

River Bhagirathi at Gangotri, Uttarkashi

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)
Sept-20	6.7	1	4	10	10.8	30	5	44	21	65	56	<2	<2

River Yamuina at Yamnotri, Uttarkashi

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)
Sept-20	7.44	1	4	10	10.8	81	5	68	14	82	100	<2	<2

River Yamuna at Saynachatti, Uttarkashi

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)
Sept-20	7.88	1	4	16	10.6	54	7	50	21	71	73	<2	<2

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
Mar-20	7.13	<1	4	19	9.8	76	6	76	28	104	96	30	50
Apr-20	7.7	0.8	4	19	9.8	74	10	64	36	100	64	30	60
May-20	7.85	1	4	18	9.6	72	6	50	40	90	82	34	70
June-20	7.58	1	4	22	9.2	70	12.5	36	24	60	84	40	60
July-20	7.5	1.2	6	23	8.4	90	13	40	28	68	70	50	70
Aug-20	8.0	1	4	25	9.2	100	10	60	40	100	96	40	90
Sept-20	8.1	1	4	27	10.2	90	8	49	26	75	162	40	80
Oct-20	8	1	6	25	8	67	9	61	24	85	140	70	110
Nov-20													
Dec-20	7.2	1	6	19	9	88	6	63	21	84	167	32	63

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)	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	7.8	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
Mar-20	6.65	1	6	20	10	86	9	64	34	98	113	40	80
Apr-20	7.4	1.2	6	20	9.4	75	10	60	32	92	78	40	80
May-20	7.95	1	4	19	9.6	69	6.5	50	20	70	73	30	70
June-20	7.8	1	4	23	9.6	75	7.5	34	32	66	95	40	80
July-20	7.65	1.4	6	21	8.2	100	12	40	40	80	84	50	90
Aug-20	7.66	1.6	6	20	8.8	95	12.5	65	15	80	99	60	170
Sept-20	8	1.4	6	26	9.6	95	8	60	15	75	174	80	140
Oct-20	7.97	1.2	6	24	8	80	5	69	22	91	155	70	170
Nov-20	7.73	1	6	21	9.4	138	8	72	61	133	230	84	120
Dec-20	7.1	1.2	6	19	9.8	70	5	60	18	78	149	46	94

River Ganga at Harki Pouri 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)	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	8.0	<1	4	18	10.2	70	9	56	36	92	71	30	70
Mar-20	7.54	<1	4	19	9.8	80	8.5	40	30	70	105	26	60
Apr-20	7.6	0.6	4	19	10.2	60	10	54	18	72	63	26	50
May-20	8.03	0.8	4	19	9.8	70	9	40	20	60	80	30	50
June-20	7.9	0.6	4	22	10	70	10	42	22	64	92	27	40
July-20	7.3	1.2	6	21	8.8	76	10	37	25	62	88	60	80
Aug-20	7.95	1.2	4	23	9.6	80	13	64	6	70	83	50	90
Sept-20	7.85	1	4	27	10.6	80	7	52	24	76	162	40	80
Oct-20	8.08	1	4	25	8	83	8	82	22	104	195	46	90
Nov-20	7.77	1	4	20	10.8	100	11	80	30	110	257	32	70
Dec-20	7.8	1	6	20	8.8	56	5	58	27	85	124	32	84

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)	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	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
Mar-20	6.82	<1	4	19	10.4	72	9	58	38	96	99	34	50
Apr-20	7.7	0.6	4	19	9.8	75	6.5	70	20	90	69	30	50
May-20	8.12	0.8	4	18	9.2	68	8.5	62	20	82	82	40	60
June-20	7.9	1	4	22	9	80	7.5	38	24	62	88	30	60
July-20	7.59	1	4	22	8.6	76	9	35	30	65	90	34	70
Aug-20	7.9	1	4	24	10.2	79	14	52	42	94	124	40	80
Sept-20	8.31	1	4	27	10.4	77	7	53	23	76	161	30	60
Oct-20	8.01	1	4	25	9	90	10	80	29	109	202	34	70
Nov-20													
Dec-20	8.0	1	6	19	10	93	7.5	72	30	102	162	34	70

