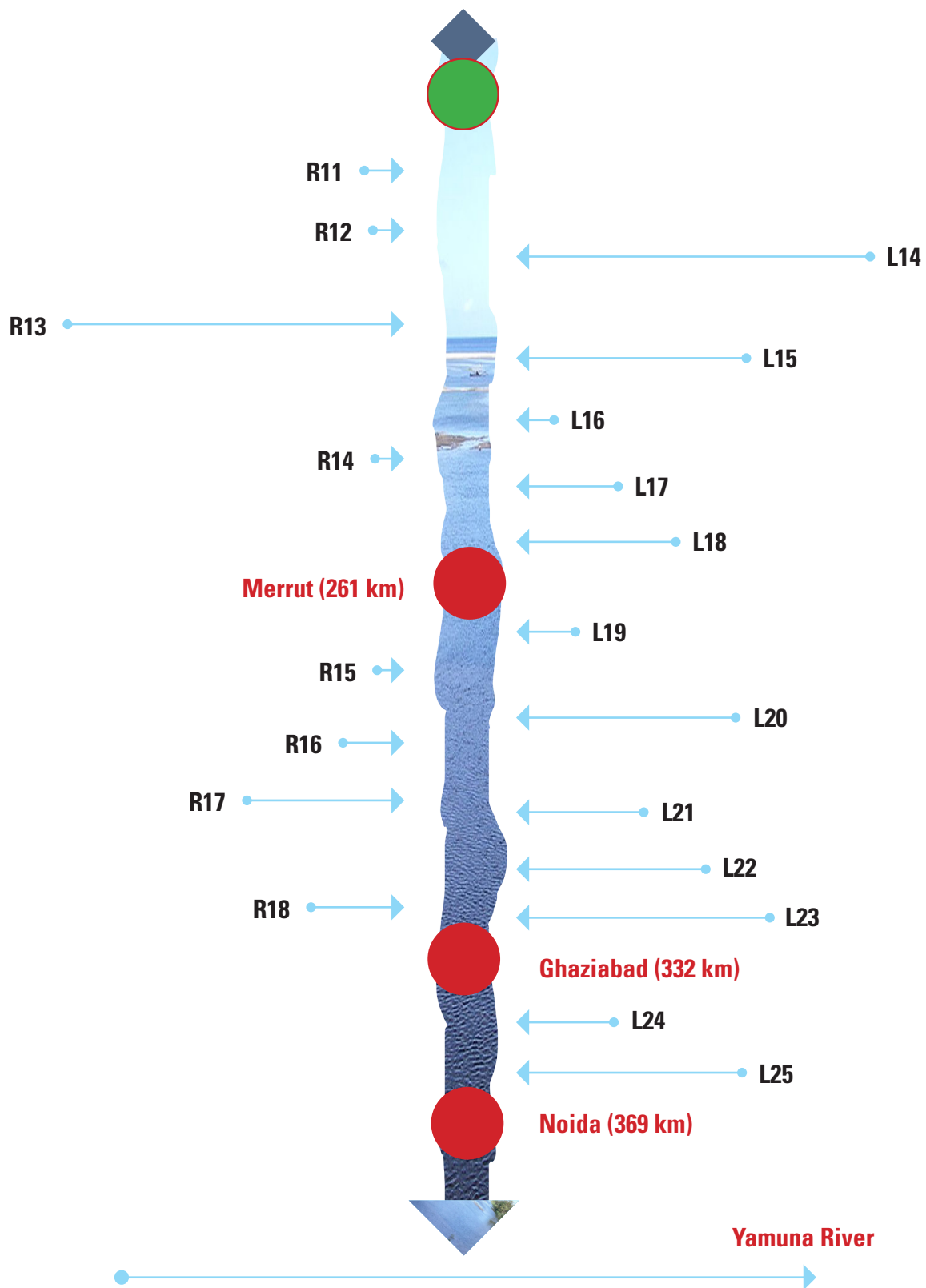


Figure: Flow diagram of Hinon River

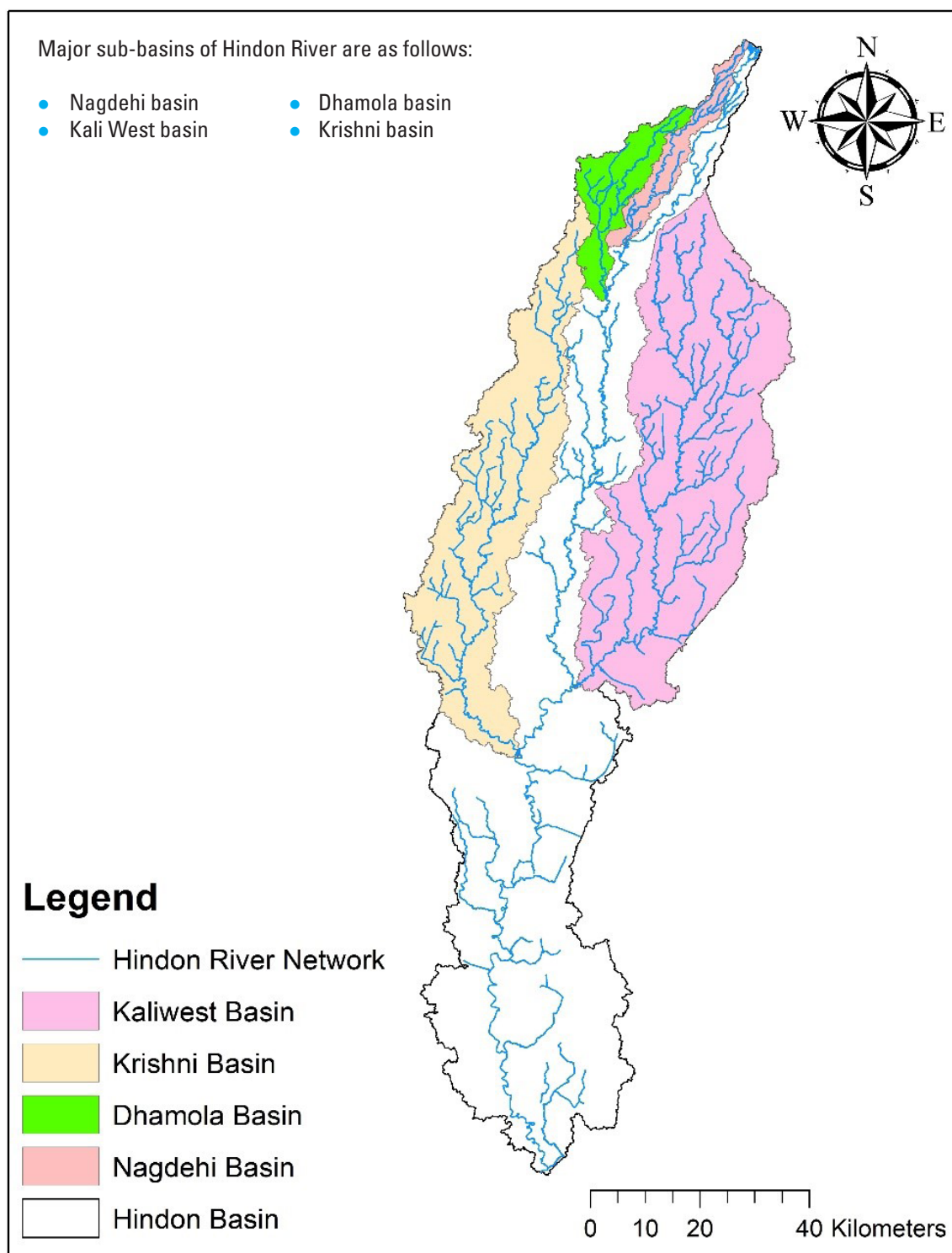
HINDON RIVER MAINSTEM NETWORK

River Name	Confluence Bank	River Length (km)	Co-ordinates		Distance from origin (Km)
			lat	log	
Stream 21	L1	0.94	30.265778°	77.840010°	2
Stream 20	R1	1.56	30.262496°	77.837769°	2
Stream 19	L2	1.35	30.257788°	77.836460°	3
Stream 18	R2	3.8	30.253027°	77.824859°	5
Stream 17	L3	3.51	30.196535°	77.797842°	14
Stream 16	R3	2.95	30.183358°	77.785525°	16
Stream 15	L4	7.1	30.163968°	77.780302°	18
Stream 14	L5	4.62	30.158175°	77.780921°	19
Stream 13	L6	2.13	30.139961°	77.767820°	21
Hindon 2nd Path	L7	9.12	30.060651°	77.729133°	35
Stream 12	L8	1.71	30.047163°	77.729320°	37
Nagdev Nadi	R4	50.5	29.942810°	77.605265°	62
Star Paper Mill	R5	2.58	29.924266°	77.590370°	66
Dhamola River	R6	56.5	29.855069°	77.567477°	80
Pahansu Escape	R7	3.79	29.822713°	77.553834°	87
Stream 11	L9	11	29.773664°	77.576769°	95
Stream 10	L10	6.12	29.612360°	77.572099°	127
Khala Nala Or Chakwali Nala	R8	36	29.605215°	77.551802°	131
Stream 9	L11	2.26	29.565542°	77.560887°	138
Chartawal Escape	L12	2.89	29.548044°	77.551392°	142
Sluice Drain	R9	13.4	29.538037°	77.536104°	144
Khusrapur Drain	L13	9.33	29.480393°	77.520290°	156
Muhammadpur Drain	R10	13.8	29.369251°	77.496127°	179

HINDON RIVER MAINSTEM NETWORK					
River Name	Confluence Bank	River Length (km)	Co-ordinates		Distance from origin (Km)
			lat	log	
Stream 8	R11	0.42	29.295077°	77.476984°	192
Stream 7	R12	0.19	29.287640°	77.481538°	193
Kali west	L14	159	29.214286°	77.532712°	207
Krishni River	R13	162	29.101721°	77.431004°	235
Sardhana Drain	L15	22.5	29.074696°	77.462824°	242
Stream 6	L16	1.92	29.052149°	77.454547°	246
Stream 5	R14	0.94	29.031950°	77.450556°	251
Stream 4	L17	3.56	28.986058°	77.470577°	259
Jani Esacpe	L18	9.27	28.973857°	77.466354°	261
Stream 3	L19	2.88	28.923475°	77.458458°	268
Stream 2	R15	0.45	28.922361°	77.438220°	270
Siwal Drain	L20	15	28.884097°	77.428992°	274.9
Terha Drain	R16	22.8	28.883796°	77.404162°	277.7
Daula Drain	R17	23.6	28.820338°	77.395927°	289.2
Sonda Drain	L21	7.46	28.767288°	77.429544°	300.6
Bhikampur Drain	L22	12	28.760010°	77.423272°	301.7
Jauli Drain	R18	5.42	28.740327°	77.387471°	309.2
Dasna Drain	L23	25.1	28.606762°	77.421859°	331.9
Stream 1	L24	0.54	28.572675°	77.422638°	336.6
Lohiya River	L25	28.5	28.417860°	77.506326°	369.2



HINDON BASIN: MAJOR SUB-BASINS



NAGDEHI BASIN

Nagdehi River UID Code:
 Basin Area: 160.38 Sq. Km.
 Number of rivers- 13
 River network- 119 Km

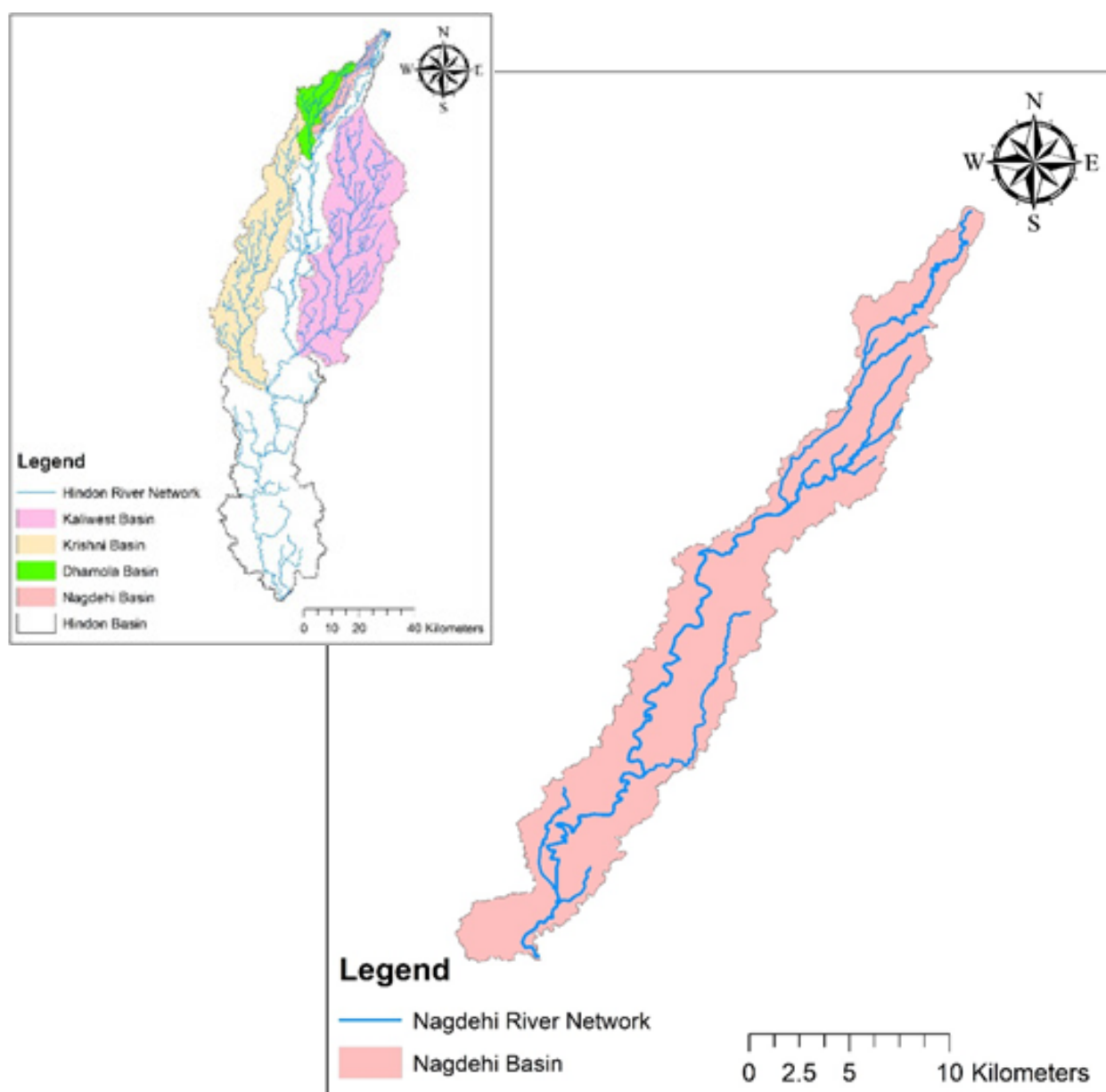


Figure: Nagdehi River Network

NAGDEHI RIVER MAINSTEM FLOW DIAGRAM

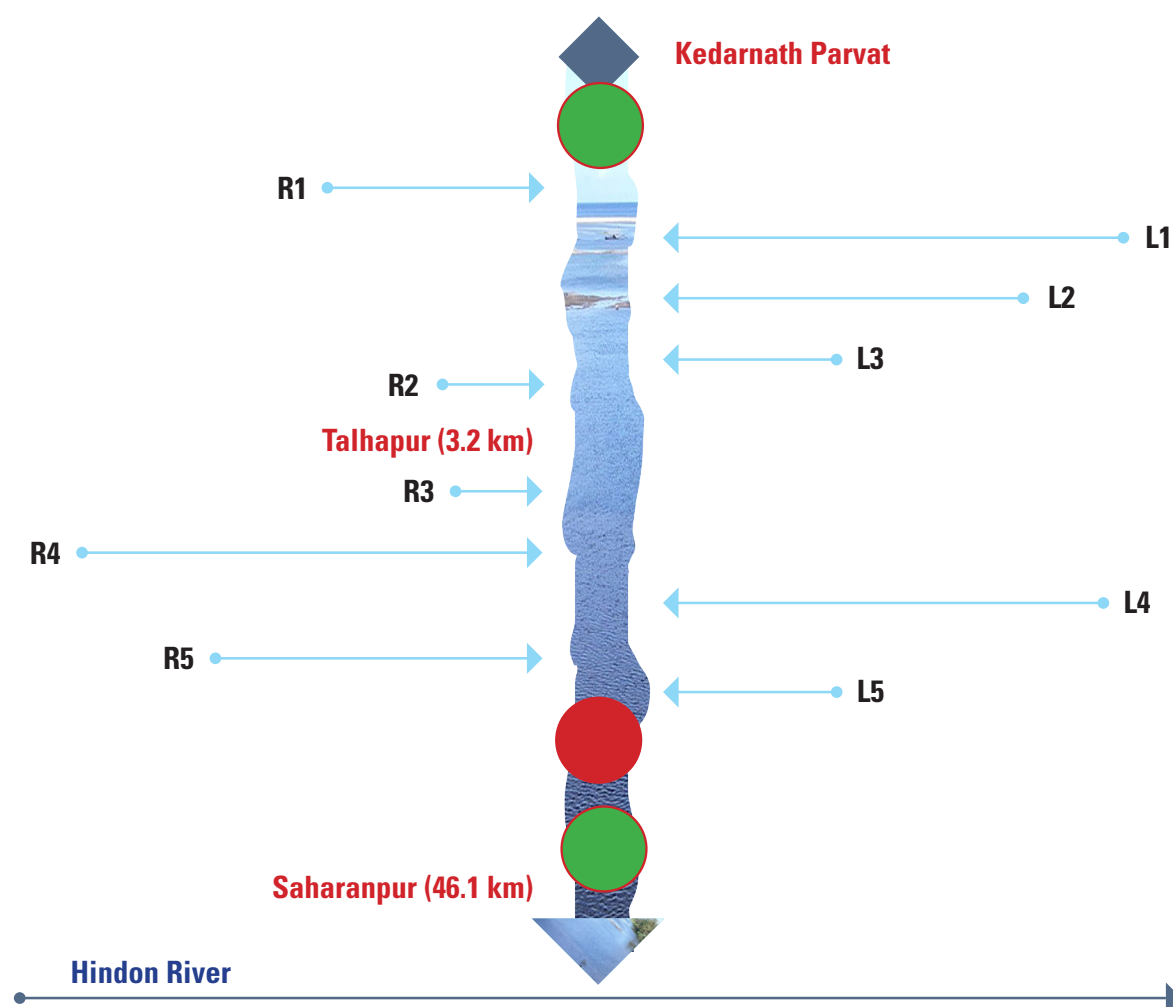


Figure: Flow Diagram of Nagdehi River

NAGDEHI RIVER MAINSTEM NETWORK					
River Name	Confluence Bank	River Length	Co-ordinate		Distance from Origin
			Latitude	Longitude	
Stream 7	R1	4.83	30.182726°	77.767980°	0.3
Stream 6	L1	3.31	30.178376°	77.764856°	0.7
Stream 5	L2	3.31	30.176818°	77.764392°	0.9
Stream 4	L3	2.42	30.167031°	77.754257°	2.8
Stream 3	R2	1.75	30.165823°	77.750761°	3.2
Stream 2	R3	1.7	30.160013°	77.734072°	5.7
Kothari Rao	R4	20.3	30.146571°	77.724502°	7.8
Nailawali Khala	L4	13.4	30.025937°	77.656678°	32.2
Padil River	R5	7.56	29.973463°	77.613092°	45.3
Stream 1	L5	3.15	29.966509°	77.613647°	46.15

DHAMOLA BASIN

Dhamola River UID Code:
Basin area: 249.43 Sq. Km.
Number of rivers- 13
River network- 111.3 Km

