

River Alaknanda B/C River Dhauli Ganga at Vishnuprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
1	Jan-24	08°C	7.45	28	43	12.0	2.0	30	22	08	27	1.0	4.0	<1.8	<1.8	<1.8	0.03	0.01	10.63	0.07	0.10	1.3	1.0	0.10	A
	Feb-24	07°C	7.62	33	51	11.8	3.0	36	26	10	31	1.0	4.0	<1.8	<1.8	<1.8	0.01	0.01	12.20	0.09	0.13	1.6	1.2	0.12	A
River Dhauli Ganga B/C River Alaknanda at Vishnuprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
2	Jan-24	08°C	7.88	75	115	11.4	4.0	82	58	24	79	1.0	4.0	<1.8	<1.8	<1.8	0.04	0.01	13.25	0.09	0.09	1.8	1.5	0.09	A
	Feb-24	06°C	8.07	84	128	11.2	5.0	89	61	28	87	1.0	4.0	<1.8	<1.8	<1.8	0.05	0.02	11.42	0.11	0.07	2.2	1.8	0.10	A
River Alaknanda A/C River Dhauli Ganga at Vishnuprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
3	Jan-24	07°C	7.70	58	88	11.8	3.0	67	48	19	60	1.0	4.0	<1.8	<1.8	<1.8	0.03	0.01	12.82	0.11	0.11	1.4	1.3	0.07	A
	Feb-24	06°C	7.89	63	95	11.6	4.0	70	50	20	65	1.0	4.0	<1.8	<1.8	<1.8	0.02	0.01	11.69	0.07	0.09	1.7	1.5	0.09	A
River Alaknanda B/C River Nandakini at Nandprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
4	Jan-24	09°C	7.91	72	110	11.4	3.0	73	51	22	68	1.0	4.0	<1.8	<1.8	<1.8	0.06	0.03	10.31	0.12	0.13	1.7	1.4	0.09	A
	Feb-24	08°C	8.02	78	119	11.2	4.0	81	57	24	72	1.0	4.0	<1.8	<1.8	<1.8	0.05	0.02	11.63	0.08	0.16	2.0	1.7	0.10	A
River Nandakini B/C River Alaknanda at Nandprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
5	Jan-24	10°C	8.03	48	73	11.0	2.0	54	44	10	51	1.0	4.0	26	22	<1.8	0.04	0.02	10.20	0.09	0.09	1.8	1.6	0.11	A
	Feb-24	09°C	7.94	53	81	10.8	3.0	56	42	14	54	1.0	4.0	34	27	<1.8	0.03	0.01	11.30	0.07	0.10	2.1	1.8	0.12	A
River Alaknanda A/C River Nandakini at Nandprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
6	Jan-24	09°C	7.99	63	97	11.2	3.0	70	53	17	66	1.0	4.0	<1.8	<1.8	<1.8	0.02	0.01	11.73	0.10	0.14	1.6	1.3	0.08	A
	Feb-24	08°C	8.10	69	105	11.0	4.0	74	55	19	70	1.0	4.0	<1.8	<1.8	<1.8	0.04	0.02	12.85	0.07	0.09	1.9	1.6	0.10	A
River Alaknanda B/C River Pindar at Karanprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
7	Jan-24	10°C	8.06	70	106	11.0	3.0	78	62	16	72	1.0	4.0	<1.8	<1.8	<1.8	0.03	0.01	12.48	0.09	0.10	1.3	1.1	0.06	A
	Feb-24	08°C	8.19	79	120	10.8	3.0	83	66	17	81	1.0	4.0	<1.8	<1.8	<1.8	0.06	0.02	13.41	0.06	0.13	1.7	1.3	0.08	A
River Pindar B/C River Alaknanda at Karanprayag																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
8	Jan-24	11°C	8.18	79	120	10.4	3.0	95	71	24	86	1.0	4.0	27	22	<1.8	0.06	0.04	11.98	0.07	0.09	2.0	1.8	0.09	A
	Feb-24	09°C	8.04	85	129	10.2	4.0	97	75	22	90	1.0	4.0	22	17	<1.8	0.05	0.02	12.42	0.12	0.12	2.4	2.0	0.11	A
River Alaknanda A/C River Pindar at Karanprayag																									

S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
9	Jan-24	10°C	8.10	75	115	11.0	2.0	88	69	19	81	1.0	4.0	<1.8	<1.8	<1.8	0.04	0.02	10.82	0.09	0.08	1.7	1.4	0.08	A	
	Feb-24		8.16	81	123	10.8	3.0	92	71	21	88	1.0	4.0	<1.8	<1.8	<1.8	0.05	0.03	11.48	0.09	0.11	2.0	1.6	0.09	A	
<b>River Mandakini B/C River Alaknanda at Rudraprayag</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
