

**WATER QUALITY STATUS OF WATER BODIES IN GARO HILLS MONITORED BY
MEGHALAYA STATE POLLUTION CONTROL BOARD**

Name of the monitoring station	Bugi River at Dalu				STATUS	
State	Meghalaya					
District	South Garo Hills					
Geographical Location	Latitude - 25°13'53.86"N					
	Longitude- 90°14'30.51"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.3	7.2	7.7		
Dissolved Oxygen mg/L	7.6	7.1	7.2	7.6		
BOD mg/L	2.0	2.0	2.0	1.5		
Total Coliform (MPN/100ml)	60	38	40	53		

The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meets the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.

Name of the monitoring station	Bugi River at Mebanpara				STATUS	
State	Meghalaya					
District	South Garo Hills					
Geographical Location	Latitude - 25°18'52.07"N					
	Longitude- 90°16'33.28"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.2	7.0	7.9		
Dissolved Oxygen mg/L	7.9	7.0	7.3	7.8		
BOD mg/L	1.9	2.2	1.9	1.4		
Total Coliform (MPN/100ml)	61	48	45	55		

The water quality is not meeting the criteria of Class 'A' with respect to Total Coliform

Name of the monitoring station	Damring River at Resubelpara				STATUS	
State	Meghalaya					
District	East Garo Hills					
Geographical Location	Latitude - 25°53'53.64"N					
	Longitude- 90°37'4.44"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.2	7.1	7.3		
Dissolved Oxygen mg/L	8.2	7.3	7.7	8.7		
BOD mg/L	1.3	1.9	1.4	1.0		
Total Coliform (MPN/100ml)	76	46	44	63		

The water quality indicates that the water is not meeting the criteria of Class 'A' with respect to Total Coliform

Name of the monitoring station	Manda River at Jampa				STATUS	
State	Meghalaya					
District	East Garo Hills					
Geographical Location	Latitude - 25°37'40.49"N Longitude- 90°41'36.21"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.4	7.3	7.3	6.9		
Dissolved Oxygen mg/L	7.7	7.5	7.8	8.4		
BOD mg/L	1.7	1.7	1.3	1.0		
Total Coliform (MPN/100ml)	43	30	35	38		

Name of the monitoring station	Manda River at Wagaisi				STATUS	
State	Meghalaya					
District	East Garo Hills					
Geographical Location	Latitude - 25°50'13.25"N Longitude- 90°46'59.42"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.2	7.2	7.2	7.5		
Dissolved Oxygen mg/L	7.1	6.9	7.4	7.8		
BOD mg/L	2.1	2.2	1.9	1.5		
Total Coliform (MPN/100ml)	44	33	31	39		

Name of the monitoring station	Simsang				STATUS	
State	Meghalaya					
District	East Garo Hills					
Geographical Location	Latitude - 25°30'19.82"N Longitude- 90°37'0.41"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.3	7.2	7.3	7.3		
Dissolved Oxygen mg/L	7.7	7.7	7.9	8.3		
BOD mg/L	1.7	1.9	1.7	1.3		
Total Coliform (MPN/100ml)	545	332	385	500		

Name of the monitoring station	Tasek Lake at Songsak				STATUS	
State	Meghalaya					
District	East Garo Hills					
Geographical Location	Latitude - 25°37'32.02"N Longitude- 90°39'22.77"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	Lake					
pH	7.8	7.4	7.3	7.4		
Dissolved Oxygen mg/L	7.6	7.1	7.9	8.6		
BOD mg/L	1.2	1.8	1.2	0.9		
Total Coliform (MPN/100ml)	20	22	35	28		

Name of the monitoring station	Ganol				STATUS	
State	Meghalaya					
District	West Garo Hills					
Geographical Location	Latitude - 25°34'49.91"N Longitude- 90°14'16.50"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.3	7.4	7.4	7.3		
Dissolved Oxygen mg/L	7.4	7.4	7.8	8.0		
BOD mg/L	2.4	2.2	1.9	1.7		
Total Coliform (MPN/100ml)	520	330	355	500		