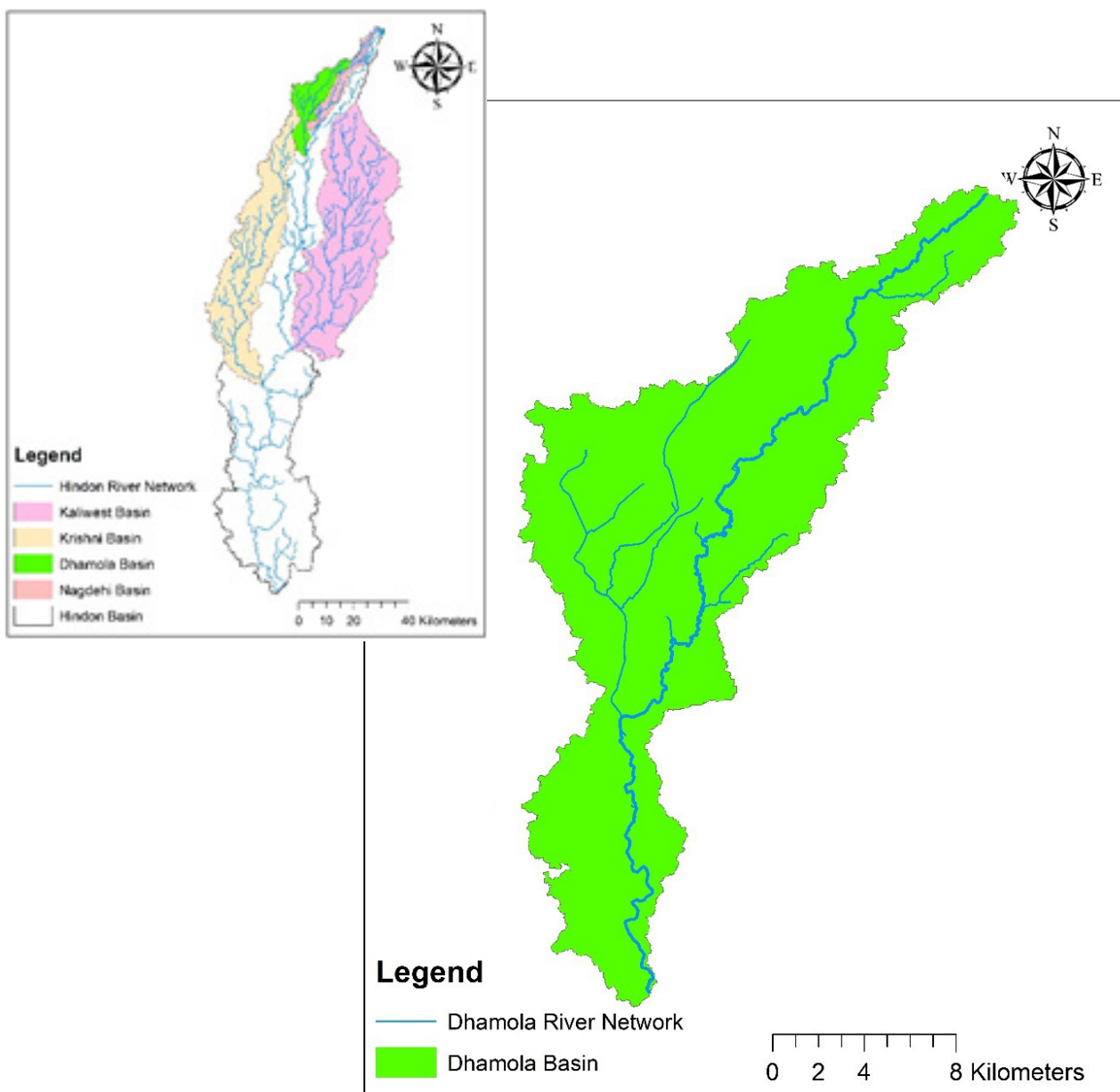


Figure: Dhamola River network

DHAMOLA RIVER MAINSTEM FLOW DIAGRAM

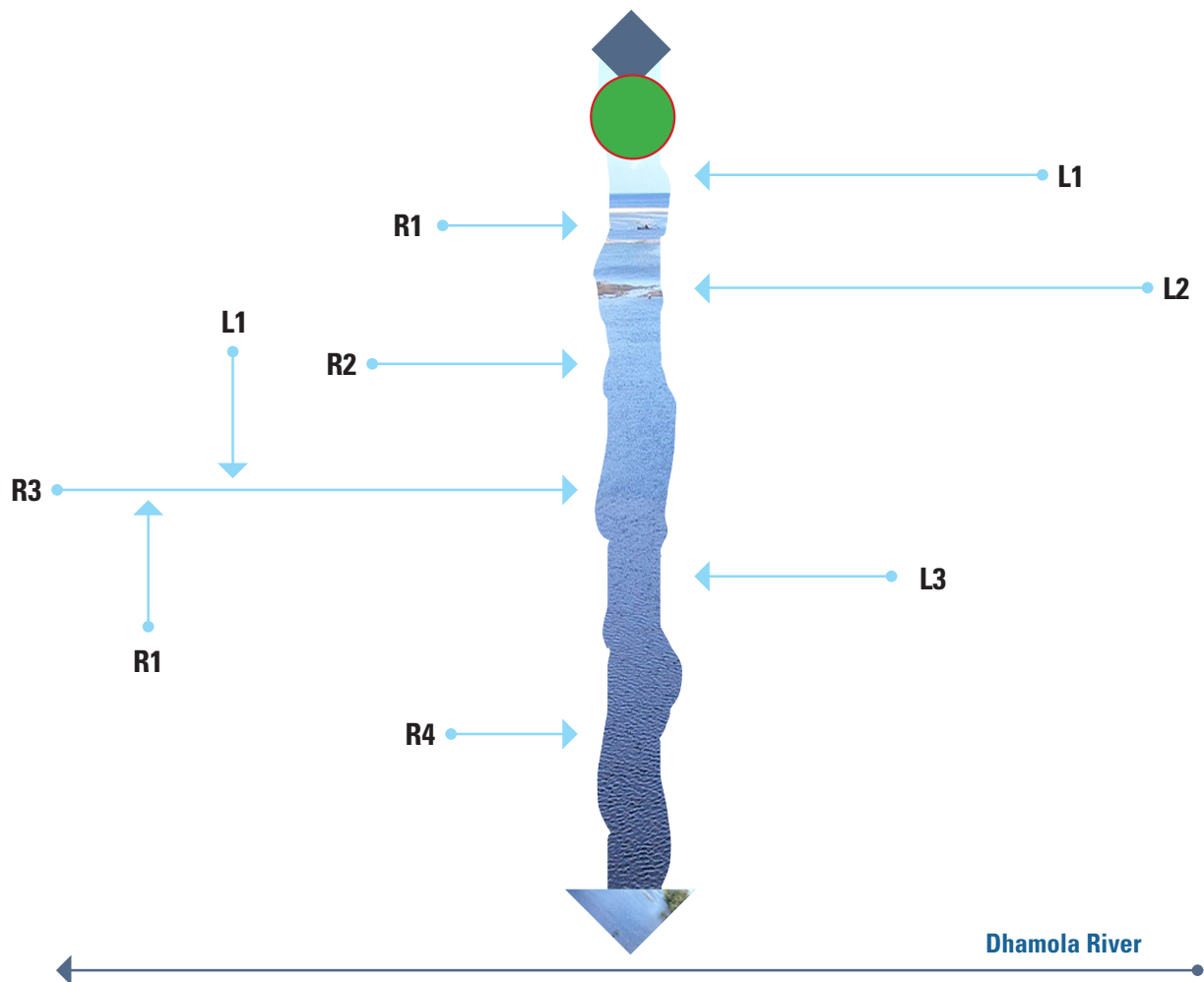


Figure: Flow Diagram of Dhamola River

DHAMOLA RIVER MAINSTEM NETWORK							
River Name	Confluence Bank	River Length	Co-ordinate		Distance from Origin		
			Latitude	Longitude			
Stream 5		L1	5.56	30.133979°	77.659767°	7.8	
Stream 4		R1	0.98	30.033697°	77.585174°	27.3	
Naini Nala		L2	5.78	30.006438°	77.586146°	31.6	
Stream 3		R2	1.16	29.994353°	77.573733°	34.6	
Paondhoi River		R3	13.1	29.963235°	77.550991°	40.5	
	Datauli Drain	R1	4.6	30.034777°	77.532685°		3.25
	Shankarpuri Khal	L1	6.41	30.011116°	77.542124°		6.92
Stream 2		L3	0.31	29.957361°	77.550802°	41.1	
Stream 1		R4	0.24	29.927947°	77.558760°	45.3	

KALI WEST BASIN

Kali West River UID Code:
Basin Area: 2055.25 sq. Km.
Number of rivers - 81
River network- 717.15 Km

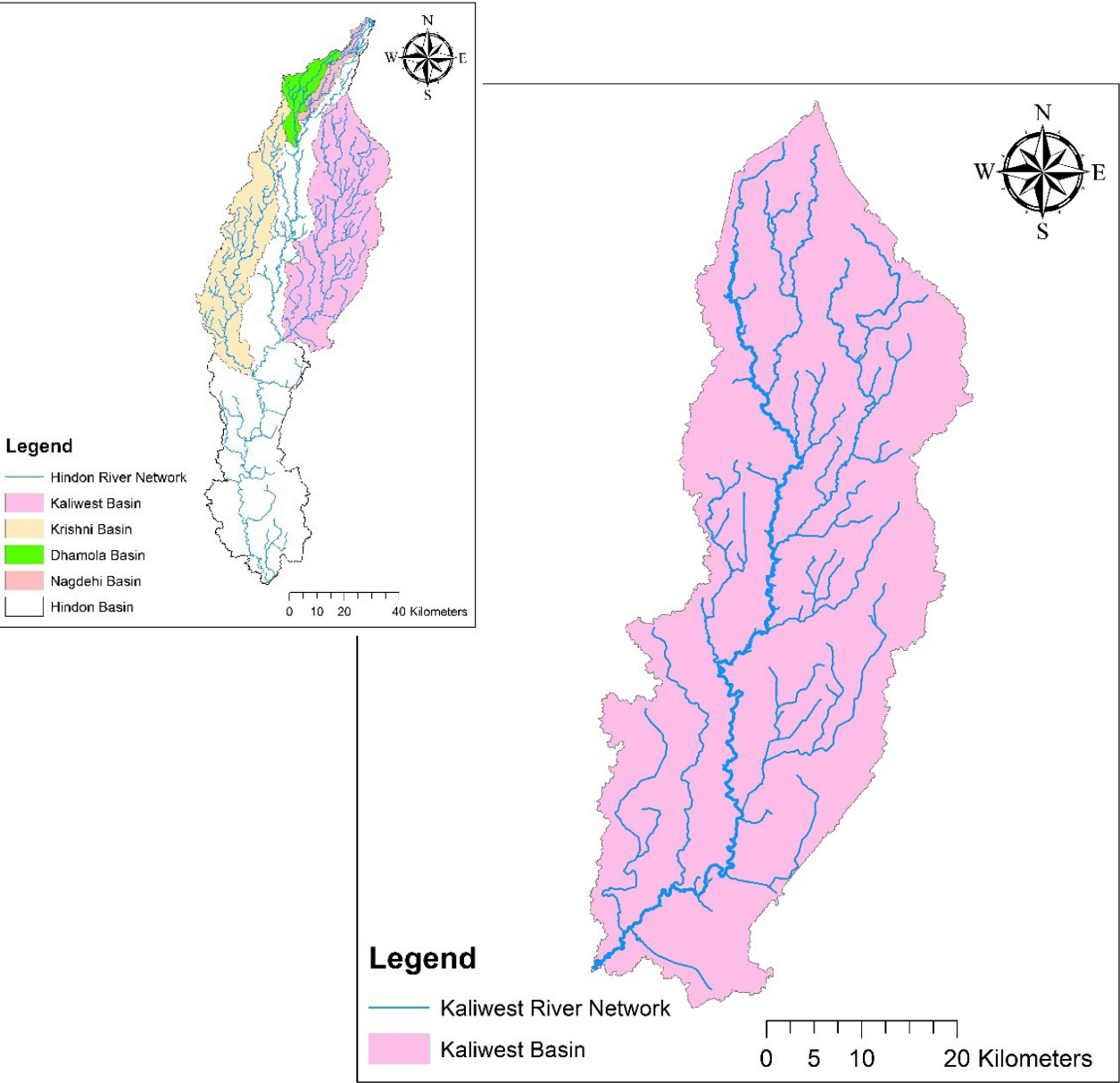
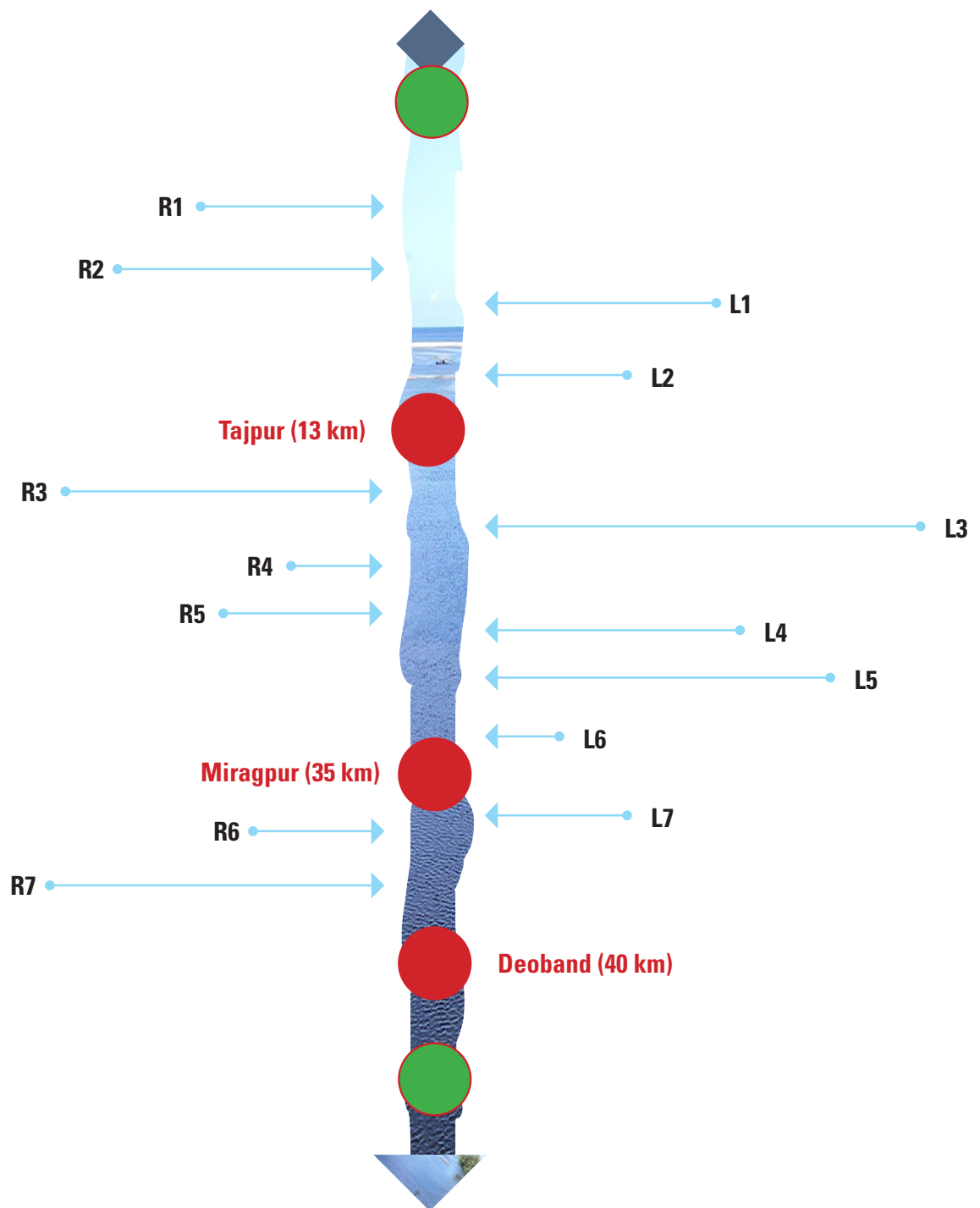
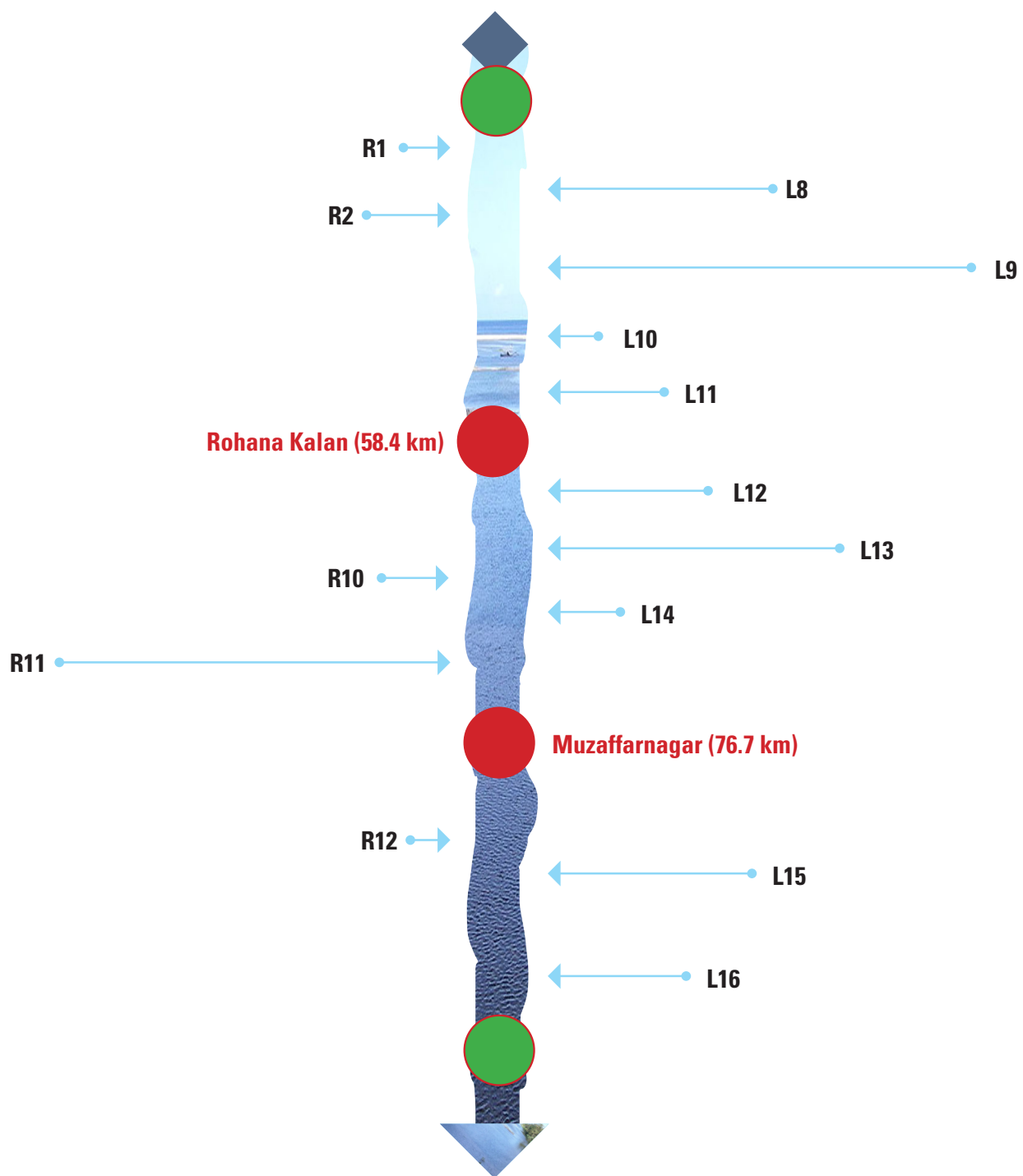


Figure: Kali West River Basin network

KALI WEST RIVER MAINSTEM FLOW DIAGRAM





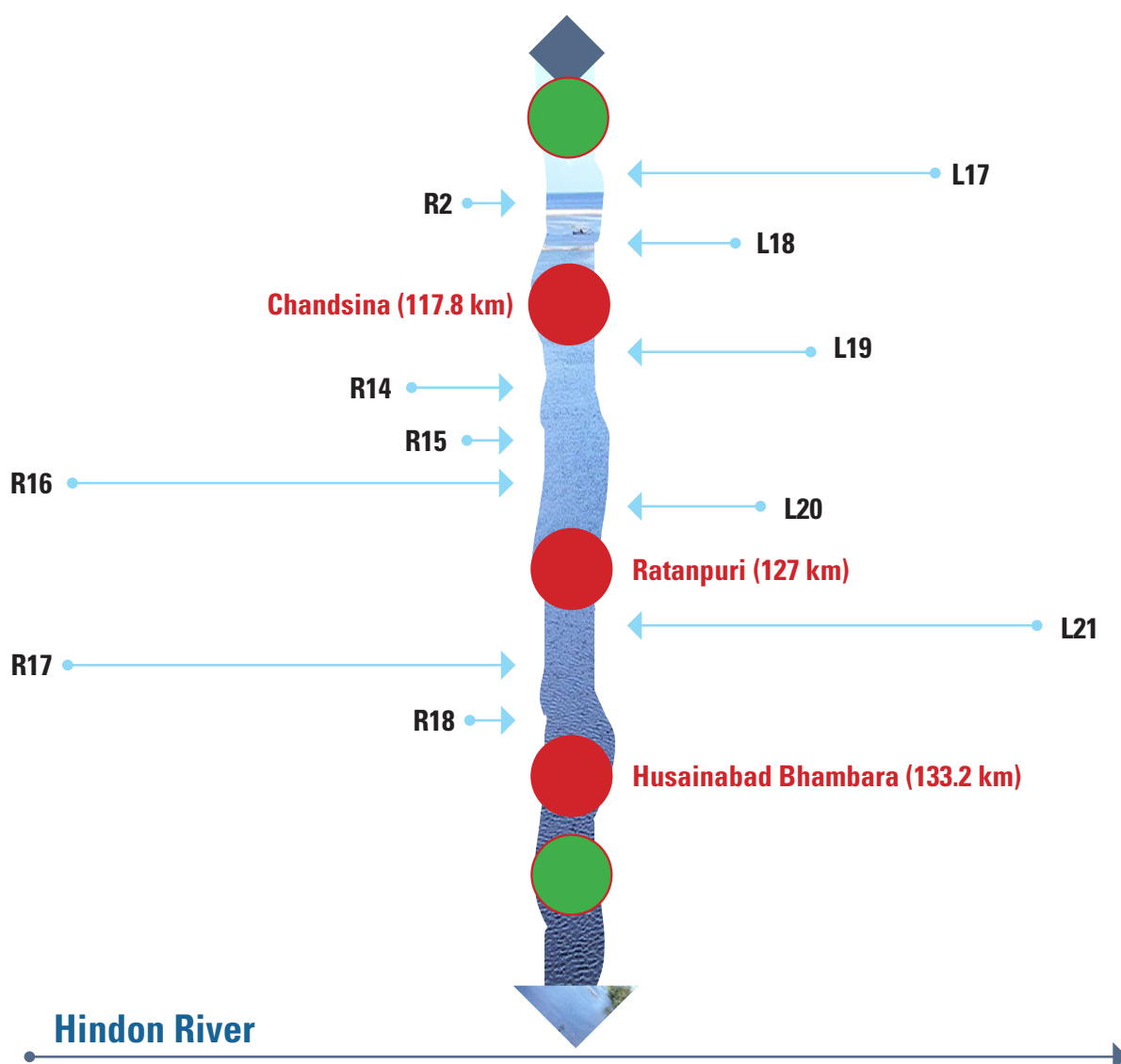


Figure: Flow Diagram of Kali West River

KALI WEST RIVER MAINSTEM NETWORK					
River Name	Confluence Bank	River Length	Co-ordinate		Distance from Origin
			Latitude	Longitude	
Stream 27	R1	0.61	29.880725°	77.661742°	19
Stream 26	R2	0.9	29.851063°	77.660689°	25
Sttream 25	L1	3.72	29.848017°	77.666345°	26
Sttream 24	L2	1.77	29.817786°	77.670613°	31
Sttream 23	R3	2.14	29.774123°	77.684550°	38
Kali East	L3	35.3	29.761380°	77.702709°	41
Stream 22	R4	0.34	29.733677°	77.712818°	46

KALI WEST RIVER MAINSTREAM NETWORK					
River Name	Confluence Bank	River Length	Co-ordinate		Distance from Origin
			Latitude	Longitude	
Stream 21	R5	0.91	29.730286°	77.717639°	47
Kapuri Drain	L4	8.47	29.716407°	77.735666°	50
Jatauli Cut	L5	13.8	29.700875°	77.744084°	53
Stream 20	L6	0.15	29.697709°	77.743351°	53
Stream 19	L7	0.81	77.743351°	77.739137°	54
Stream 18	R6	0.43	29.682183°	77.725751°	57
Jenkisons Drain	R7	4.7	29.674245°	77.720382°	58
Stream 17	R8	0.29	29.672298°	77.717582°	59
Stream 16	L8	0.55	29.663490°	77.719506°	60.3
Stream 15	R9	0.66	29.629686°	77.709267°	66.7
Sila Khala	L9	62.5	29.613001°	77.715325°	70
Stream 14	L10	0.55	29.602941°	77.719718°	71.8
Stream 13	L11	0.8	29.580390°	77.711587°	76.4
Stream 12	L12	0.92	29.555390°	77.717630°	81.5
Purkazi Drainage Cut	L13	22.8	29.538604°	77.712428°	85
Stream 11	R10	0.6	29.534067°	77.697362°	87
Stream 10	L14	1	29.516098°	77.686683°	90.1
Imliya Drain	R11	33.4	29.504102°	77.658518°	94.6
Stream 9	R12	0.45	29.406669°	77.669581°	113
Main Muzaffarnagar Drain	L15	16.2	29.364759°	77.688794°	120.4
Stream 8	L16	4.9	29.359164°	77.687968°	121.3
Khatauli Escape	L17	6	29.306121°	77.672953°	130.7
Stream 7	R13	0.16	29.304635°	77.652167°	134.7
Stream 6	L18	0.98	29.295907°	77.652131°	135.7
Stream 5	L19	2.65	29.284910°	77.643570°	137.5
Stream 4	R14	2.14	29.288749°	77.640723°	138.5
Stream 3	R15	0.13	29.290011°	77.637724°	141
Pina Drain	R16	37.12	29.293830°	77.616879°	145
Stream 2	L20	0.41	29.274371°	77.602074°	147
Abu Escape	L21	12.4	29.251198°	77.569718°	149.47
Harsauli Drain	R17	35.7	29.247374°	77.565276°	150.6
Stream 1	R18	0.21	29.241368°	77.561870°	151.23

KRISHNI BASIN

Krishi River UID Code:

Basin Area: 1250.60 Sq. Km.