10	Jan-24	07°C	7.68	51	78	11.2	3.0	61	48	13	57	1.0	4.0	<1.8	<1.8	<1.8	0.08	0.02	18.63	0.14	0.19	2.6	2.2	0.14	A	
	Feb-24	08°C	7.75	60	92	11.0	3.0	67	52	15	61	1.0	4.0	<1.8	<1.8	<1.8	0.13	0.04	19.52	0.13	0.12	2.8	2.4	0.15	A	
<b>River Alaknanda B/C River Mandakini at Rudraprayag</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
11	Jan-24	08°C	8.04	86	129	10.8	3.0	96	75	21	88	1.0	4.0	<1.8	<1.8	<1.8	0.09	0.01	17.28	0.12	0.17	2.0	1.6	0.09	A	
	Feb-24	09°C	7.91	98	149	10.8	4.0	104	79	25	99	1.0	4.0	<1.8	<1.8	<1.8	0.09	0.04	20.41	0.11	0.11	2.3	2.0	0.10	A	
<b>River Alaknanda A/C River Mandakini at Rudraprayag</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
12	Jan-24	07°C	7.93	72	110	11.0	3.0	87	69	18	79	1.0	4.0	<1.8	<1.8	<1.8	0.11	0.02	20.43	0.13	0.20	2.2	2.0	0.10	A	
	Feb-24	08°C	7.80	85	130	10.8	4.0	95	72	23	89	1.0	4.0	<1.8	<1.8	<1.8	0.12	0.03	21.96	0.12	0.13	2.6	2.3	0.12	A	
<b>River Mandakini D/S at Agustuni, Rudraprayag</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
13	Jan-24	07°C	7.54	40	61	11.6	2.0	55	40	15	48	1.0	4.0	<1.8	<1.8	<1.8	0.12	0.04	18.93	0.16	0.15	2.1	1.9	0.12	A	
	Feb-24	07°C	7.66	47	72	11.4	3.0	59	42	17	52	1.0	4.0	<1.8	<1.8	<1.8	0.10	0.06	22.43	0.09	0.10	2.4	2.1	0.14	A	
<b>River Yamuna D/S at Sayana-Chatti ,Uttarkashi District</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
14	Jan-24																									
<b>River Bhagirathi D/S at Uttarkashi, Uttarkasi District</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
15	Jan-24	16°C	7.85	59	91	10.8	2.0	63	48	15	57	1.0	4.0	47	39	<1.8	0.08	0.03	20.11	0.15	0.20	2.8	2.3	0.15	A	
	Feb-24	12°C	7.71	66	99	10.6	3.0	72	54	18	63	1.0	4.0	48	40	<1.8	0.11	0.02	21.52	0.13	0.17	3.3	2.7	0.17	A	
<b>River Yamuna at Barkot</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
16	Jan-24	11°C	8.01	70	106	10.8	2.0	67	55	12	62	1.0	4.0	<1.8	<1.8	<1.8	0.05	0.01	17.96	0.08	0.18	1.9	1.6	0.10	A	
	Feb-24	11°C	7.88	64	97	10.6	3.0	62	47	15	59	1.0	4.0	<1.8	<1.8	<1.8	0.11	0.05	20.41	0.13	0.20	2.2	1.8	0.12	A	
<b>River Alaknanda B/C River Bhagirathi at Devprayag</b>																										
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria	
17	Jan-24	13°C	7.78	60	91	10.8	4.0	73	51	22	65	1.0	4.0	<1.8	<1.8	<1.8	0.06	0.04	11.96	0.16	0.10	2.4	2.3	0.12	A	

	Feb-24	13°C	7.68	71	108	10.6	5.0	82	57	25	78	1.0	4.0	<1.8	<1.8	<1.8	0.08	0.03	12.63	0.20	0.15	2.9	2.6	0.14	A
<b>River Bhagirathi B/C River Alaknanda at Devprayag</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
18	Jan-24	14°C	8.26	48	74	10.6	2.0	53	40	13	51	1.0	4.0	<1.8	<1.8	<1.8	0.04	0.02	12.65	0.11	0.12	2.6	2.4	0.15	A
	Feb-24	14°C	7.83	53	82	10.4	3.0	56	42	14	50	1.0	4.0	<1.8	<1.8	<1.8	0.05	0.03	13.42	0.15	0.13	3.0	2.7	0.17	A
<b>River Alaknanda A/C River Bhagirathi (River Ganga D/S) at Devprayag</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
19	Jan-24	13°C	8.10	63	96	10.8	3.0	66	48	18	64	1.0	4.0	<1.8	<1.8	<1.8	0.05	0.02	14.75	0.13	0.15	2.3	2.2	0.12	A