**WATER QUALITY STATUS OF WATER BODIES IN WEST KHASI HILLS MONITORED BY
MEGHALAYA STATE POLLUTION CONTROL BOARD**

Name of the monitoring station	Kynshi River at Nongkhnum				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°26'57.95"N Longitude- 91°14'44.22"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.3	7.0	7.2	7.0		
Dissolved Oxygen mg/L	7.4	7.5	8.0	8.2		
BOD mg/L	1.7	1.3	1.2	1.4		
Total Coliform (MPN/100ml)	12	18	36	26		

Name of the monitoring station	Kynshi River at Ranikor				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°13'12.41"N					
	Longitude- 91°14'41.30"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	6.9	7.0	6.9		
Dissolved Oxygen mg/L	8.3	7.9	8.2	8.8		
BOD mg/L	2.5	2.0	1.1	0.9		
Total Coliform (MPN/100ml)	25	32	39	35		

Name of the monitoring station	Kynshi River at Sohiong				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°31'38.35"N					
	Longitude- 91°41'22.66"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.2	6.9	6.9	6.8		
Dissolved Oxygen mg/L	7.9	7.2	7.2	8.4		
BOD mg/L	1.4	1.1	1.5	1.2		
Total Coliform (MPN/100ml)	22	26	35	26		

Name of the monitoring station	Nanbah at Nongstoin				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°31'1.03"N					
	Longitude- 91°15'57.86"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.0	6.8	6.8		
Dissolved Oxygen mg/L	6	6.7	6.5	5.9		
BOD mg/L	3.1	2.2	2.5	3.1		
Total Coliform (MPN/100ml)	885	326	320	803		

Name of the monitoring station	Nanbah at Phodsohsat				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°31'30.82"N					
	Longitude- 91°16'51.50"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.3	7.2	7.0	6.9		
Dissolved Oxygen mg/L	7.7	7.1	7.0	8.5		
BOD mg/L	1.6	1.3	1.6	1.1		
Total Coliform (MPN/100ml)	20	15	32	30		

Name of the monitoring station	Rilang River at Mawkyrwat				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°22'55.88"N					
	Longitude- 91°24'8.47"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.1	7.0	7.0		
Dissolved Oxygen mg/L	7.9	7.7	8.0	8.5		
BOD mg/L	1.6	1.6	1.2	1.0		
Total Coliform (MPN/100ml)	29	20	30	28		

Name of the monitoring station	Wahblei at Riango				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°39'45.40"N					
	Longitude- 91° 5'11.21"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.1	7.2	7.1		
Dissolved Oxygen mg/L	7.6	7.2	8.1	8.3		
BOD mg/L	1.9	1.8	1.1	1.2		
Total Coliform (MPN/100ml)	24	15	29	27		

Name of the monitoring station	Wahblei at shaddkhar				STATUS	
State	Meghalaya					
District	West Khasi Hills					
Geographical Location	Latitude - 25°19'46.98"N Longitude- 91° 3'14.61"					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	6.9	7.3	7.4	6.9		
Dissolved Oxygen mg/L	7.3	7.6	8.1	7.8		
BOD mg/L	3.8	1.7	1.1	1.6		
Total Coliform (MPN/100ml)	35	21	31	31		

**WATER QUALITY STATUS OF WATER BODIES IN JAINTIA HILLS MONITORED BY
MEGHALAYA STATE POLLUTION CONTROL BOARD**

Name of the monitoring station	Myntang River at Mynso				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°33'43.58"N Longitude- 92°19'42.56"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.0	7.1	7.3		
Dissolved Oxygen mg/L	7.7	7.0	7.8	9.0		
BOD mg/L	1.7	2.1	1.5	1.0		
Total Coliform (MPN/100ml)	42	30	33	31		