Number of rivers- 60

River network- 415.40 Km

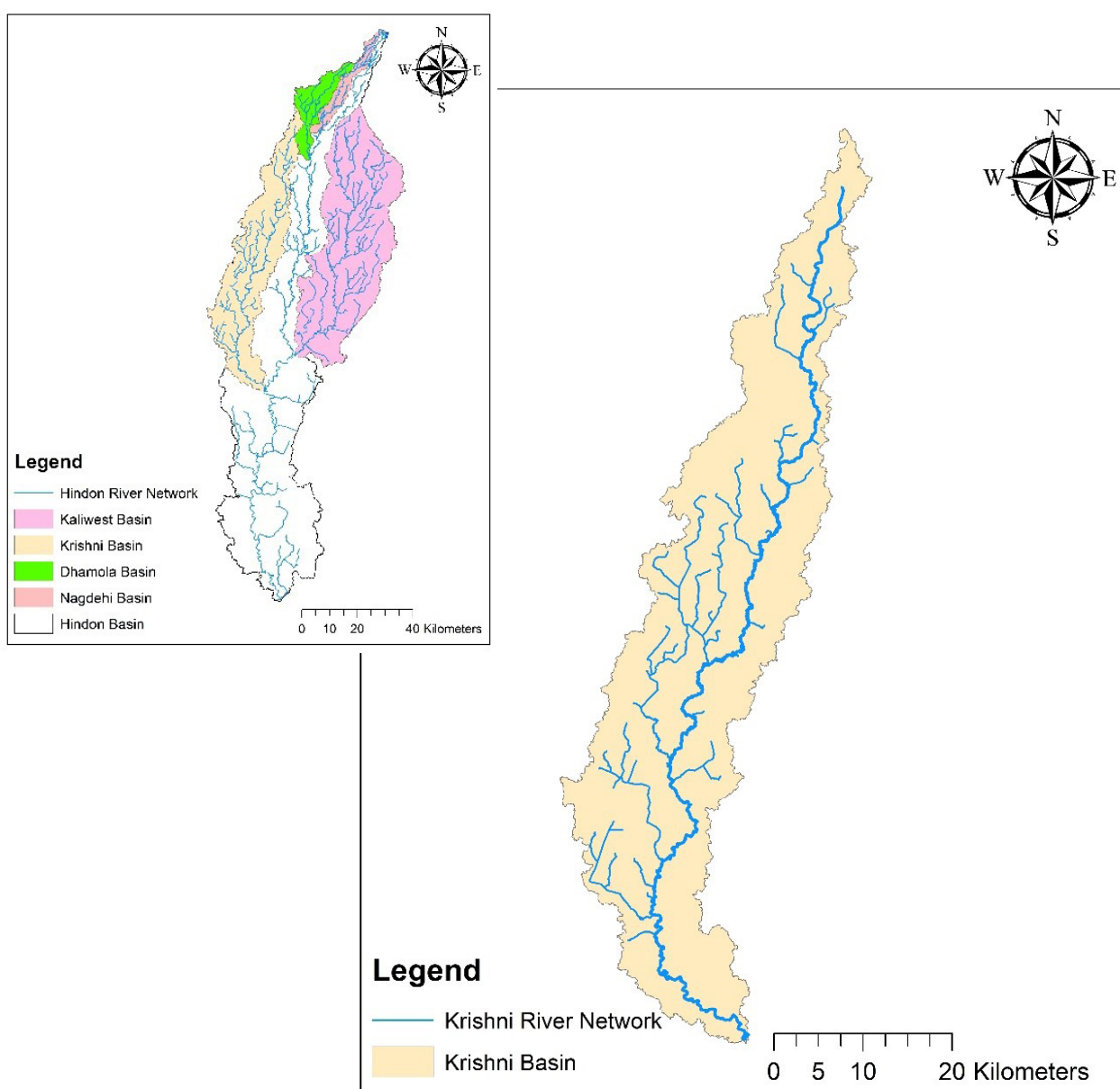
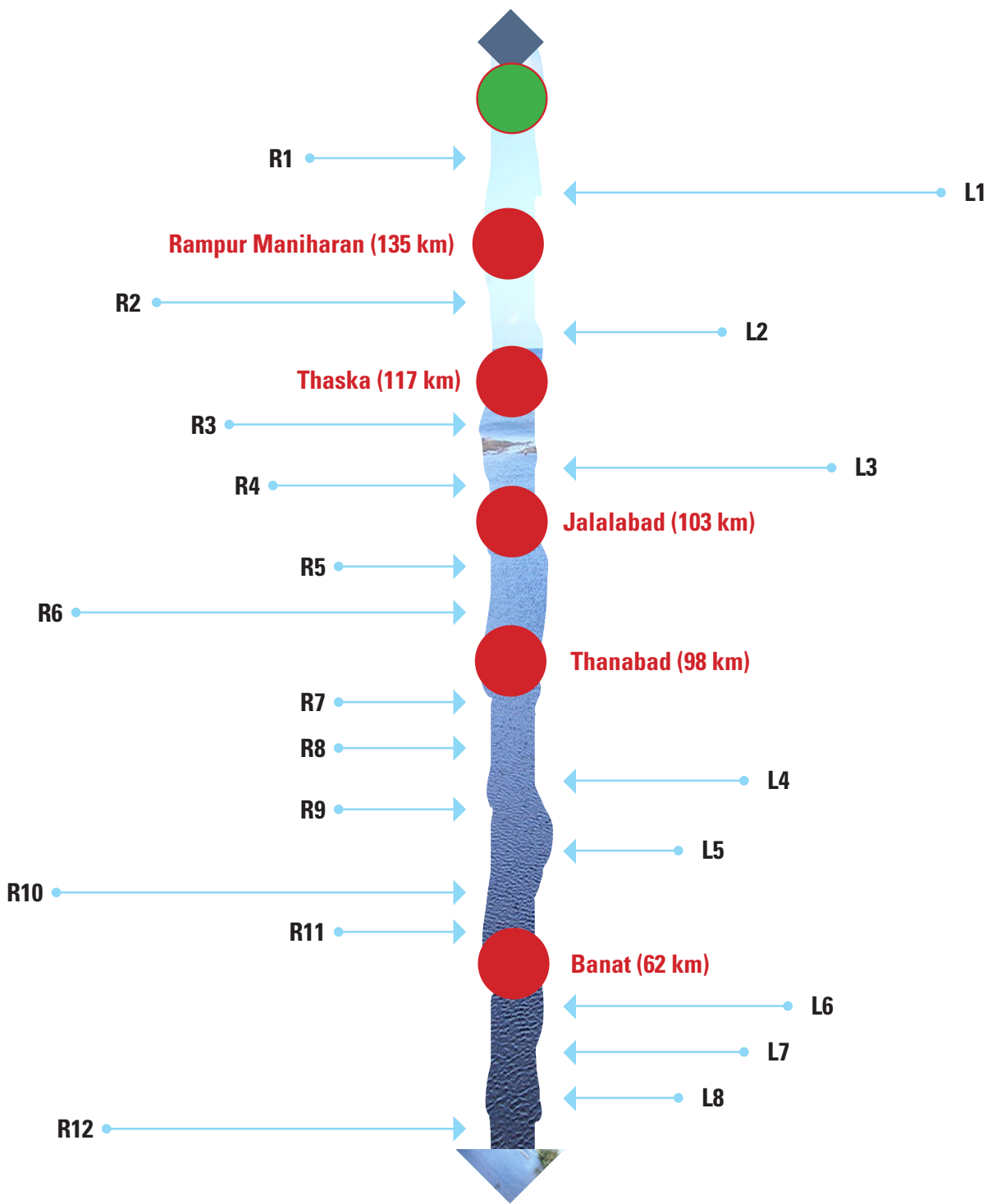


Figure: Krishna River network

KRISHNI RIVER MAINSET FLOW DIAGRAM



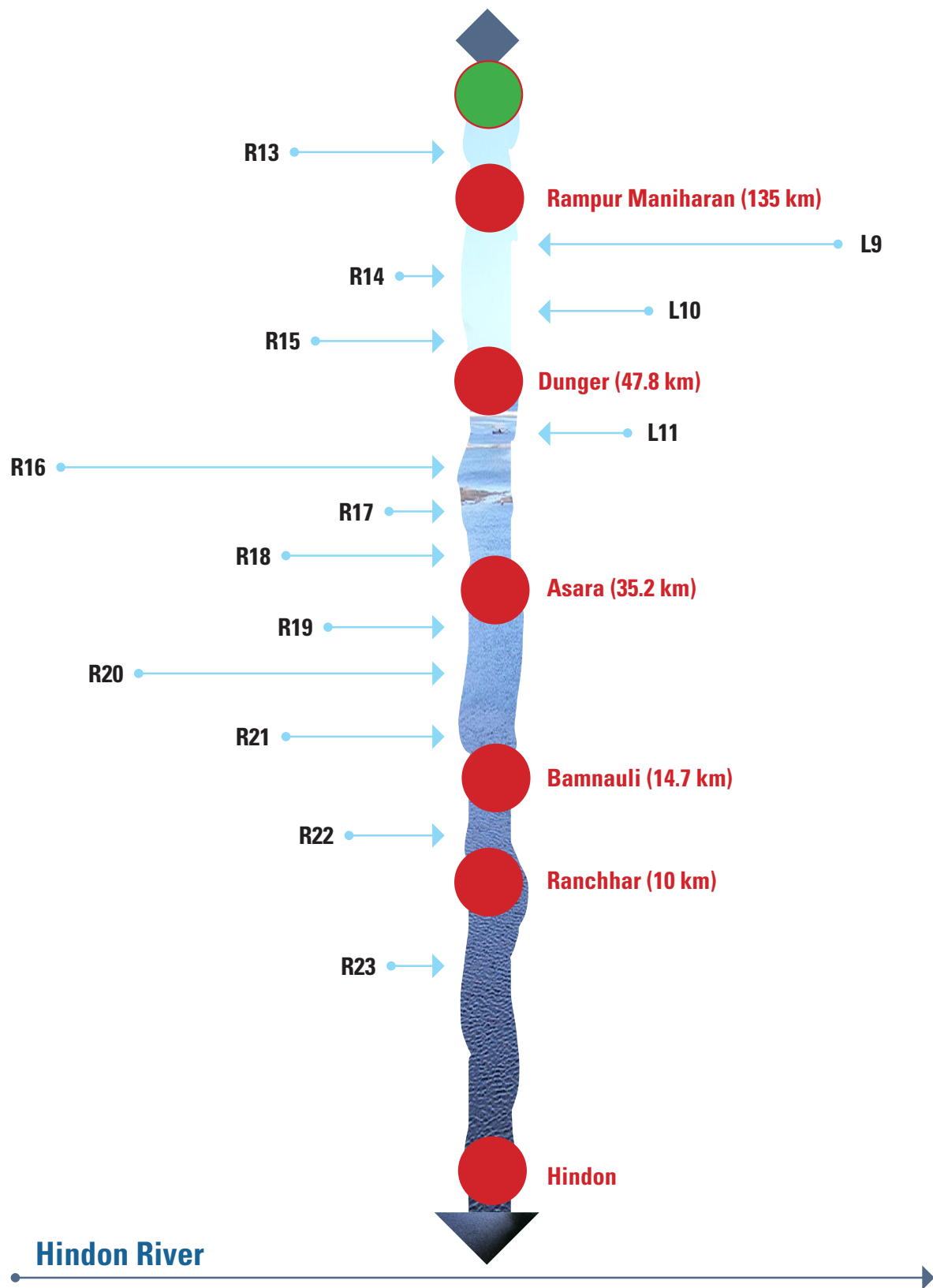


Figure: Flow Diagram of Krishni River

KRISHNI RIVER MAINSTREAM NETWORK					
River Name	Confluence Bank	River Length	Co-ordinate		Distance from Origin
			Latitude	Longitude	
Balpur Drain	R1	3.91	29.863770°	77.478069°	149
Jandhera Drain	L1	6.46	29.818039°	77.479897°	140
Rampur Cut	R2	10.5	29.788911°	77.465636°	135
Stream 21	L2	1.15	29.709016°	77.481900°	122
Thaska Drain	R3	4.14	29.681722°	77.446387°	117
ifra Aindabad Drain	L3	3.64	29.660549°	77.457861°	113
Stream 20	R4	4.1	29.636214°	77.439750°	109
Stream 19	R5	1	29.610261°	77.438681°	103
Khanpur Drain	R6	13.65	29.588549°	77.427824°	98
Stream 18	R7	0.31	29.582858°	77.422030°	97
Stream 17	R8	0.22	29.532513°	77.413919°	89
Stream 16	L4	2.34	29.520347°	77.415400°	87
Stream 15	R9	0.3	29.504190°	77.406958°	86
Stream 14	L5	0.54	29.487668°	29.487668°	81
Salawar Drain	R10	24.6	29.477054°	77.366940°	75
Stream 13	R11	0.4	29.468838°	77.360735°	74
Stream 12	L6	2	29.422602°	77.357237°	65
Stream 11	L7	0.32	29.405456°	77.347746°	62
Stream 10	L8	0.3	29.390971°	77.340116°	60
Kheri Escaoep	R12	12.5	29.383005°	77.331574°	58
Stream 9	R13	0.34	29.373177°	77.328046°	57
Karauda Drain	L9	7.46	29.358064°	77.333990°	54.6
Stream 8	R14	0.1	29.350487°	77.333567°	53.5
Stream 7	L10	0.44	29.332684°	77.353712°	50.2

KRISHNI RIVER MAINSTREAM NETWORK					
River Name	Confluence Bank	River Length	Co-ordinate		Distance from Origin
			Latitude	Longitude	
Stream 6	R15	0.26	29.321079°	77.356116°	48.7
Stream 5	L11	0.24	29.316637°	77.362529°	47.8
Fatehpur Drain	R16	20.9	29.275967°	77.325526°	39.5
Stream 4	R17	0.19	29.270899°	77.323948°	38.9
Ailam Drain	R18	4.63	29.248138°	77.316011°	35.2
Stream 3	R19	1.49	29.234839°	77.314118°	33.3
Kandhla Drain	R20	16.7	29.221296°	77.316941°	31
Kishanpur	R21	3.49	29.201308°	77.318876°	26.8
Stream 2	R22	0.35	29.145663°	77.353950°	14.7
Stream 1	R23	0.3	29.126655°	77.375881°	10



GHAGHRA BASIN AND ITS RIVER NETWORK

Ghaghra River UID Code:
Basin Area: Sq. Km. : 4881.50
Major Rivers:
Number of rivers- 490
River Network- 13884.05 m

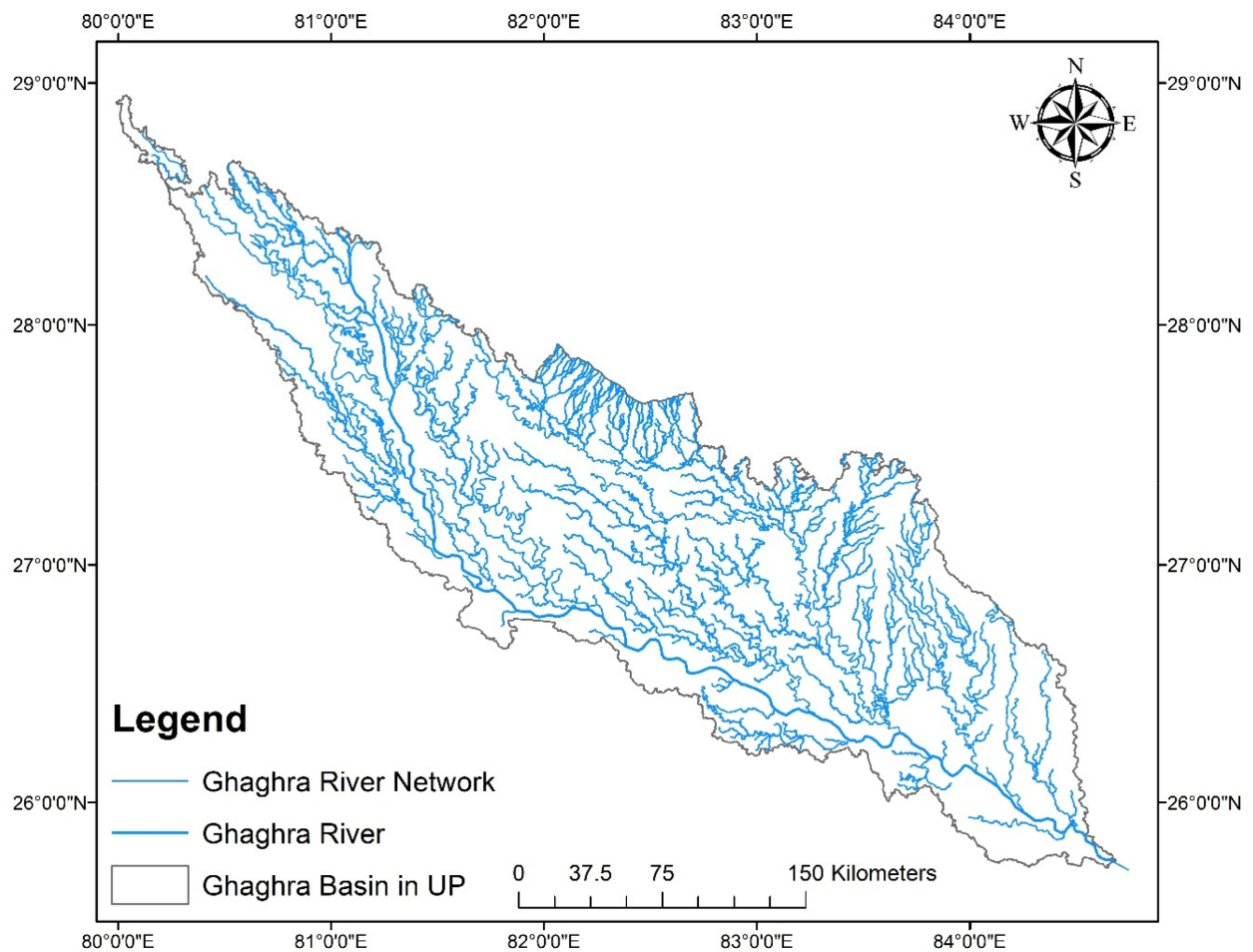
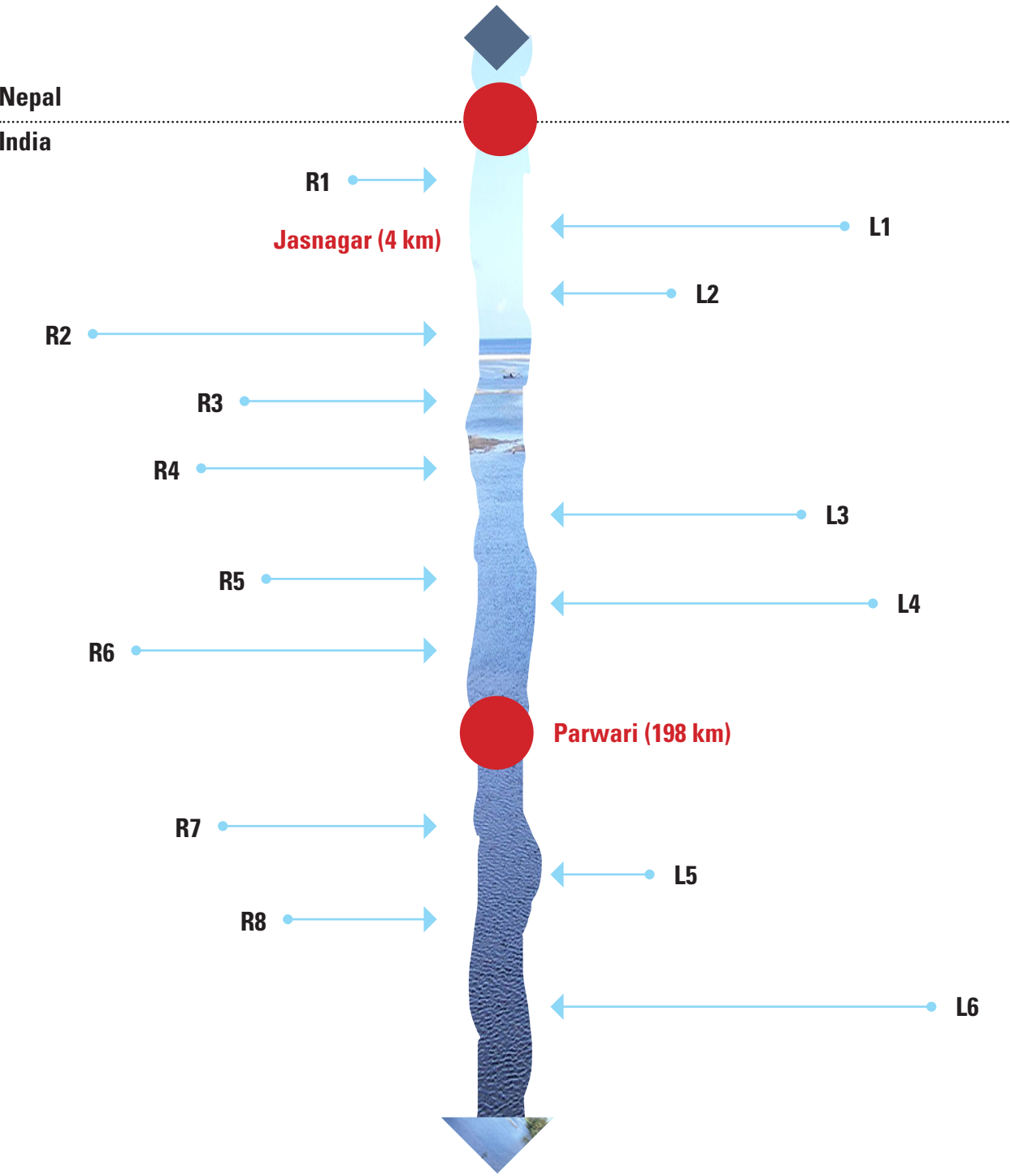


