

River Ganga Canal at Harki Pouri Haridwar (Upper Ganga Canal)

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chloride s (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.7	<1	4	17	10	94	8	72	40	112	122	27	50
Feb-20	8	<1	4	18	10.2	70	9	56	36	92	71	30	70

Upper Ganga Canal D/s Harki Pauri, (Harki Pauri Haridwar at Rishikul Bridge), Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chloride s (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardnes s as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	8	<1	4	17	10.8	95	9	52	26	78	115	36	60
Feb-20	7.6	<1	4	18	10.2	75	9	60	40	100	100	34	80

Upper Ganga Canal D/S Roorkee, Haridwar, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardnes s as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.8	1	4	17	10.4	89	8	42	24	66	108	34	90
Feb-20	7.6	1	6	18	9.8	75	8	60	32	92	91	40	110

Ganga Canal at Dam Koti, Haridwar (Upper River Ganga Canal at Harki Pauri)

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardnes s as CaCO3 (mg/L)	Total Dissolve d Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.8	<1	4	16	11.4	81	8	54	28	82	94	26	40
Feb-20	7.6	<1	4	18	10.8	68	8	58	40	98	82	26	50

Ganga at Haridwar U/S Bindhughat, Dudhiyavan, Haridwar, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolve d Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.7	1	6	17	10.8	100	9	50	42	92	126	30	90
Feb-20	7.5	<1	4	18	10	84	9	56	34	90	113	40	110

Ganga at Haridwar D/S Balakumari Mandir, Ajeetpur, Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.1	1	6	17	9.6	162	15	80	48	128	193	60	110
Feb-20	7.26	1	6	18	9.4	93	10	60	28	88	106	70	140

Ganga Canal at Lal Ta Rao Bridge, Haridwar (Upper Ganga Canal), Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.6	<1	4	17	10.6	86	8	80	44	124	93	17	40
Feb-20	7.9	<1	4	18	10.4	65	9	60	30	90	74	30	70

Suswa River at Mothrawala, (Suswa (D/S) Mathurawala), Dehradun, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	8.1	26	104	17	4.2	240	25	180	120	300	380		>1600
Feb-20	8.34	28	112	18	4.0	260	30	210	150	360	368		>1600

River Ganga after confluence of River Song near Satyanarayan Temple D/S Raiwala, Dehradun

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.8	1	4	17	10.2	84	8	44	32	76	120	30	90
Feb-20	8.44	1	6	17	10	85	12	68	46	114	236	40	90

River Ganga at Rishikesh U/S Lakshmanjhula, Swargashram U/S of Rishikesh

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.72	<1	4	16	11	70	9	48	30	78	79	8	40
Feb-20	7.72	<1	4	17	10.8	62	13	60	28	88	62	12	40

Ganga at D/S of Rishikesh, Near Pashulok, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.66	<1	4	17	10.6	62	8	40	24	64	74	26	50
Feb-20	8.0	<1	4	17	10.4	65	9	56	28	84	74	30	50

River Yamuna at U/S of Lakhwar Dam, Dehradun, (River Yamuna U/s Lakhwar Dam), Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	8.46	<1	4	16	10.8	108	8	80	20	100	94	<2	<2

River Yamuna at U/S Dakpathar, Dehradun

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	8.21	1	6	17	10.2	72	11	52	48	100	68	17	60

River Alaknanda A/C Mandakini at Rudrapryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.85	<1	4	16	10	62	5	40	32	72	62	<2	<2

River Mandakini B/C Alaknanda at Rudrapryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.8	<1	4	16	10.6	66	5	44	30	74	66	<2	<2

River Alaknanda B/C Mandakini at Rudrapryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.84	<1	4	16	10.8	68	5	40	36	76	70	<2	<2

River Alaknanda A/C Bhagirathi at Devpryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.84	<1	4	16	10.8	64	5	46	30	76	66	<2	<2

River Alaknanda B/C to Bhagirathi at Devpryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.9	<1	4	19	10.6	66	5	46	32	78	72	<2	<2

River Bhagirathi B/C with Alaknanda at Devpryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.82	<1	4	17	10.4	64	5	40	32	72	60	<2	<2

