

WATER DATA

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.34	1	110	16	10.8
Feb-16	7.69	1.2	80	16	10.8
Mar-16	7.47	1	170	18	10.4
Apr-16	7.47	1	110	18	9.8
May-16	7.35	1	80	19	8.6
Jun-16	7.43	1	60	20	8.4
Jul-16	7.46	1	70	19	9
Aug-16	7.52	1	80	20	8.4
Sep-16	7.67	1	60	20	9.4
Oct-16					
Nov-16	7.51	<1	50	16	9.2
Dec-16	7.36	<1	70	15	9.6
Average	7.479	1.022	85.4545	17.91	9.491

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.83	<1	70	16	10.8
Feb-16	7.68	1	40	16	9.6
Mar-16	7.42	1	60	18	9.2
Apr-16	7.52	<1	40	18	9.6
May-16	7.42	<1	60	19	8.8
Jun-16	7.54	<1	70	20	8.6
Jul-16	7.48	<1	80	19	9.2
Aug-16	7.52	1	110	20	8.6
Sep-16	7.44	<1	50	20	9
Oct-16					
Nov-16	7.36	<1	60	18	9.2
Dec-16	7.46	<1	40	16	8.8
Average	7.52	1	61.8182	18.18	9.218

Upper Ganga Canal D/S Roorkee, Haridwar, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.65	1.2	220	16	10.6
Feb-16	7.82	1.2	110	16	9.2
Mar-16	7.52	1	220	18	10.4
Apr-16	7.58	1	170	18	9.6
May-16	7.48	1	140	20	8.6
Jun-16	7.82	1.2	110	19	9
Jul-16	7.78	1	140	20	9.4
Aug-16	7.71	1	170	20	8.6
Sep-16	7.84	1	140	20	10
Oct-16					
Nov-16	7.62	1	110	19	9.2
Dec-16	7.64	1	80	15	9.6
Average	7.678	1.055	146.3636	18.27	9.473

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.47	<1	90	16	10.4
Feb-16	7.75	<1	60	16	10.8
Mar-16	7.42	<1	80	17	10.4
Apr-16	7.45	<1	70	18	9.4
May-16	7.25	<1	50	19	10
Jun-16	7.62	<1	60	19	9.6
Jul-16	7.58	<1	70	20	9
Aug-16	7.54	<1	80	20	8.4
Sep-16	7.62	<1	60	20	8.8
Oct-16					
Nov-16	7.46	<1	70	17	9
Dec-16	7.82	<1	60	17	9.4
Average	7.544		68.1818	18.09	9.56

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.73	1	60	16	10
Feb-16	8.01	<1	50	16	9.6
Mar-16	7.62	1	60	18	9.2
Apr-16	7.64	1	40	18	8.8
May-16	7.44	1	50	20	8.4
Jun-16	7.79	<1	60	20	9.8
Jul-16	7.62	1	70	20	9
Aug-16	7.65	1	90	21	8.6
Sep-16	7.71	<1	70	20	8.6
Oct-16	7.61	<1	60	20	9
Nov-16	7.52	<1	40	18	8.8
Dec-16	7.64	1	30	17	8.8
Average	7.67	1	56.66667	18.67	9.05

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.68	1.2	500	15	10
Feb-16	7.82	1	300	16	10.6
Mar-16	7.64	1.2	350	17	10.2
Apr-16	7.8	1.4	300	18	9.8
May-16	7.62	1.2	280	20	9.4
Jun-16	7.46	1	240	20	9.4
Jul-16	7.78	1	280	21	9.2
Aug-16	7.71	1	220	20	8.8
Sep-16	7.82	1	170	21	8.6
Oct-16	7.52	1	110	20	8.4
Nov-16	7.46	1	90	16	8.6
Dec-16	7.82	1.2	110	16	8.2
Average	7.678	1.1	245.833	18.33	9.267

Ganga Canal at Lalita Rao Bridge, Haridwar (Upper Ganga Canal), Haridwar

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.68	1	140	17	10.6
Feb-16	7.85	<1	80	17	10
Mar-16	7.62	<1	110	17	10.2
Apr-16	7.64	<1	80	19	9.2
May-16	7.64	<1	60	19	8.6
Jun-16	7.72	<1	70	20	8.8
Jul-16	7.62	<1	90	19	8.2
Aug-16	7.74	<1	110	20	8.8
Sep-16	7.58	<1	70	20	8.6
Oct-16					
Nov-16	7.42	<1	60	17	8.8
Dec-16	7.52	<1	70	16	9.2
Average	7.639	1	85.45455	18.273	9.18