Name of the monitoring station	Myntang River at Nartiang				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°33'34.62"N					
	Longitude- 92°11'0.79"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	6.9	7.0	7.1		
Dissolved Oxygen mg/L	7.2	6.8	8.0	8.5		
BOD mg/L	2.0	2.2	1.1	1.2		
Total Coliform (MPN/100ml)	49	37	29	44		

Name of the monitoring station	Myntdu River at Leshka				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°15'47.73"N					
	Longitude- 92°12'2.52"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	5.5	6.6	6.8	5.9		
Dissolved Oxygen mg/L	7.6	6.6	7.2	8.9		
BOD mg/L	1.7	2.2	1.4	1.0		
Total Coliform (MPN/100ml)	17	16	28	24		

Name of the monitoring station	Myntdu				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°27'7.38"N					
	Longitude- 92°11'28.27"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.0	6.6	7.0		
Dissolved Oxygen mg/L	6.6	7.0	7.3	7.1		
BOD mg/L	2.7	2.5	2.3	2.2		
Total Coliform (MPN/100ml)	3050	2540	2100	2733		

Name of the monitoring station	Lukha River at Sunapur				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25° 6'39.87"N					
	Longitude- 92°21'44.10"E					
Seasonal Sampling	Spring	Summer	Autumn	Winter		
Type of water body	River					
pH	6.4	6.9	5.6	5.6	The water quality indicate that the water is slightly acidic and is not meeting the criteria of A, B, C, D, E Class with respect to pH.	
Dissolved Oxygen mg/L	7.1	7.6	7.9	8.2		
BOD mg/L	2.9	2.2	1.4	1.9		
Total Coliform (MPN/100ml)	575	213	285	470		

Name of the monitoring station	Lukha River at Myndihati				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°17'38.85"N					
	Longitude- 92°23'35.85"E					
Seasonal Sampling	Spring	Summer	Autumn	Winter		
Type of water body	River					
pH	2.3	2.7	2.7	2.5	<i>The water quality indicate that the water is highly acidic and is not meeting the criteria of A, B, C, D, E Class with respect to pH.</i>	
Dissolved Oxygen mg/L	5.8	6.9	8.1	6.8		
BOD mg/L	4.7	2.8	1.7	3.8		
Total Coliform (MPN/100ml)	15	7	8	11		

Name of the monitoring station	Thadlaskein				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°29'53.57"N					
	Longitude- 92°10'23.04"E					
Seasonal Sampling	Spring	Summer	Autumn	Winter		
Type of water body	Lake					
pH	7.2	7.1	6.8	6.9		
Dissolved Oxygen mg/L	6.6	6.7	7.6	8.0		
BOD mg/L	2.3	2.2	1.6	1.4		
Total Coliform (MPN/100ml)	74	64	39	46		

Name of the monitoring station	Kyrhukhla				STATUS	
State	Meghalaya					
District	Jaintia Hills District					
Geographical Location	Latitude - 25°22'15.85"N					
	Longitude- 92°20'2.90"E					
Seasonal Sampling	Spring	Summer	Autumn	Winter		
Type of water body	River					
pH	2.9	3.1	3.0	2.6	The water quality indicate that the water is highly acidic and is not meeting the criteria of A, B, C, D, E Class with respect to pH.	
Dissolved Oxygen mg/L	4.2	5.6	6.6	5.4		
BOD mg/L	7.25	6.44	5.8	7.8		
Total Coliform (MPN/100ml)	42	25	36	36		

WATER QUALITY STATUS OF WATER BODIES IN RI-BHOI MONITORED BY MEGHALAYA STATE POLLUTION CONTROL BOARD

Name of the monitoring station	Umtrew River at Umran				STATUS	
State	Meghalaya					
District	Ri-Bhoi District					
Geographical Location	Latitude - 25°46'14.90"N					
	Longitude- 91°52'30.00"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	6.9	7.2	7.1	7.0	The water indicates that the water is not meeting the criteria of Class 'A' with respect to Total Coliform	
Dissolved Oxygen mg/L	7.3	6.9	8.2	8.3		
BOD mg/L	2.4	2.4	1.0	1.7		
Total Coliform (MPN/100ml)	81	99	64	62		