River Ganga D/S Bishanpur Kundi, Haridwar, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.6	<1	6	17	9.8	110	15	48	24	72	119	40	90
Feb-20	8.1	1	6	18	9.6	90	10	73	42	115	98	50	110

River Ganga D/S Lakkarghat O P, Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	8.12	1	6	17	10.4	82	9	42	30	72	140	34	80
Feb-20	8.46	1	6	17	10	90	15	70	42	112	247	34	40

River Ganga D/S Swargaashram-1, Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolve d Solids (mg/L)	Fecal Coliform (MPN/ 100 mL)	Total Coliform (MPN/ 100 mL)
Jan-20	7.81	<1	4	16	10	66	12	48	26	74	144	40	110
Feb-20	8.2	<1	4	17	9.8	55	13	62	20	82	62	30	50

Naini Lake at Nainital (Water Intake Point), Nainital

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Alkalinity (mg/L)	Chloride (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)
Jan-20	7.72	1.6	6.0	430	7.0	6.2	260	25	174	138	312	298
Feb-20	7.76	1.6	7.0	460	12	8.0	180	24	172	136	308	277

Bheemtal Lake, Nainital, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Alkalinity (mg/L)	Chloride (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)
Jan-20	7.46	1.2	5.0	180	9.0	6.0	136	15	86	62	148	127
Feb-20	7.53	1.4	5.0	210	13	7.8	106	12	56	72	128	135

Gola River at Haldwani, (River Gola, Nainital), Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Alkalinity (mg/L)	Chloride (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Hardness as CaCO3 (mg/L)	Total Dissolved Solids (mg/L)
Jan-20	7.35	1.6	7.0	220	13	7.4	136	21	98	62	160	149
Feb-20	7.69	1.8	6.0	230	16	6.6	120	16	60	84	144	159

Kosi River at Kashipur Bajpur Road Bridge, Kashipur, US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.3	4.0	30	404	8.0	6.4	262
Feb-2020	7.46	4.0	25	430	30	5.9	259

Dhella River U/S at Kashipur Moradabad Road Bridge, (U/S Moradabad Road) US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.4	10	30	442	8.0	7.8	287
Feb-2020	7.66	15	35	520	30	4.6	248

Dhella River D/S at Thakurdwara, Aligani Road, US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.3	14	60	541	8.0	3.4	352
Feb-2020	7.18	14	66	510	30	0.30	389

Bhella River U/S Kashipur, (U/S Ramnagar Road), US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.3	4.0	30	290	8.0	8.4	188
Feb-2020	7.41	5.0	40	330	31	6.0	177

Bhella River at Lohia Bridge D/S Kashipur (D/S Lohiya Bridge), US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.6	22	70	576	8.0	1.6	374
Feb-2020	7.5	24	80	580	30	4.0	335

Pilakhar River at Bilaspur, Rampur, US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.5	6.0	60	420	10	7.2	226
Feb-2020	7.4	8.0	70	430	30	6.6	293

Nanduar River U/S Sitarganj Industrial Area, (Nandour U/S Sitarganj), US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.3	8.0	20	209	10	6.2	146
Feb-2020	7.78	9.0	28	310	29	6.6	111

Nanduar River D/S Sitarganj Industrial Area, (Nandour D/S Sitarganj), US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.6	10	40	520	10	4.2	238
Feb-2020	7.66	8.0	30	440	29	5.2	227

Kichha River at Kichha, (River Kichha (U/S Nagarbhalla, Kashipur), US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.2	6.6	80	565	10	3.4	328
Feb-2020	7.44	7.0	50	530	30	2.4	321

Kalyani River at U/S Pantnagar Industrial Area, US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.2	5.2	10	486	10	6.8	257
Feb-2020	7.54	8.0	25	540	30	4.4	248

Kalyani River at D/S Pantnagar Industrial Area, US Nagar

Month	pH	BOD (mg/L)	COD (mg/L)	Conductivity (umhos/cm)	Temp (°C)	DO (mg/L)	Total Dissolved Solids (mg/L)
Jan-2020	7.3	16	40	562	10	1.4	298
Feb-2020	7.16	20	40	580	30	1.6	304