भारतीय वन्यजीव संस्थान
Wildlife Institute of India

PLANNING AND MANAGEMENT FOR AQUATIC SPECIES CONSERVATION AND MAINTENANCE OF ECOSYSTEM SERVICES IN THE GANGA RIVER BASIN FOR A CLEAN GANGA

Project Progress Report - Uttar Pradesh

January - December 2023

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ECOLOGICAL SURVEY

1.

Effective conservation of aquatic ecosystems at a riverscape level demands meticulous planning grounded in a robust ecological understanding, aligned with socio-economic goals, and fortified by substantial socio-political support. The primary goal of this project is to augment conservation efforts in specified locations along the main stem of the Ganga River and expand these activities to the basin level. In pursuit of this objective, the lead teams from the Wildlife Institute of India, which include officials from the state Forest Department and the scientific team from the Ganga Aqualife Conservation Monitoring Centre, are actively engaged in activities such as training, ecological surveys, and initiatives to enhance the livelihoods and skills of local communities. These endeavours aim to contribute to biodiversity conservation and the maintenance of ecosystem services, with the overarching aim of achieving a cleaner Ganga. Following which major tributaries and sub-tributaries of Gana falling in the state of Uttar Pradesh were surveyed between January 2023 and November 2023.

1.1 GHAGHRA RIVER

A survey was undertaken in the Ghaghra River, between Girijapuri barrage in Uttar Pradesh and Revelganj in Bihar near the confluence of Ghaghra with Ganga River, covering a distance of 615 km, during March-April 2023. Gangetic dolphin (*Platanista gangetica*), gharial (*Gavialis gangeticus*), mugger (*Crocodylus palustris*), and freshwater turtles including Indian softshell turtle (*Nilssonia gangetica*) were recorded during the survey. Additionally, 88 water and water-associated bird species were documented during the survey. Furthermore, congregations of Indian skimmers (*Rynchops albicollis*) at

two sites with 24 and 48 individuals, respectively, were observed. The individuals of Caspian tern (*Hydroprogne caspia*), grey plover (*Pluvialis squatarola*), black-faced bunting (*Emberiza spodocephala*), black stork (*Ciconia nigra*) were recorded from the Ghaghra River. Sighting of the grey plover in Ghaghra River is the first recording of the species from the Ganga River Basin.

1.2 YAMUNA RIVER

About 400 km of the lower Yamuna River stretch from Pachnada to Prayagraj in Uttar Pradesh was surveyed between February and March 2023. During the survey, Gangetic dolphin were sighted 12 km downstream of the Yamuna-Betwa confluence, and 89 water and water associated bird species were recorded. A large congregation of Indian skimmers (n=310) was recorded near Prayagraj, Uttar Pradesh.

1.3 RAMGANGA RIVER

A total of 540 km stretch of the Ramganga River, from Dhikala (Corbett Tiger Reserve) to Ganga confluence near Kusumkhor of District Kannauj, Uttar Pradesh, was surveyed during May-June 2023. During the survey, sightings of water and water-associated birds, including island nesting birds, were recorded. Interestingly, only a single nesting site was observed throughout the surveyed stretch. Additionally, seven species of turtle were also recorded during the survey.

1.4 BABAI RIVER

The 80 km stretch of the Babai River from Babai barrage in the Nanparain Bahraich district, Uttar Pradesh, to the Babai-Ghaghra confluence near Chahlari Ghat, Uttar Pradesh, was surveyed. During the survey, Gangetic dolphin, gharial, mugger, four species of turtles and 28 species of water and water-associated birds were observed.

1.5 GIRWA RIVER

A 20 km stretch of the Girwa River from the India-Nepal border to Girijapuri Barrage in Katarniaghat Wildlife Sanctuary, Uttar Pradesh, was surveyed in February 2023. During the survey, the Gangetic dolphin, smooth-coated otter (*Lutrogale perspicillata*), gharial, mugger, three species of turtles and 15 species of water and water-associated birds were recorded.

1.6 KAURIALA RIVER

A 20 km stretch of the Kauriala River from the India-Nepal border to Girija Barrage along the Katernaighat Wildlife Sanctuary was surveyed in February 2023. During the survey, Gangetic dolphin, gharial, mugger, two species of turtles and ten species of water and water associated birds were recorded.

1.7 WATERBIRDS NESTING SURVEY

During the nesting survey of the river islands in the Yamuna, Ghaghra and Gandak rivers, a total of 10 species of birds were found to be nesting, including Indian skimmer (*Rynchops albicollis*), river tern (*Sterna aurantia*), river lapwing (*Vanellus duvaucelii*), little ringed plover (*Charadrius dubius*), little tern (*Sternula albifrons*), red wattled lapwing (*Vanellus indicus*), Indian thick-knee (*Burhinus indicus*), pheasant-tailed jacana (*Hydrophasianus chirurgus*), small pratincole (*Glareola lactea*), and blue-tailed bee-eater (*Merops philippinus*). In the Ghaghra River, a total of 10 species were recorded, including Indian skimmer, river tern, river lapwing, little ringed plover, little tern, red-wattled lapwing, Indian thick-knee,pheasant-tailed jacana, small pratincole and blue-tailed bee-eater. Only red-wattled lapwing and small pratincole were recorded from the Yamuna and Gandak rivers, respectively. No of eggs or nests of any waterbirds were recorded from the Gandak River, as most of the river islands were submerged due to irregular water discharge from the Valmikinagar barrage.

1.8 AMPHIBIAN SURVEY

During the amphibian survey of the Yamuna, Ghaghra and Gandak rivers, a total of seven species representing four families, namely Bufonidae, Dicroglossidae, Microhylidae and Rhacophoridae were recorded. The skittering frog (*Euphlyctis cyanophlyctis*), and Indian bull frog (*Hoplobatrachus tigerinus*) were recorded from all three surveyed rivers. The ornamented pigmy frog (*Microhyla ornate*) was recorded from the Yamuna and Ghaghra rivers. The common Asian toad (*Duttaphrynus melanostictus*), dudhwa tree frog (*Chirixalus dudhwaensis*) and Indian tree frog (*Polypedates maculatus*) were recorded only from the Ghaghra River, and the Terai cricket frog (*Minervarya teraiensis*), was recorded only from the Yamuna River.

1.9 VEGETATION SURVEY

The vegetation survey was conducted in about 2,450 km stretch along the Ganga, Gandak and Son rivers between January and May 2023. During the survey, about 610 plant species were recorded from the Ganga River, 260 plant species from the Gandak River, and about 110 plant species from the 50 km stretch of the Son River. Among these recorded plant species, Asteraceae, Fabaceae, Poaceae, and Acanthaceae represent the dominant families.