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.8	36	>1600	16	3.6
Feb-16	7.85	34	>1600	16	2.8
Mar-16	7.89	32	>1600	18	2.4
Apr-16	7.92	34	>1600	21	2.6
May-16	7.82	32	>1600	20	2.8
Jun-16	7.68	34	>1600	20	1.4
Jul-16	7.66	32	>1600	20	2.8
Aug-16	7.76	34	>1600	20	2.4
Sep-16	7.96	32	>1600	21	2.8
Oct-16	7.8	28	>1600	20	3.2
Nov-16	7.86	34	>1600	19	2.4
Dec-16	7.68	34	>1600	16	2.6
Average	7.807	33		18.92	2.65

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.5	1.2	500	16	9.2
Feb-16	7.42	1	350	16	9.4
Mar-16	7.56	1.2	240	18	9.6
Apr-16	7.65	1	170	21	9.2
May-16	7.52	1	110	20	8.8
Jun-16	7.43	1.4	80	20	7.8
Jul-16	7.71	1.2	110	20	7.6
Aug-16	7.62	1	220	20	8.6
Sep-16	7.64	1	280	20	8.4
Oct-16	7.72	1	170	20	8
Nov-16	7.56	1	140	18	8.6
Dec-16	7.62	1	300	15	8.8
Average	7.58	1.08	222.5	18.67	8.67

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.42	<1	23	16	9.6
Feb-16	7.24	<1	26	16	10.4
Mar-16	7.32	<1	22	17	10.6
Apr-16	7.82	<1	21	18	9.6
May-16	7.32	<1	22	19	9.4
Jun-16	7.12	<1	26	19	9.8
Jul-16	7.64	<1	30	19	9.2
Aug-16	7.34	<1	40	20	9.4
Sep-16	7.64	<1	30	20	10.2
Oct-16	7.51	<1	26	19	9.6
Nov-16	7.32	<1	22	17	9.8
Dec-16	7.23	<1	12	16	9.8
Average	7.41		25	18	9.78

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

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.65	<1	0	16	8.8
Apr-16	8.2	<1	0	19	8.6
Jul-16	7.71	<1	0	19	8.2
Oct-16	7.98	<1	0	19	9.2
Average	7.885		0	18.25	8.7

River Yamuna at U/S Dakpathar, (Yamuna U/S Dakpathar) Dehradun

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.84	1.4	40	17	8.6
Apr-16	7.9	1.2	50	18	8.4
Jul-16	7.64	1	60	20	8
Oct-16	7.92	1	30	19	8.8
Average	7.825	1.15	45	18.5	8.45

River Alaknanda A/C Mandakini at Rudrapryag, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.67	<1	0	16	9
Apr-16	7.82	<1	0	18	8.8
Jul-16	7.54	<1	0	19	8.2
Oct-16	8.12	<1	0	17	8.6
Average	7.788		0	17.5	8.65

River Mandakini B/C Alaknanda at Rudrapryag, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.54	<1	0	16	9.6
Apr-16	7.62	<1	0	16	8.6
Jul-16	7.42	<1	0	18	9.4
Oct-16	7.86	<1	0	17	9.2
Average	7.61		0	16.75	9.2

River Alaknanda B/C Mandakini at Rudrapryag, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.48	<1	0	15	9.4
Apr-16	7.8	<1	0	18	8.8
Jul-16	7.61	<1	0	19	8.4
Oct-16	7.86	<1	0	17	9.4
Average	7.688		0	17.25	9

River Alaknanda A/C Bhagirathi at Devpryag, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.62	<1	0	17	9.4
Apr-16	7.62	<1	0	17	9.6
Jul-16	7.52	<1	0	18	8.8
Oct-16	7.65	<1	0	18	9.2
Average	7.603		0	17.5	9.25

River Alaknanda B/C to Bhagirathi at Devpryag, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.52	<1	0	17	9.2
Apr-16	7.68	<1	0	18	9.2
Jul-16	7.46	<1	0	19	8.8
Oct-16	7.82	<1	0	17	8.6
Average	7.62		0	17.75	8.95

River Bhagirathi B/C with Alaknanda at Devpryag, Uttarakhand

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Jan-16	7.72	<1	0	17	9.6
Apr-16	7.89	<1	0	17	9.4
Jul-16	7.61	<1	0	19	9
Oct-16	7.84	<1	0	18	9.6
Average	7.77		0	17.75	9.4