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 Dissolved 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
Mar-20	7.65	1	6	20	9.6	80	10	64	26	90	102	40	90
Apr-20	7.8	1	6	20	9.8	70	10	70	24	94	78	40	90
May-20	7.9	1	6	19	9.6	63	12.5	65	18	83	75	40	80
June-20	7.7	1	4	23	8.8	75	7	65	25	90	104	30	60
July-20	7.47	1.2	6	21	8.2	90	10	48	42	90	85	40	70
Aug-20	8.03	1	4	24	10.4	95	13	46	24	70	156	60	110
Sept-20	8.04	1	4	27	10	65	8	60	15	75	161	50	90
Oct-20	8.12	1	4	25	9.6	120	8	87	10	97	179	34	70
Nov-20													
Dec-20	7.7	1	6	20	8.8	138	6	73	22	95	161	58	84

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
Mar-20	7.64	1.2	6	19	9.6	94	15	64	46	110	139	60	110
Apr-20	7.7	1	6	20	10	90	12	84	26	110	74	60	90
May-20	8.02	1.2	6	19	9.2	100	10	70	40	110	120	50	80
June-20	7.68	1.4	6	29	9	100	10	45	40	85	178	40	70
July-20	7.2	1.2	6	22	8.4	85	15	40	35	75	67	40	60
Aug-20	7.78	1.4	6	25	8.4	73	16	57	25	82	153	70	140
Sept-20	8	1.6	6	25	9.4	72	9	50	12	62	141	80	130
Oct-20	7.99	1	6	25	8.4	115	7	99	31	130	233	84	140
Nov-20	7.63	1.2	6	20	10.6	120	10	88	29	117	287	63	120
Dec-20	8.0	1.4	8	20	9	88	7.5	85	45	130	160	58	110

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
Mar-20	7.44	<1	4	19	9.8	60	6.5	58	24	82	100	40	60
Apr-20	7.9	0.8	4	19	9.2	72	6	52	32	84	68	30	50
May-20	8.09	0.6	4	19	9.4	72	7.5	55	30	85	80	40	70
June-20	7.6	0.8	4	22	9	60	8	35	20	55	77	34	60
July-20	7.51	1	4	20	8.8	65	10	35	25	60	60	40	60
Aug-20	8.0	1.2	4	23	9.8	105	14	47	40	87	122	40	90
Sept-20	7.96	1	4	27	9.6	75	10	56	28	84	162	50	110
Oct-20	8.03	1.2	6	25	8.4	75	7	56	33	89	164	70	130
Nov-20													
Dec-20	7.4	1	6	20	9.6	77	6	55	33	88	163	58	110

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
Mar-20	8.11	26	94	20	3.6	270	32	220	120	340	376	> 1600	> 1600
Apr-20	7.96	34	132	19	3	330	40	220	150	370	254	> 1600	> 1600
May-20	8.13	29	116	19	3.6	395	30	255	135	390	387	> 1600	> 1600
June-20	6.67	26	110	20	3.8	360	27.5	200	150	350	255	> 1600	> 1600
July-20	7.59	30	124	21	2.8	365	25	145	130	275	448	> 1600	> 1600
Aug-20	7.65	32	128	23	26	230	25	162	100	262	288	> 1600	> 1600
Sept-20	8.3	26	106	26	4	306	22	125	93	218	428	> 1600	> 1600
Oct-20	7.9	28	112	25	3	360	40	302	85	387	712	> 1600	> 1600
Nov-20	7.64	26	104	24	3.6	552	37	278	113	391	749	> 1600	> 1600
Dec-20	7.0	27	108	22	3.0	344	65	258	57	315	650	> 1600	> 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
Mar-20	7.94	1.2	6	20	10.8	100	9	85	51	136	279	30	80
Apr-20	8.2	1.2	3	20	10.6	110	10	60	22	82	236	40	80
May-20	7.5	1	6	19	8.4	120	10	80	75	155	213	50	70
June-20	7.75	1.2	6	20	8.6	256	9.5	148	110	258	254	40	60
July-20	8.0	1.2	6	22	8.8	169	17	118	83	201	262	40	70
Aug-20	7.6	1.4	6	23	8.6	184	16	190	50	240	222	60	110
Sept-20	8.15	2	6	29	10.6	165	13	90	62	152	328	70	130
Oct-20	8.18	1.2	6	29	8.6	235	10	140	60	200	317	84	140
Nov-20	7.15	1	6	18	8.4	55	10	40	30	70	154	70	120
Dec-20	8.0	1.4	6	20	9.2	100	9	70	40	110	240	63	110