1.10 TELEMETRY STUDY

In June 2022 two individuals of Indian Skimmer (*Rynchops albicollis*) and two individuals of the Sarus crane (*Grus antigone*) were captured and tagged with backpack harness type solar Platform transmitting terminal (PTT) using a Teflon ribbon. During the capture morphometric measurements such as wing length, tarsus length and bill length, weight and age of each bird were recorded. We fixed Solar PTT (< 2.5% weight of the body weight) equipped with rechargeable battery (Microwave Telemetry Inc.) working on 2G/3G module with an accelerometer, magnetometer, temperature, and light intensity sensors to record activity, along with location and altitude. Each of these parameters were recorded every 6 hours.

The individuals of Indian Skimmer and Sarus Crane were tracked for 310 and 301 days respectively (Figure 1 and 2). Indian Skimmer individual 1(IN1) travelled a total of 32,655 km with an average per day movement of 105.3 km. While, total distance covered by Sarus Crane individual-1 (SC1) was 874 km and Sarus Crane individual-2 (SC2) 1501 km, with average distance covered per day was 2.9 km and 5.1 km for SC1 and SC2 respectively. The IN1 travelled and visited Ganga, Ramganga and Ghaghra rivers in India and Nijum Dwip in Bangladesh.

Figure 1: Movement pattern of Indian Skimmer (*Rynchops albicollis*)

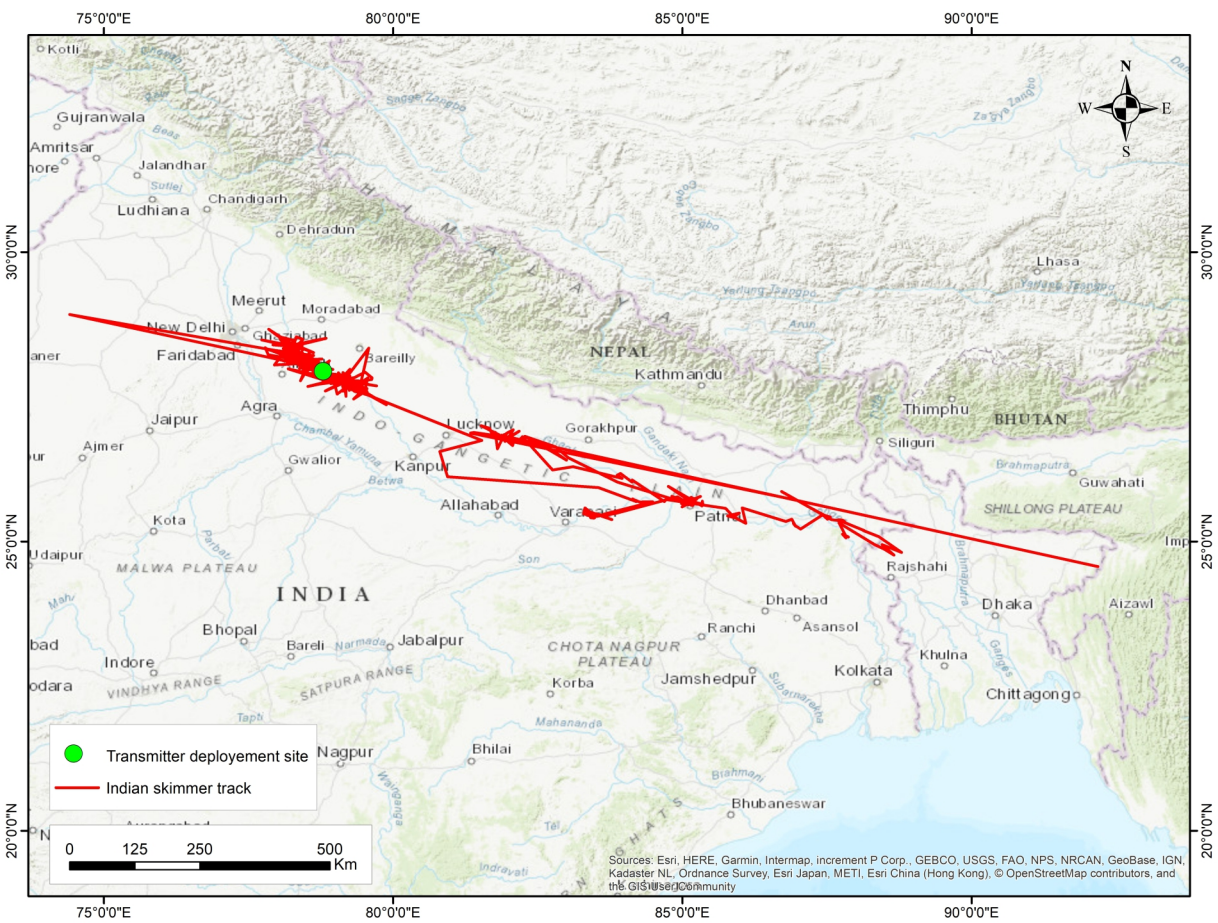
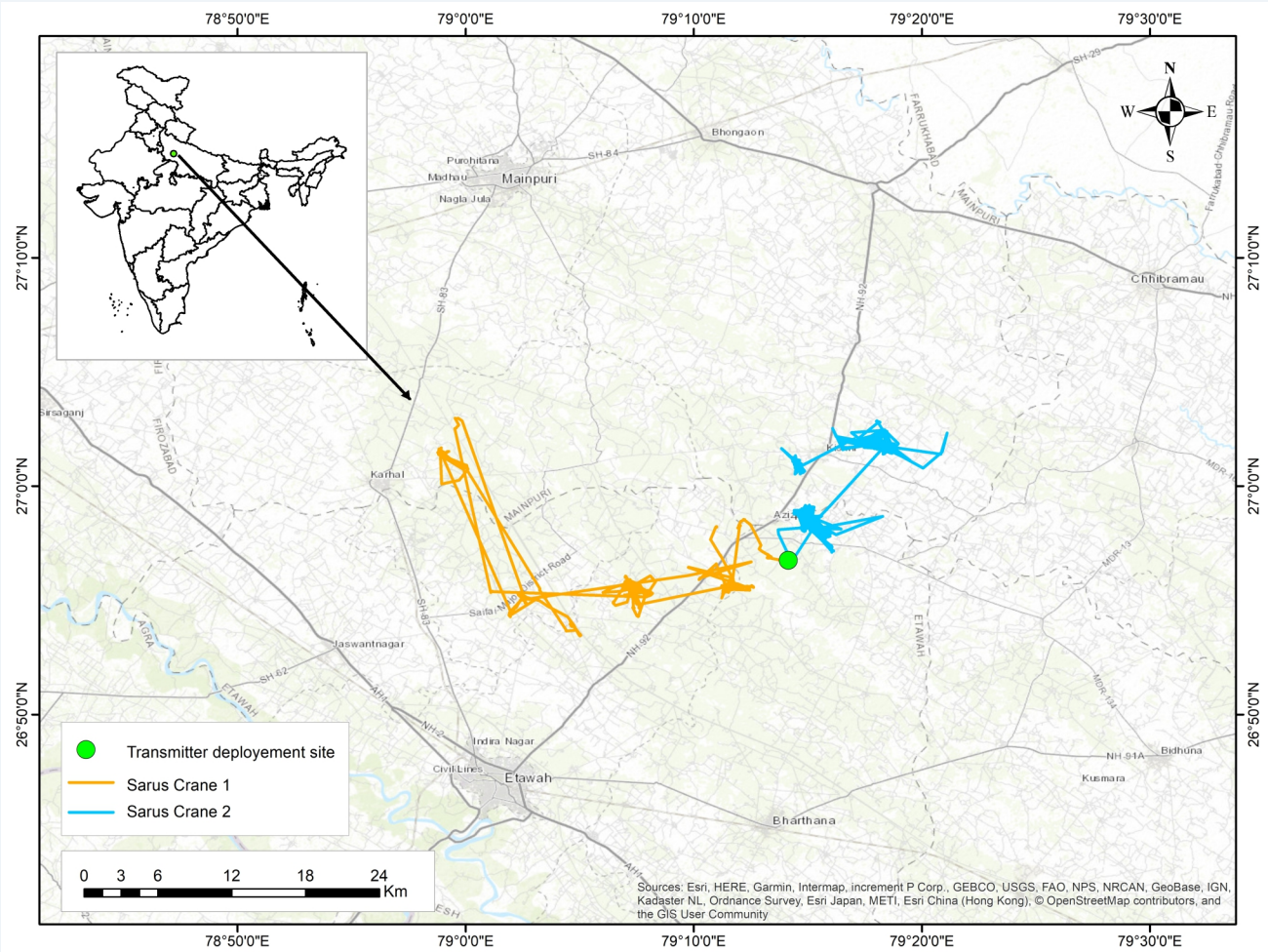