Name of the monitoring station	Umiam Lake middle point				STATUS	
State	Meghalaya					
District	Ri-Bhoi District					
Geographical Location	Latitude - 25°39'29.71"N					
	Longitude- 91°53'18.90"E					
Geographical Location	Latitude -					
	Longitude-					
Seasonal Sampling	Spring	Summer	Autumn	Winter		
Type of water body	Lake					
pH	7.1	7.2	7.1	7.2		
Dissolved Oxygen mg/L	6.7	7.3	6.6	6.8		
BOD mg/L	6.3	7.4	8.5	7.6		
Total Coliform (MPN/100ml)	4100	3240	2550	4000		

Name of the monitoring station	Umtrew				STATUS	
State	Meghalaya					
District	Ri-Bhoi District					
Geographical Location	Latitude - 26° 2'32.33"N					
	Longitude- 91°52'2.30"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.2	7.1	7.2		
Dissolved Oxygen mg/L	6.9	7.1	8.1	8.8		
BOD mg/L	6.4	7.3	6.7	5.7		
Total Coliform (MPN/100ml)	625	360	350	450		

Name of the monitoring station	Umiam (Tunnel)				STATUS	
State	Meghalaya					
District	Ri-Bhoi District					
Geographical Location	Latitude - 25°40'24.96"N					
	Longitude- 91°53'32.89"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	Lake					
pH	7.1	7.2	7.0	7.1		
Dissolved Oxygen mg/L	7.2	6.9	6.6	6.6		
BOD mg/L	6.3	7.7	8.6	8.6		
Total Coliform (MPN/100ml)	4600	3620	2900	4233		

Name of the monitoring station	Umiam Lake at outfall of umiam river				STATUS	
State	Meghalaya					
District	Ri-Bhoi District					
Geographical Location	Latitude - 25°37'52.81"N					
	Longitude- 91°51'37.47"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	Lake					
pH	7.1	7.2	7.0	7.1		
Dissolved Oxygen mg/L	5.1	5.6	5.9	6.0		
BOD mg/L	8.8	9.2	9.2	8.5		
Total Coliform (MPN/100ml)	4950	4300	3600	4900		

Name of the monitoring station	Umiam Lake near United Christian College				STATUS	
State	Meghalaya					
District	Ri-Bhoi District					
Geographical Location	Latitude - 25°38'45.25"N					
	Longitude- 91°51'58.41"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	Lake					
pH	7.4	7.4	7.1	7.2		
Dissolved Oxygen mg/L	7.2	7.3	6.9	6.9		
BOD mg/L	5.8	7.2	8.0	7.4		
Total Coliform (MPN/100ml)	3100	2740	2450	3167		

**WATER QUALITY STATUS OF WATER BODIES IN EAST KHASI HILLS MONITORED BY
MEGHALAYA STATE POLLUTION CONTROL BOARD**

Name of the monitoring station	Umiam Mawphlang at Mawphlang				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude 25°27'21.65"N					
	Longitude- 91°46'21.18"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.2	7.3	7.2	7.1		
Dissolved Oxygen mg/L	8.0	7.8	7.9	8.3		
BOD mg/L	1.8	1.5	1.3	1.2		
Total Coliform (MPN/100ml)	36	28	34	29		

Name of the monitoring station	Umiam Mawphlang at Shella				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude - 25°10'48.57"N					
	Longitude- 91°38'11.09"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.2	7.1	7.1	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>	
Dissolved Oxygen mg/L	7.0	7.8	7.6	8.1		
BOD mg/L	1.7	1.5	1.5	1.4		
Total Coliform (MPN/100ml)	56	27	24	74		