	Feb-24	13°C	7.79	69	105	10.6	4.0	74	53	21	71	1.0	4.0	<1.8	<1.8	<1.8	0.03	0.03	11.79	0.15	0.14	2.7	2.4	0.14	A
<b>Tehri lake at Koti colony, Tehri</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
20	Jan-24	18°C	8.05	54	81	10.2	3.0	58	44	14	53	1.0	4.0	48	41	2.0	0.06	0.01	20.44	0.18	0.16	2.1	2.0	0.12	A
	Feb-24	16°C	7.96	52	78	10.0	4.0	50	38	12	44	1.0	4.0	41	34	2.0	0.04	0.01	18.70	0.14	0.12	2.8	2.5	0.17	A
<b>River Ganga U/S at Lakshmanjhula, Rishikesh</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
21	Jan-24	11°C	7.80	69	104	10.8	2.0	72	50	22	70	1.0	4.0	26	22	<1.8	0.08	0.03	42.16	0.19	0.22	2.8	2.6	0.14	A
	Feb-24	16°C	7.50	77	118	10.6	4.0	85	59	26	80	1.0	4.0	32	26	<1.8	0.09	0.05	45.63	0.22	0.25	3.1	2.8	0.15	A
<b>River Ganga D/S Swargashram-1, Rishikesh</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
22	Jan-24	13°C	7.89	75	115	10.4	3.0	79	54	25	77	1.0	4.0	33	27	<1.8	0.12	0.02	40.73	0.17	0.25	3.1	2.9	0.15	A
	Feb-24	16°C	7.58	88	135	10.2	5.0	98	68	30	90	1.0	4.0	39	33	<1.8	0.07	0.01	38.44	0.23	0.19	3.3	3.1	0.14	A
<b>River Ganga D/S at Bairaa, Rishikesh,</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
23	Jan-24	13°C	7.55	71	108	10.6	3.0	75	56	19	73	1.0	4.0	40	34	<1.8	0.09	0.02	48.52	0.19	0.22	2.6	2.2	0.13	A
	Feb-24	18°C	7.46	81	123	10.4	5.0	87	59	28	84	1.0	4.0	47	39	<1.8	0.08	0.03	52.32	0.15	0.18	2.9	2.6	0.13	A
<b>River Ganga A/C River Song (River Ganga D/S) at Raiwala, Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
24	Jan-24	16°C	8.33	150	226	9.2	5.0	131	105	26	121	1.1	5.0	70	49	4.5	0.11	0.03	42.96	0.22	0.23	4.8	3.6	0.18	B
	Feb-24	17°C	8.07	130	196	9.0	7.0	142	112	30	133	1.3	5.0	63	46	4.0	0.09	0.01	45.77	0.16	0.31	5.1	3.3	0.19	B
<b>River Ganga A/C River Song (River Ganga D/S) Near Birla guest house, Dist-Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococcss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
25	Jan-24	14°C	8.14	131	198	9.4	5.0	122	99	23	114	1.1	5.0	94	70	<1.8	0.06	0.04	55.28	0.23	0.22	5.0	3.9	0.20	B

	Feb-24	16°C	7.93	144	218	9.2	6.0	135	108	27	124	1.2	5.0	79	49	<1.8	0.08	0.05	52.46	0.20	0.26	5.3	3.7	0.20	B
<b>River Suswa D/S at Mathurawala, Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
26	Jan-24	15°C	7.31	316	475	2.8	32.0	307	250	57	293	26.0	90.0	22×10 <sup>2</sup>	13×10 <sup>2</sup>	540	0.25	0.08	127.90	0.21	0.25	31.5	6.2	0.78	E
	Feb-24	18°C	7.49	335	505	2.4	34.0	347	281	66	339	28.0	100.0	17×10 <sup>2</sup>	14×10 <sup>2</sup>	920	0.32	0.03	136.52	0.15	0.21	30.0	6.8	0.70	E
<b>River Suswa U/S at Barafutta, Doiwala, Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
27	Jan-24	17°C	7.65	277	416	5.4	19.0	267	230	37	255	2.8	8.0	350	280	110	0.26	0.07	125.40	0.20	0.24	30.1	5.7	0.80	B
	Feb-24	17°C	7.77	291	438	5.2	20.0	299	256	43	293	3.0	9.0	280	220	140	0.38	0.02	129.73	0.26	0.25	28.9	5.3	0.73	B
<b>River Song D/S before confluence in to River Ganga Near Nepali Farm, Rishikesh</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
28	Jan-24	13°C	7.90	142	214	8.4	6.0	130	105	25	121	1.2	5.0	140	79	6.8	0.11	0.04	52.17	0.23	0.20	13.6	2.9	0.52	B