Figure 2: Movement pattern of Sarus Crane (*Grus antigone*)



1.11. POPULATION STATUS OF GANGETIC DOLPHIN

The Gangetic dolphin is a top predator which influences the food chain structure, thereby plays a critical role in maintaining the vital ecological processes of the river ecosystems and serve as a potential indicator for monitoring status of river health. Historically, the species was commonly distributed in major river systems between longitudes 77° E and 89° E in India, Nepal and Bangladesh, now restricted to disjunct stretches of the Ganga-Brahmaputra-Barak River system in India from the estuarine deltas upstream till Himalayan foothills Karnali, Sapta Koshi and Narayani River systems in Nepal and Meghna, Karnaphuli, Sangu rivers systems in Bangladesh. The Gangetic dolphin owing to these threats experienced a ~30% decline in population and a range reduction between the late 19th and early 21st. Surveys were conducted in rivers having presence of Gangetic dolphin and population was estimated using N-mixture model (Das et al 2022) (Table 1).

Table 1: Gangetic dolphin population in the Uttar Pradesh State

State	River	Population	Min	Max	Stretch
Uttar Pradesh	Chambal	36	24	52	Sahson-Pachnada
	Ganga	905	681	1189	Bijnor-Buxar
	Yamuna	97	61	164	Pachnada-Prayagraj
	Girwa	19	10	30	IndoNepal border-Girijapuri barrage
	Kauriyala	36	21	55	IndoNepal border-Girijapuri barrage
	Babai	8	4	18	Gopiya barrage-Ghaghra confluence
	Sharda	13	6	33	Khatima-Ghaghra confluence
	Rapti	146	79	256	Rapti barrage-Ghaghra confluence
	Ghaghra	345	207	530	Girijapuri barrage-Guthani
		1605	**1093**	**2327**	
Uttar Pradesh-Bihar Border	Ganga	262	233	286	Buxar-Sitabdira
	Ghaghra	188	143	236	Guthani-Revalganj
	Gandak	26	11	46	Valmikinagar-Badahari-Mangalpur & Amwakhas to Baghachaurkhas
		476	**387**	**568**	

1.12 CONSERVATION PRIORITY STRETCHES (CPS)

The designated Conservation Priority Stretches (CPS) are situated within the established boundaries of Protected Areas (PAs) such as the Turtle Sanctuary and the National Chambal Sanctuary in the state. The utmost conservation emphasis should be placed on stretches currently lying outside the PA network but deemed suitable for dolphins. These stretches are predominantly located near the confluence of tributaries with the mainstem Ganga River (Figure 3).

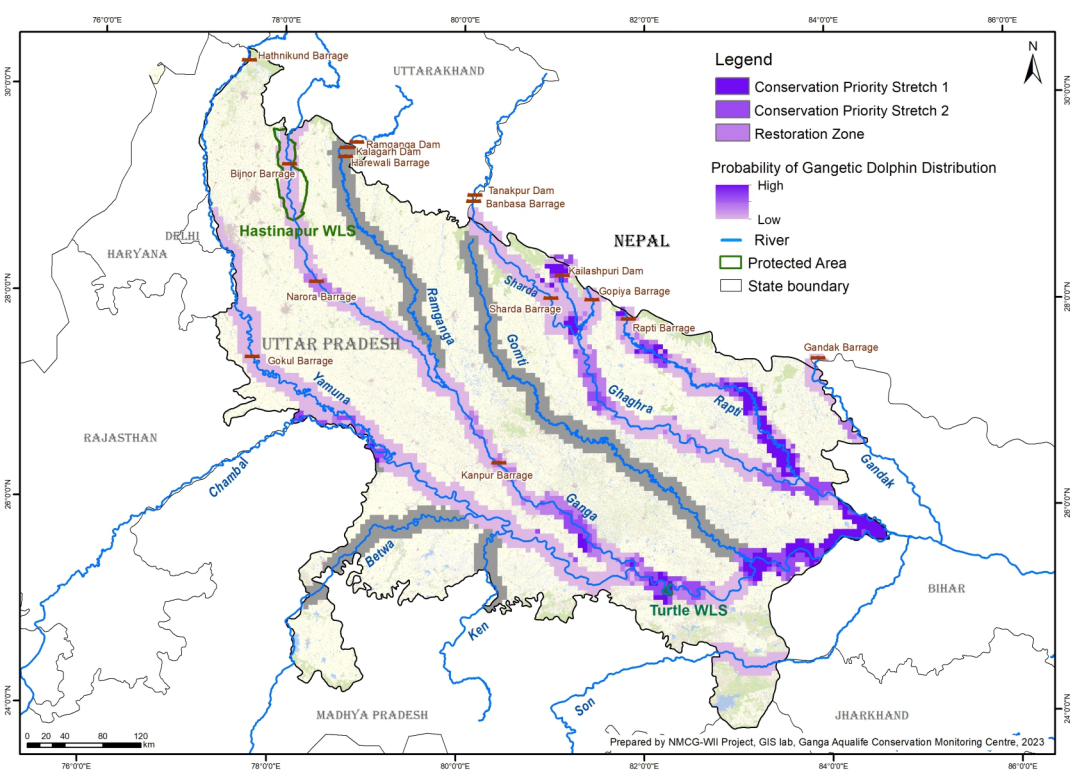


Figure 3: Conservation Priority Stretches in Uttar Pradesh

Given the escalating demand for river resources and the escalating threats to freshwater ecosystems, safeguarding these CPS (Table 2) becomes imperative to avert habitat degradation and species loss. The complex interplay of societal dependence on extensive river stretches complicates management interventions, especially those targeting the mitigation of human impacts on riverine ecosystems.