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
Mar-20	7.7	<1	4	19	11.6	71	6.5	53	30	83	84	17	30
Apr-20	7.8	0.6	4	19	10.6	60	7.5	45	25	70	55	12	30
May-20	7.1	0.6	4	18	11	54	8	40	20	60	51	14	30
June-20	7.55	0.4	4	19	10.6	60	6	32	26	58	64	12	40
July-20	7.92	1	4	20	9.8	60	10	42	20	62	60	17	40
Aug-20	7.5	1	4	21	10	80	6.5	70	10	80	64	26	40
Sept-20	7.81	1	4	25	10.8	65	9	31	22	53	101	17	40
Oct-20	8.0	1	4	26	10.2	66	6	50	26	76	78	14	40
Nov-20	7.5	1	5	16	11.6	56	8	57	21	78	80	10	32
Dec-20	7.2	1	4	17	10.8	65	7	54	36	90	114	10	22

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
Mar-20	7.50	<1	4	19	10.4	60	10	48	22	70	75	26	40
Apr-20	7.5	0.8	4	19	9.8	45	6.5	30	20	50	80	17	40
May-20	8	0.4	4	18	9	50	12.5	35	20	55	78	26	40
June-20	7.57	1	4	20	9.4	65	6	35	25	60	63	22	40
July-20	8.04	1	4	20	9.2	74	7.5	40	23	63	60	17	40
Aug-20	7.8	1	4	22	9.4	140	7.5	105	45	150	62	30	50
Sept-20	7.52	1	4	25	10	68	9	33	20	53	104	27	50
Oct-20	8.05	1	4	24	9.8	63	7	55	17	72	86	24	40
Nov-20	7.4	1	5	16	10	67	10	55	19	74	110	17	38
Dec-20	7.0	1	4	18	9.8	90	8	50	20	70	114	12	32

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)	Chloride s (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	8.46	<1	4	16	10.8	108	8	80	20	100	94	<2	<2
Apr-20	7.7	0.8	4	18	10	70	8	60	20	80	94	9	30
Oct-20	8.46	1	4	22	8.6	140	9	97	45	142	203	<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 Dissolve d 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
Apr-20	8.05	1	6	19	9	50	12.5	40	14	54	72	26	40
Oct-20	8.15	1.2	6	24	8.2	85	7	43	37	80	105	27	58