	Feb-24	18°C	7.82	165	250	8.0	9.0	150	119	31	137	1.4	6.0	120	94	6.1	0.13	0.03	55.79	0.19	0.25	14.0	3.2	0.50	B
<b>River Ganga near Visthaphit Colony, Rishikesh</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
29	Jan-24	14°C	8.07	88	133	10.2	4.0	90	68	22	84	1.0	4.0	47	40	<1.8	0.08	0.04	50.63	0.15	0.18	2.8	2.5	0.13	A
	Feb-24	18°C	7.80	103	156	10.0	6.0	98	73	25	96	1.0	4.0	48	41	<1.8	0.11	0.01	49.63	0.20	0.25	3.1	2.8	0.14	A
<b>River Yamuna D/S at Vikash Nagar, Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
30	Jan-24	19°C	7.88	99	150	10.0	5.0	101	84	17	96	1.0	4.0	94	70	6.1	0.09	0.02	32.10	0.21	0.18	3.4	2.8	0.15	B
	Feb-24	12°C	7.74	107	162	9.8	6.0	110	87	23	108	1.1	4.0	110	79	6.1	0.12	0.05	35.89	0.25	0.27	3.8	3.1	0.16	B
<b>Yamuna Canal at Dakpathar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
31	Jan-24	19°C	7.96	74	112	10.2	3.0	79	65	14	77	1.0	4.0	79	49	4.5	0.07	0.01	40.43	0.13	0.20	3.2	2.5	0.16	B
	Feb-24	13°C	7.89	80	122	10.0	4.0	86	69	17	84	1.0	4.0	94	49	4.0	0.09	0.03	48.52	0.22	0.15	3.5	2.8	0.16	B
<b>River Yamuna at Dakpathar, Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
32	Jan-24	18°C	8.05	81	122	10.4	4.0	85	69	16	83	1.0	4.0	94	63	4.5	0.08	0.02	23.41	0.19	0.16	3.5	2.7	0.16	B
	Feb-24	12°C	7.94	86	130	10.2	5.0	92	72	20	90	1.0	4.0	79	49	4.0	0.06	0.04	29.74	0.23	0.23	3.7	3.0	0.17	B
<b>River Yamuna at Lakhwar, Dehradun</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
33	Jan-24	19°C	8.13	84	127	10.8	3.0	89	75	14	87	1.0	4.0	<1.8	<1.8	<1.8	0.11	0.06	26.12	0.20	0.15	2.5	2.1	0.11	A
	Feb-24	13°C	7.99	77	117	10.6	4.0	83	66	17	80	1.0	4.0	<1.8	<1.8	<1.8	0.09	0.02	33.96	0.25	0.18	2.8	2.3	0.13	A

River Yamuna at Kalsi, Dehradun																									
34	Jan-24	17°C	8.26	97	148	10.6	4.0	99	82	17	95	1.0	4.0	48	40	2.0	0.09	0.05	40.21	0.23	0.13	2.8	2.5	0.12	A
	Feb-24	12°C	8.10	92	139	10.4	5.0	96	75	21	94	1.0	4.0	41	34	2.0	0.11	0.01	45.39	0.16	0.16	3.2	2.8	0.14	A
River Tons Before joining to River Yamuna at Dakpathar, Dehradun																									
35	Jan-24	18°C	7.75	75	114	10.4	3.0	81	65	16	78	1.0	4.0	47	39	<1.8	0.12	0.04	43.83	0.19	0.12	3.1	2.3	0.15	A
	Feb-24	12°C	7.86	83	125	10.2	4.0	90	71	19	87	1.0	4.0	48	41	<1.8	0.07	0.03	50.11	0.22	0.24	3.3	2.6	0.15	A
River Tons at Selaqui, Dehradun																									
36	Jan-24	18°C	7.93	180	271	7.0	10.0	242	220	22	210	2.3	8.0	350	240	70	0.16	0.09	128.67	0.26	0.20	7.5	2.6	0.21	B
	Feb-24	12°C	7.79	191	288	6.8	11.0	260	233	27	235	2.4	8.0	430	350	94	0.23	0.04	136.46	0.13	0.29	7.9	3.0	0.21	B
River Rispana U/S at Shikhar Fall, Dehradun																									
37	Jan-24	16°C	7.78	149	225	8.6	6.0	157	132	25	152	1.0	4.0	70	33	<1.8	0.13	0.02	150.19	0.18	0.26	9.0	2.1	0.31	B
	Feb-24	18°C	7.91	160	242	8.4	7.0	171	142	29	165	1.0	4.0	63	46	<1.8	0.15	0.04	148.79	0.24	0.34	8.7	2.6	0.29	B
River Rispana D/S Near IT Park, Dehradun																									
38	Jan-24													River was dry.											
	Feb-24													River was dry.											