The identified river stretches with high biodiversity value in the state present an opportunity for targeted conservation efforts and offer solutions to preserve optimal sections of the river for the sustained provision of ecosystem services. This framework can serve as a model for biodiversity conservation while concurrently maintaining the societal benefits, thus maintaining the connection between natural resources and human ecological needs.

Table 2: High Conservation Priority Sterches in the state of Uttar Pradesh

River	High Conservation Priority Stretches (CPS 1) (in Km)	Districts
Ganga	25	Prayagraj, Ghazipur and Ballia
Yamuna	20	Etawa
Kauriyala	10	Bahraich and Kheri
Babai	10	Bahraich
Sharda	30	Sitapur and Kheri
Rapti	175	Siddharth Nagar, SantKabir Nagar, Maharajganj, Gorakhpur and Deoria
Girwa	5	Bahraich
Ganga	140	Chandauli, Varanasi, Gazipur, Ballia (U.P.), and Buxar, Bhojpur, Saran, Patna, Vaishali, Samastipur (Bihar)
Ghaghra	85	Azamgarh, Gorakhpur, Mau, Deoria, Ballia (U.P.) and Siwan, Saran

ECO-TOXICOLOGICAL ASSESSMENT

2.

During the period between January 2023 and November 2023 ecotoxicological surveys were conducted in the Ganga, Yamuna, Gomti, Ghaghra, Ramganga, Chambal, and Son rivers. The surveys were conducted for routine water quality monitoring of the rivers and to develop a non-invasive methodology for monitoring emerging contaminants in threatened species like the gharial, mugger, turtles and water birds. Biotic samples from various trophic levels were also gathered to study the bioaccumulation and species-specific distribution of CECs, along with the biomagnification potential in the freshwater food web.

A total of 380 samples of surface water, sediment, fish, and macroinvertebrates were collected from Ganga (N=42), Yamuna (N=6), Gomti (N=8), Ghaghara (N=8), Ramganga (N=8), Chambal (N=2), and Son (N=2) rivers during the survey and the samples are currently undergoing processing and analysis. The resulting information will be utilized to assess the risk of Contaminants of Emerging Concerns (CECs), such as pharmaceuticals, personal care products, heavy metals, and Persistent Organic Pollutants to the biodiversity and ecology of the concerned rivers. Additionally, the survey aimed to obtain preliminary data on the status of light pollution in the habitats of

threatened turtles and the gharial. It also sought to study the behavioral response of the gharial to different light regimes.

Further, survey was conducted in the critical habitat of dolphins at Kaithi and Dhakwa Villages in Varanasi, Uttar Pradesh. The collected samples (N=120) included surface water, sediment, aquatic insects, and prey species of the Gangetic dolphin, forming part of the non-invasive monitoring strategy and biomagnification potential assessment of CECs in the freshwater food web.

RESCUE AND REHABILITATION

3.

The existing facilities at the Turtle Rescue and Rehabilitation Centre, Sarnath, were renovated. The renovation activities included establishing a designated hospital space within the building to provide veterinary care to the injured turtles. The enclosures were enriched through the provision of bamboo platforms.

The eggs of *Nilssonia hurum*, *Batagur dhongoka*, and *Batagur kachuga* were collected from wild nests and confiscation cases in collaboration with local communities and forest departments. These eggs were carefully transported to the Turtle Rescue and Rehabilitation Centre, Sarnath, for incubation. The eggs were placed in artificial incubators set to replicate the natural incubation conditions required by each species. Upon hatching, the newly emerged hatchlings were closely monitored and provided with appropriate care to ensure their survival and well-being. After hatching, the post-hatchlings were placed in suitable enclosures with optimal environmental conditions, including temperature, humidity, lighting, and access to water and basking areas. Their diet was carefully planned and adjusted to meet their specific nutritional requirements till their release into their natural habitats.

A total of 157 turtles belonging to the species, *Lissemys punctata* and *Nilssonia gangetica*, were rescued and transported to the Turtle Rescue and Rehabilitation Centre, Sarnath. Upon arrival, a preliminary assessment was conducted to determine the overall condition of the turtles. Of the rescued individuals, six perished. The remaining turtles were promptly provided with first aid.

Prior to the release, the confiscated turtles underwent thorough health assessments and were kept under observation and care at the rescue facility. Medical interventions, rehabilitation, and necessary treatments were provided to ensure the turtles' fitness for release. After completion of the recovery period, the confiscated individuals were released in suitable habitats in the presence of the Ramnagar Forest Department and Gram Pradhan by NMCG-WII Rescue and Rehabilitation team on 12th March 2023. The objective of the release was to return turtles to their natural habitat and contribute to their conservation and population recovery.

NAMAMI GANGE
Aquatic Macrofauna of Ganga Basin

CAPACITY BUILDING

4.

Training workshop for University Students on 'Biodiversity and Wetland Conservation' was organized on 16th February 2023 at Integral University, Lucknow, Uttar Pradesh. A total of 154 participants, including Faculty Members and Students from the various departments of the University participated in the workshop.

A National Level Spearhead Training workshop for veterinary college students on 'Handling of Aquatic Species in Distress' was conducted from 21st to 23rd March 2023, at the Wildlife Institute of India, Dehradun. A total of 67 veterinary college students, veterinary doctors and scholars from various states and UTs such as Haryana, Uttar Pradesh, Uttarakhand, Himachal Pradesh, Rajasthan, Gujarat, Maharashtra, Pondicherry, and Assam participated in the workshop.

Under the Bal Ganga Prahari Programme, 2,700 students from 16 schools were reached out in Uttar Pradesh, between January 2023 and December 2023. Three Ganga Aqualife Knowledge Centers were established in Uttar Pradesh between January 2023 and December 2023, at Kisan Inter College in Bijnor, Composite School in Varanasi, and Govt. Inter College in Ayodhya.

Training Workshop for NGO'S on 'Biodiversity and community participation' was organized at the Wildlife Institute of India, Dehradun, Uttarakhand, from 29th to 31st May 2023. A total of 40 NGO's volunteers from 20 different NGOs participated, of which three participants were from Uttar Pradesh.

COMMUNITY CONSERVATION INITIATIVES

5.

A cumulative total of 1131 activities, encompassing awareness programs, cleanliness drives, plantation initiatives, sensitisation workshops, consultative meetings, livelihood training sessions, cultural activities, ecological surveys, and rescue operations, were diligently carried out across 29 districts of Uttar Pradesh across the Ganga River basin.