Figure: Ghaghra river network

GHAGHRA RIVER MAINSTEM FLOW DIAGRAM



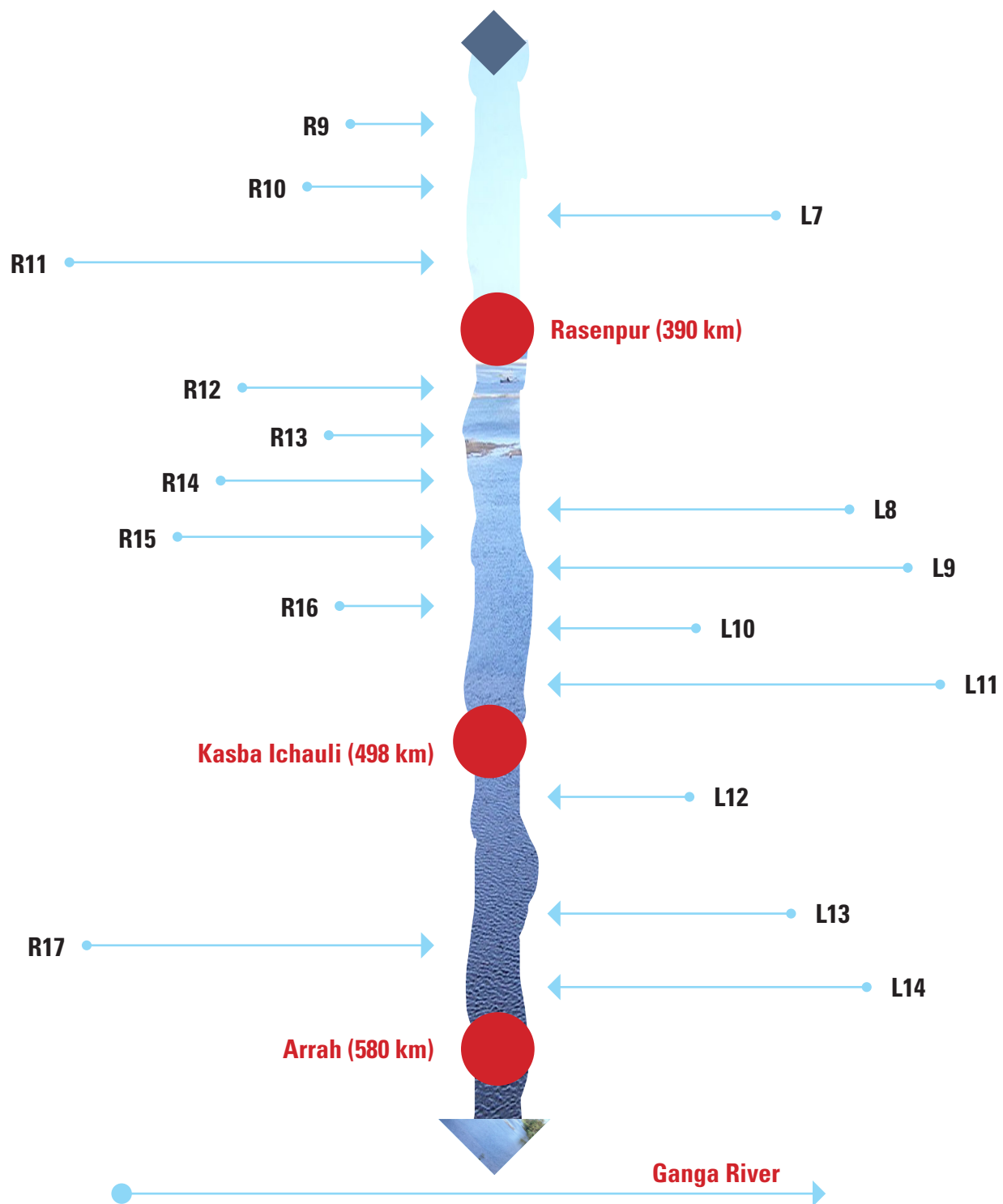


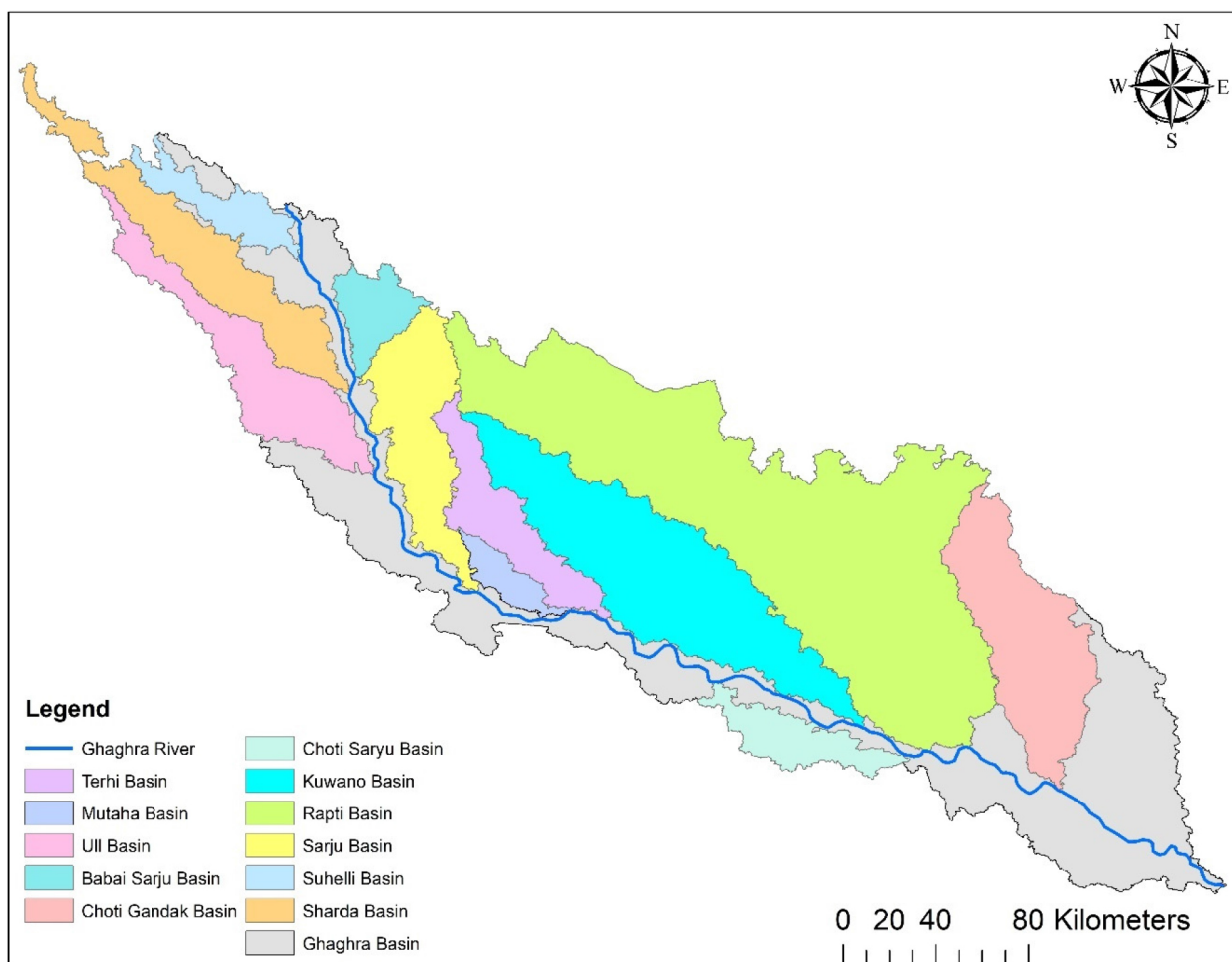
Figure: Flow Diagram of Ghaghra River

GHAGHRA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 4	R1	19.2	28.39	81.03	6
2	Stream 3	L1	39.3	28.35	81.06	10
3	Seti	L2	21.2	28.28	81.09	19
4	Sarju	R2	131	28.18	81.09	29
5	Stream 2	R3	20.5	28.18	81.09	40
6	Sukhni nala	R4	61.4	28.05	81.17	47
7	Stream 6	L3	27	28.02	81.20	51
8	Stream 5	R5	41	28.01	81.21	54
9	Babai river	L4	87.8	27.73	81.29	85
10	Sharda river	R6	337	27.67	81.28	94
11	Ull or Chauka river	R7	117.1	27.35	81.37	132
12	Stream 1	L5	19.2	27.20	81.47	156
13	Chuaka river	R8	66.6	27.09	81.48	167
14	Jyori Nala	R9	24	27.03	81.52	174
15	Jori nala	R10	13.7	26.91	81.69	204
16	Sarju	L6	233	26.89	81.77	213
17	kasera nalaa	R11	17	26.81	81.87	228
18	Mutaha nala	L7	64.5	26.82	82.15	257
19	Terhi nadi	L8	240	26.78	82.27	271
20	Tihora nala	R12	22	26.66	82.39	291
21	Achhnain nala	R13	13.8	26.52	82.89	358
22	Pikia nala	R14	46.7	26.39	83.09	384
23	Kuwano river	L9	391	26.38	83.27	404
24	choti saryu rivr	R15	152	26.27	83.43	422
25	Rapti ghaghara river	L10	525	26.30	83.67	453
26	Haha nala	R16	13.9	26.19	83.82	472
27	Jamuar nala	L11	14.8	26.18	83.87	478
28	Choti gandak rivr	L 12	326	26.13	84.03	501.7
29	Ghuri nala	L13	12.9	26.07	84.12	513.9
30	Jhararhi	L14	74.8	25.96	84.25	532.5
31	Kol nala	R17	70	25.88	84.44	556.1
32	Daha ghaghara river	L15	138	25.90	84.49	562.4

GHAGHRA BASIN: MAJOR SUB-BASINS

Major sub-basins of Ghaghra River are as follows:

- | | | |
|----------------------|----------------|-------------------|
| ■ Babai basin | ■ Rapti basin | ■ Ull drain basin |
| ■ Choti Gandak basin | ■ Suheli basin | ■ Mutaha basin |
| ■ Choti Saryu basin | ■ Sarju basin | ■ Terhi basin |
| ■ Kuwano basin | ■ Sharda basin | |



BABAI BASIN

Babai River UID Code:
 Basin Area: 899.938 Sq. Km.
 Number of rivers- 21
 River Network-573.76 Km

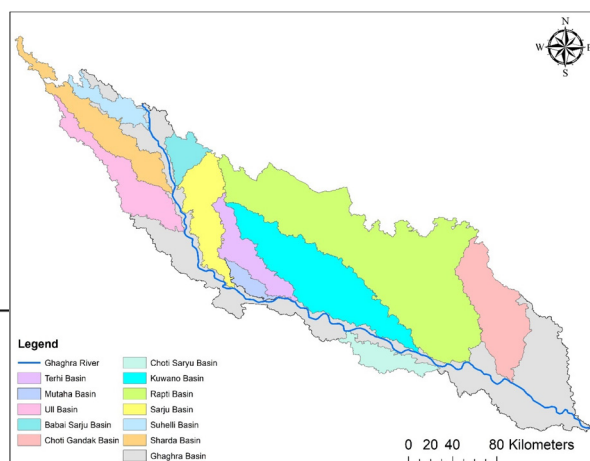
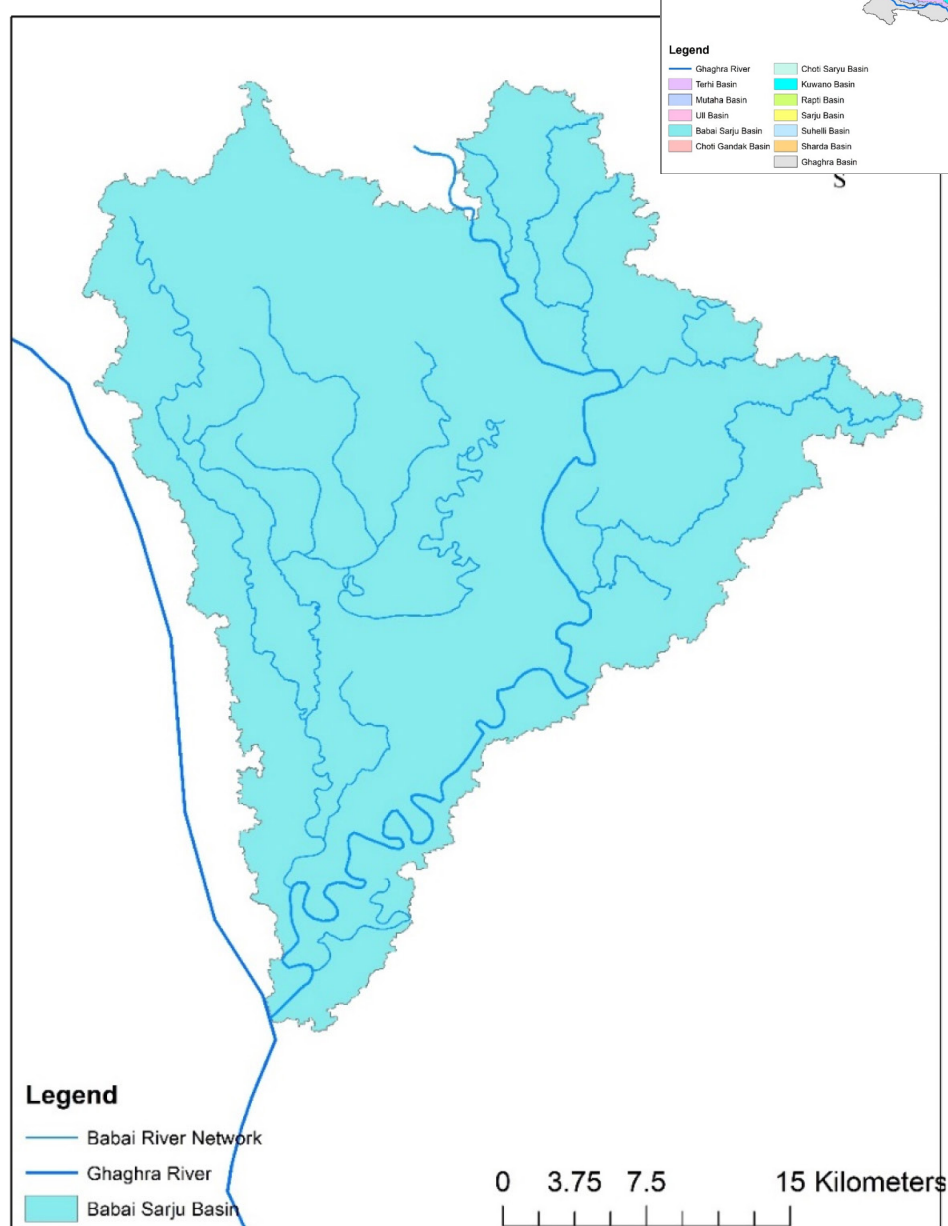


Figure: Babai River Network

BABAI/ SARJU RIVER MAINSTEM FLOW DIAGRAM

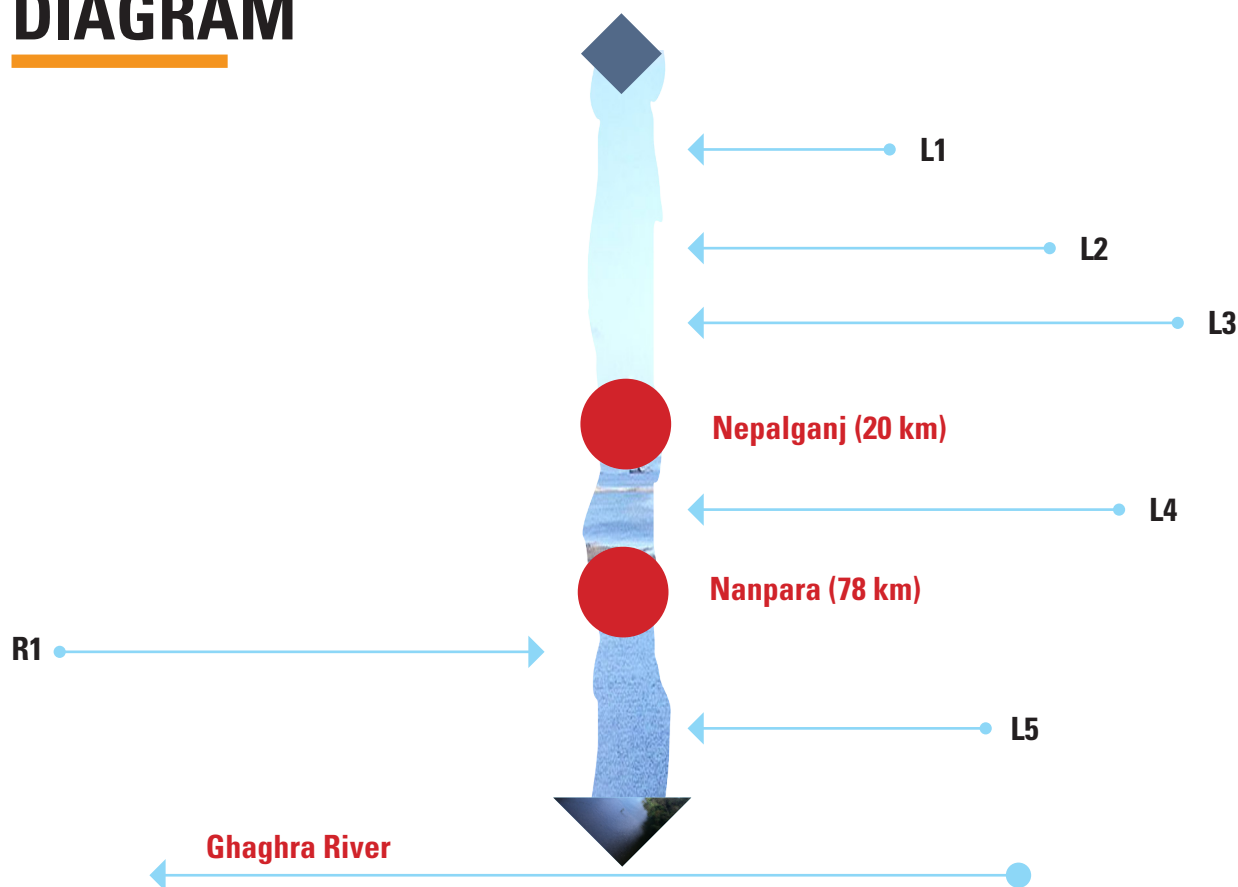


Figure: Flow Diagram of Babai River

SHAHDARA DRAIN MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 4	L1	8.67	28.08	81.40	10
2	Stream 3	L2	30.2	28.04	81.45	18
3	Stream 1	L3	63	28.03	81.46	20
4	Bhaghar Nala	L4	44.8	27.93	81.44	34
5	Soti Nadi or Chuka Nala	R1	49.4	27.79	81.30	78
6	Stream 1	L5	12.8	27.75	81.31	84

CHOTI GANDAK BASIN

Choti Gandak River UID Code:

Basin Area: 3670.75 Sq. Km.

Number of rivers- 42

River Network- 1109.64 Km

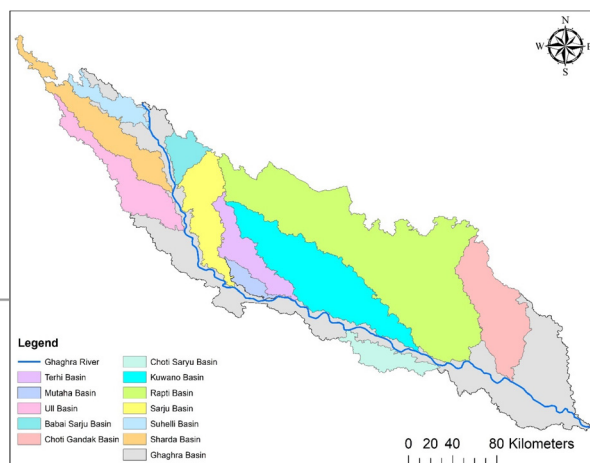
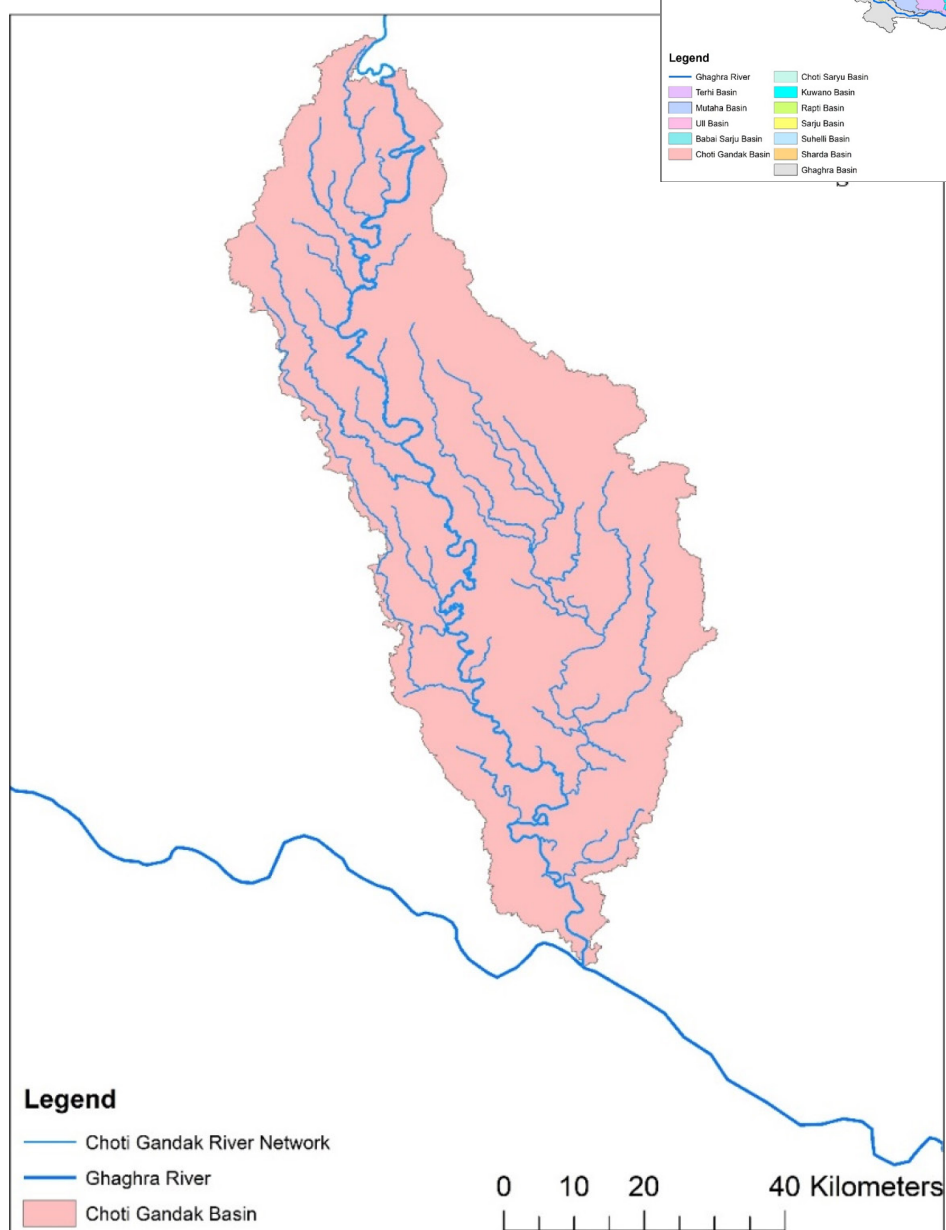


Figure: Choti Gandak River Network

CHOTI GANDAK RIVER MAINSTEM FLOW DIAGRAM

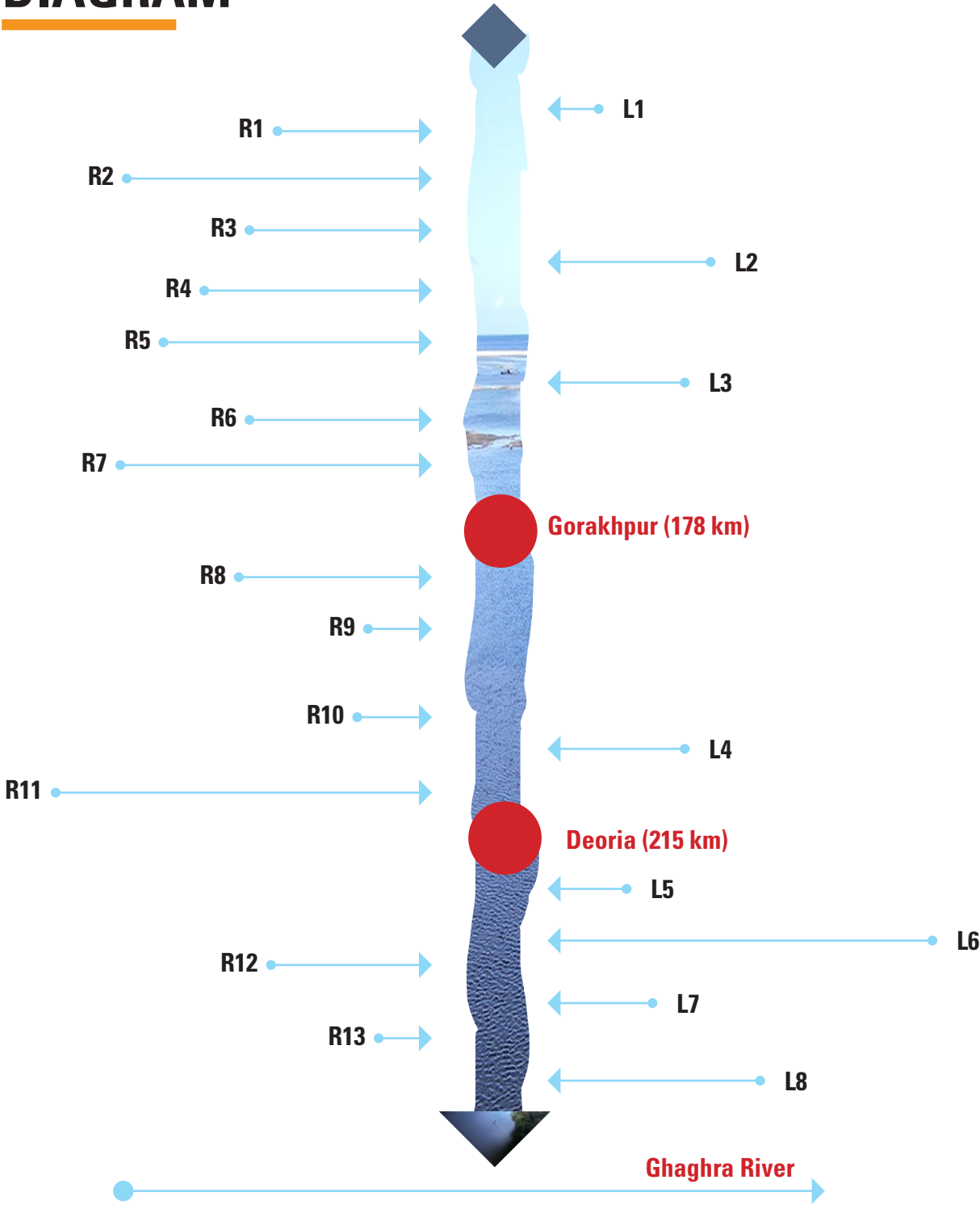


Figure: Flow diagram of Choti Gandak River

CHOTI GANDAK RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 10	L1	3.27	27.32	83.78	39
2	Stream 2	R1	11.6	27.11	83.78	93
3	Khekhra Nala	R2	39.6	27.08	83.75	99
4	Sota Nala	R3	15.2	27.06	83.74	109
5	Kakera Nala	L2	11.3	27.00	83.76	122
6	Stream 1	R4	16.7	26.99	83.73	128
7	Stream 9	R5	8.6	26.94	83.71	135
8	Stream 8	L3	7.27	26.88	83.78	152
9	Jethan Nala	R6	13.4	26.79	83.80	170
10	Maun Nala	R7	71.7	26.74	83.83	178
11	Duhari Nala	R8	19	26.59	83.85	217
12	Stream 7	R9	3.14	26.56	83.85	229
13	Karmaini Nala	R10	6.58	26.56	83.85	230
14	Stream 6	L4	8.44	26.49	83.88	244
15	Kanchi or Duranchi Nala	R11	88.4	26.46	83.89	251
16	Stream 5	L5	3.15	26.39	83.98	270
17	Khanua River	L6	73.6	26.35	84.01	277
18	Koilar Nala	R12	27.3	26.31	83.94	293
19	Stream 4	L7	4.83	26.29	83.97	300
20	Stream 3	R13	3.13	26.23	83.99	308
21	Duna Nala	L8	20.5	26.23	84.01	310