River Rispana B/C to River Bindal at Mothorowala																									
39	Jan-24	17°C	7.35	281	422	2.4	32.0	295	233	62	266	28.0	100.0	17×10 <sup>2</sup>	14×10 <sup>2</sup>	540	0.26	0.09	112.40	0.17	0.28	28.5	8.0	0.72	E
	Feb-24	18°C	7.52	295	445	2.2	34.0	306	239	67	282	29.0	100.0	14×10 <sup>2</sup>	11×10 <sup>2</sup>	540	0.32	0.02	113.5	0.14	0.23	29.2	8.3	0.72	E
River Bindal U/S at Bindal Bridge, Dehradun																									
40	Jan-24	18°C	7.24	289	435	1.2	43.0	304	245	59	294	50.0	150.0	1600	920	430	0.25	0.09	132.10	0.16	0.26	44.6	14.7	1.11	E
	Feb-24	19°C	7.38	306	460	1.0	45.0	325	255	70	314	52.0	160.0	1600	920	540	0.28	0.04	140.65	0.19	0.20	50.0	14.9	1.20	E
River Bindal D/S Near Kargi Chowk, Dehradun																									
41	Jan-24	15°C	7.11	317	477	1.6	32.0	331	265	66	323	46.0	140.0	22×10 <sup>2</sup>	13×10 <sup>2</sup>	920	0.30	0.12	132.72	0.18	0.25	42.9	17.1	1.02	E
	Feb-24	18°C	7.23	337	506	1.4	34.0	357	278	79	346	48.0	150.0	21×10 <sup>2</sup>	17×10 <sup>2</sup>	920	0.35	0.09	129.44	0.14	0.21	43.7	17.6	1.00	E
River Bindal B/C to River Rispana at Mothorowala, Dehradun																									
42	Jan-24	16°C	7.40	338	507	2.0	30.0	349	288	61	308	28.0	110.0	22×10 <sup>2</sup>	17×10 <sup>2</sup>	920	0.33	0.13	120.11	0.21	0.29	20.2	6.6	0.47	E
	Feb-24	18°C	7.61	361	543	1.6	33.0	380	308	72	365	30.0	120.0	21×10 <sup>2</sup>	11×10 <sup>2</sup>	920	0.29	0.08	132.28	0.16	0.24	20.9	7.0	0.47	E
Asan Conservation Reserve, Dehradun																									
43	Jan-24	19°C	7.63	69	104	9.6	3.0	62	52	10	65	1.0	4.0	<1.8	<1.8	<1.8	0.15	0.05	45.16	0.13	0.17	2.6	2.3	0.14	A
	Feb-24	13°C	7.79	76	115	9.4	4.0	67	59	08	70	1.0	4.0	<1.8	<1.8	<1.8	0.19	0.02	52.19	0.17	0.28	2.9	2.5	0.15	A
River Ganga canal D/S at Har Ki Pauri, Rishikul Bridge, Haridwar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
44	Jan-24	15°C	8.30	149	234	9.1	10.0	129	60	69	118	1.4	8.0	110	79	14	0.35	0.12	26.29	0.19	0.35	3.5	1.6	0.13	B
	Feb-24	17.1°C	8.00	120	188	9.6	7.0	134	55	79	110	1.2	7.0	170	94	11	0.60	0.14	25.28	0.20	0.30	3.7	5.4	0.14	B
River Ganga at Har Ki Pouri, Haridwar																									

S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality
45	Jan-24	15.9°C	7.90	182	285	9.6	7.0	110	49	61	107	1.2	6.0	120	70	9.2	0.49	0.15	30.29	0.29	0.48	3.3	1.7	0.14	B
	Feb-24	16.5°C	8.20	150	234	9.8	6.0	112	40	72	105	1.0	7.0	110	79	14	0.45	0.15	21.32	0.17	0.50	3.7	2.2	0.15	B
<b>River Ganga D/S at Bisanpur Kundi Village, Haridwar</b>																									
46	Jan-24	23.2°C	7.60	192	301	8.8	8.0	118	57	61	104	1.6	9.0	130	79	9.2	0.39	0.16	34.59	0.34	0.56	4.7	2.1	0.19	B
	Feb-24	18°C	7.50	170	266	9.0	8.0	130	49	81	100	1.4	10.0	120	94	11	0.45	0.11	32.12	0.45	0.66	4.2	4.1	0.16	B
<b>River Ganga Canal at Lal Ta Rao Bridge, Haridwar</b>																									
47	Jan-24	15.7°C	8.30	227	355	9.1	9.0	105	45	60	97	1.2	8.0	120	70	9.2	0.40	0.09	25.38	0.34	0.56	3.5	1.6	0.15	B
	Feb-24	17°C	7.90	210	328	9.6	9.0	108	40	68	90	1.4	9.0	130	79	7.8	0.49	0.13	24.56	0.30	0.45	3.6	3.1	0.15	B
<b>River Ganga Canal at Damkothi, Haridwar</b>																									