A cadre comprising 612 individuals (comprising 315 females and 297 males) of Ganga Praharis established in Uttar Pradesh in Phase I were seamlessly transitioned into Phase-II. Additionally, 1785 Ganga Praharis (comprising 1394 females and 391 males) have been integrated into the cadres. These Ganga Praharis reside along the Ganga River and its tributaries, including Ghaghra, Gomti, Ramganga, Yamuna and two sub-tributaries (Sai and Sharda). These dedicated Ganga Praharis are strategically distributed across 34 districts of Uttar Pradesh. Notably, a noteworthy addition of 284 Ganga Praharis (comprising 258 females and 27 males) has been made to the cadre during the period spanning January to November 2023. Approximately 42,200 participants were trained under various activities. The participants predominantly comprised of different stakeholder categories, including local community representatives, Ganga Praharis, Forest department officials, district administration officials, NGOs and other line agencies, participated in these events (Table 3).

Social Mapping

Awareness Programmes

Awareness

Table 3: List of activities conducted in Uttar Pradesh

Type of Activities	No. of Activities	Participants
Awareness Programme	233	16688
Cleanliness drives	38	1254
Consultative Meetings	387	4566
Cultural Activities	7	253
Days Celebration	30	3309
Ecological Monitoring	3	9
Site Visit	19	183
Focus Group Discussion	23	266
Livelihood Activities	178	5030
Livelihood Training	27	795
Orientation and Mobilization Workshop	11	284
Participatory Mapping	12	626
Plantation Drive	18	488
Sensitization Workshops	49	1294
Socioeconomic Survey	3	32
Others	93	7123
Total	**1131**	**42200**

A total of 27 distinct training programs were launched in Uttar Pradesh, each functioning as a specialized platform for skill development. Across these training sessions conducted at various locations, a cumulative total of 795 Ganga Praharis were trained in a range of fields, including bag making, basket weaving, candle and incense stick making, jewellery making, nukkad natak, organic soap making and sewing and stitching. Furthermore, Ganga Prahari's active participation in *Jalaj* initiatives played a pivotal role in establishing additional opportunities geared towards cultivating self-sufficiency and independence, aligning with the *Arth* Ganga initiative (Table 4).

Table 4: Skill development trainings conducted in Uttar Pradesh

Type of Training	No. of Trainings	Nos. of Persons trained
Bag making	1	14
Basket weaving	2	18
Harbal Soap and Detergent Making	1	35
Health and Wellness	1	10
Incense stick and Candle making	3	101
Jewellery making	1	34
NukkadNatak	1	43
Organic farming	1	21
Sewing and Stitching	16	519
Total	**27**	**795**

Food processing training

Inauguration of sewing and stitching centre

Tourist Guide

Participatory Mapping at Kannauj

From January to November 2023, Ganga Praharis, who underwent training, conducted a total of 438 activities, with 255 categorized as input activities and 183 as output activities. These activities encompassed initiatives such as awareness and cleanliness drives, tree plantation, livelihood development, assistance in ecological surveys and microplan data collection, rescue, and rehabilitation (Table 5).

Table 5: Activities initiated by Ganga Praharis

Type of Activities	Input		Output	
	No. of Activities	Participants	No. of Activities	Participants
Awards & Achievements			3	1515
Awareness Activity	131	6972	80	4878
Cleanliness Drive	11	356	13	257
Consultative Meetings	9	109	–	–
Days Celebration	5	288	–	–
Ecological Monitoring	36	374	12	62
Others	21	1332	41	3270
Plantation Programme	7	166	11	146
Rescue & Rehabilitation	16	79	21	128
Socio-Economic Survey	1	23	–	–
Swacchta Hi Seva	15	697	1	16
Ecological Survey	1	5	1	8
Livelihood training	2	44	–	–
Total	**255**	**10445**	**183**	**10280**

Awareness Programme organized by Ganga Praharis

Sarnath centre

Awareness Rally Organized by Ganga Praharis

Cleanliness Drive

Participatory mapping of ecosystem services by local communities was carried out in districts Bijnor (n=8), Muzaffarnagar (n=6), Bulandshahr (n=3), Farrukhabad (n=3), Kannauj (n=6), Sambhal (n=3), Shahjahanpur (n=3), Ayodhya (n=2), Gonda (n=1), Gorakhpur (n=1), Mau (n=1), Sant Kabir Nagar (n=1), and Pilibhit (n=3) in Uttar Pradesh (no. villages covered = 41), along the Ganga, Ramganga, Kali and Solani rivers. The purpose of the study is to assess the perceived dependency of local communities on the ecosystem services provided by rivers (such as the biotic and abiotic resources, cultural and religious services, dependence of agriculture, livestock and other village-level economic constituents upon the riverine resources) and the change in the supply of these ecosystem services over the years, and the consequent change in livelihood. Participants were also asked about any disservices provided by the river.

Participatory mapping of ecosystem services by local communities

Further a series of activities were conducted to create awareness about rivers and their biodiversity among school students. A total of 4150 students participated awareness workshops were conducted in 44 schools in Mathura, Agra, Shahjahanpur, Etawah, Auraiya, Kanpur, Kanpur Dehat, Fatehpur, Kaushambi and Prayagraj districts in Uttar Pradesh. A total of 439 students participated in awareness campaign conducted in seven schools in Varanasi, Lucknow, Sitapur districts along Gomti river. With the help of games and interactive activities like wildlife sudoku, questionnaires, puzzle, dart game, origami sessions, web of life, and save the planet. In addition, a teacher training session with the trainee teachers (n=200) and the teachers (n=217) of the District Institution of Education and Training in Uttar Pradesh (Table 6).

A total of 39 '*Jalmala Samvaad*' low cost interpretation centres were established along the Ganga, Yamuna and Gomti Rivers in Uttar Pradesh.

Table 6: List of district wise number of teachers trained under teacher Training Program in Uttar Pradesh

Institution	Adjoining River	No. of Participants
D.I.E.T Sarnath	Ganga	70
D.I.E.T. Kanpur	Ganga and Yamuna	62
D.I.E.T Prayagraj	Ganga and Yamuna	85
Total		217

CAPACITY BUILDING WORKSHOP

- A capacity building workshop with 32 dedicated tourist guides was conducted at Ganga Darpan Interpretation Centre, Sarnath. The workshop not only enhanced their skills but also enlightened them about the impactful Mission Life campaign. Inspired, they passionately pledged to embrace an eco-friendly lifestyle, fostering a sustainable future.
- A capacity building workshop for 20 e-rickshaw drivers was conducted at Ganga Darpan Interpretation Centre, Sarnath. The workshop made them aware about the importance of Ganga river and its biodiversity and enlightened them about the impactful Mission Life campaign. They pledged to adopt a Lifestyle for environment.
- A puppet-making training workshop was conducted for 35 local vendors and Self-help groups at Ahilya Bai Ghat at Varanasi.
- 50 participants were trained as National Zoo Educators at Lucknow in collaboration with Uttar Pradesh Forest Department.