Bhagirathi at Gangotri

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Apr-16	7.64	0	0	5	9.2

Yamuna U/S Yamunotri

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Apr-16	7.5	0	0	6	8.8

Yamuna D/S Syanachitti

Month	pH	BOD mg/L	Total Coliform	Temp	DO
Apr-16	7.6	0	0	8	8.6

Naini Lake at Nainital (Water Intake Point), Nainital

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.4	1.4	5	430	9	7.4
Feb-16	7.8	1.6	5	460	12	7.2
Mar-16	7.9	1.6	6	470	13	7.8
Apr-16	7.8	1.6	6	460	14	7.2
May-16	7.5	1.8	5	490	16	7.4
Jun-16	7.6	1.6	5	480	18	7.2
Jul-16	7.4	1.4	4	440	12	7.4
Aug-16	7.8	1.2	5	420	14	7.6
Sep-16	7.5	1.6	6	490	13	7.2
Oct-16	7.6	1.4	5	510	10	7.4
Nov-16	7.9	1.2	5	460	9	7.2
Dec-16	7.67	1.2	5	490	9	7.6
Average	7.7	1.47	5.167	466.666667	12.4	7.4

Bheemtal Lake, Nainital, Uttarakhand

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.4	1.4	5	210	10	7.2
Feb-16	7.2	1.2	6	240	13	7.4
Mar-16	7.46	1.6	5	180	11	7.6
Apr-16	7.62	1.2	4	210	14	7.4
May-16	7.6	1.6	6	220	16	7.6
Jun-16	7.8	1.4	5	240	17	7.2
Jul-16	7.6	1.2	5	230	14	7.6
Aug-16	7.5	1.6	4	210	12	7.4
Sep-16	7.8	1	4	220	13	7.6
Oct-16	7.5	1.2	4	200	10	7.6
Nov-16	7.7	1.2	4	200	10	7.6
Dec-16	7.9	1.2	6	210	10	7.8
Average	7.6	1.32	4.83	214.166667	12.5	7.5

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.7	1.4	5	210	12	7.5
Feb-16	7.9	1.6	6	230	15	7.2
Mar-16	7.5	1.6	5	220	14	7.6
Apr-16	7.68	1.4	6	230	16	7.8
May-16	7.8	1.6	5	220	20	7.6
Jun-16	7.4	1.4	5	240	19	7.2
Jul-16	7.2	1.4	4	230	14	7.4
Aug-16	7.4	1.2	4	220	12	7.6
Sep-16	7.6	1.6	7	240	14	7
Oct-16	7.5	1	4	220	11	7.4
Nov-16	7.3	1.2	5	230	11	7.2
Dec-16	7.5	1.6	5	210	11	7.4
Average	7.5	1.42	5.08	225	14.1	7.41

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.6	2.4	20	354	29	6.8
Feb-16	7.4	3	24	368	31	6.6
Mar-16	7.3	2.8	20	372	32	6.6
Apr-16	River dry					
May-16	River dry					
Jun-16	River dry					
Jul-16						
Aug-16	7.33	4.6	20	290	21	6.2
Sep-16	7.2	4.6	18	300	24	6.4
Oct-16	7.2	6	16	280	25	6.8
Nov-16	7.2	5.2	16	282	22	6.6
Dec-16	8.1	2.4	10	480	13	5.2
Average	7.41	3.87	18	340.75	24.62	6.4

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.4	8.4	42	248	21	8.8
Feb-16	7.3	3.2	26	294	31	6.2
Mar-16	River Dry					
Apr-16	River Dry					
May-16	River Dry					
Jun-16						
Jul-16						
Aug-16	7.6	6.6	40	380	20	4.2
Sep-16	7.4	6.8	26	520	26	3.6
Oct-16	7.4	8	18	360	26	4.4
Nov-16	7.4	6.4	16	315	23	4.2
Dec-16	7.2	4.8	14	290	14	5.2
Average	7.38	6.31	26	343.85	23	5.22

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	8.3	12	68	648	19	8.2
Feb-16	7.6	36	132	656	32	1.8
Mar-16	7.6	48	236	872	32	0
Apr-16	River Dry					
May-16	River Dry					
Jun-16	River Dry					
Jul-16						
Aug-16	7.52	22	80	440	23	1.2
Sep-16	7.5	22	180	650	28.2	0.8
Oct-16	7.4	80	134	990	27	0.6
Nov-16	7.5	36	92	760	25	2.6
Dec-16	7.6	40	126	670	13	1.2
Average	7.6275	37	131	710.75	24.9	2.05

