

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)	Conductivity (µmohm/cm)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Hardness as CaCO3 (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.7	1.2	6	17	9	254	85	6	138	85	53	163	0.18		40	70	49.69	0.27	0.95
Feb-21	7.42	1.2	4	16	8.2	126	100	6	105	60	45	82	0.04	0.0006	48	84	47.53	0.18	0.69
Mar-21	8.34	1.4	6	20	9.2	188	120	9	90	53	37	123	0.08	0.001	46	94	55.61	0.26	0.53

Upper Ganga Canal D/S Roorkee, Haridwar, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Hardness as CaCO3 (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.85	1.4	6	16	9.6	234	74	6	94	60	34	152	0.26		58	110	45.69	0.37	1.30
Feb-21	6.82	1.4	6	14	10.2	114	107	7	90	67	23	76	0.22	0.0008	63	120	60.24	0.18	0.68
Mar-21	8.2	1.2	6	18	9.8	166	115	10	80	47	33	108	0.13	0.001	58	110	50.03	0.16	1.01

River Ganga at Harki Pouri Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Hardness as CaCO3 (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.3	1.2	6	16	9.6	195	83	6	119	75	44	126	0.19		46	70	57.98	0.26	0.92
Feb-21	7.66	1	4	17	9.2	90	96	6	87	54	33	59	0.09	0.0014	40	63	57.43	0.15	0.09
Mar-21	8.33	1.2	4	19	9.4	145	135	7	74	38	36	95	0.05	0.001	47	70	49.24	0.17	0.13

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)	Conductivity (µmohm/cm)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Hardness as CaCO3 (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.64	1.2	6	16	9.8	262	93	7.5	156	100	56	169	0.53		46	84	47.93	0.25	0.55
Feb-21	7.68	1	4	17	9.8	130	115	8	85	63	22	84	0.11	0.0002	43	70	53.24	0.21	0.83
Mar-21	8.2	1	4	20	9.4	176	138	8	93	66	27	117	0.08	0.001	40	79	62.53	0.24	0.85

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

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCo3 (mg/L)	Chlorides (mg/L)	Hardness as CaCO3 (mg/L)	Calcium as Ca(mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.59	1.2	6	16	8.2	242	92	8	140	92	48	155	0.33		70	110	44.52	0.33	1.20
Feb-21	7.72	1.2	4	18	10.8	140	129	8	108	63	45	92	0.08	0.0004	63	120	50.17	0.11	0.90
Mar-21	8.3	1.0	4	20	9.6	215	102	8	99	74	25	141	0.06	0.002	70	94	49.54	0.17	0.79

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

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.75	1.6	8	16	8.8	229	83	8	103	75	28	148	0.27		70	130	41.41	0.26	1.32
Feb-21	7.54	1.4	6	16	10.4	142	125	8	97	60	37	92	0.36	0.0011	84	140	40.32	0.11	0.24
Mar-21	8.37	1.6	6	19	9.2	186	145	11	86	60	26	121	0.21	0.003	94	150	36.24	0.15	0.17

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)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.61	1.2	6	16	9.4	232	60	8	102	65	37	150	0.41		63	94	52.27	0.41	1.31
Feb-21	7.71	1.2	4	17	10	102	105	8	92	53	39	67	0.07	0.0003	46	84	43.26	0.16	1.03
Mar-21	8.3	1.2	4	19	9.2	147	122	8	80	49	31	97	0.05	0.001	40	70	57.54	0.21	0.93

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

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.6	28	106	18	2.8	916	310	45	295	250	45	620	1.42		> 1600	> 1600	140.65	0.15	0.18
Feb-21	7.28	26	94	19	3.4	551	352	40	350	310	40	369	1.46		> 1600	> 1600	138.2	0.18	0.16
Mar-21	8.01	28	84	21	3.2	572	400	35	370	320	50	380	1.18		> 1600	> 1600	143.22	0.24	0.20

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)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.8	1.6	8	18	10	641	120	12	170	125	45	416	0.06		70	120	27.94	0.18	1.55
Feb-21	8	1.8	6	18	9.6	105	91	10	88	45	43	69	1.72	0.0079	63	110	93.84	0.20	2.23
Mar-21	8.0	1.6	6	23	9.8	130	96	9	84	44	40	86	0.003	0.0026	58	94	140.28	0.112	1.23