CHOTI SARYU BASIN

Choti Saryu River UID Code:
Basin Area: 1161 Sq. Km.
Number of rivers- 12
River Network-277.98 Km

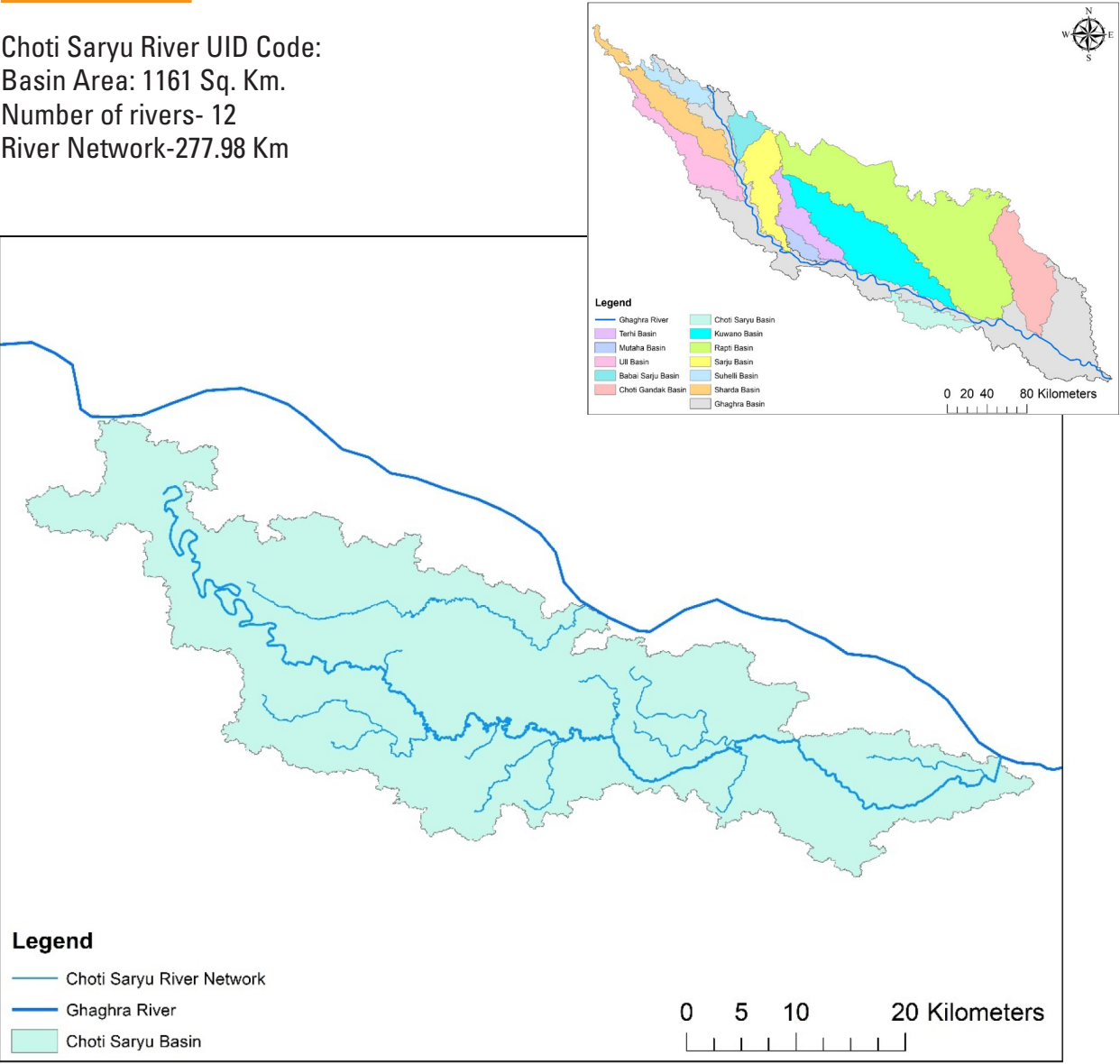


Figure: Choti Saryu River Network

CHOTI SARYU RIVER MAINSTEM FLOW DIAGRAM

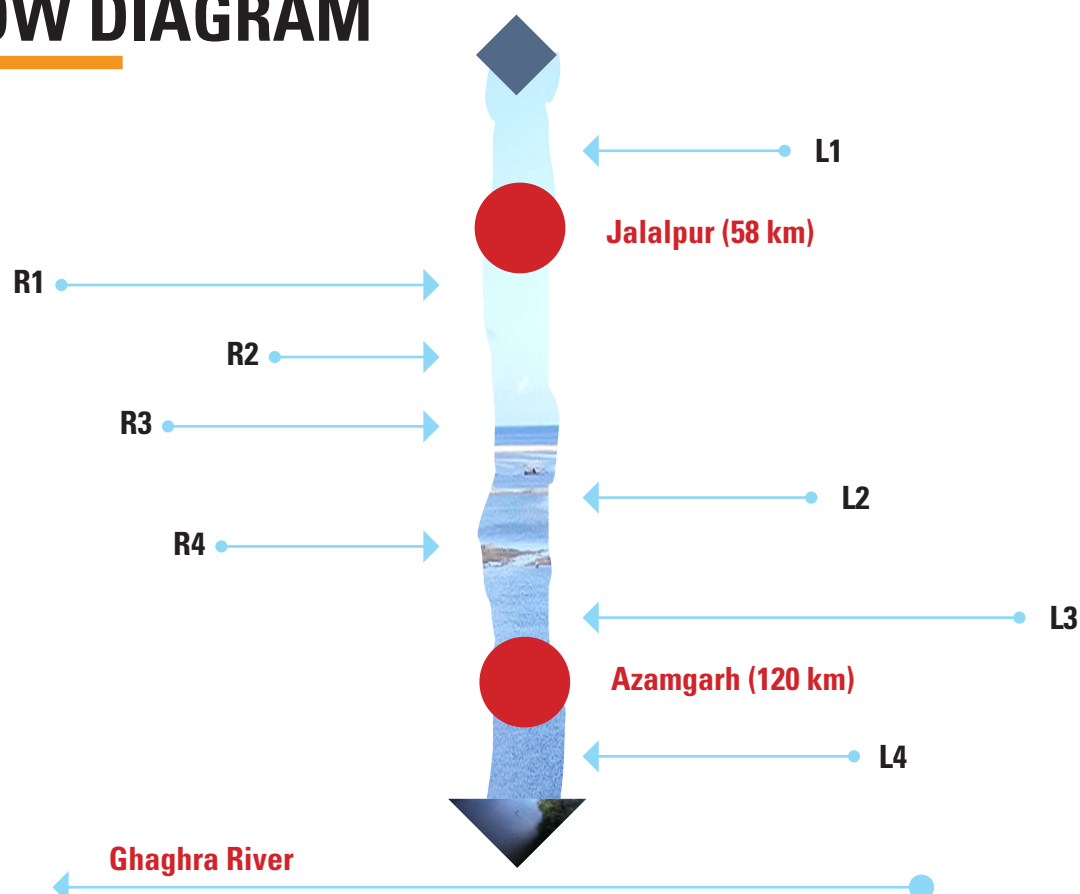


Figure: Flow Diagram of Choti Saryu River

CHOTI SARYU RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 2	L1	3.28	26.34	82.92	58
2	Stream 5	R1	25.5	26.29	82.96	67
3	Gandhaiya Nala	R2	5	26.29	83.01	81
4	Chumkuni Nala	R3	14.8	26.28	83.07	95
5	Stream 1	L2	11	26.28	83.11	103
6	Deonai Jhil	R4	8.2	26.27	83.21	118
7	Stream 3	L3	20.9	26.28	83.21	120
8	Stream 4	L4	12.2	26.25	83.41	149

KUWANO BASIN

Kuwano River UID Code:
Basin Area:5825.43 Sq. Km.
Number of rivers- 76
River Network-1724.53 Km

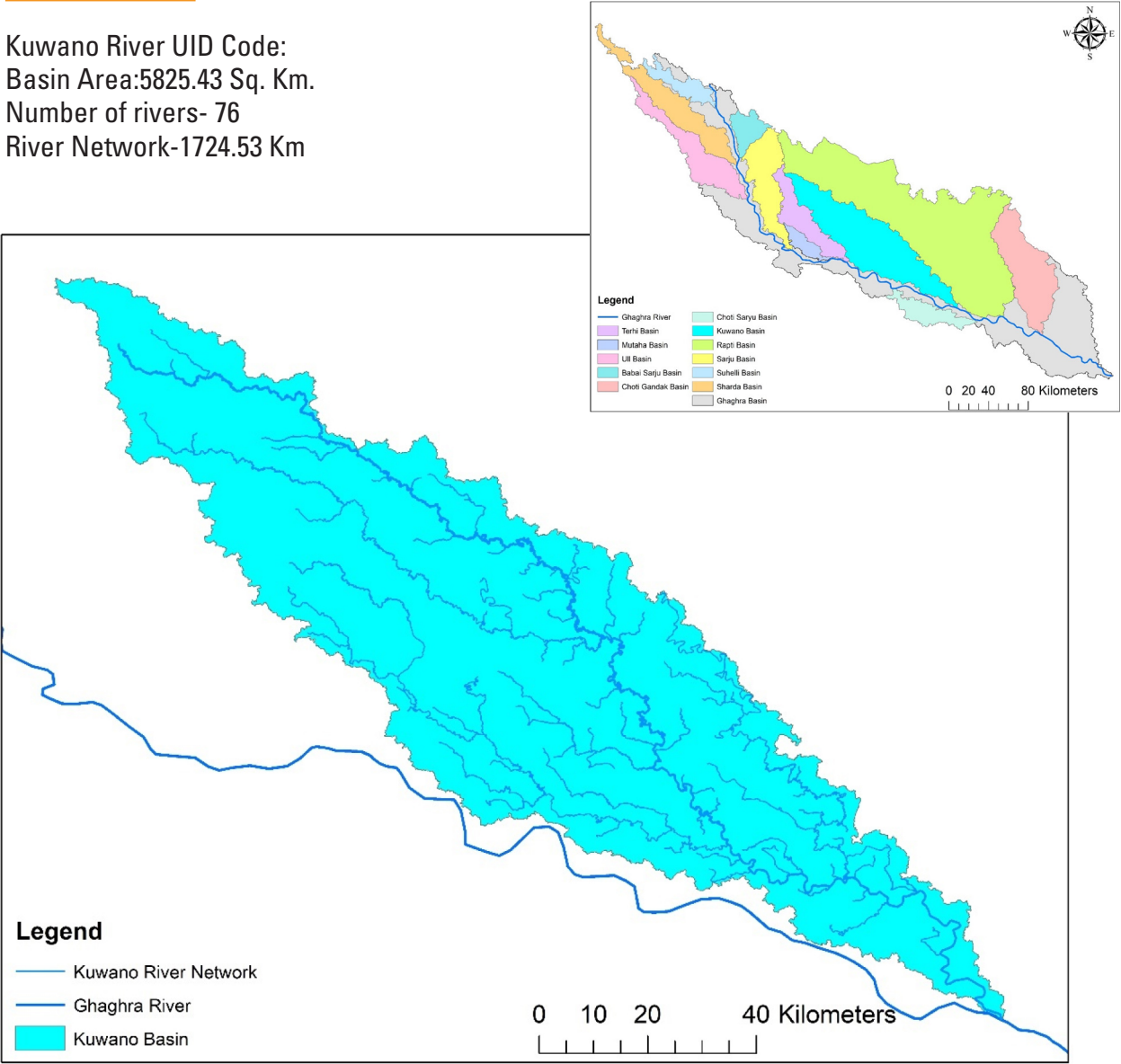
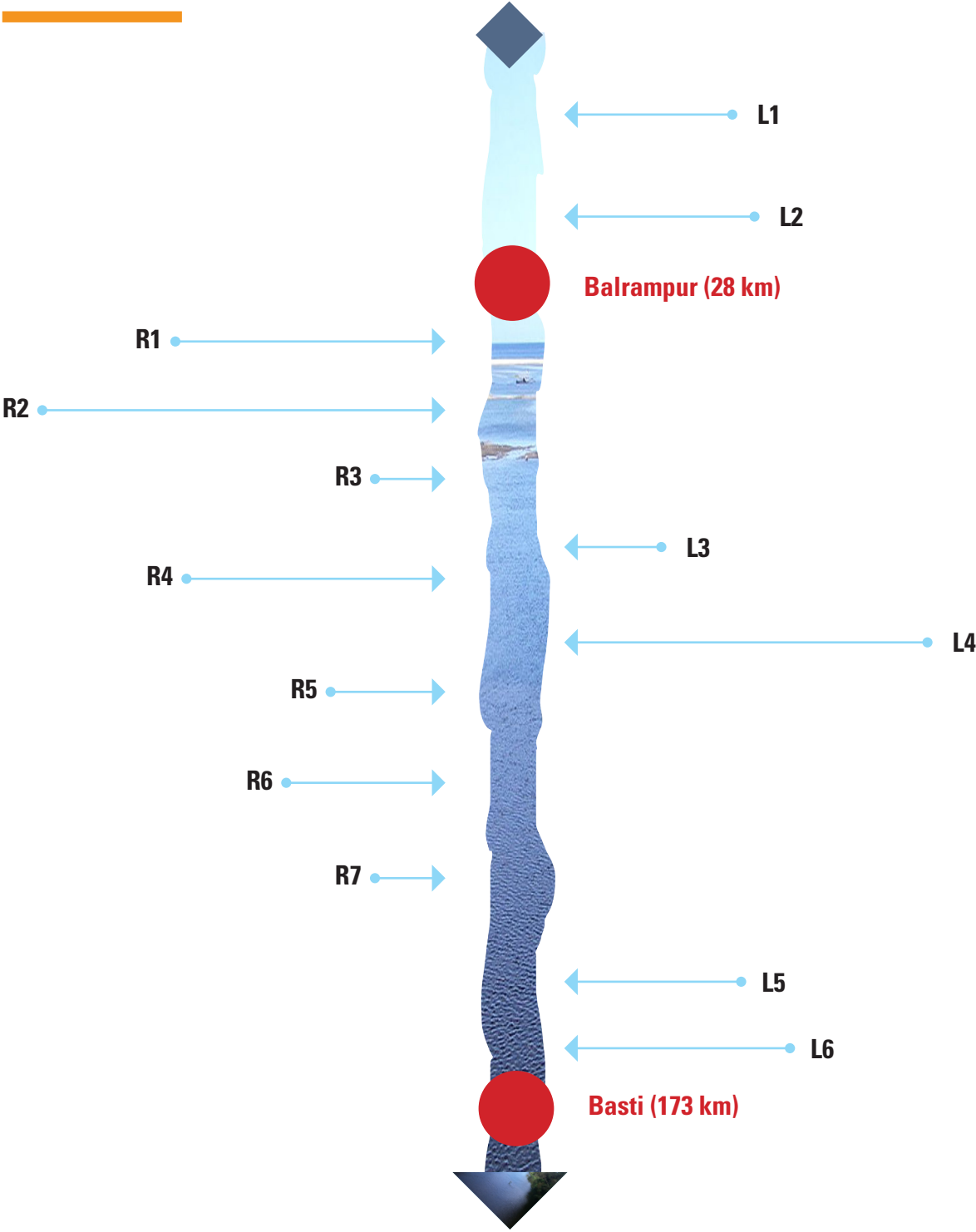
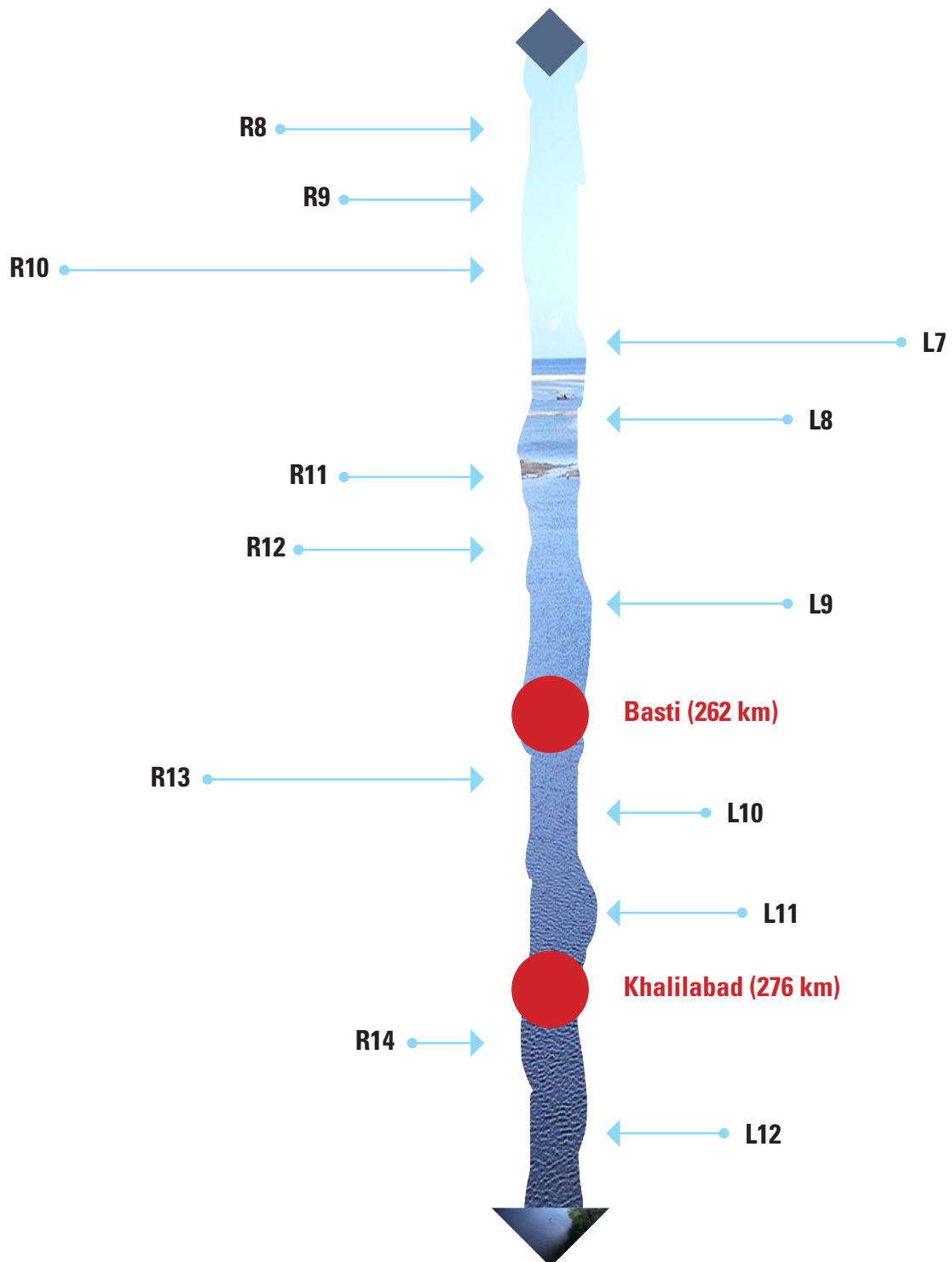


Figure: Kuwano River Network

KUWANO RIVER MAINSTEM FLOW DIAGRAM





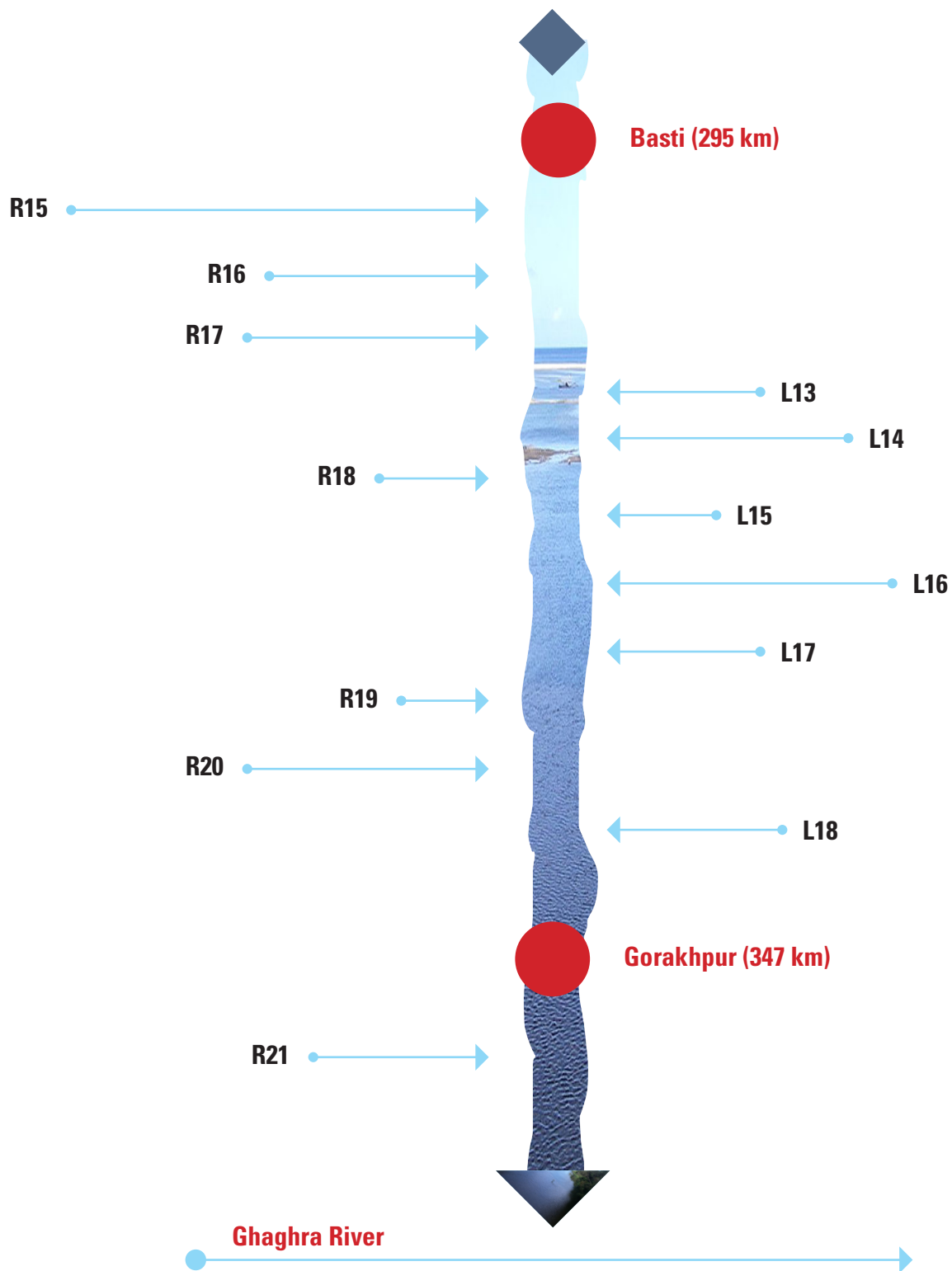


Figure: Flow diagram of Kuwano river network

KUWANO RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 24	L1	3.62	27.44	81.90	17
2	Narkutwa Nala	L2	16.8	27.43	81.96	28
3	Jahda Nala	R1	12.6	27.33	82.15	74
4	Pindariya Nala	R2	19.1	27.32	82.19	81
5	Stream 23	R3	3.53	27.26	82.26	97
6	Stream 22	L3	3.75	27.25	82.30	105
7	Singhwa Nala	R4	9.48	27.17	82.37	125
8	Kardahwa Nala	L4	22	27.17	82.40	131
9	Stream 21	R5	4	27.15	82.45	145
10	Stream 20	R6	6.16	27.12	82.50	163
11	Stream 19	R7	2.58	27.12	82.54	168
12	Bhitri Nala	L5	8.66	27.10	82.55	172
13	Majotia Nala	L6	9.21	27.10	82.55	173
14	Stream 18	R8	12	27.07	82.56	177
15	Stream 17	R9	7.35	27.04	82.56	187
16	Bisahi Nadi	R10	187	27.00	82.61	203
17	Rahawar Nala	L7	20.3	27.00	82.63	206
18	Stream 16	L8	10.9	27.00	82.64	207
19	Devvhua Nala	R11	11.2	26.91	82.64	227
20	Stream 15	R12	17.4	26.82	82.70	257