GANGA DARPAN INTERPRETATION CENTRE EDUCATIONAL TOUR

Various schools of Sarnath and Varanasi conducted their educational tour at our Interpretation centre at Sarnath. A total of 2100 students & teachers were sensitized and made aware about the biodiversity of our river Ganga and threats.

ENVIRONMENTAL ENGAGEMENT HIGHLIGHTS

World Wetland Day 2023 was celebrated at Anubhuti Interpretation Centre, Kanpur, U.P. (Participants: 50 School Students), Nepali Dham Pokhra, Varanasi, U.P. (Participants: 20 local community members) and Nature and Bird festival, Mahoba, U.P. (Participants: 200 Students, local community and Forest officials).

Earth Day Awareness workshop was conducted with the 40 students and teachers of the local school at Ganga Darpan Interpretation centre.

World turtle Day Awareness workshop was conducted with the 15 students of the local community at Ganga Darpan Interpretation centre, where they were made aware about the importance of turtles, and the agendas of Mission LiFE.

World Environment Day Awareness workshops, programs and exhibitions were conducted at Dashashwamedh Ghat in Varanasi (600 participants) and at Anubhuti Interpretation Centre Kanpur (75 participants) where they were made aware about the importance of environment, and the agendas of Mission LiFE.

Wildlife Week - Celebrated wildlife week in Prayagraj, Kanpur and Varanasi with school students, teachers, forest department and local community (Total participants - 1874 participants)

MISSION LIFESTYLE FOR ENVIRONMENT (LiFE) CAMPAIGN

6.

A series of 107 LiFE events were conducted in 16 districts of Uttar Pradesh, namely Auraiya, Ayodhya, Bijnor, Bulandshahr, Farrukhabad, Ghazipur, Gorakhpur, Jaunpur, Kannauj, Kanpur, Kaushambi, Mau, Mirzapur, Muzaffarnagar, Prayagraj, and Varanasi (Figure 4), in which a total of 10,833 people participated. During these events, a total of 137 activities were conducted under 12 categories, including awareness activity and oath (n=59), awareness activity (n=17), cleanliness drive (n=12), yoga (n=12), educational competition (n=10), training workshop (n=7), awareness activities and educational competition (n=6), plantation (n=6), river walk (n=4), cultural activity (n=2), eco-art (n=1), and bird watching (n=1). These activities created awareness among the general public about the Mission LiFE Campaign, the importance of adopting sustainable practices, the significance of cleanliness and conserving rivers and wetlands, and the impact of pollution on the river and wetland ecosystems.

Figure 4:
Map of districts covered for Mission LiFE events in Uttar Pradesh

IN NEWS

Cleanliness service campaign run in Nishad Basti

Prayagraj: Under the cleanliness is service campaign run by the Government of India, an awareness campaign was run by Ganga Prahari Chandra Nishad and his team among the Nishad community living near Gram Sabha Baswar, Yamuna river, in which dozens of women and men also participated. This program is being continuously run by the Ganga Praharis selected by Namami Gange Project, Government of India and Indian Wildlife Institute, Dehradun. This work of Ganga Prahari Prayagraj has been continuing for many years under the able guidance of Indian Wildlife Institute, Dehradun. It has been done for conservation and protection of aquatic creatures like dolphin, crocodile, turtle etc. Among the Ganga guards present in the program, dozens of Ganga guards like Gyan Chandra Nishad, Suraj Nishad, Sandeep Nishad, Sunil Nishad, Pradeep Nishad, Ramesh Nishad, Chaman Nishad, etc. were present.

रीडर्स मैसेजर नेटवर्क
निषाद बस्ती में चला स्वच्छता ही सेवा है अभियान

प्रयागराज। ग्राम सभा बसवार यमुना नदी के समीप रहने वाले निषाद समुदाय के बीच स्वच्छता ही सेवा भारत सरकार द्वारा चलाए जा रहे अभियान के अंतर्गत गंगा प्रहरी चंद्र निषाद एवम् उनकी टीम द्वारा जागरूकता अभियान चलाया गया जिसमे दर्जनों महिलाओं और पुरुषों ने प्रतिभाग किया। यह कार्यक्रम नमामि गंगे परियोजना भारत सरकार एवम् भारतीय वन्यजीव संस्थान देहरादून द्वारा चयनित गंगा प्रहरियों द्वारा निरंतर चलाया जा रहा है। गंगा प्रहरी प्रयागराज का यह कार्य निरंतर कई वर्षों से भारतीय वन्यजीव संस्थान देहरादून के कुशल मार्ग दर्शन में जैव विविधता संरक्षण एवं जलीय जीवों जैसे डॉल्फिन घड़ियाल मगरमच्छ कछुआ इत्यादि के बचाव के लिए किया जाता रहा है।

JUSTICE EXPRESS

Cleanliness service campaign run in Nishad Basti

नेहरू युवा केंद्र ने पर्यावरण संरक्षण के लिए किया जागरूक

नेहरू युवा केंद्र की ओर से पर्यावरण जागरूकता अभियान चलाया। संवाद

पीएम का सीधा लाइव प्रसारण देखते योगमैन और कन्यायामी। संवाद

संवाद न्यूज एजेंसी

कन्नौज। नेहरू युवा केंद्र ने मिशन लाइफ के अंतर्गत जागरूकता कार्यक्रमों का आयोजन किया। पिछले महीने 18 मई से पांच जून तक मिशन लाइफ के अंतर्गत नेहरू युवा केंद्र के राष्ट्रीय युवा स्वयंसेवकों की और से पर्यावरण अनुकूल जीवनशैली को बढ़ावा देने के लिए कई कार्यक्रम हुए।

जिला युवा अधिकारी प्रतिमा वर्मा ने बताया कि मिशन लाइफ, लाइफस्टाइल फॉर एनवायरनमेंट से हम सबको यह समझना है कि हम अपना जीवन पर्यावरण के अनुकूल जिएं। बताया कि पिछले 15 दिनों से जनपद के विभिन्न ब्लॉकों में नेहरू युवा केंद्र के राष्ट्रीय युवा स्वयंसेवक मिशन लाइफ को आगे बढ़ाने के लिए कई कार्यक्रम हुए। कन्नौज में गंगा किनारे जागरूकता सहायक विधिक सेवी व उनकी टीम को और से पौधारोपण किया गया। शपथ और स्वच्छता जागरूकता कार्यक्रम भी हुआ। गुरुवार में राष्ट्रीय युवा स्वयंसेवक प्रतिभा कटियार व प्रदीप कुमार ने शपथ, मिशन लाइफस्टाइल फॉर द टीर जागरूकता कर प्लास्टिकवासियों को पर्यावरण अनुकूल जीवनशैली का पाठ पढ़ाया। मिजमेनपुर में राजेंद्र कुमार ने शपथ और साइकिल रैली का भी आयोजन किया। नाममि गंगे मिशनरेड सदस्यों ने मिलेट्स फूड मेला का आयोजन सोमवार को किया। जिसमें मोटे अनाज की रोजमर्रा के आहार में अपनाने की अपील की गई। मिशनरेड सदस्य रशकन खान, राजेंद्र सिंह, अशरद अली व कृष्णपाल सिंह ने मोटे अनाज में पाए जाने वाले तत्वों और उससे मानव स्वास्थ्य पर होने वाले लाभ पर प्रस्तुतिकरण तैयार कर मिलेट्स फूड मेला में आम जनमानस को इंटरनेशनल ईयर ऑफ मिलेट्स को सफल बनाने का संदेश भी दिया।