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)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.61	1	4	15	11	173	88	10	74	55	19	112	0.94		14	27	44.22	0.15	1.40
Feb-21	7.28	1	4	10	9.8	116	96	8	85	45	40	76	1.72	0.041	17	32	119.24	0.282	0.68
Mar-21	7.81	1	4	19	10.4	106	82	7	80	46	34	70	0.0028	0.0049	14	38	54.891	0.061	0.94

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

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.54	1.2	4	15	10.8	187	80	7	100	54	46	121	0.25		26	47	20.27	0.05	1.09
Feb-21	7.4	1	4	10	9.8	144	130	7	93	57	36	95	0.65	0.047	21	40	77.24	0.143	1.72
Mar-21	7.7	1	4	18	9.8	140	100	8	86	56	30	90	0.006	0.005	13	38	66.533	0.088	0.35

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)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.57	1	4	15	9.2	315	90	8	85	40	45	200			<2	<2			

River Yamuna at U/S Dakpathar, Dehradun

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.74	1.2	6	16	8.6	227	90	7	98	55	43	138			40	70			

River Alaknanda A/C Mandakini at Rudrapryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.49	1	4	8	10.4	228	122	9	120	80	40	146	0.56	0.0007	<2	<2	50.766	0.00128	1.26
Feb-21	7.56	1	4	16	10.2	204	100	8	110	72	38	134	0.61	0.00105	<2	<2	45.18	0.0014	1.20
Mar-21	8.18	1	4	16	10.4	463	100	7	87	64	23	301	0.07	0.0017	<2	<2	4.432	0.167	1.8792

River Mandakini B/C Alaknanda at Rudrapryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.2	1	4	9	10.2	157	94	8.5	106	78	28	102	0.28	0.0007	<2	<2	20.04	0.00064	1.7964
Feb-21	7.6	1	4	16	10.4	146	90	8	100	70	30	98	0.35	0.0013	<2	<2	27.24	0.00117	1.43
Mar-21	8.25	1	4	16	10.4	117	83	8	108	72	36	79	0.21	0.0026	<2	<2	24.048	0.172	1.998

River Alaknanda B/C Mandakini at Rudrapryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.02	1	4	8	10.8	240	135	12	137	90	47	155	0.26	0.00035	<2	<2	48.8976	0.00576	1.134
Feb-21	7.3	1	4	17	10	246	110	10	124	78	46	160	0.02	0.0009	<2	<2	38.11	0.0004	1.27
Mar-21	8.16	1	4	17	10.2	195	111	8	121	80	41	135	0.15	0.00011	<2	<2	76.152	0.206	1.8756

River Alaknanda A/C Bhagirathi at Devpryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.48	1	4	14	10.4	184	120	9.5	130	92	38	114	1.01	0.0007	<2	<2	41.9504	0.07744	2.4552
Feb-21	7.84	1	4	17	9	108	95	10	72	55	17	71	0.43	0.0004	<2	<2	19.75	0.0008	1.14
Mar-21	8.28	1	4	15	10.4	180	115	8	94	80	14	118	0.52	0.0008	<2	<2	40.882	0.121	1.188

River Alaknanda B/C to Bhagirathi at Devpryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.59	1	4	14	9.8	194	118	9.5	121	75	46	123	0.84	0.00105	<2	<2	32.3312	0.00256	1.2348
Feb-21	7.31	1	4	17	9	169	132	8	97	78	19	112	0.44	0.00033	<2	<2	32.55	0.0012	1.28
Mar-21	8.14	1	4	15	9.8	188	140	8	106	94	12	125	0.43	0.002	<2	<2	26.453	0.206	0.8388

River Bhagirathi B/C with Alaknanda at Devpryag, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.23	1	4	13	10	116	82	7.5	110	68	42	75	0.29	0.00105	<2	<2	37.1408	0.00128	0.972
Feb-21	7.7	1	4	16	9.6	83	84	7.5	52	30	22	54	0.32	0.0007	<2	<2	26.20	0.0023	0.93
Mar-21	7.83	1	4	16	10.2	230	69	7	55	50	5	145			<2	<2	34.202	0.182	1.188

River Ganga D/S Bishanpur Kundi, Haridwar, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.9	1.4	8	16	9.2	214	85	8	99	67	32	137	0.25		63	120	43.82	0.24	0.78
Feb-21	7.18	1.4	6	16	9.4	112	115	9	84	53	31	74	0.17	0.0022	58	110	50.71	0.17	0.02
Mar-21	8.38	1.2	4	19	8.8	177	125	10	90	60	30	122	0.13	0.002	63	110	53.11	0.19	0.09