KUWANO RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
21	Stream 14	L9	16.8	26.81	82.70	258
22	Rewai Nadi	R13	52.7	26.79	82.70	262
23	Stream 13	L10	2.32	26.76	82.75	273
24	Stream 12	L11	5.43	26.74	82.76	276
25	Stream 11	R14	5.7	26.71	82.77	282
26	Stream 10	L12	5.59	26.71	82.79	285
27	Manawar River or Manorama	R15	177	26.66	82.82	295
28	Stream 9	R16	11	26.63	82.84	300
29	Stream 8	R17	11.4	26.61	82.86	305
30	Stream 7	L13	11	26.61	82.92	316
31	Stream 6	L14	19	26.61	82.94	318
32	Barka Nala	R18	7.89	26.59	82.99	326
33	Stream 5	L15	4.12	26.60	83.00	329
34	Kathinaya River	L16	129	26.60	83.02	331
35	Stream 4	L17	7.54	26.60	83.03	332
36	Stream 3	R19	4.81	26.58	83.05	335
37	Keonaiya Nadi	R20	17.7	26.56	83.08	341
38	Stream 2	L18	17.3	26.58	83.13	347
39	Stream 1	R21	11.4	26.48	83.17	367

RAPTI BASIN

Rapti River UID Code:
Basin Area: 14031.1 Sq. Km.
Number of rivers- 206
River Network- 5278.17 Km

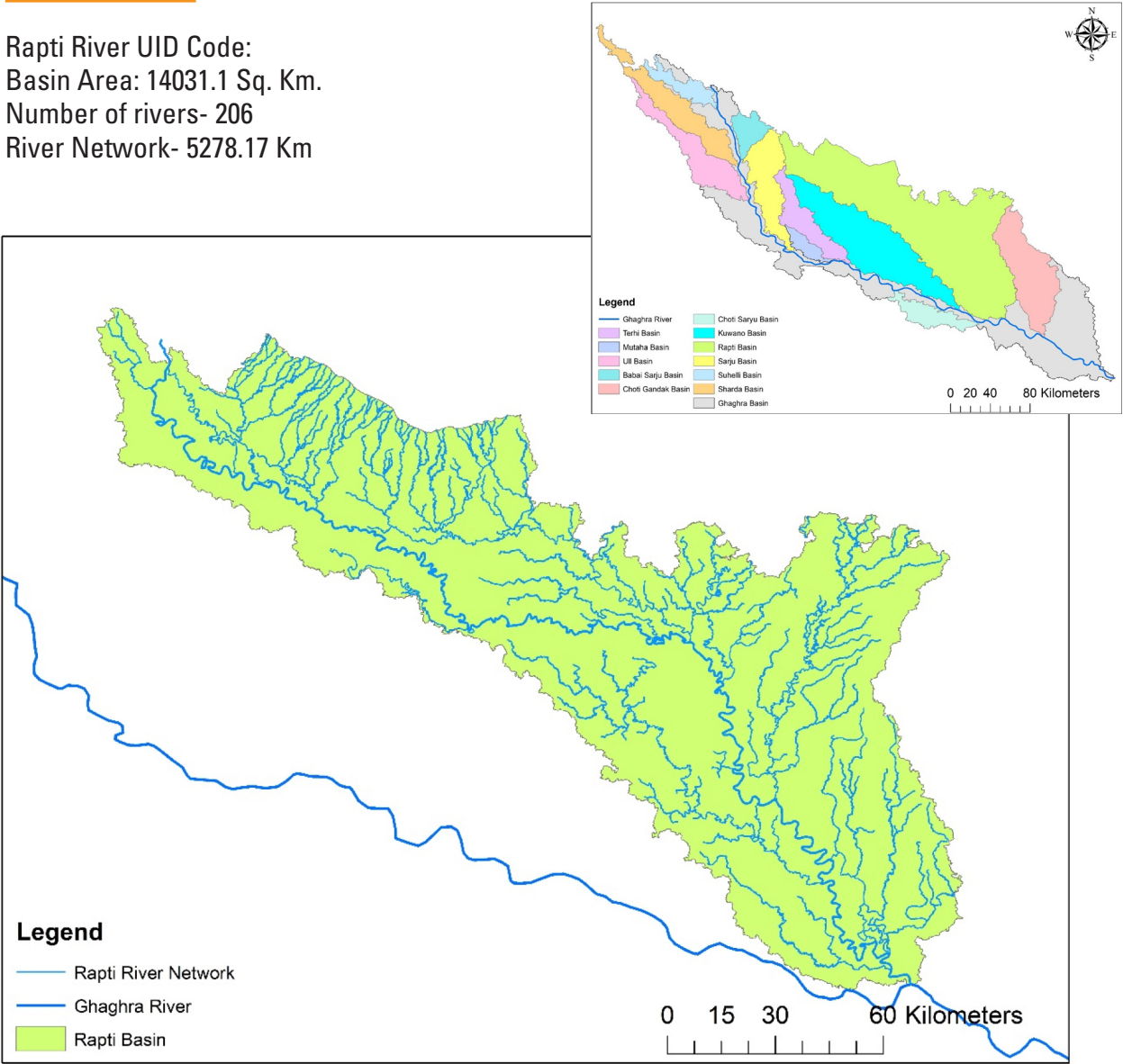


Figure: Rapti River Network

RAPTI RIVER MAINSTEM FLOW DIAGRAM

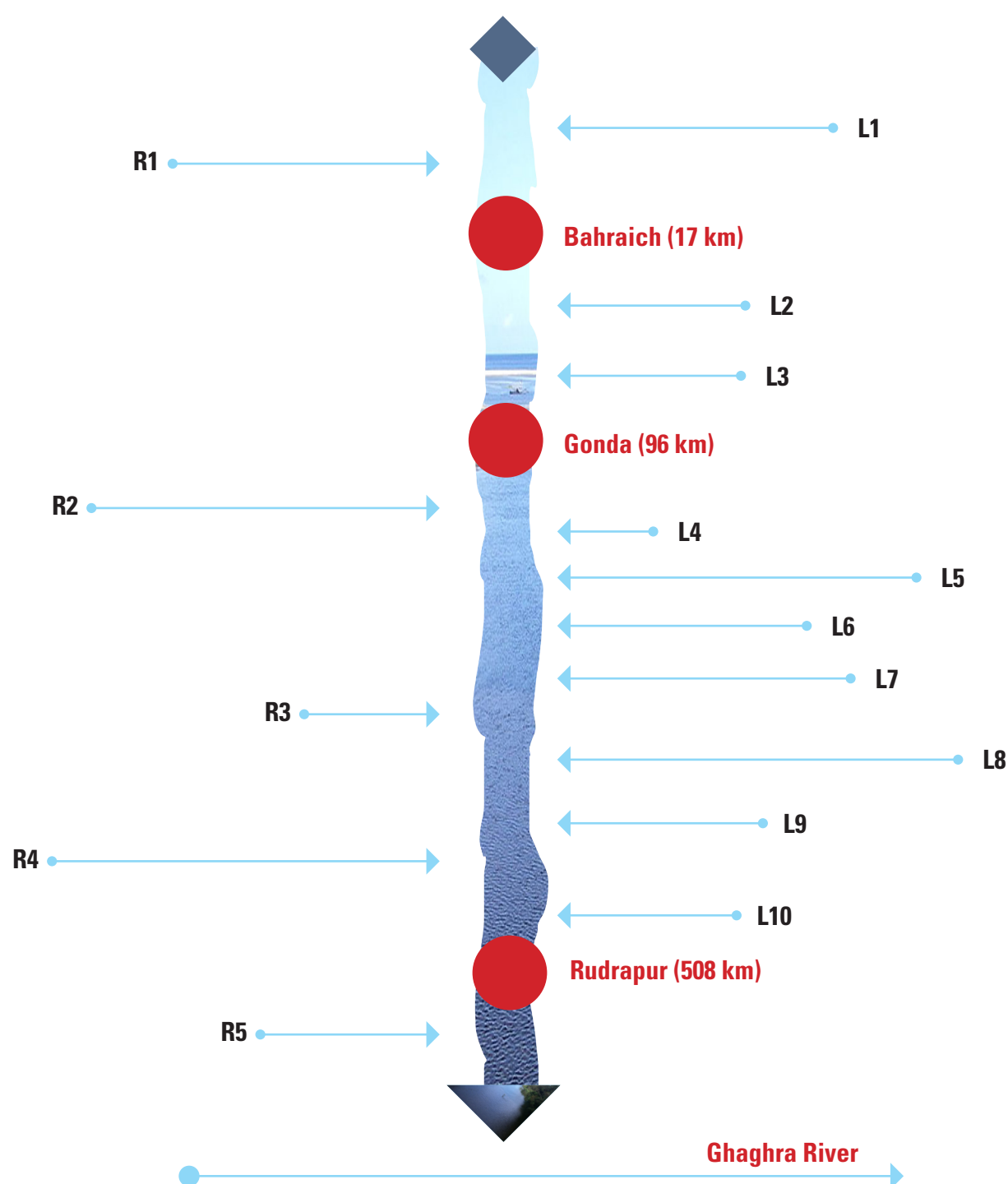


Figure: Flow Diagram of Rapti River Network

RAPTI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Repti or Khurpiwa River	L1	81.2	27.84	81.82	9
2	Stream 1	R1	35.1	27.78	81.77	17
3	Khurpiwa Nala	L2	27.6	27.57	81.99	81
4	Burhi Rapti or Burhatti Nadi	L3	27.3	27.48	82.18	96
5	Suwawan Nadi	R2	82.3	27.18	82.57	116
6	Stream 2	L4	6.68	27.20	82.89	210
7	Phajitwa Nala	L5	94.5	27.15	83.03	285
8	Dono River	L6	54	27.15	83.12	308
9	Powa Nala	L7	59.5	27.05	83.20	329
10	Churma Nala	R3	11.7	26.83	83.23	374
11	Rohini River	L8	188	26.76	83.33	398
12	Katna Nadi or Gaura Nadi	L9	44.1	26.60	83.47	439
13	Aami River	R4	191	26.55	83.45	449
14	Bathwa Nala	L10	25.8	26.37	83.62	508
15	Taraina Nadi	R5	44.3	26.33	83.62	516

SUHELI BASIN

Suheli River UID Code:
 Basin Area: 1002.36 Sq. Km.
 Number of rivers- 17
 River Network- 473.44 Km

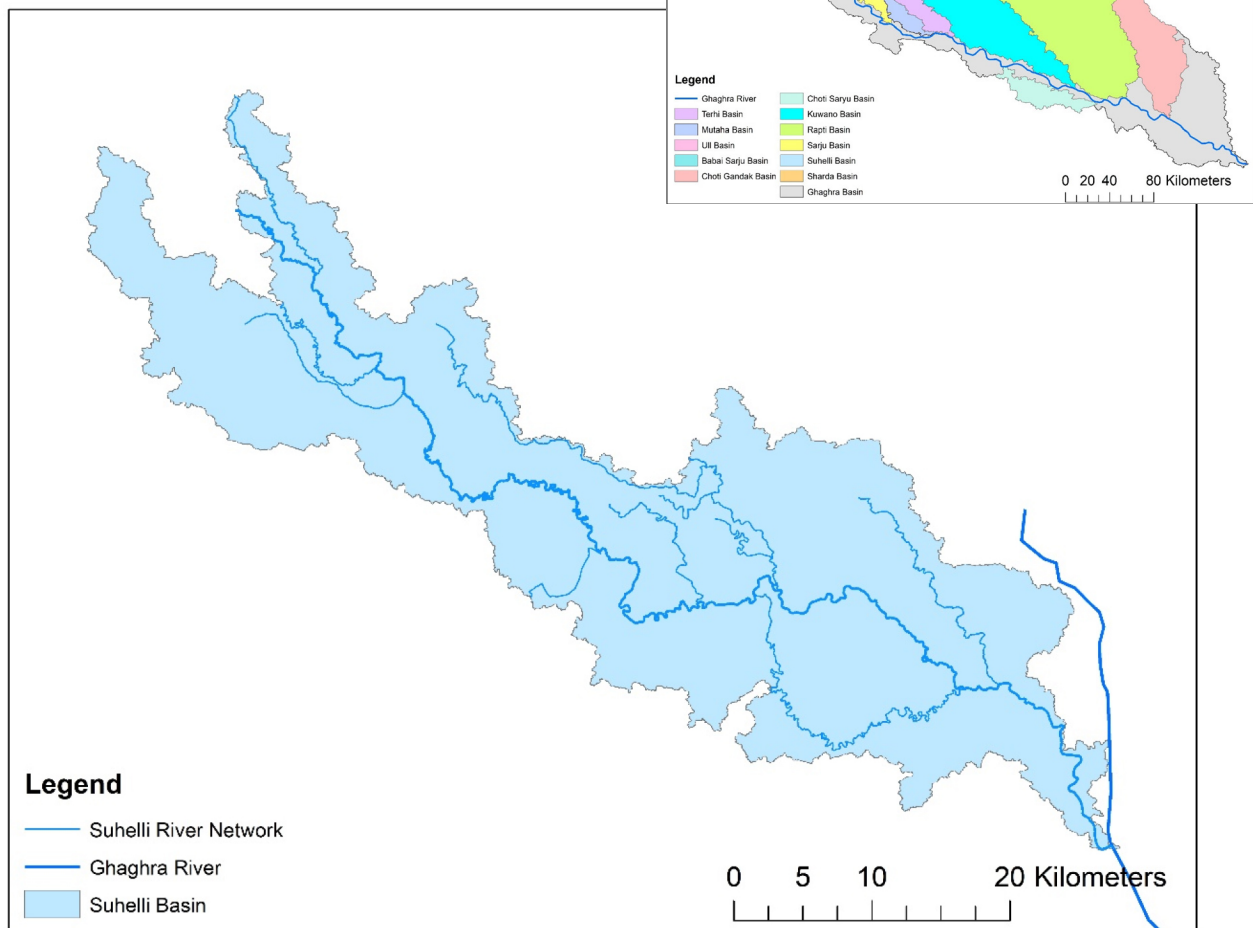


Figure: Suheli River Network

SUHELI RIVER MAINSTEM FLOW DIAGRAM

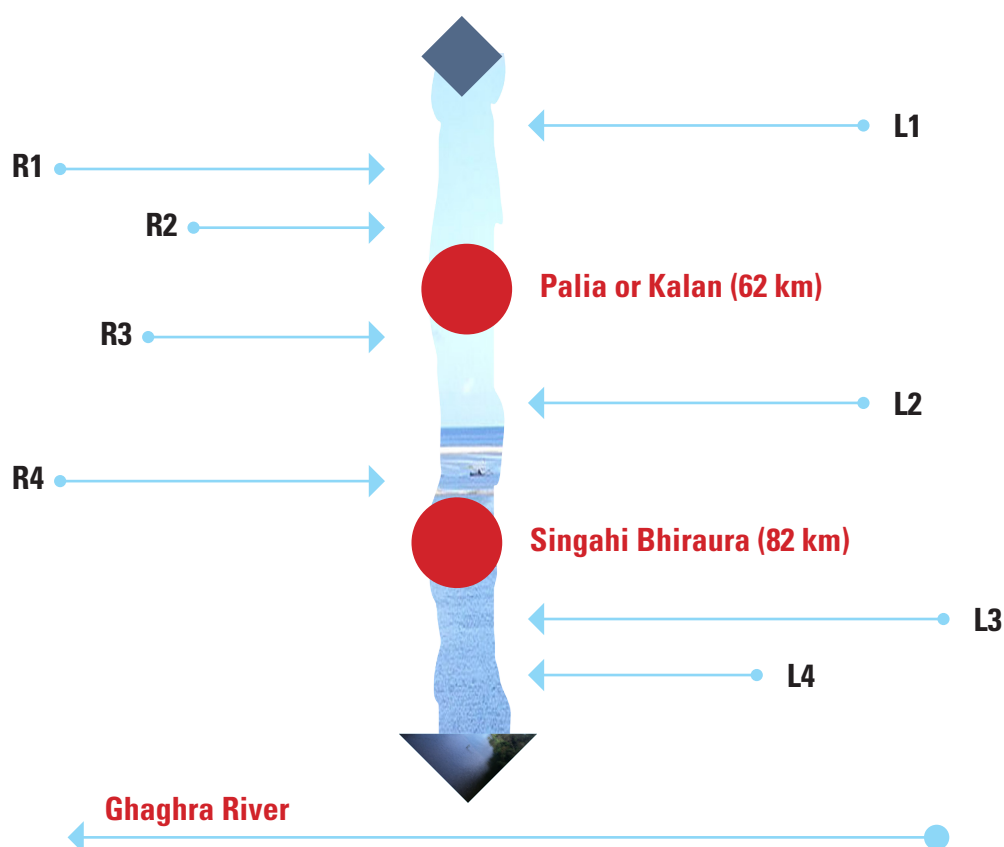


Figure: Flow Diagram of Suheli River Network

SARJU OR SUHELI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 5	L1	21.7	28.55	80.57	10
2	Stream 4	R1	31.2	28.49	80.61	22
3	Stream 3	R2	14.9	28.48	80.63	26
4	Tikona Nala	R3	13.4	28.37	80.76	62
5	Phataha Nala	L2	15.3	28.34	80.82	79
6	Stream 2	R4	44.9	28.34	80.86	84
7	Chhauwa Nala	L3	48.9	28.35	80.87	88
8	Stream 1	L4	24	28.29	81.02	113

SARJU BASIN

Sarju River UID Code:
Basin Area: 2528.93 Sq. Km.
River Network- 23

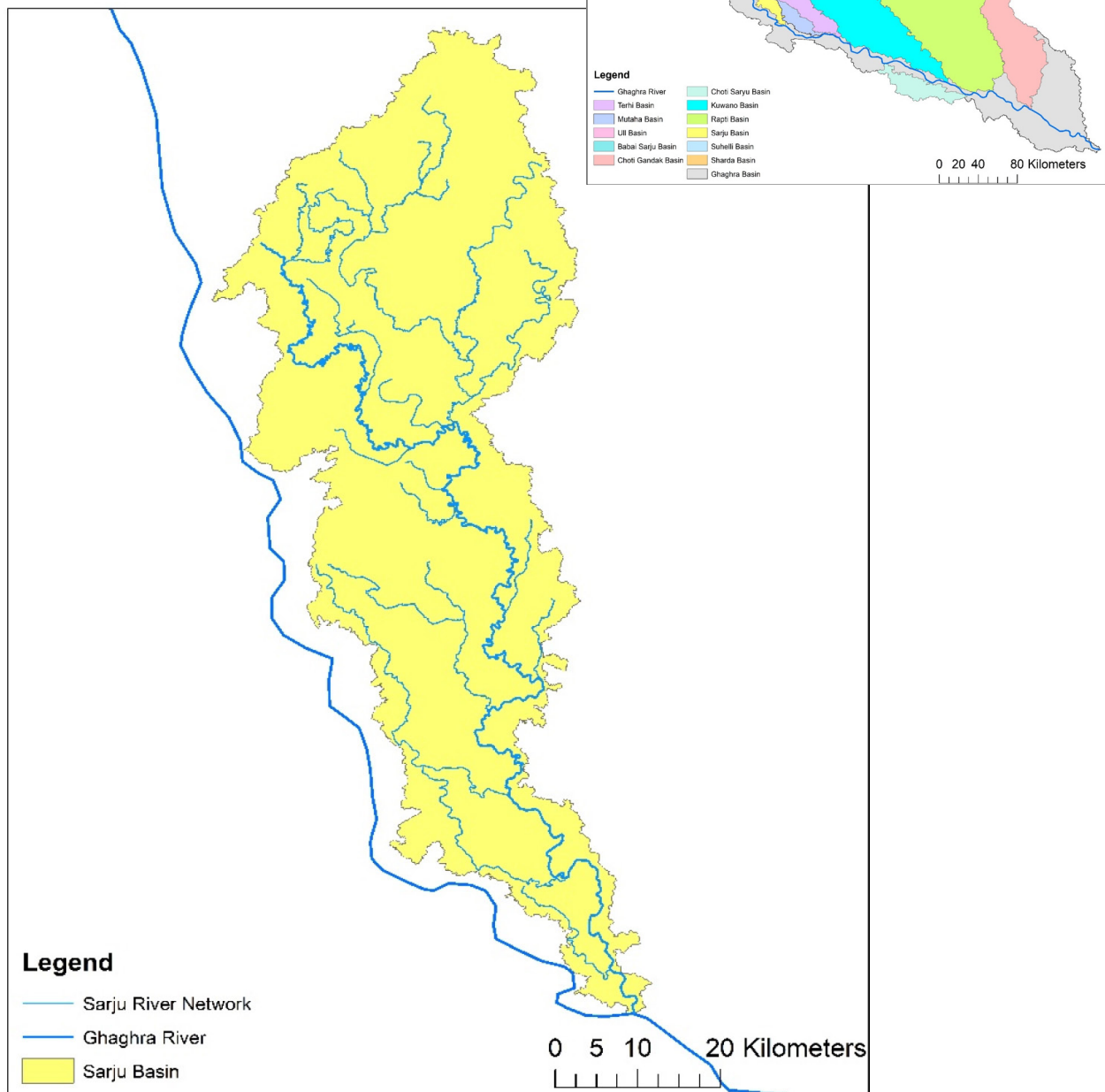


Figure: Sarju River Network

SARJU RIVER MAINSTEM FLOW DIAGRAM

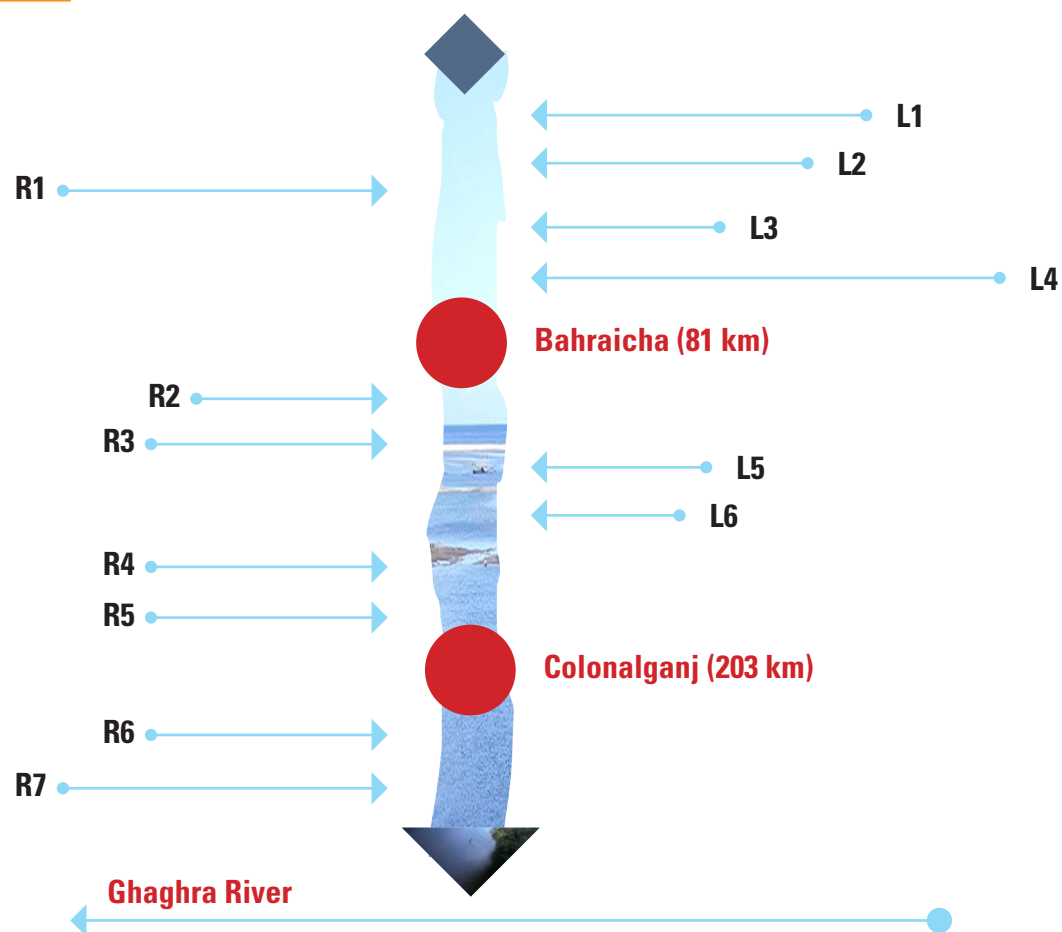


Figure: Flow Diagram of Sarju River Network

SARJU RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 4	L1	33.5	27.74	81.39	4
2	Katuwa Nala	L2	23	27.59	81.47	54
3	Sigahi Nala	R1	11.6	27.53	81.53	72
4	Stream 3	L3	17.5	27.56	81.57	80
5	Babhni Nadi	L4	69.4	27.56	81.57	81
6	Madarla Nala	R2	6.57	27.49	81.56	100
7	Soti Nala	R3	14	27.47	81.58	106
8	Narwa Nala	L5	13.2	27.35	81.63	133
9	Stream 2	L6	12.8	27.27	81.67	155
10	Sotia Nala	R4	26.4	27.24	81.61	165
11	Karhera Nala or Bhakausa Nala	R5	55	27.14	81.63	185
12	Kurai Nala	R6	35.2	27.05	81.69	203
13	Stream 1	R7	21.7	26.94	81.74	225

