

River Bhagirathi at Gangotri

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Apr-14	6.0	7.8	8.6	0	0
<b>Average</b>	<b>6.0</b>	<b>7.8</b>	<b>8.6</b>	<b>0</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Alaknanda B/C Mandakini Rudraprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	10.0	7.58	10.2	1.4	0
Apr-14	15.0	7.7	9.0	1.0	0
Jul-14	19.0	7.96	7.8	0.6	0
Oct-14	16.0	8.2	9.2	0.8	0
<b>Average</b>	<b>14.66</b>	<b>7.74</b>	<b>9.0</b>	<b>1.0</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Mandakini B/C Alaknanda Rudraprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	11.0	7.46	9.6	1.2	0
Apr-14	15.0	8.0	8.8	0.8	0
Jul-14	18.0	8.01	8.6	0.8	0
Oct-14	16.0	8.24	9.0	0.6	0
<b>Average</b>	<b>14.66</b>	<b>7.82</b>	<b>9.0</b>	<b>0.93</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Alaknanda A/C Mandakini Rudraprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	12.0	7.62	10	1.4	0
Apr-14	16.0	8.02	8.8	1.2	0
Jul-14	19.0	7.9	7.4	1.2	0
Oct-14	16.0	8.21	8.4	0.8	0
<b>Average</b>	<b>15.66</b>	<b>7.84</b>	<b>8.73</b>	<b>1.26</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Bhagirathi B/C Alaknanda Devprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	12.0	7.67	10.8	1.4	0
Apr-14	16.0	8.2	9.4	0.8	0
Jul-14	19.0	7.92	7.8	1.2	0
Oct-14	16.0	8.24	9.0	0.6	0
<b>Average</b>	<b>15.66</b>	<b>7.93</b>	<b>9.33</b>	<b>1.13</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Alaknanda B/C Bhagirathi Devprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	12.0	7.56	9.8	1.8	0
Apr-14	16.0	8.12	9.0	1.0	0
Jul-14	19.0	7.84	7.4	1.0	0
Oct-14	17.0	8.22	8.8	1.0	0
<b>Average</b>	<b>15.66</b>	<b>7.84</b>	<b>8.73</b>	<b>1.26</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Alaknanda A/C Bhagirathi Devprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	12.0	7.62	10.0	1.4	0
Apr-14	16.0	8.2	8.8	1.2	0
Jul-14	19.0	7.9	7.4	1.2	0
Oct-14	16.0	8.21	8.4	0.8	0
<b>Average</b>	<b>15.66</b>	<b>7.84</b>	<b>8.73</b>	<b>1.26</b>	<b>0</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Ganga U/S Lakshmanjhula

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	11.0	7.34	9.1	1.3	26
Feb-14	12.0	7.31	8.9	1.1	34
Mar-14	13.0	7.47	9.0	1.2	40
Apr-14	16.0	7.59	9.0	1.0	23
May-14	18.0	7.53	9.4	1.4	0
Jun-14	20.0	7.69	8.2	1.2	26
Jul-14	20.0	7.86	7.4	1.2	0
Aug-14	20.0	7.97	8.4	1.2	17
Sep-14	18.0	7.86	8.8	0.8	26
Oct-14	18.0	7.93	8.6	1.0	0
Nov-14	15.0	7.84	8.8	0.8	7.0
Dec-14	14.0	7.81	9.6	1.0	04
<b>Average</b>	<b>16.25</b>	<b>7.68</b>	<b>8.76</b>	<b>1.01</b>	<b>16.91</b>
<b>Quality Criteria For Class B</b>		<b>6.5-8.5</b>	<b>5 mg/l or more</b>	<b>3 mg/l or less</b>	<b>500 MPN/100 ml or less</b>