River Ganga D/S Lakkarghat O P, Haridwar

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.6	1.6	6	16	9.6	610	204	12	210	180	30	398	1.38		22	46	36.53	0.21	1.79
Feb-21	7.14	1.4	6	16	9.6	431	308	10	324	270	54	286	0.84	0.0015	17	34	47.93	0.23	1.15
Mar-21	8.01	1.2	6	20	9.8	340	260	12	280	220	60	220	0.19	0.003	25	39	53.52	0.17	1.03

River Ganga D/S Swargaashram-1, Rishikesh

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Fecal Coliform (MPN/100 mL)	Total Coliform (MPN/100 mL)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)
Jan-21	7.66	1	6	16	10	302	148	11	110	85	25	195	0.93		17	40	84.1	0.13	1.26
Feb-21	7.5	1.2	4	12	9.4	169	150	9	124	64	60	113	0.93	0.007	22	46	48.33	0.23	0.54
Mar-21	8.0	1	4	21	9.8	160	110	8	90	60	30	106	0.0033	0.028	21	40	56.914	0.067	0.75

Naini Lake at Nainital (Water Intake Point), Nainital

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)
Jan-21	7.52	1.4	6	09	9.6	370	232	11	288	152	136	312
Feb-21	7.38	1.6	7	11	9.2	380	244	15	276	148	128	294
Mar-21	7.24	2.0	6.0	14	8.6	420	238	19	258	132	126	281

Bheemtal Lake, Nainital, Uttarakhand

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)
Jan-21	7.46	1.2	4	11	9	160	124	15	174	98	76	117
Feb-21	7.58	1	3	13	8.8	190	136	17	190	106	84	133
Mar-21	7.35	1.4	4.0	16	8.20	210	158	19	172	98	74	140

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

Month	pH	BOD (mg/L)	COD (mg/L)	Temp (°C)	DO (mg/L)	Conductivity (µmohm/cm)	Alkalinity as CaCO ₃ (mg/L)	Chlorides (mg/L)	Hardness as CaCO ₃ (mg/L)	Calcium as Ca (mg/L)	Magnesium as Mg (mg/L)	Total Dissolved Solids (mg/L)
Jan-21	8.14	2.4	8	13	8.2	210	136	17	218	116	102	153
Feb-21	7.92	2	8	16	7.8	230	158	21	206	112	94	167
Mar-21	7.74	2.40	8.0	21	7.0	260	172	25	190	104	86	174

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-21	7.90	4	24	750	14	4.6	503
Feb-21	7.9	3	16	700	23	9.8	472
March-21	7.80	3.20	12	640	25	8.80	428

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-21	7.90	4	10	410	12	4.8	255
Feb-21	7.90	5	24	460	19	8.10	298
March-21		River Dry					

Dhella River D/S at Thakurdwara, Aliqanj 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-21	7.30	56	180	900	13	0.80	675
Feb-21	7.90	42	124	920	24	0.20	602
March-21	7.80	44	132	940	22	0.10	620

River Bhella 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-21	7.90	8	30	540	12	3.0	348
Feb-21	8.0	3	10	240	17	7.5	172
Mar-21	7.90	3.20	16	280	23	7.0	186

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-21	6.90	28	160	690	14	0.80	437
Feb-21	6.90	24	96	630	21	1.40	412
Mar-21	6.50	26	104	650	24	1.20	434

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-21	8.20	3.8	24	770	13	6.0	503
Feb-21	7.50	5.10	16	750	21	7.8	503
Mar-21	7.60	5.20	20	800	22	7.50	536

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-21	River Dry						
Feb-21	River Dry						
Mar-21	River Dry						

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-21	8.40	3.7	12	420	15	8.0	288
Feb-21	7.6	3.2	12	436	26	8.10	292
Mar-21	7.50	3.60	14	460	24	7.50	308

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-21	8.1	6.9	36	920	15	2.8	750
Feb-21	8.0	3.6	20	980	26	8.8	723
Mar-21	8.10	3.40	18	925	23	9.0	620

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-21	8.1	5.8	30	590	14°	3.4	377
Feb-21	7.0	4.0	20	625	24	7.6	418
Mar-21	7.20	8.0	32	675	24	5.60	452

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-21	7.30	22	80	630	14	1.20	425
Feb-21	8.20	28	152	1200	23	0.20	828
Mar-21	8.0	30	156	1210	23	0.10	840