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
Sept-20	7.61	1	4	20	10	49	8.5	37	11	48	75	<2	<2
Oct-20	7.72	1	5	16	10.2	100	5	71	11	82	123	<2	<2
Nov-20	7.49	1	5	18	10.8	110	7	73	24	97	184	<2	<2
Dec-20	8.0	1	4	13	10	62	8	75	18	93	123	<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
Sept-20	7.41	1	4	20	10	40	7	30	19	49	72	<2	<2
Oct-20	7.53	1	5	16	9.4	70	5	54	8	62	89	<2	<2
Nov-20	7.54	1	5	18	9.8	76	7	52	6	58	134	<2	<2
Dec-20	7.8	1	4	12	9.6	50	5	49	14	63	91	<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
Sept-20	7.62	1	4	19	9.6	63	7.5	45	23	68	112	<2	<2
Oct-20	7.63	1	5	17	9.2	121	7.5	85	2	87	137	<2	<2
Nov-20	7.32	1	5	17	10.4	115	10	74	25	99	196	<2	<2
Dec-20	8.0	1	6	12	9.2	70	9	78	26	104	144	<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
June-20	7.7	<1	4	20	10.8	65	5	62	12	74	54	<2	<2
July-20	7.6	1	4	20	11.8	67	8.5	44	34	78	74	<2	<2
Aug-20	7.3	1	4	21	9.8	44	7	30	28	58	88	<2	<2
Sept-20	7.66	1	4	21	10.2	59	7	48	18	66	107	<2	<2
Oct-20	7.73	1	5	18	10.4	95	6.5	72	4	76	120	<2	<2
Nov-20	7.48	1	5	16	10.8	106	7	57	24	81	170	<2	<2
Dec-20	8.0	1	4	14	10.2	66	7	78	19	97	136	<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
Apr-20	7.9	0.6	4	18	10.4	71	6	44	20	64	65	<2	<2
June-20	7.9	<1	4	19	9.4	70	7.5	42	20	62	56	<2	<2
July-20	7.7	1	4	19	11.4	66	10	45	23	68	63	<2	<2
Aug-20	7.87	1	4	20	10.4	55	6.5	38	22	60	83	<2	<2
Sept-20	7.3	1	4	20	9	63	10.5	53	15	68	111	<2	<2
Oct-20	7.81	1	5	17	10.8	100	5	61	18	79	109	<2	<2
Nov-20	7.17	1	4	16	11.2	133	8	72	32	104	190	<2	<2
Dec-20	8.1	1	4	15	9.8	78	9	73	23	96	144	<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
Apr-20	7.5	0.4	4	18	10.2	63	5	42	28	70	50	<2	<2
June-20	7.3	<1	4	19	9.6	50	8.5	35	30	65	50	<2	<2
July-20	7.5	1	4	19	11	60	7.5	48	20	68	75	<2	<2
Aug-20	7.32	1	4	20	9.4	32	6.5	32	13	45	68	<2	<2
Sept-20	7.29	1	4	20	8.8	44	12.5	45	17	62	79	<2	<2
Oct-20	7.92	1	5	18	8.8	65	5	45	9	54	88	<2	<2
Nov-20	7.89	1	4	17	10	71	9	36	34	70	127	<2	<2
Dec-20	8.1	1	4	14	10	44	8	42	25	67	84	<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
Mar-20	7.53	1	6	19	9.8	82	15	52	40	92	111	40	70
Apr-20	7.7	1	6	19	10	80	10	68	28	96	75	40	90
May-20	7.85	1	4	18	9.4	63	6.5	52	24	76	63	40	70
June-20	7.9	1	6	24	9	60	10	30	24	54	89	30	80
July-20	7.56	1	6	20	8.6	90	10	45	20	65	82	40	70
Aug-20	7.9	1.2	4	25	10	80	18.5	40	30	70	90	66	90
Sept-20	7.7	1.6	6	26	9.6	71	7	38	30	68	140	70	110
Oct-20	8.42	1.2	6	25	9.8	86	7	78	24	102	177	84	130
Nov-20	7.54	1.2	6	20	11.6	114	9	79	18	97	179	58	110
Dec-20	7.9	1.2	6	21	9	86	7.5	65	41	106	159	58	94

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
Mar-20	7.33	1	6	20	8.6	96	15.5	72	38	110	270	26	40
Apr-20	7.5	1	4	19	9	115	10	60	22	82	227	26	40
May-20	7.5	1.2	6	19	8.6	110	10	84	41	125	168	17	40
June-20	7.4	1	6	20	9	174	11	106	70	176	205	26	50
July-20	7.62	1.2	6	21	8	100	14	68	42	110	100	26	50
Aug-20	7.5	1.2	6	22	8.4	160	15	100	45	145	213	34	50
Sept-20	7.27	1.4	6	26	9.8	97	11	40	36	76	158	27	50
Oct-20	7.54	1.2	6	29	9.4	255	10	125	60	185	301	22	46
Nov-20	7.0	1.2	6	19	9	206	11.5	172	38	210	555	26	48
Dec-20	7.4	1.4	6	19	8.8	200	13.5	190	16	206	416	17	38