48	Jan-24	16.1°C	8.10	192	301	8.8	8.0	118	52	66	110	1.2	7.0	94	63	6.1	0.36	0.12	26.87	0.21	0.49	3.3	1.4	0.13	B
	Feb-24	16.9°C	7.80	200	313	9.4	9.0	110	50	60	100	1.2	8.0	94	70	4.0	0.52	0.14	23.37	0.15	0.41	3.3	5.2	0.14	B
<b>River Ganga U/S at Bindughat Dudhiyaban, Haridwar</b>																									
49	Jan-24	15.3°C	8.20	124	194	8.7	7.0	102	48	54	92	1.4	8.0	110	79	9.3	0.35	0.12	24.48	0.34	0.56	3.9	1.9	0.17	B
	Feb-24	16.2°C	7.70	170	266	9.2	7.0	114	45	69	90	1.2	8.0	140	70	6.8	0.40	0.15	22.65	0.18	0.60	3.1	1.2	0.13	B
<b>River Ganga D/S at Balkumari Mandir, Ajeetpur, Haridwar</b>																									
50	Jan-24	29.9°C	7.50	190	297	9.5	10.0	122	57	65	109	1.2	8.0	120	94	9.2	0.44	0.19	28.79	0.51	0.49	4.7	2.2	0.18	B
	Feb-24	18.1°C	7.60	180	281	9.6	10.0	125	45	80	95	1.4	9.0	110	70	9.2	0.20	0.18	24.67	0.50	0.45	5.3	4.7	0.21	B
<b>Upper Ganga Canal D/S at Roorkee, Haridwar District</b>																									
51	Jan-24	15.3°C	7.60	167	261	8.7	7.0	138	68	70	125	1.4	12.0	120	84	14	0.37	0.20	38.91	0.41	0.56	3.4	1.7	0.13	B
	Feb-24	16°C	7.20	150	230	8.8	9.0	135	55	80	105	1.6	14.0	110	79	11	0.98	0.20	30.76	0.31	0.43	3.5	7.2	0.13	B
<b>River Banganga D/S at Laksar before entering U.P</b>																									
52	Jan-24	17.9°C	7.70	474	742	5.1	11.0	196	89	107	170	1.6	16.0	170	120	11	0.55	0.20	36.78	0.49	0.39	23.0	5.9	0.71	B
	Feb-24	18.8°C	7.60	340	531	6.8	12.0	220	95	125	185	1.8	16.0	150	94	9.3	0.94	0.88	35.71	0.23	0.41	27.5	6.7	0.80	B
<b>River Ganga D/S at Sultanpur, Haridwar</b>																									

S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria		
53	Jan-24	24.1°C	7.80	320	501	8.1	7.0	132	62	70	112	1.4	10.0	110	79	14	0.39	0.23	30.12	0.44	0.39	4.7	2.2	0.18	B		
	Feb-24	18.5°C	7.70	250	391	8.5	8.0	140	65	75	105	1.6	12.0	170	94	11	0.28	0.12	30.06	0.43	0.36	7.1	3.3	0.26	B		
<b>River Nayar D/S at Satpuli, Pauri Garhwal</b>																											
54	Jan-24	12°C	8.20	68	103	10.6	4.0	71	57	14	69	1.0	4.0	47	40	4.0	0.05	0.02	19.86	0.15	0.19	2.9	2.6	0.15	A		
	Feb-24	13°C	7.96	61	94	10.4	5.0	65	50	15	63	1.0	4.0	48	41	4.0	0.06	0.01	22.40	0.21	0.25	3.1	2.8	0.17	A		
<b>River Nayar U/S at Satpuli, Pauri Garhwal</b>																											
55	Jan-24	11°C	8.11	61	93	10.8	3.0	65	53	12	63	1.0	4.0	41	34	2.0	0.06	0.03	20.60	0.13	0.18	2.6	2.2	0.14	A		
	Feb-24	13°C	7.89	55	84	10.6	4.0	61	47	14	59	1.0	4.0	46	33	2.0	0.09	0.02	25.96	0.18	0.16	2.9	2.4	0.16	A		
<b>Nainital Lake Water Intake, Nainital</b>																											
56	Jan-24	12°C	7.59	256	430	9.0	13.0	256	140	116	202	2.2	6.0	120	94	2.0	0.15	0.05	52.10	0.25	0.20	8.3	2.9	0.22	B		
	Feb-24	13°C	7.73	322	480	8.6	15.0	248	134	114	236	2.0	6.0	110	79	2.0	0.18	0.03	56.41	0.20	0.24	7.9	2.7	0.22	B		
<b>Bheemtal Lake Water Intake, Nainital</b>																											
57	Jan-24	14°C	7.35	143	210	8.6	15.0	206	108	98	176	1.8	6.0	110	79	2.0	0.11	0.06	32.10	0.21	0.18	5.7	2.6	0.17	B		
	Feb-24	15°C	7.22	166	240	8.4	11.0	188	102	86	162	1.2	5.0	120	94	2.0	0.13	0.04	36.74	0.18	0.22	5.2	2.2	0.16	B		
<b>Gola River at Haldwani, Nainital</b>																											
58	Jan-24	17°C	7.92	189	280	8.2	25.0	220	118	102	186	2.4	6.0	110	70	4.0	0.15	0.08	28.60	0.20	0.15	4.0	3.1	0.12	B		