Name of the monitoring station	Umngot river at Dawki				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude - 25°11'10.59"N					
	Longitude- 92° 1'0.89"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.2	7.0	6.9	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>	
Dissolved Oxygen mg/L	8.5	8.2	7.6	9.1		
BOD mg/L	1.4	1.2	1.5	0.9		
Total Coliform (MPN/100ml)	61	30	57	52		

Name of the monitoring station	Umngot river at Smit				STATUS
State	Meghalaya				
District	East Khasi Hills				
Geographical Location	Latitude - 25°30'50.67"N Longitude- 91°53'52.44"E				
Seasonal Sampling	Spring	summer	Autumn	Winter	
Type of water body	River				
pH	6.9	7.1	6.9	6.8	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>
Dissolved Oxygen mg/L	8.3	7.3	7.6	9.2	
BOD mg/L	1.5	1.5	1.4	0.9	
Total Coliform (MPN/100ml)	51	38	38	41	

Name of the monitoring station	Umiam Mawphlang at Umtyngngar				STATUS
State	Meghalaya				
District	East Khasi Hills				
Geographical Location	Latitude - 25°27'57.98"N Longitude- 91°49'30.68"E				
Seasonal Sampling	Spring	summer	Autumn	Winter	
Type of water body	River				
pH	7.1	7.2	7.1	7.2	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>
Dissolved Oxygen mg/L	8.2	7.2	8.1	8.7	
BOD mg/L	1.8	2.0	1.2	1.3	
Total Coliform (MPN/100ml)	49	41	55	44	

Name of the monitoring station	Umkhen at Wahkdait				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude - 25°32'32.93"N					
	Longitude- 91°54'32.70"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.1	7.1	7.1	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>	
Dissolved Oxygen mg/L	7.1	6.8	6.9	8.1		
BOD mg/L	1.4	1.8	1.8	1.1		
Total Coliform (MPN/100ml)	52	35	35	45		

Name of the monitoring station	Umshyri River at Risa Colony				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude - 25°33'49.47"N					
	Longitude- 91°53'39.92"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.1	7.1	7.2	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>	
Dissolved Oxygen mg/L	6.1	6.0	7.6	7.9		
BOD mg/L	2.4	2.3	1.2	1.4		
Total Coliform (MPN/100ml)	47	34	37	38		

Name of the monitoring station	Umiam Mawphlang at Nongkrem				STATUS
State	Meghalaya				
District	East Khasi Hills				
Geographical Location	Latitude - 25°30'31.84"N Longitude- 91°53'12.91"E				
Seasonal Sampling	Spring	summer	Autumn	Winter	
Type of water body	River				
pH	6.9	6.9	6.8	6.9	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>
Dissolved Oxygen mg/L	7.9	7.0	7.3	8.2	
BOD mg/L	2.1	2.0	1.7	1.6	
Total Coliform (MPN/100ml)	59	45	51	47	

Name of the monitoring station	Umkhen river at Diengpasoh				STATUS
State	Meghalaya				
District	East Khasi Hills				
Geographical Location	Latitude - 25°35'31.31"N Longitude- 92° 3'15.85"E				
Seasonal Sampling	Spring	summer	Autumn	Winter	
Type of water body	River				
pH	7.0	7.1	7.1	7.1	<i>The water quality with respect to pH, Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform Count meet the Water Quality Criteria for 'A' class indicating that the water can be used as drinking water source without conventional treatment but after disinfection.</i>
Dissolved Oxygen mg/L	8	7.0	7.9	8.9	
BOD mg/L	1.5	1.7	1.2	1.1	
Total Coliform (MPN/100ml)	51	45	41	36	

Name of the monitoring station	Umkhen at Ksehpongdeng				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude- 25°33'33.74"N					
	Longitude- 92° 2'12.51"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	6.9	7.2	7.1	6.9		
Dissolved Oxygen mg/L	9.3	7.5	7.2	9.4		
BOD mg/L	0.8	1.5	1.5	0.7		
Total Coliform (MPN/100ml)	39	35	23	28		