River Ganga D/S Swargaashram-1, 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	7.81	<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
Mar-20	7.58	<1	4	19	9.8	70	8.5	70	20	90	78	22	40
Apr-20	7.6	0.8	4	19	9.6	70	6.5	40	23	63	87	27	40
May-20	7.1	0.8	4	18	10	75	7.5	45	35	80	77	22	30
June-20	7.97	1	6	20	9.8	152	16	116	44	160	217	17	40
July-20	8.06	1.2	6	21	8.6	69	13	38	36	74	72	26	40
Aug-20	7.5	1	4	21	9	135	10	100	40	140	158	30	50
Sept-20	7.68	1	4	27	8.4	206	15	90	76	166	421	34	50
Oct-20	7.6	1.2	6	26	8.6	177	8	130	65	195	258	26	40
Nov-20	7.55	1	6	17	9.8	199	10	145	48	193	355	32	48
Dec-20	7.7	1.2	6	17	9.6	215	10	170	30	200	446	14	34

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
Mar-20	7.47	2	6	390	15	6.8	226	23	186	158	344	274
Apr-20	7.32	1	4	340	19	8.6	144	16	152	130	282	212
May-20	7.59	1.6	6.0	410	24	8.0	248	19	156	132	288	274
June-20	7.63	2.0	7.0	430	22	8.2	266	19	176	152	328	285
July-20	7.0	2.2	8.0	410	21	8.4	284	21	168	144	312	279
Aug-20	7.47	2.2	6.0	430	22	8.0	262	19	154	138	292	289
Sept-20	7.21	2.6	7.0	470	23	7.4	278	22	166	146	312	307
Oct-20	7.64	2.2	5.0	440	20	7.6	262	25	158	124	282	298
Nov-20	7.21	1.8	7.0	390	15	7.8	242	17	162	136	298	262
Dec-20	7.79	2.0	7.4	410	12	8.2	256	13	166	128	294	287

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
Mar-20	7.69	1.2	4.0	230	19	7.8	124	17	119	94	213	154
Apr-20	7.27	0.8	2.0	190	19	9.2	102	12	86	72	158	127
May-20	7.41	1.4	5.0	230	25	8.20	142	15	92	74	166	141
June-20	7.39	1.8	6.0	210	21	8.0	156	17	110	98	208	142
July-20	7.64	1.8	6.0	190	23	8.0	164	19	102	94	196	127
Aug-20	7.51	1.4	5.0	170	23	7.8	164	17	106	82	188	113
Sept-20	7.64	1.2	6.0	190	24	7.2	166	24	112	104	216	129
Oct-20	7.88	1.6	4.0	170	21	7.2	138	19	98	72	170	124
Nov-20	8.27	1.4	6.0	160	16	7.6	144	15	92	86	178	116
Dec-20	7.81	1.8	6.2	180	13	8.0	132	11	94	68	162	121

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 CaCO ₃ (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
Mar-20	7.81	2	8	280	20	6.2	128	18	127	74	201	188
Apr-20	7.46	1.4	5	210	21	7.8	132	13	97	66	163	140
May-20	7.73	1.6	8.0	280	27	7.8	166	17	128	82	210	183
June-20	7.81	2.6	9.0	260	24	7.8	158	21	134	102	236	179
July-20	8.14	3.0	10	280	25	7.8	178	24	142	106	248	187
Aug-20	7.96	2.6	8.0	260	24	7.4	166	21	126	102	228	176
Sept-20	7.64	3.0	10	280	26	6.8	178	17	118	96	214	183
Oct-20	7.91	2.6	8.0	210	24	6.6	184	26	122	104	226	149
Nov-20	7.28	3.2	10	190	18	7.0	166	21	116	102	218	175
Dec-20	7.51	3.6	9.0	180	14	7.4	148	19	108	96	204	166