	Feb-24	19°C	7.48	180	260	8.0	24.0	224	116	108	178	2.2	6.0	120	84	4.0	0.19	0.05	30.63	0.15	0.19	4.3	2.9	0.12	B		
<b>Sattal lake, Nainital</b>																											
59	Jan-24	11°C	7.22	115	170	9.0	13.0	162	92	70	160	1.4	5.0	150	94	6.1	0.13	0.06	45.79	0.26	0.22	3.1	2.0	0.11	B		
	Feb-24	12°C	7.80	95	140	8.8	11.0	150	88	62	124	1.2	5.0	130	79	4.0	0.09	0.03	50.41	0.20	0.26	3.4	2.3	0.12	B		
<b>Naukichyatal lake, Nainital</b>																											
60	Jan-24	13°C	7.60	145	210	8.6	18.0	186	102	84	174	1.2	5.0	140	79	4.0	0.14	0.07	55.66	0.23	0.23	2.9	2.2	0.09	B		
	Feb-24	14°C	7.26	130	190	8.6	13.0	170	92	78	148	1.8	5.0	150	94	4.0	0.11	0.04	60.43	0.18	0.28	3.1	2.0	0.10	B		
<b>River Shipra D/S near Neem Karoli Dam, Bhawali, Nainital</b>																											

S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
61	Jan-24	13°C	7.14	150	210	8.4	24.0	228	120	108	188	2.0	6.0	130	79	4.5	0.13	0.05	35.41	0.19	0.23	3.7	1.4	0.11	B
	Feb-24	14°C	7.59	118	170	8.4	19.0	200	104	96	154	1.6	5.0	120	94	4.5	0.09	0.03	40.77	0.22	0.28	4.0	1.7	0.12	B
<b>Kosi River at Kashipur Bajpur Road Bridge, Kashipur, US Nagar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
62	Jan-24	16°C	7.20	178	267	7.9	10.0	285	172	113	275	2.2	14.0	280	170	20	0.11	0.27	36.4	0.12	0.26	8.4	5.9	0.22	B
	Feb-24	18°C	7.62	246	370	7.7	12.0	292	178	114	260	2.4	16.0	350	220	13	0.15	0.28	41.2	0.22	0.29	6.8	5.1	0.17	B
<b>Dhella River U/S at Kashipur Moradabad Road Bridge, US Nagar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
63	Jan-24	13°C	7.60	136	205	7.2	12.0	198	142	56	210	2.4	16.0	350	210	40	0.21	0.22	48.1	0.08	0.31	14.3	4.5	0.44	B
	Feb-24	20°C	7.84	166	254	7.0	14.0	228	161	67	195	2.5	18.0	280	220	32	0.24	0.26	52.5	0.11	0.26	12.5	3.5	0.36	B
<b>Dhella River D/S at Thakurdwara, Aliganj Road, US Nagar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
64	Jan-24	14°C	7.30	298	470	2.4	48.0	296	218	78	295	25.0	160.0	430	280	94	0.43	0.65	61.9	0.15	0.35	74.9	14.4	1.89	E
	Feb-24	20°C	7.39	342	512	2.6	46.0	316	230	86	275	23.0	144.0	350	240	79	0.38	0.51	65.5	0.18	0.32	78.5	13.1	1.91	E
<b>Bhella River U/S Kashipur, (U/S Ramnagar Road), US Nagar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
65	Jan-24	16°C	7.50	117	175	7.0	11.0	156	120	36	145	2.0	12.0	220	170	48	0.29	0.18	23.13	0.03	0.24	12.5	3.4	0.43	B
	Feb-24	14°C	7.41	165	252	6.8	13.0	168	128	40	150	2.4	15.0	280	220	39	0.26	0.21	28.4	0.08	0.25	10.2	3.8	0.34	B
<b>Bhella River at Lohia Bridge D/S Kashipur (D/S Lohiya Bridge), US Nagar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
66	Jan-24	16°C	7.20	164	270	2.8	28.0	254	162	92	265	16.0	120.0	540	430	94	0.30	0.26	38.06	0.13	0.45	27.3	8.6	0.74	E
	Feb-24	19°C	6.85	215	324	2.8	30.0	285	178	107	255	17.0	104.0	430	350	70	0.32	0.25	42.6	0.22	0.48	29.2	8.1	0.75	E
<b>Pilakhar River at Bilaspur, Rampur, US Nagar</b>																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
67	Jan-24	14°C	7.50	325	484	7.4	11.0	262	195	67	255	2.0	14.0	540	350	110	0.13	0.17	55.6	0.24	0.29	12.2	4.3	0.33	C
	Feb-24	18°C	7.34	312	470	7.1	13.0	228	172	56	240	2.4	18.0	430	280	94	0.21	0.28	64.2	0.28	0.32	10.8	4.6	0.31	B