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.4	4.6	20	282	18	6.2
Feb-16	7.1	3.8	22	374	32	8
Mar-16	7.1	3.4	20	360	30	8.2
Apr-16	River Dry					
May-16	River Dry					
Jun-16	River Dry					
Jul-16						
Aug-16	7.24	4.2	14	270	23	5.8
Sep-16	7.6	3.2	14	320	27.2	6.4
Oct-16	7.4	4	11	250	24	5.2
Nov-16	7	4	10	224	22	6.8
Dec-16	7.2	3.6	10	280	14	5.8
Average	7.255	3.85	15.125	295	23.775	6.55

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.6	76	324	548	23	0
Feb-16	6.8	48	174	528	32	0
Mar-16	6.8	42	185	548	32	0
Apr-16	River Dry					
May-16	River Dry					
Jun-16	River Dry					
Jul-16						
Aug-16	7.46	48	240	760	24	0
Sep-16	7.16	38	270	532	26	0.8
Oct-16	7.25	40	130	620	26	0.6
Nov-16	7.4	48	120	630	24	0
Dec-16	7.2	36	210	1120	14	0.2
Average	7.20875	47	206.625	660.75	25.125	0.2

Pilakhar River at Bilaspur, Rampur, US Nagar

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.6	8	36	458	26	5.4
Feb-16	7.6	5.6	38	406	31	5.2
Mar-16	7.4	5.2	32	396	31	5.4
Apr-16						
May-16	7.2	6.2	24	370	30	5
Jun-16	8.5	7.2	28	460	32	5.8
Jul-16						
Aug-16	7.8	5.6	38	590	30	5.4
Sep-16	7.2	4.8	32	620	26	5.6
Oct-16	7.3	4	26	780	26	4.8
Nov-16	8.2	5.2	48	580	22	8.2
Dec-16	7.16	6.2	38	710	15	8.4
Average	7.596	5.8	34	537	26.9	5.92

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16		3.2	16	234	28	8
Feb-16	7.1	3	16	186	30	6.6
Mar-16						
Apr-16						
May-16	River dry					
Jun-16						
Jul-16						
Aug-16	7.1	3.2	16	190	28	6.4
Sep-16	7.2	3	12	190	26	6.6
Oct-16	River dry					
Nov-16	River dry					
Dec-16						
Average	7.13333	3.1	15	200	28	6.9

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.6	4.8	24	292	27	7.6
Feb-16	7.2	3.4	18	286	32	6
Mar-16						
Apr-16						
May-16	river dry					
Jun-16	7.3	3	10	320	29	6.8
Jul-16						
Aug-16	7.3	3.6	18	330	29	6.2
Sep-16	7.4	4	20	340	27	5.8
Oct-16	7.5	4.8	24	380	26	3.4
Nov-16	8	13.2	36	270	22	5.4
Dec-16	7.93	4.6	30	350	16	9.2
Average	7.52875	5.175	22.5	321	26	6.3

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16	7.5	20	82	846	26	4.2
Feb-16	7.3	20	86	782	20	4
Mar-16						
Apr-16						
May-16	7.5	24	78	780	30	3.2
Jun-16	7.6	20	62	740	32	4.6
Jul-16						
Aug-16	7.4	16	78	670	30	5.2
Sep-16	7.8	12	64	510	27	4.4
Oct-16	7.4	28	94	786	28	4
Nov-16	7.6	30	88	660	22	3.6
Dec-16	8.1	10	42	980	15	4.6
Average	7.58	20	74.888889	750.444444	25.5556	4.2

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16						
Feb-16						
Mar-16						
Apr-16						
May-16	7.1	2.2	6	320	30	7.8
Jun-16	7.2	2.4	6	330	28	7.6
Jul-16						
Aug-16	7.1	2.6	6	290	29	7.2
Sep-16	7.3	2.4	8	280	27	7.2
Oct-16	7.2	2.6	10	268	25	6.8
Nov-16	7.1	2.2	10	240	21	8
Dec-16	7.9	2.8	22	410	14	8.4
Average	7.27143	2.4571429	9.71428571	305.4285714	24.8571	7.57143

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

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO
Jan-16						
Feb-16						
Mar-16						
Apr-16						
May-16	7.4	16	48	580	32	3.6
Jun-16	7.3	8.2	34	450	30	5.2
Jul-16						
Aug-16	7.3	8.8	38	480	29	4.8
Sep-16	7.6	8.6	42	620	28	3.2
Oct-16	7.4	10	46	590	25	3.6
Nov-16	7.4	6.4	38	450	22	4
Dec-16	8.14	6	30	540	14	6
Average	7.50571	9.14286	39.4286	530	25.7143	4.34286