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-20	7.3	4.0	30	404	8.0	6.4	262
Feb-20	7.46	4.0	25	430	30	5.9	259
Mar-20	8.3	3	20	200	32	6	123
Apr-20	7.5	3.5	20	450	32	6.6	298
May-20	7.8	3.6	24	369	40	5.0	253
June-20	8.10	4.6	24	256	36	3.2	370
July-20	7.9	4.0	19.6	420	29	4.2	281
Augst-20	7.96	4.8	16	390	32	6.7	274
Sept-20	7.96	4.9	17	393	31	6.3	270
Oct-20	7.9	4.0	20	410	32	4.2	274
Nov-20	7.8	4.5	21	420	18	4.1	314
Dec-20	7.3	4.6	20	410	17	4.3	304

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-20	7.4	10	30	442	8.0	7.8	287
Feb-20	7.66	15	35	520	30	4.6	248
Mar-20	8.4	4	30	380	30	5.8	380
Apr-20	7.5	4	16	360	32	7.7	224
May-20	8.0	4.0	24	316	30	6.10	219
June-20	8.0	8.0	32	240	36	3.5	171
July-20	7.8	5.6	36	280	28	3.4	189
Augst-20	7.41	5.8	22	256	30	6.8	128
Sept-20	7.51	5.7	20	250	30	6.9	129
Oct-20	7.8	5.2	26	310	27	4.0	200
Nov-20	7.6	5.5	22	326	18	3.9	228
Dec-20	7.2	5.9	29	485	12	3.9	338

Dhella River D/S at Thakurdwara, Aliganj 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-20	7.3	14	60	541	8.0	3.4	352
Feb-20	7.18	14	66	510	30	0.30	389
Mar-20	7.9	26	150	650	30	0.4	387
Apr-20	7.1	20	100			2	
May-20	Sample not collected due to COVID-19						
June-20	Sample not collected due to COVID-19						
July-20	Sample not collected due to COVID-19						
Augst-20	7.42	16	60	410	30	3.2	282
Sept-20	7.31	15.2	47	420	30	3.1	280
Oct-20	7.3	6.0	52	490	31	1.2	328
Nov-20	7.2	16	80	500	18	1.1	382
Dec-20	7.1	15	32	550	16	1.2	402

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-20	7.3	4.0	30	290	8.0	8.4	188
Feb-20	7.41	5.0	40	330	31	6.0	177
Mar-20	8.1	4.6	40	270	31	3.2	270
Apr-20	7.2	3	8	290	33	7	190
May-20	7.3	3.20	36	158	39	5.2	104
June-20	7.7	5.2	28	260	35	3.8	175
July-20	7.6	5.0	27	440	28	3.2	295
Augst-20	7.92	5.0	15	326	29	6.9	166
Sept-20	7.3	4.0	10	180	29	5.8	160
Oct-20	7.1	7.2	22	260	26	4.6	166
Nov-20	7.0	7.3	25	286	18	4.3	188
Dec-20	7.2	7.9	27	265	12	4.1	198

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-20	7.6	22	70	576	8	1.6	374
Feb-20	7.5	24	80	580	30	4.0	335
Mar-20	7.3	28	160	600	30	0.2	356
Apr-20	6.6	22	140	620	33	0.6	373
May-20	6.80	22	120	347	39	1.0	246
June-20	6.2	26	160	570	36	0.40	385
July-20	7.2	19.5	130	330	29	1.0	225
Augst-20	7.44	20	80	435	30	2.6	292
Sept-20	7.32	18	74	430	30	2.5	294
Oct-20	6.8	19.5	56	690	32	1.8	470
Nov-20	6.7	20	85	650	19	1.5	472
Dec-20	6.9	26	86	670	19	1.3	500