Upper Ganga Canal D/S Harki Pauri Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	14.0	7.84	9.0	2.2	140
Feb-14	14.0	7.52	8.8	1.8	170
Mar-14	17.0	7.86	8.6	2.2	170
Apr-14	20.0	7.5	8.2	2.0	110
May-14	21	7.61	8.4	1.8	90
Jun-14	21	7.65	7.8	1.6	80
Jul-14	20	7.46	7.8	2.2	50
Aug-14	22	7.88	7.8	1.6	90
Sep-14	22.0	7.74	8.4	1.4	50
Oct-14	16.0	7.85	8.6	1.4	26
Nov-14	16.0	7.85	8.6	1.4	26
Dec-14	15.0	7.5	8.2	1.4	80
<b>Average</b>	<b>18.16</b>	<b>7.68</b>	<b>8.3</b>	<b>1.75</b>	<b>90.16</b>
<b>Quality Criteria For Class B</b>		<b>6.5-8.5</b>	<b>5mg/l or more</b>	<b>3 mg/l or less</b>	<b>500 MPN/100 ml or less</b>

River Ganga D/S Missarpur Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	16.0	8.1	6.0	4.4	>1600
Feb-14	15.0	7.58	6.4	4.8	>1600
Mar-14	26.0	7.63	6.0	5.2	>1600
Apr-14	24.0	7.51	4.8	6.8	>1600
May-14	27.0	7.74	4.0	7.2	>1600
Jun-14	23.0	7.71	6.2	6.0	<1600
Jul-14	23.0	7.66	6.0	4.4	>1600
Aug-14	24.0	7.65	6.0	3.2	>1600
Sep-14	23.0	7.63	5.8	3.6	>1600
Oct-14	25.0	6.3	4.0	6.4	>1600
Nov-14	17.0	8.09	8.4	1.4	14
Dec-14	15.0	8.27	10.2	1.4	14
<b>Average</b>	<b>21.5</b>	<b>7.6</b>	<b>6.15</b>	<b>4.5</b>	
<b>Quality Criteria For Class D</b>		<b>6.5-8.5</b>	<b>4 mg/l or more</b>	<b>-</b>	<b>-</b>

Upper Ganga Canal D/S Roorkee Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	16.0	7.8	8.8	2.6	300
Feb-14	16.0	7.64	8.2	2.2	280
Mar-14	19.0	7.57	8.4	2.4	220
Apr-14	18.0	7.64	7.2	2.8	170
May-14	20.0	7.68	7.6	2.4	170
Jun-14	20.0	7.69	7.2	2.2	220
Jul-14	20.0	8.09	7.2	2.4	350
Aug-14	22.0	7.15	7.6	1.8	110
Sep-14	21.0	7.58	7.8	2.0	90
Oct-14	15.0	7.91	7.8	1.6	80
Nov-14	15.0	7.91	7.8	1.6	80
Dec-14	13.5	7.64	8.4	1.2	80
<b>Average</b>	<b>17.95</b>	<b>7.69</b>	<b>7.83</b>	<b>2.1</b>	<b>179.16</b>
<b>Quality Criteria For Class B</b>		<b>6.5-8.5</b>	<b>5 mg/l or more</b>	<b>3 mg/l or less</b>	<b>500 MPN/100 ml or less</b>

River Ganga D/S Raiwala, Dehradun

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	14.0	7.89	6.2	11.0	>1600
Feb-14	16.0	7.82	7.0	10.0	>1600
Mar-14	19.0	7.6	6.4	12.0	>1600
Apr-14	21.0	7.47	7.2	9.2	>1600
May-14	25.0	7.5	6.8	8.0	>1600
Jun-14	23.0	7.71	6.2	4.4	>1600
Jul-14	21.0	7.93	7.0	1.8	220
Aug-14	22.0	7.92	7.6	2.4	350
Sep-14	23.0	7.68	7.0	2.8	500
Oct-14	23.0	7.65	7.2	3.6	>1600
Nov-14	18.0	7.69	7.0	1.6	350
Dec-14	15.0	8.7	7.0	1.4	350
<b>Average</b>	<b>20.0</b>	<b>7.79</b>	<b>6.8</b>	<b>5.6</b>	
<b>Quality Criteria For Class D</b>		<b>6.5-8.5</b>	<b>4 mg/l or more</b>	<b>-</b>	<b>-</b>