SHARDA BASIN

Sharda UID Code:
 Basin Area: 2769.37 Sq. Km.
 Number of rivers- 17
 River Network- 725.88 Km

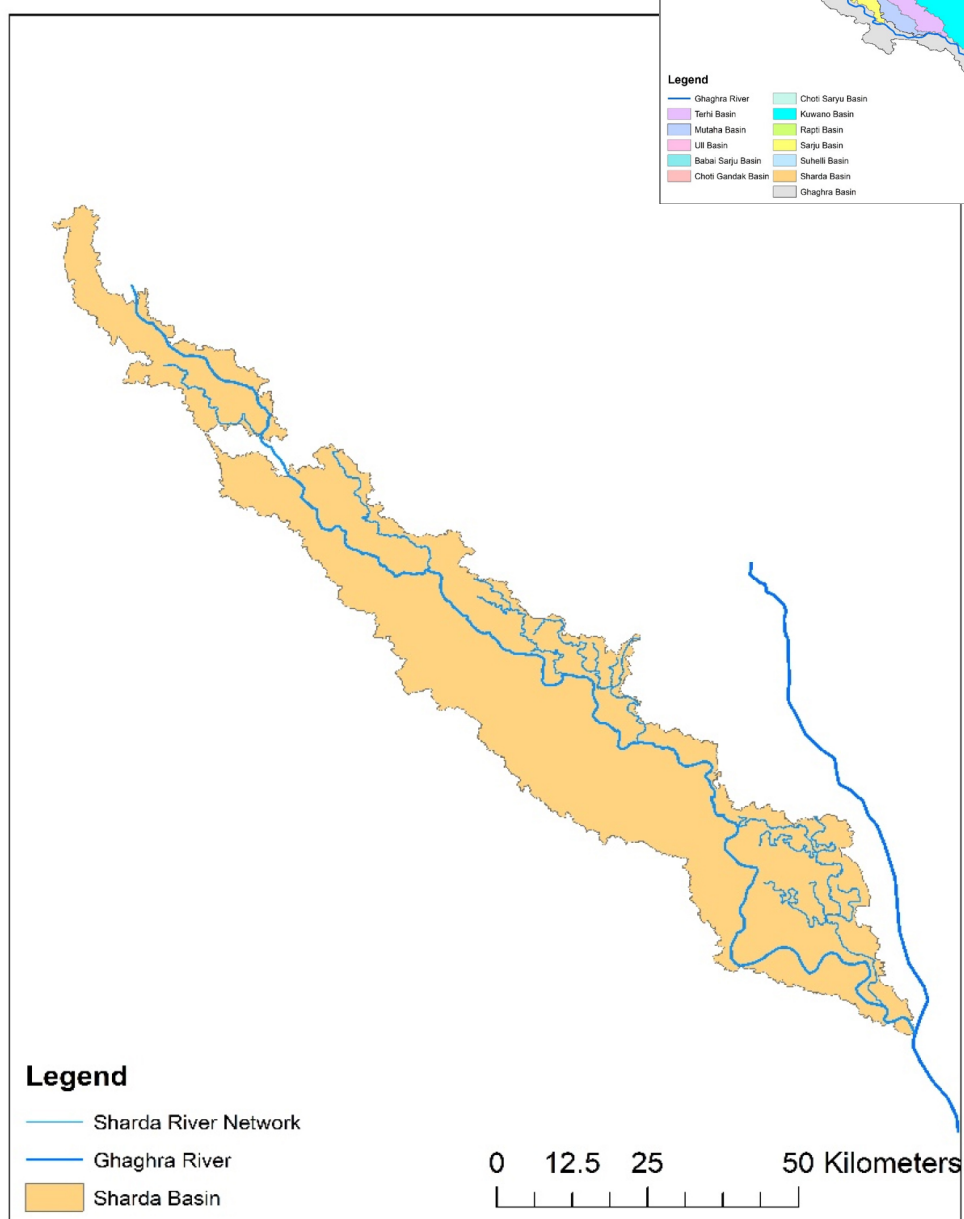


Figure: Sharda River Network

SHARDA MAINSTEM FLOW DIAGRAM

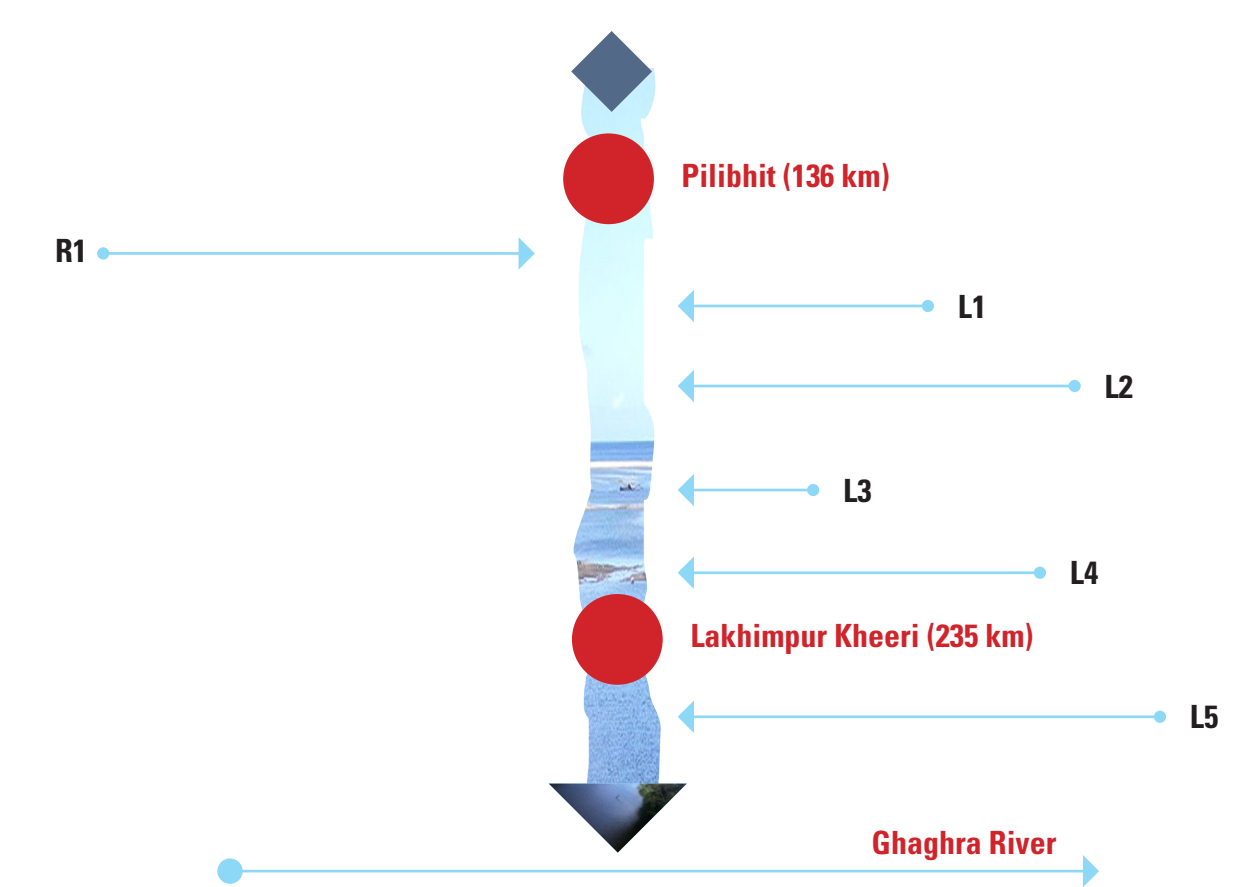


Figure: Flow Diagram of Sharda River

SHARDA RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Chuka Nadi	R1	35	28.60	80.30	136
2	Stream 1	L1	27.2	28.54	80.34	143
3	Sotia Nala	L2	52.4	28.39	80.55	177
4	Sutiya Nala	L3	13.3	28.22	80.75	212
5	Bahatiya Nadi or Ghaghi Nadi	L4	48.2	28.12	80.87	235
6	Dahawar River	L5	67.2	27.71	81.23	327

ULL BASIN

Ull UID Code:
 Basin Area: 2769.37 Sq. Km.
 Number of rivers- 17
 River Network- 725.88 Km

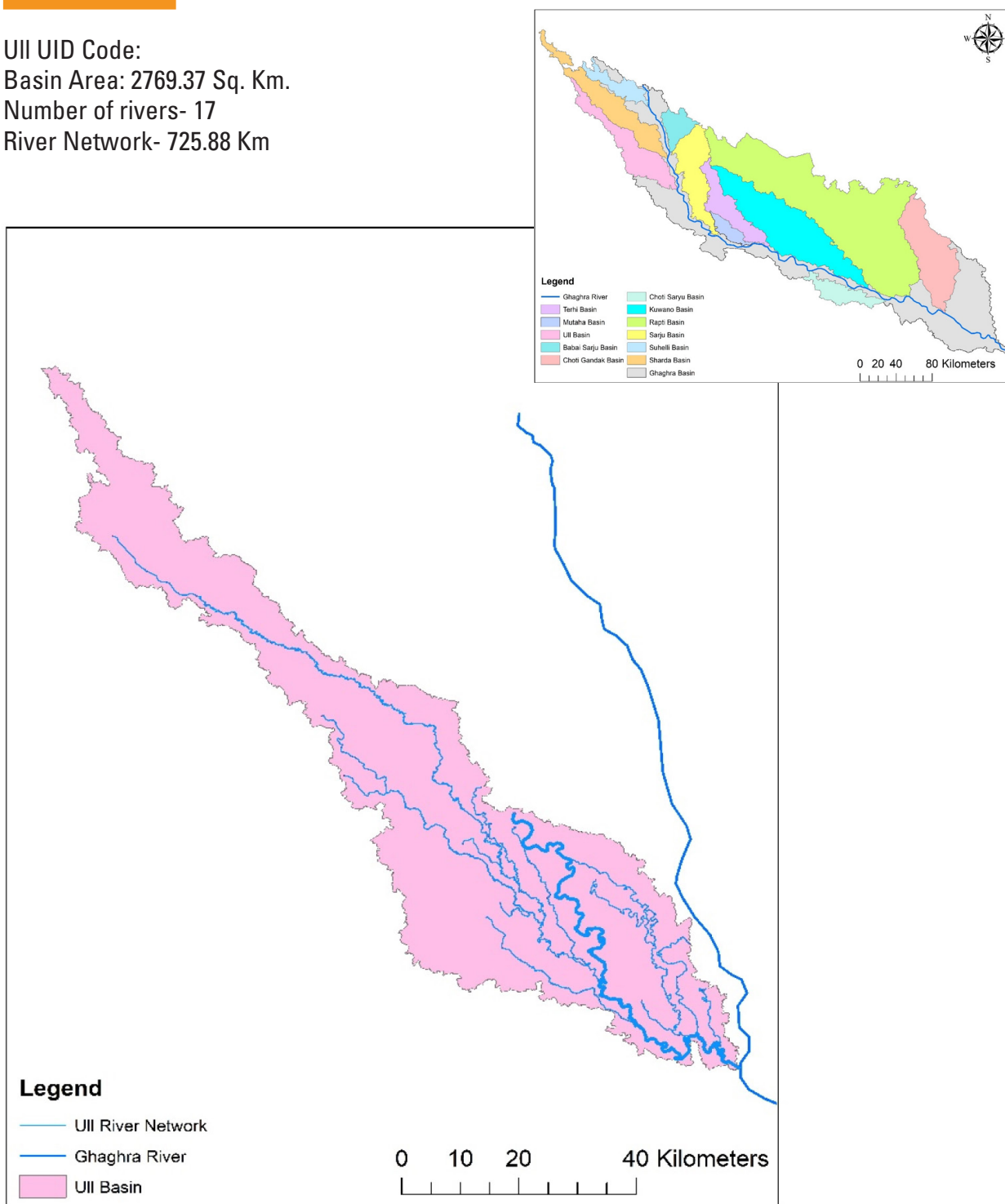


Figure: Ull River Network

ULL MAINSTEM FLOW DIAGRAM

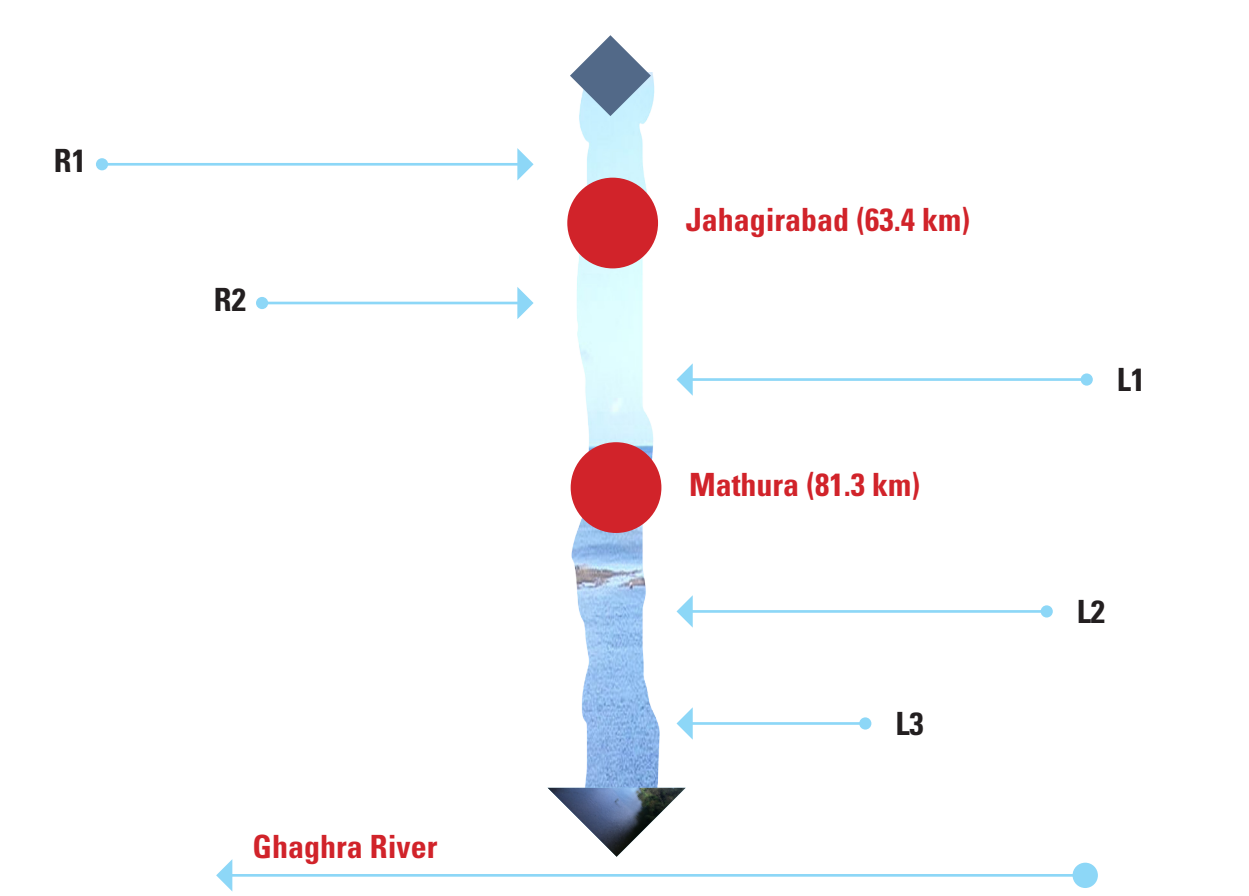


Figure: Flow diagram of Ull River

ULL RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Kewani Nadi	R1	90.7	27.50	81.16	63.4
2	Bakwa Nala	R2	41.8	27.42	81.21	102.1
3	Gobarhia Nadi	L1	62.2	27.41	81.30	81.3
4	Stream 2	L2	31.2	27.41	81.31	79.7
5	Stream 1	L3	17.2	27.39	81.34	71.94

MUTAHA DRAIN BASIN

Mutaha Drain UID Code:
 Basin Area: 719.64 Sq. Km.
 Number of rivers- 06
 River Network- 117.85 Km

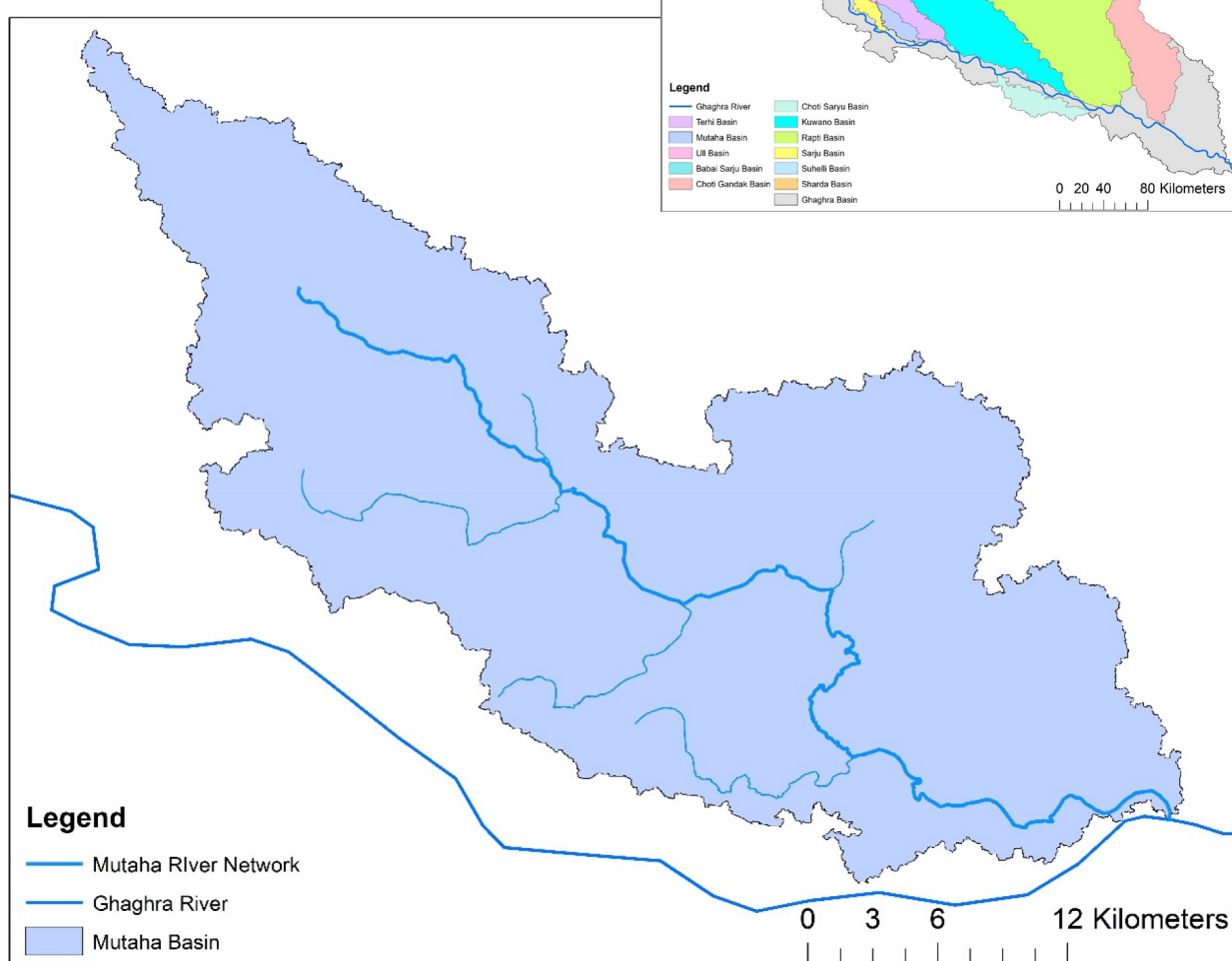


Figure: Mutaha River Network

MUTAHA MAINSTEM FLOW DIAGRAM

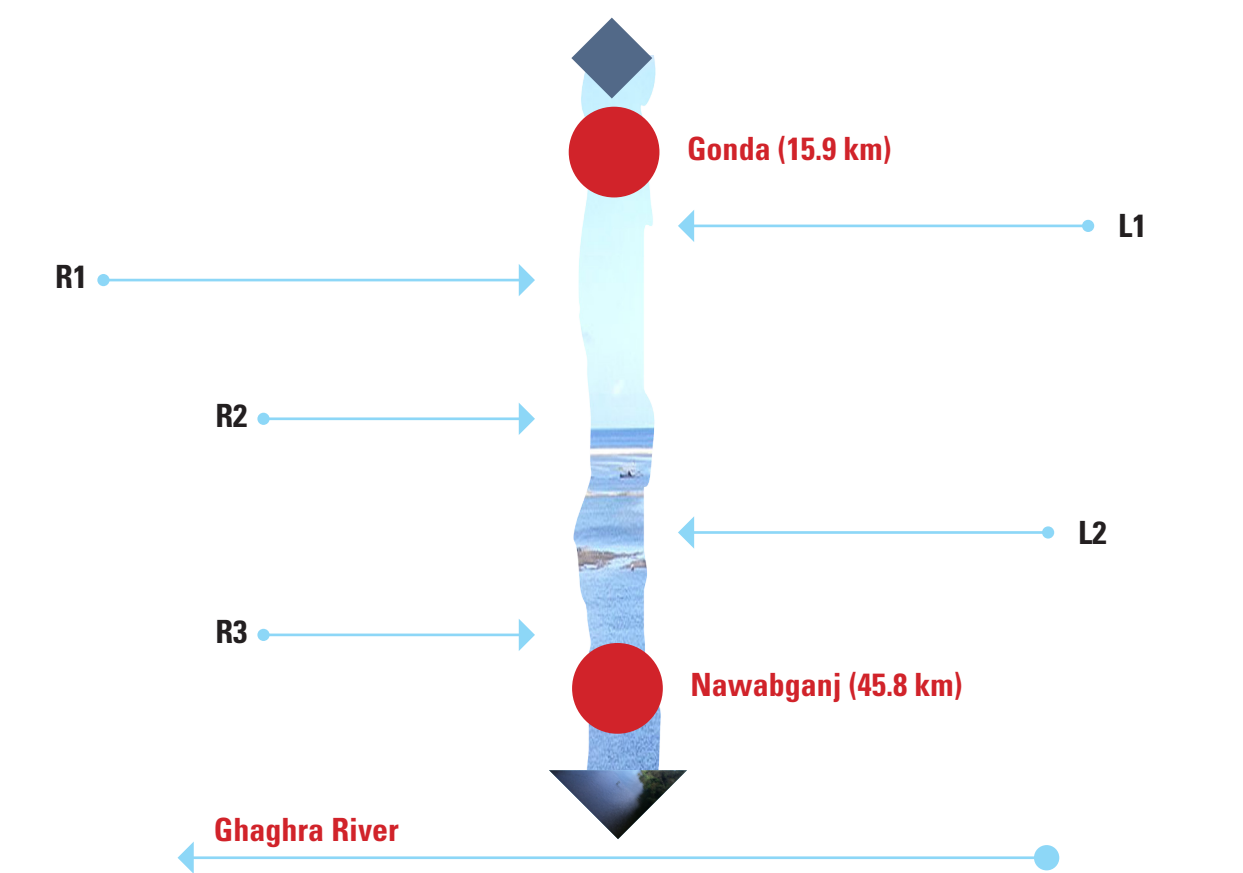


Figure: Flow Diagram of Mutaha River

MUTAHA NALA MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Stream 2	L1	3.85	26.97	81.89	15.9
2	Belai Nala	R1	16.4	26.96	81.90	17.2
3	Barsot Nala	R2	12.8	26.91	81.95	26
4	Stream 1	L2	4.1	26.91	82.01	33.3
5	Bhagla Nala	R3	16.2	26.85	82.02	45.8