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-20	7.5	6.0	60	420	10	7.2	226
Feb-20	7.4	8.0	70	430	30	6.6	293
Mar-20	7.6	7	36	320	31	5.6	265
Apr-20	7.4	4	24	480	33	6.2	309
May-20	Sample not collected due to COVID-19						
June-20	Sample not collected due to COVID-19						
July-20	Sample not collected due to COVID-19						
Augst-20	8.2	5.10	16	320	33	6.5	208
Sept-20	8.1	5.0	16	325	32	5.9	228
Oct-20	7.9	9.2	40	580	31	4.4	387
Nov-20	7.2	8.6	42	340	19	4.2	228
Dec-20	7.1	8.5	42	351	9.0	4.0	240

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-20	7.3	8.0	20	209	10	6.2	146
Feb-20	7.78	9.0	28	310	29	6.6	111
Mar-20	Dry						
Apr-20	Dry						
May-20	Dry						
June-20	Dry						
July-20	8.5	5.4	32	200	32	3.0	133
Augst-20	7.01	5.0	32	180	33	6.9	114
Sept-20	Dry						
Oct-20	Dry						
Nov-20				Dry			
Dec-20				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-20	7.6	10	40	520	10	4.2	238
Feb-20	7.66	8.0	30	440	29	5.2	227
Mar-20	8.9	12	50	360	31	4	219
Apr-20	7.6	10	44	370	32	4.7	245
May-20	7.9	8.0	48	305	41	5.40	216
June-20	8.20	8.6	48	270	38	2.6	175
July-20	8.4	6.0	45	170	31	2.9	116
Augst-20	7.7	5.6	18	260	33	6.3	168
Sept-20	7.87	2.5	14	200	32	7.87	167
Oct-20	7.5	4.8	16	390	33	5.4	250
Nov-20	7.6	4.6	18	400	19	5.2	308
Dec-20	7.5	4.5	19	430	13	5.0	325

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-20	7.2	6.6	80	565	10	3.4	328
Feb-20	7.44	7.0	50	530	30	2.4	321
Mar-20	8.8	8	40	820	32	2.6	482
Apr-20	7.4	6	28	550	35	4	341
May-20	7.6	10	60	758	39	3.8	490
June-20	8.0	12	80	440	37	3.0	282
July-20	8.1	8.2	68.6	410	32	3.0	276
Augst-20	7.97	4.8	16	334	33	6.9	168
Sept-20	8.3	3.0	13	310	32	4.1	165
Oct-20	7.67	4.7	22	470	19	6.1	398
Nov-20	7.57	4.7	22	470	19	6.1	398
Dec-20	7.4	4.8	22	450	12	6.0	450

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-20	7.2	5.2	10	486	10	6.8	257
Feb-20	7.54	8.0	25	540	30	4.4	248
Mar-20	8.5	6.0	30	490	31	2.0	288
Apr-20	7.4	3	18	450	33	8	311
May-20	7.6	4.60	28	460	39	6.20	312
June-20	7.20	6.4	36	470	37	3.10	319
July-20	7.8	10.0	50	270	32	2.8	179
Augst-20	7.38	3.90	14	260	33	5.7	178
Sept-20	7.85	4.5	12	270	34	3.9	175
Oct-20	7.3	5.4	19	300	33	4.8	192
Nov-20	7.38	5.2	20	310	19	4.4	238
Dec-20	7.1	5.7	21	340	10	4.1	258

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-20	7.3	16	40	562	10	1.4	298
Feb-20	7.16	20	40	580	30	1.6	304
Mar-20	7.9	6.8	60	540	31	2.8	317
Apr-20	7.5	5.2	36	410	33	3.7	269
May-20	7.0	6.40	44	456	39	3.10	310
June-20	7.8	8.2	44	420	37	2.9	282
July-20	7.4	15	80	760	31	2.5	502
Augst-20	7.48	4.1	14	566	32	7.3	286
Sept-20	7.34	8.0	44	730	32	2.3	287
Oct-20	7.6	14	48	550	33	2.2	372
Nov-20	7.2	15	70	560	18	2.3	386
Dec-20	6.9	13.5	79	580	10	2.0	396