Nanduar River U/S Sitarganj Industrial Area, (Nandour U/S Sitarganj), US Nagar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
68	Jan-24																								
	Feb-24	17°C	7.49	146	222	8.2	9.0	155	102	53	145	1.6	8.0	920	430	94	0.24	0.18	18.4	0.03	0.21	7.4	1.4	0.26	C
Nanduar River D/S Sitarganj Industrial Area, (Nandour D/S Sitarganj), US Nagar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
69	Jan-24	14°C	7.40	165	248	8.0	13.0	236	148	88	275	2.2	12.0	920	540	220	0.38	0.30	17.12	0.11	0.31	10.1	3.5	0.28	C
	Feb-24	17°C	7.81	233	352	7.8	15.0	286	177	109	260	2.4	12.0	1600	920	280	0.31	0.24	21.5	0.15	0.25	11.2	4.4	0.29	C
Kichha River at Kichha, (River Kichha (D/S Nagarbhalla, Kashipur), US Nagar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
70	Jan-24	15°C	7.60	254	385	5.8	29.0	288	176	112	255	3.2	28.0	430	220	47	0.25	0.48	60.56	0.18	0.29	35.1	7.5	0.90	D
	Feb-24	20°C	7.82	356	535	5.6	30.0	272	175	97	265	3.3	28.0	540	350	70	0.21	0.41	55.2	0.20	25	31.4	9.2	0.83	D
Kalyani River at U/S Pantnagar Industrial Area, US Nagar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
71	Jan-24	15°C	7.40	203	312	6.9	7.0	218	172	46	280	2.1	10.0	540	430	140	0.24	0.16	14.57	0.06	0.27	8.9	3.0	0.26	C
	Feb-24	17°C	7.96	294	442	6.5	10.0	254	198	56	245	2.4	16.0	920	350	110	0.28	0.21	25.4	0.11	0.22	5.8	2.2	0.16	C
River Kailash Downstream behind Sitarganj Industrial Area, US Nagar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
72	Jan-24	17°C	7.30	146	228	8.2	11.0	132	86	46	190	1.8	10.0	210	170	70	0.27	0.24	15.57	0.02	0.23	9.8	2.1	0.37	B
	Feb-24	17°C	7.88	189	295	8.0	12.0	158	98	60	180	2.0	12.0	280	220	94	0.28	0.19	21.4	0.08	0.24	7.8	2.4	0.27	B
Kalyani River at D/S Pantnagar Industrial Area, US Nagar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
73	Jan-24	17°C	7.20	294	456	2.2	45.0	332	204	128	320	26.0	176.0	1600	540	140	0.31	0.68	66.19	0.18	0.78	45.4	11.5	1.08	E
	Feb-24	19°C	6.93	418	628	1.8	49.0	356	217	139	335	28.0	192.0	920	540	170	0.38	0.54	88.3	0.32	0.54	52.6	13.2	1.21	E
River Kosi D/S near Khairna- Ranikhet Bridge, Almora																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococsss (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
74	Jan-24	14°C	7.55	159	230	8.2	21.0	234	120	114	182	2.2	6.0	120	94	2.0	0.15	0.09	55.63	0.22	0.28	5.4	1.9	0.15	B

	Feb-24	15°C	7.71	129	190	8.2	25.0	212	110	102	168	1.4	5.0	110	79	2.0	0.18	0.04	53.42	0.18	0.22	5.1	1.7	0.15	B
River Saryu D/S Near Bilona Bridge, Bageshwar																									
S.No.	Month	Temp	pH	TDS (mg/l)	EC (µS/cm)	DO (mg/l)	Chloride (mg/l)	Hardness (mg/l)	Calcium (mg/l)	Magnesium (mg/l)	Alkalinity (mg/l)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	Fecal Steptococccs (MPN/100 ml)	Nitrate-N (mg/l)	Nitrite-N (mg/l)	Sulphate (mg/l)	Phosphate (mg/l)	Fluoride (mg/l)	Sodium (mg/l)	Potassium (mg/l)	SAR	Designated Best use (DBU) Water Quality Criteria
75	Jan-24	15°C	7.87	165	240	8.4	24.0	214	112	102	174	1.6	5.0	140	79	4.0	0.11	0.09	42.13	0.19	0.31	3.0	1.6	0.09	B
	Feb-24	17°C	7.50	143	210	8.0	21.0	200	108	92	160	2.0	6.0	120	70	4.0	0.16	0.11	45.63	0.13	0.20	3.3	1.8	0.10	B