TERHI BASIN

Terhi River UID Code:
 Basin Area: 1756.12 Sq. Km.
 Number of rivers- 11
 River Network- 414.83 Km

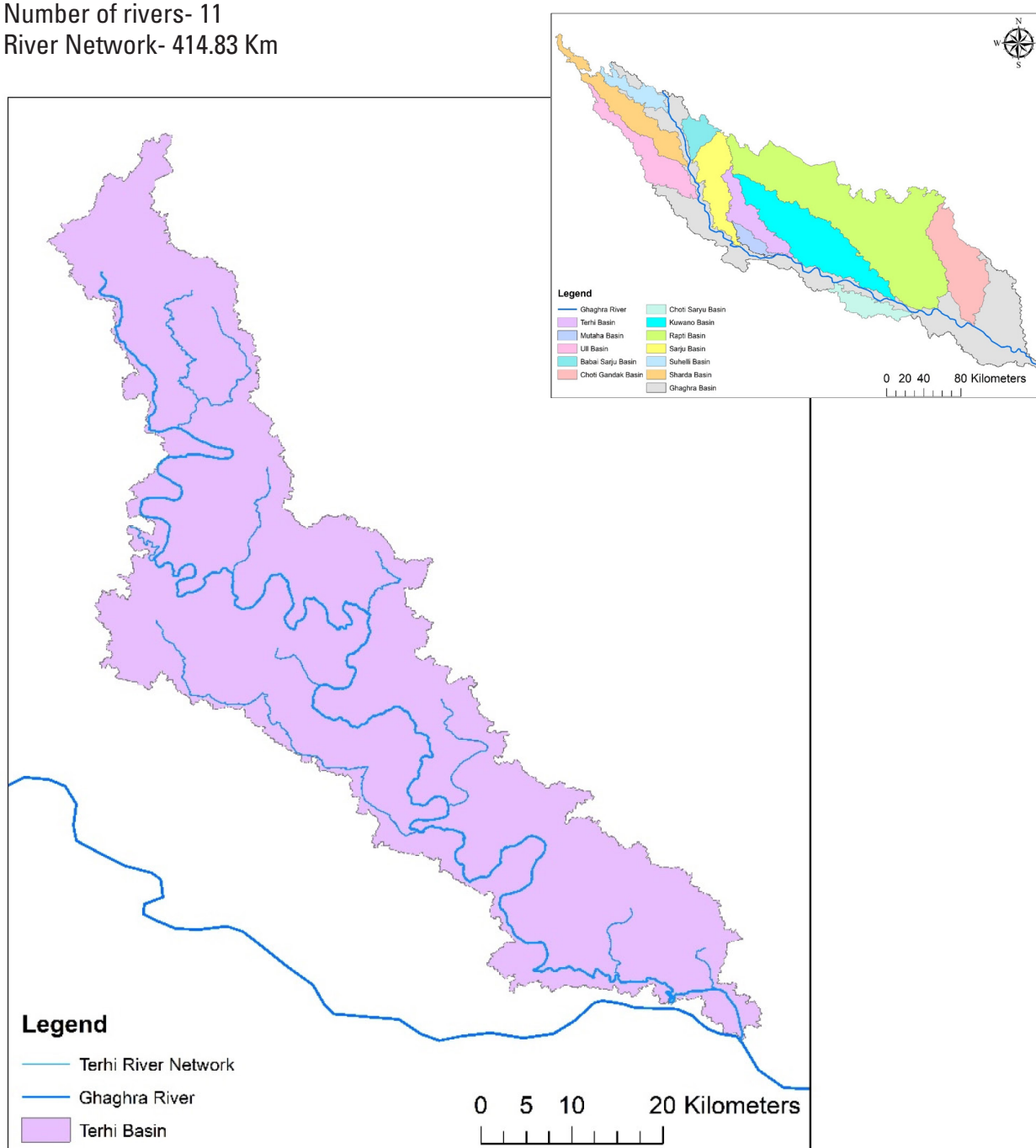


Figure: Terhi river network

TERHI RIVER MAINSTEM FLOW DIAGRAM

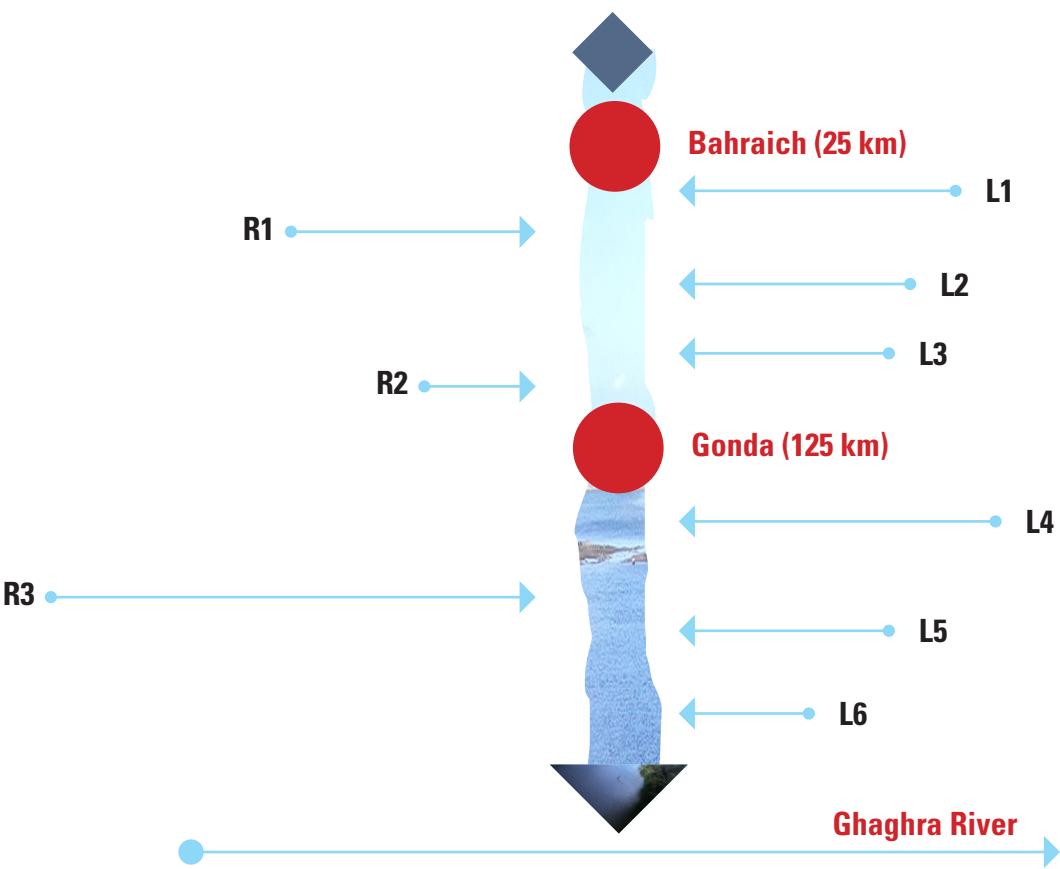
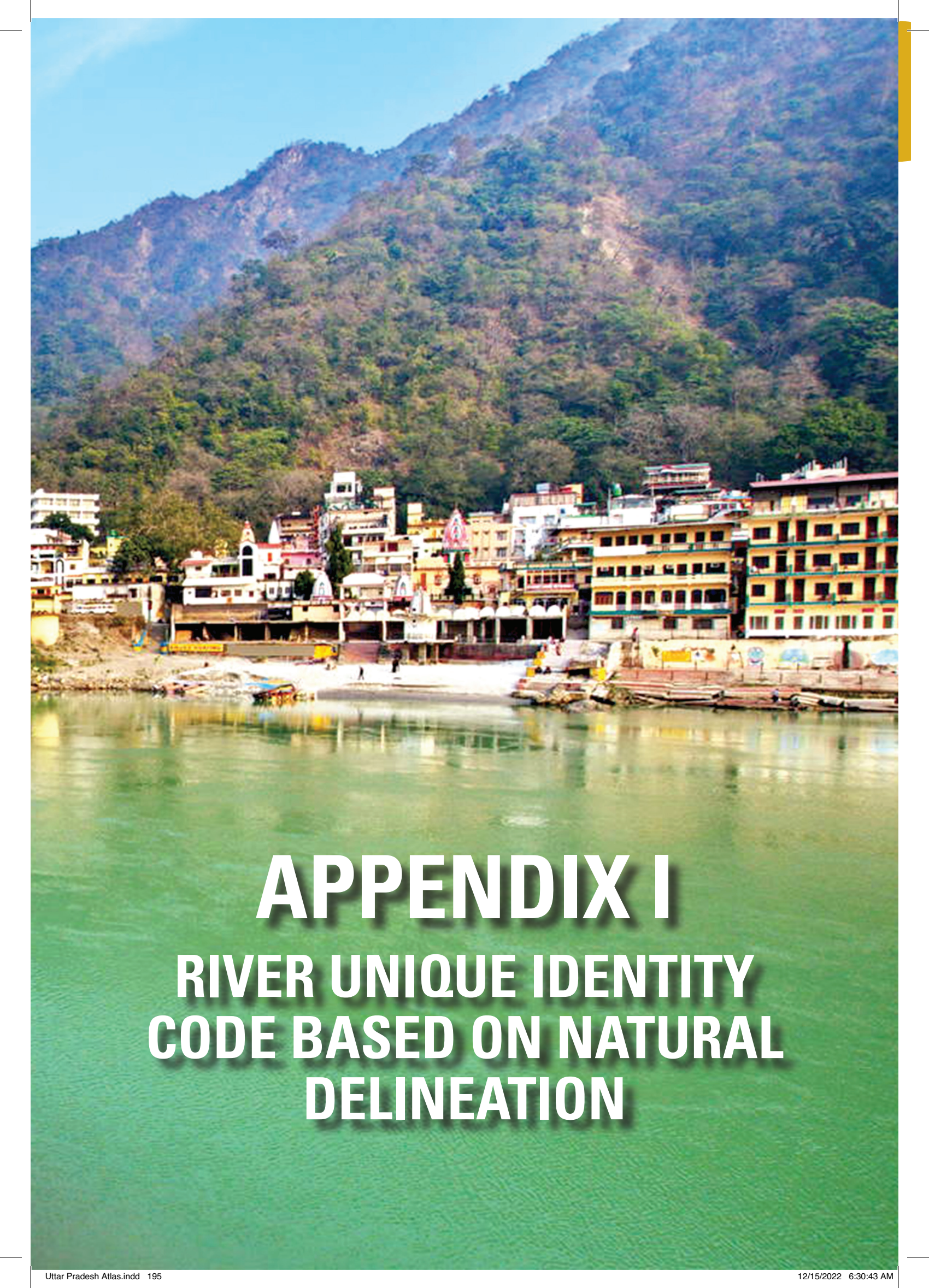


Figure: Flow diagram of Terhi river

TERHI RIVER MAINSTEM NETWORK						
S.No.	River Name	Confluence Bank	River Length (Km)	Confluence Co-ordinate		Distance from origin (km)
				Lat	Long	
1	Jamwar Nala	L1	27.4	27.39	81.72	25
2	Stream 2	R1	8.36	27.26	81.69	57
3	Barikundia Nala	L2	15	27.24	81.77	76
4	Ghaghwa Nala	L3	12.5	27.21	81.90	112
5	Nagaria Nala	R2	7.69	27.13	81.86	125
6	Chaubepur Nala	L4	20.1	27.01	81.99	158
7	Chandahi Nadi	R3	49.2	26.99	81.96	164
8	Stream 1	L5	10.7	26.84	82.15	218
9	Ghadhauwa Nala	L6	6.58	26.83	82.25	234

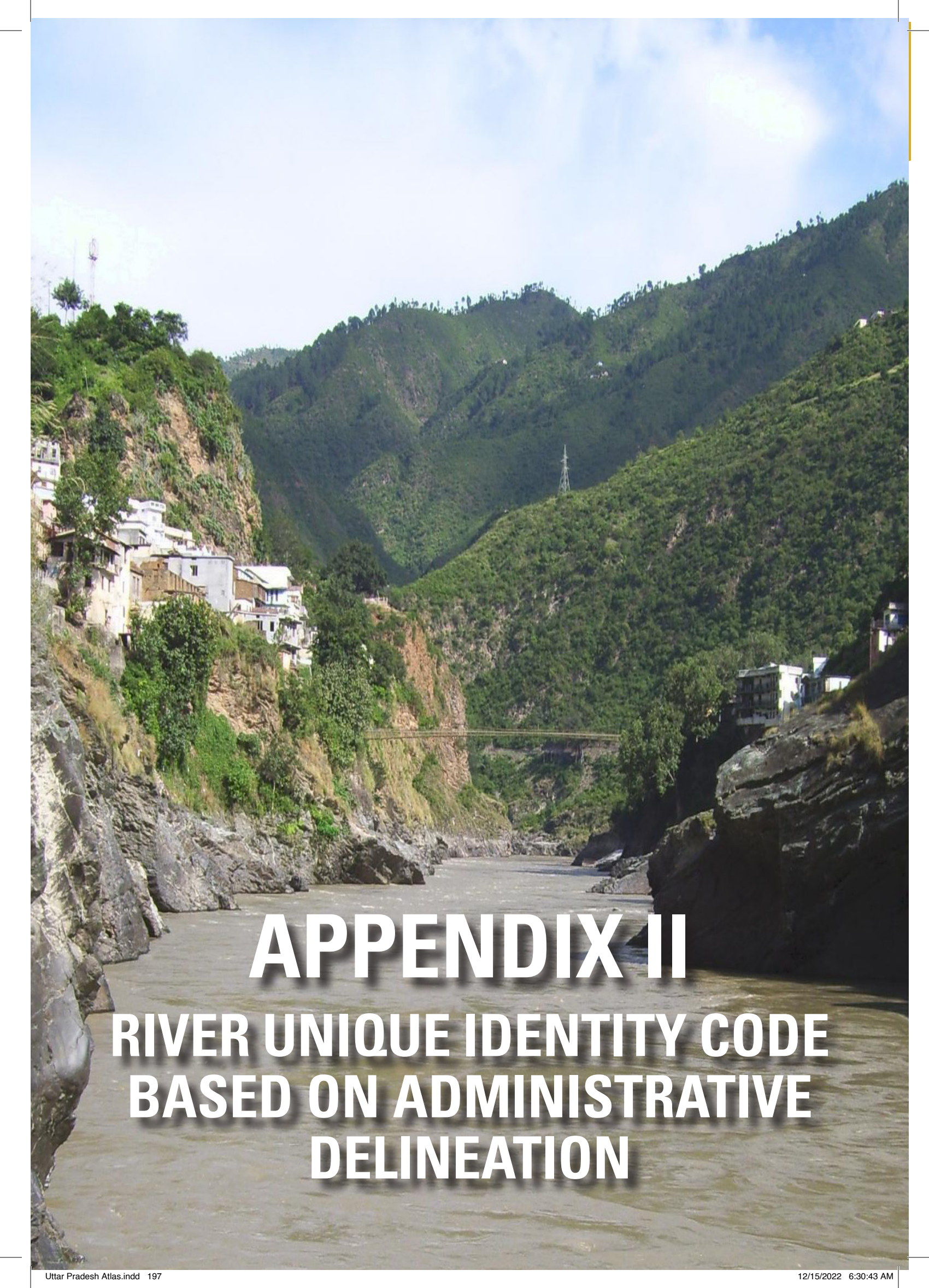


APPENDIX I

RIVER UNIQUE IDENTITY CODE BASED ON NATURAL DELINEATION

RIVER UNIQUE IDENTITY CODE BASED ON NATURAL DELINEATION: UTTAR PRADESH

S.No	River Code	Origin Data			Confluence Data				
	Unique Identification Number	Co-ordinate		Ele (m)	Co-ordinate		Ele (m)	Confluence with	Length Of the river (km.)
		Lat	Long		Lat	Long			
1	02-R-23-L-XX	30.28	77.84	761	28.41	77.49	189	Yamuna	371
2	02-R-23-L-XX-L-01	30.27	77.85	742	30.27	77.84	632	Hindon	0.94
3	02-R-23-L-XX-R-01	30.27	77.84	728	30.27	77.84	609	Hindon	1.56
4	02-R-23-L-XX-R-01-R-01	30.27	77.84	717	30.27	77.84	664	Stream 20	0.41
5	02-R-23-L-XX-L-02	30.26	77.84	659	30.26	77.84	587	Hindon	1.35
6	02-R-23-L-XX-R-02	30.28	77.83	714	30.25	77.82	536	Hindon	3.80
7	02-R-23-L-XX-R-02-L-02	30.27	77.84	723	30.26	77.83	583	Stream 18	1.58
8	02-R-23-L-XX-R-02-L-02	30.28	77.83	699	30.27	77.83	603	Stream 18	1.69
9	02-R-23-L-XX-R-02-R-01	30.28	77.83	760	30.27	77.82	622	Stream 18	1.86
10	02-R-23-L-XX-L-03	30.22	77.81	443	30.20	77.80	386	Hindon	3.51
11	02-R-23-L-XX-R-03	30.21	77.79	401	30.18	77.79	361	Hindon	2.95
12	02-R-23-L-XX-L-04	30.20	77.82	419	30.16	77.78	342	Hindon	7.11
13	02-R-23-L-XX-L-05	30.18	77.81	384	30.16	77.78	336	Hindon	4.62
14	02-R-23-L-XX-L-06	30.15	77.79	348	30.14	77.77	327	Hindon	2.13
15	02-R-23-L-XX-L-07	30.12	77.77	322	30.06	77.73	290	Hindon	9.12
16	02-R-23-L-XX-L-08	30.06	77.74	298	30.05	77.73	290	Hindon	1.71
17	02-R-23-L-XX-R-04	30.18	77.77	356	29.94	77.61	270	Hindon	50.5
18	02-R-23-L-XX-R-04-R-01	30.22	77.79	421	30.18	77.77	355	Nagdev	4.83
19	02-R-23-L-XX-R-04-L-01	30.20	77.79	389	30.18	77.76	349	Nagdev	3.97



APPENDIX II

RIVER UNIQUE IDENTITY CODE BASED ON ADMINISTRATIVE DELINEATION

RIVER UNIQUE IDENTITY CODE BASED ON ADMINISTRATIVE DELINEATION: UTTAR PRADESH

S.No	River Code	Village/ Town Entry Data		Village/ Town Exit Data		
	Unique Identification Number	Coordinates		Coordinates		Village/Town
		Lat	Long	Lat	Long	
1	356-UP-132-XX-02-01	30.276471°	77.844286°	30.210012°	77.803302°	Barkala Reserved Forest
2	356-UP-132-XX-02-01	30.210012°	77.803302°	30.189509°	77.793323°	Kaluwala Paharipur
3	356-UP-132-XX-02-01	30.189509°	77.793323°	30.166620°	77.780223°	Naurangpur
4	356-UP-132-XX-02-01	30.166620°	77.780223°	30.135582°	77.763438°	Jayantipur
5	356-UP-132-XX-02-01	30.135582°	77.763438°	30.132958°	77.747272°	Jayantipur
6	356-UP-132-XX-02-01	30.132958°	77.747272°	30.120914°	77.730580°	Fakirpur
7	356-UP-132-XX-02-01	30.120914°	77.730580°	30.095692°	77.724410°	Khujnawar
8	356-UP-132-XX-02-01	30.095692°	77.724410°	30.080357°	77.730442°	Muradnagar
9	356-UP-132-XX-02-01	30.080357°	77.730442°	30.064793°	77.727079°	Nasrullapur
10	356-UP-132-XX-02-01	30.064793°	77.727079°	30.044351°	77.727166°	Chaundaheri
11	356-UP-132-XX-02-01	30.044351°	77.727166°	30.032921°	77.724812°	Ibrahimpur
12	356-UP-132-XX-02-01	30.032921°	77.724812°	30.028274°	30.028274°	Jajner
13	356-UP-132-XX-02-01	30.028274°	30.028274°	30.011739°	77.690159°	Budakhera
14	356-UP-132-XX-02-01	30.011739°	77.690159°	29.997545°	77.691346°	Muhammadpur Tiwaya
15	356-UP-132-XX-02-01	29.997545°	77.691346°	29.987900°	77.664425°	Haraura
16	356-UP-132-XX-02-01	29.987900°	77.664425°	29.983580°	77.663332°	Tiwaya
17	356-UP-132-XX-02-01	29.983580°	77.663332°	29.975966°	77.655786°	Gagalheri
18	356-UP-132-XX-02-01	29.975966°	77.655786°	29.967299°	77.653606°	Dinarpura
19	356-UP-132-XX-02-01	29.967299°	77.653606°	29.953238°	77.636352°	Khajuri Akbarpur
20	356-UP-132-XX-02-01	29.953238°	77.636352°	29.951082°	77.615581°	Papreki Rasulpur
21	356-UP-132-XX-02-01	29.951082°	77.615581°	29.943802°	77.605731°	Beherki
22	356-UP-132-XX-02-01	29.943802°	77.605731°	29.926995°	77.594413°	Hasanpur Bhalsua
23	356-UP-132-XX-02-01	29.926995°	77.594413°	29.910113°	77.605353°	Kapasa
24	356-UP-132-XX-02-01	29.910113°	77.605353°	29.893998°	77.586408°	Lakhanpur
25	356-UP-132-XX-02-01	29.893998°	77.586408°	29.879377°	77.580704°	Belra Zunarsar
26	356-UP-132-XX-02-01	29.879377°	77.580704°	29.873939°	77.572177°	Firozpur
27	356-UP-132-XX-02-01	29.873939°	77.572177°	29.862749°	77.570345°	Nanandi
28	356-UP-132-XX-02-01	29.862749°	77.570345°	29.855308°	77.568113°	Zainpur
29	356-UP-132-XX-02-01	29.855308°	77.568113°	29.852033°	77.568739°	Saragthal Rampur



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