प्लास्टिक मानव जीवन के लिए खतरा, जन्मदिन पर रोपें एक पौधा

तालग्राम। पर्यावरण दिवस के उपलक्ष्य में नगर पंचायत तालग्राम की ओर से प्रधानमंत्री का लाइव प्रसारण दिखाया गया। नगर पंचायत अध्यक्ष ने इस दौरान प्लास्टिक मानव जीवन के लिए खतरा है और जन्म दिन पर एक पौधा रोपने की अपील की है।

नगर पंचायत सभागार में प्रधान मंत्री का पर्यावरण पर संबोध प्रसारण कार्यक्रम दिखाने की व्यवस्था की गई। कार्यक्रम के बाद नव निर्वाचित अध्यक्ष मोहसिन खान उर्फ जानू ने लोगों को संबोधित करते हुए कहा कि प्लास्टिक ने धीरे-धीरे संपूर्ण संसार को अपने कब्जे में ले लिया है। पर्यावरण को शुद्ध व स्वस्थ रखने के लिए प्लास्टिक का प्रयोग पूर्ण रूप से बंद होना चाहिए। प्लास्टिक हमारे जीवन के लिए बड़ा खतरा है। उन्होंने सभासदों एवं कर्मचारियों को प्लास्टिक के प्रयोग से होने वाले नुकसान को अवगत कराया। प्रत्येक सदस्य को अपने और अपने परिवार के सदस्यों के जन्मदिन पर एक पौधा लगाने की अपील भी की है। इस मौके पर वरिष्ठ लिपिक दीपक सक्सेना, सर्वेश कुमार, अनुज यादव, गोकरन, हिमांशु, शिवम कुमार, संतराम, धर्मपाल, रामकेवी आदि मौजूद रहे। (संवा)

पौधरोपण कर धरा का श्रृंगार कर रहे पर्यावरण प्रहरी पीयूष

शिवगामक। जलवायु परिवर्तन, अनियमित बरसात, गिरता भूजल स्तर, सूखते तरफ नजर किसी की नहीं है। नगर के युवा इंजीनियर पर्यावरण प्रहरी पीयूष गुप्ता ने पौधारोपण कर धरा का श्रृंगार करने का संकल्प लिया है। वह अपनी टीम के साथ सूख रहे पौधों को पानी डालकर पुर्नजीवित करने के लिए लोगों को जागरूक भी कर रहे हैं। नगर के युवा इंजी. पीयूष गुप्ता ने पर्यावरण असंतुलन से आने वाली पीढ़ी को बचाने के लिए एक प्रयास करने का संकल्प लिया। वह अधिक से अधिक पौधरोपण कर उसका संरक्षण करने व सिंगल यूज प्लास्टिक का प्रयोग न करने के लिए कार्य करने लगे। साल 2019 के अक्टूबर माह में उन्होंने पर्यावरण प्रहरी-प्रकृति के रक्षक टीम की स्थापना की। उनका मानना है कि पेड़ काटने वालों की संख्या कहीं हम घटा तो नहीं सकते लेकिन इसे लगाने वालों की संख्या जरूर बढ़ा सकते हैं। विवाह, शादी की सालगिरह, जन्मदिन, पुण्यतिथि व शादी में नव दंपति उपहार स्वरूप पौधा भेंट करने की परंपरा इस टीम ने डाल रखी है। टीम ने पिछले साढ़े तीन सालों में पास, पीपल, गुलमोहर, पाकड़, जैम व सजन के हजारों पौधे लगाए हैं। (संवा)

कानपुर देहात में आग से जलीं 14 दुकानें

संवाद न्यूज एजेंसी

रनियां (कानपुर देहात)। रनियां बाजार रोड स्थित दिव्यांत सेठ रामश्रय मार्केट में रविवार देर रात आग गई। लपटों ने एक-एक कर कॉस्मेटिक्स, आर्टिफिशियल जैलरी, क्रॉकरी व फुटवियर समेत 14 दुकानों को चपेट में ले लिया। दुकानों में रखे दो सैम सिलेंडर धमाके के साथ फट गए। रनियां थाना पुलिस और अग्निशमन विभाग की टीम ने ढाई घंटे की मशक्कत के बाद आग पर पूरी तरह काबू पाया। आग से दुकानदारों का करीब 85 लाख रुपये का नुकसान हुआ है। एक कार में रखे सिलेंडर में भी आग लग गई। इसके बाद आग और भयावह हो गई। आसपास के लोगों ने पानी डालकर आग पर काबू पाया। आग लगने की वजह शार्ट सर्किट बताई है।

शादी में जेवर बनवाने के लिए रखे थे रुपये

मध्य प्रदेश के जिला अशोक नगर के गांव निवासी सुलेश कुमार करीब सात साल से रनियां में प्लास्टिक के सामान की दुकान किए हैं। सुलेश ने बताया कि उनकी शादी इसी 23 जून को है। कानपुर जाकर जेवर बनवाने के लिए 3.60 लाख रुपये बक्से में रखे थे। पता भी जानकर रख ली गए।

दुकानें हैं। रविवार रात सभी लखरियों ने अपनी दुकानें बंद की थीं। देर रात 1:28 बजे शार्टिक की रेडीमेड कपड़ों की दुकान में अचानक आग लग गई। दुकान के भीतर सो रहे शार्टिक ने लपटें देख आसपास की दुकानों में सो रहे दुकानदारों को शोर मचाकर जगाया।

शिविर में 46 किसानों की दूर की गईं समस्याएं

संवाद न्यूज एजेंसी

तालग्राम। प्रधानमंत्री किसान सम्मान निधि योजना से कृषकों को जोड़ने के लिए गांव-गांव कैंप लग रहा है। शतप्रतिशत किसानों को लाभ दिलाने के चल रहे पुनर्द संतृप्तिकरण अभियान के तहत ग्राम पंचायत सकरवार बगुलिहाई के प्राथमिक विद्यालय किलिमपुर में सोमवार को शिविर आयोजित किया।