Name of the monitoring station	Ward's Lake				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude- 25°34'28.94"N					
	Longitude- 91°53'14.65"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	Lake					
pH	7.3	7.1	7.4	7.0		
Dissolved Oxygen mg/L	8.7	6.7	7.9	7.9		
BOD mg/L	6.3	7.5	6.0	7.6		
Total Coliform (MPN/100ml)	4100	3400	3100	4067		

Name of the monitoring station	Umkhrah at Mawlai Slaugter				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude- 25°35'23.76"N					
	Longitude- 91°52'51.95"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.3	7.1	7.2	6.9		
Dissolved Oxygen mg/L	1.0	2.8	4.8	2.4		
BOD mg/L	56.5	27.5	12.7	49.6		
Total Coliform (MPN/100ml)	101×10^3	60×10^3	26×10^3	64×10^3		

Name of the monitoring station	Umkhrah River at Demthring				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude- 25°33'30.24"N					
	Longitude- 91°54'28.28"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.1	7.2	6.9		
Dissolved Oxygen mg/L	3.3	3.8	5.0	3.4		
BOD mg/L	16.7	16.3	12.2	21.2		
Total Coliform (MPN/100ml)	31 x10 ³	21 x10 ³	11 x10 ³	28 x10 ³		

Name of the monitoring station	Umkhrah River at Mawpdang, Mawlai				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude- 25°35'12.26"N					
	Longitude- 91°52'19.44"					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.1	7.0	7.3	6.9		
Dissolved Oxygen mg/L	1.8	2.8	3.0	1.9		
BOD mg/L	50.0	25.2	24.4	57.3		
Total Coliform (MPN/100ml)	135x10 ³	78 x10 ³	57 x10 ³	91 x10 ³		

Name of the monitoring station	Umkhrah River at Umkaliar				STATUS	
State	Meghalaya					
District	East Khasi Hills					
Geographical Location	Latitude- 25°34'48.24"N					
	Longitude- 91°54'27.74"E					
Seasonal Sampling	Spring	summer	Autumn	Winter		
Type of water body	River					
pH	7.0	7.1	7.1	6.9		
Dissolved Oxygen mg/L	4.3	4.2	6.3	5.6		
BOD mg/L	13.2	16.4	10.1	13.9		
Total Coliform (MPN/100ml)	17x10 ³	16 x10 ³	11 x10 ³	17 x10 ³		

Name of the monitoring station	Umshyri at Law College				STATUS
State	Meghalaya				
District	East Khasi Hills				
Geographical Location	Latitude- 25°33'58.09"N Longitude- 91°53'20.12"E				
Seasonal Sampling	Spring	summer	Autumn	Winter	
Type of water body	River				
pH	7.1	7.0	7.2	6.9	<i>The water indicates that the water is not meeting the criteria of Class 'A' Class 'B' and Class "C" with respect to Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform</i>
Dissolved Oxygen mg/L	0.2	2.9	2.4	0.9	
BOD mg/L	57.5	37.0	29.0	63.0	
Total Coliform (MPN/100ml)	140 x10 ³	72 x10 ³	39 x10 ³	98 x10 ³	

Name of the monitoring station	Umshyri River at Umshyri Bridge				STATUS
State	Meghalaya				
District	East Khasi Hills				
Geographical Location	Latitude- 25°34'16.28"N Longitude- 91°52'15.09"				
Seasonal Sampling	Spring	summer	Autumn	Winter	
Type of water body	River				
pH	7.1	7.2	7.3	6.9	<i>The water indicates that the water is not meeting the criteria of Class 'A' Class 'B' and Class "C" with respect to Dissolved Oxygen, Biochemical Oxygen Demand and Total Coliform</i>
Dissolved Oxygen mg/L	1.6	5.1	5.7	2.5	
BOD mg/L	29	13.8	10.4	40.2	
Total Coliform (MPN/100ml)	92 x10 ³	32 x10 ³	11 x10 ³	59 x10 ³	