River Suswa D/S Mathurawala, Dehradun

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	17.0	7.42	2.8	32.0	>1600
Feb-14	17.0	7.57	2.6	40.0	>1600
Mar-14	22.0	7.45	2.2	44.0	>1600
Apr-14	25.0	7.55	3.0	40.0	>1600
May-14	28.0	7.72	1.8	48.0	>1600
Jun-14	27.0	7.64	2.0	38.0	>1600
Jul-14	26.0	7.69	5.8	9.0	>1600
Aug-14	25.0	7.67	6.0	16.0	>1600
Sep-14	25.0	7.61	4.0	24.0	>1600
Oct-14	23.0	7.59	2.2	26.0	>1600
Nov-14	18.0	7.58	1.0	40.0	>1600
Dec-14	15.0	7.58	2.4	40.0	>1600
<b>Average</b>	<b>22.33</b>	<b>7.58</b>	<b>2.98</b>	<b>33.08</b>	
<b>Quality Criteria For Class E</b>		<b>6.5-8.5</b>	<b>-</b>	<b>-</b>	<b>-</b>

River Yamuna U/S Yamnotri

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Apr-14	3.0	7.6	8.4	0.0	0.0
<b>Average</b>					
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Yamuna D/S Syanachati

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Apr-14	7.0	7.8	8.6	0.0	0.0
<b>Average</b>					
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Yamuna U/S Lakwar Dam Dehradun

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	13.0	8.21	8.6	1.8	2.0
Apr-14	18.0	8.31	4.2	1.2	0.0
Jul-14	21.0	8.01	7.0	0.8	0.0
Oct-14	20.0	8.14	8.4	1.4	0
<b>Average</b>	<b>17.33</b>	<b>8.17</b>	<b>6.6</b>	<b>1.26</b>	<b>0.66</b>
<b>Quality Criteria For Class A</b>		<b>6.5-8.5</b>	<b>6 mg/l or more</b>	<b>2mg/l or less</b>	<b>50 or less</b>

River Yamuna U/S Dakpathar Dehradun

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-14	14.0	8.5	8.0	2.2	11.0
Apr-14	17.0	8.7	8.4	1.4	17.0
Jul-14	21.0	8.12	6.6	1.2	0.0
Oct-14	18.0	8.29	8.0	1.4	0
<b>Average</b>	<b>17.33</b>	<b>8.08</b>	<b>7.66</b>	<b>1.6</b>	<b>9.33</b>
<b>Quality Criteria For Class B</b>		<b>6.5-8.5</b>	<b>5 mg/l or more</b>	<b>3 mg/l or less</b>	<b>500 MPN/100ml</b>

PRIMARY WATER QUALITY CRITERIA FOR DESIGNATED -  
BEST - USE - CLASSES

Classification	Category	Tolerance Limit
Drinking Water Source without conventional treatment but after disinfections	A	<ol style="list-style-type: none"> <li>1. Total Coliform Organism MPN/100 ml shall be 50 or less</li> <li>2. pH between 6.5 and 8.5</li> <li>3. Dissolved Oxygen 6mg/l or more</li> <li>4. Biochemical oxygen demand 5 days 20° C 2mg/l or less</li> </ol>
Outdoor Bathing (Organized )	B	<ol style="list-style-type: none"> <li>1. Total Coliforms Organism MPN/100 ml shall be 500 or less</li> <li>2. pH between 6.5 and 8.5</li> <li>3. Dissolved Oxygen 5mg/l or more</li> <li>4. Biochemical Oxygen Demand 5 days 20°C 3mg/l or less</li> </ol>
Drinking Water source after conventional treatment and disinfections	C	<ol style="list-style-type: none"> <li>1. Total Coliforms Organism MPN/100 ml shall be 5000 or less</li> <li>2. pH between 6.5 and 8.5</li> <li>3. Dissolved Oxygen 4mg/l or more</li> <li>4. Biochemical Oxygen Demand 5 days 20°C 3mg/l or less</li> </ol>
Propagation of Wild Life and Fisheries	D	<ol style="list-style-type: none"> <li>1. pH between 6.5 and 8.5</li> <li>2. Dissolved Oxygen 4mg/l or more</li> <li>3. Free Ammonia ( as N )1.2 mg/l or less</li> </ol>
Irrigation Industrial Cooling, Controlled waste disposal	E	<ol style="list-style-type: none"> <li>1. pH between 6.0 and 8.5</li> <li>2. Electrical Conductivity at 25°C micro mhos/cm Max. 2250</li> <li>3. Sodium absorption ratio Max. 26</li> <li>4. Boron Max. 2 mg/l</li> </ol>