शिविर में 60 किसानों ने आधार सीडिंग, खाता फीडिंग, ई केवाईसी समेत अन्य दस्तावेजों में गड़बड़ियां दूर कराने के लिए आवेदन किए हैं। इनमें से 35 की केवाईसी 11 किसानों के नए खाते खोले गए। 46 किसानों की समस्याओं का निस्तारण कर दिया गया। प्रधान मीना कनौजिया ने किसानों से अपील की सम्मान निधि से कोई वंचित न रह जाए इस लिए अपनी समस्याओं का निस्तारण करा लें। कृषि विभाग के अधिकारियों ने बताया कि यह अभियान 16 जून तक चलेगा। इस कैंप पर पूर्व प्रधान नरेश चंद्र कनौजिया, कृषि सहायक तकनीकी प्रबंधक शिवपाल सिंह, लेखापाल पारस पुरा, डाक विभाग प्रभय दीक्षित, दिनेश कुमार, रामशंकर, दिलाराम, मनोज कुमार, अशोक पाल, आदि रहे।

आयोजन जगा करते किसान व समस्या निस्तारण करते कर्मचारी। संवाद

Cleanliness service campaign run in Nishad Basti

Prayagraj, Sanmay Bharat: Under the Cleanliness is service campaign run by the Government of India, an awareness campaign was run by Ganga Prahari Chandra Nishad and his team among the Nishad community living near Gram Sabha Baswar Yamuna river. In which dozens of women and men participated. This program is

being continuously run by the Ganga Sentinels selected by the Namami Gange Project, Government of India and the Indian Wildlife Institute, Dehradun. This work of Ganga Sentinel Prayagraj has been continuing for many years under the able guidance of the Indian Wildlife Institute, Dehradun. It has been done for biodiversity conservation and protection of aquatic creatures like dolphin, crocodile, crocodile, turtle etc. Among the Ganga guards present in the program, dozens of Ganga guards like Gyan Chandra Nishad, Suraj Nishad, Sandeep Nishad, Sunil Nishad, Pradeep Nishad, Ramesh Nishad, Chaman Nishad, etc. were present.

SANYAM BHARAT

नमामि गंगे जलज परियोजना के तहत महिलाओ को किया जागरूक

मो मुनब्बर ब्यूरो चीफ दैनिक अयोध्या टाइम्स कन्नौज

कन्नौज। नमामि गंगे परियोजना के तहत परियोजना के समन्वयक विवेक कुमार सैनी के द्वारा आज गंगा ग्राम मेहंदीपुर में ग्रामीण महिलाओं एवं युवतियों के साथ बैठक कर गंगा की जैव विविधता संरक्षण एवं स्वच्छता के प्रति जागरूक किया। साथ ही आर्थिक गतिविधियों को बढ़ावा देने पर चर्चा की। बैठक में गंगा की स्वच्छ एवं निर्मल बनाए रखने के लिए जलीय जीवो के

गंगा घाट पर ग्रामीण महिलाओं एवं युवतियों को कौशल विकास हेतु सिलाई कढ़ाई प्रशिक्षण भी शुरू कराया जाएगा। जिसका उद्देश्य ग्रामीण महिलाओं एवं युवतियों में गंगा

जलीय जीवो के संरक्षण को लेकर महिलाओं को किया जागरूक

बैठक में मौजूद महिलाएं

समृद्धि न्यूज

- गंगा ग्राम मेहंदीपुर में ग्रामीण महिलाओं एवं युवतियों के साथ बैठक कर परियोजना के सहायक समन्वयक विवेक कुमार सैनी ने किया जागरूक

कन्नौज, समृद्धि न्यूज।

नमामि गंगे परियोजना के तहत परियोजना के सहायक समन्वयक विवेक कुमार सैनी ने गुरुवार को गंगा ग्राम मेहंदीपुर में ग्रामीण महिलाओं एवं युवतियों के साथ बैठक कर गंगा की जैव विविधता संरक्षण एवं स्वच्छता के प्रति जागरूक किया। साथ ही आर्थिक गतिविधियों को बढ़ावा देने पर चर्चा की। परियोजना सहायक ने ग्रामीण महिलाओं को बताया कि जल्द ही महादेवी गंगा घाट पर ग्रामीण महिलाओं एवं युवतियों को कौशल विकास हेतु सिलाई कढ़ाई प्रशिक्षण भी शुरू कराया जाएगा। जिसका उद्देश्य ग्रामीण महिलाओं एवं युवतियों में गंगा की जैव विविधता संरक्षण के साथ-साथ आर्थिक रूप से भी उनका विकास हो सके। बैठक के दौरान, गंगा प्रहरी सावन खान, माधव कश्यप, विनीत कुमार, सुशीला, रिंकी, सोनी, सोमवती समेत गांव की तमाम महिलाए मौजूद रहीं।

Cleanliness service campaign run in Nishad Basti

Prayagraj: Under the Cleanliness is service campaign run by the Government of India, an awareness campaign was run by Ganga Prahari Chandra Nishad and his team among the Nishad community living near Gram Sabha Baswar Yamuna river. In which dozens of women and men participated. This program is being continuously run by the Ganga Sentinels selected by the Namami Gange Project, Government of India and the Indian Wildlife Institute, Dehradun. This work of Ganga Sentinel Prayagraj has been continuing for many years under the able guidance of the Indian Wildlife Institute, Dehradun. It has been done for biodiversity conservation and protection of aquatic creatures like dolphin, crocodile, crocodile, turtle etc. Among the Ganga guards present in the program, dozens of Ganga guards like Gyan Chandra Nishad, Suraj Nishad, Sandeep Nishad, Sunil Nishad, Pradeep Nishad, Ramesh Nishad, Chaman Nishad, etc. were present.

पर्यावरण दिवस पर जगह-जगह रोपी गई हरियाली

पर्यावरण संतुलन बनाए रखने में सहायक हैं पेड़

विश्व पर्यावरण दिवस के उपलक्ष्य में जिले भर में आयोजन हुआ, कई सामाजिक संगठनों ने पौधारोपण कार्यक्रम चलाया

संवाद न्यूज एजेंसी

नीम ने कान्हपुट में लगे को पर्यावरण संरक्षण की शपथ दिलाई। संवाद

गंगा घाट पर स्वयंसेवकों ने पर्यावरण संरक्षण की शपथ ली। संवाद

गंगाघाट पर श्रमदान और रैली निकाल कर मनाया विश्व पर्यावरण दिवस

कान्हपुर। विश्व पर्यावरण दिवस पर जिले भर में आयोजन हुआ, कई सामाजिक संगठनों ने पौधारोपण कार्यक्रम चलाया। गंगा घाट पर पर्यावरण संरक्षण की शपथ दिलाई गई। संवाद

नेहरू युवा केंद्र ने पर्यावरण संरक्षण के लिए किया जागरूक

कानपुर देहात में आग से जलीं 14 दुकानें

पौधा रोपण करती एसडीएम सलमनी व अन्य। संवाद

पर्यावरण दिवस पर न्यायालय में हुआ पौधारोपण

प्लास्टिक मानव जीवन के लिए खतरा, जन्मदिन

MY CITY

PRAYAGRAJ FRID

NOTES

NOTES

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