

**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	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.
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	

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

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

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

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

**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 Nongkhnun				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	<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		7.4	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	<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	7.9	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	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.
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	The water quality indicates that the water is not meeting the criteria of Class 'A' with respect to Total Coliform and Biochemical Oxygen Demand
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	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.
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	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.
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	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.
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	<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	7.3	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	<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	7.7	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	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.
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	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	7.6	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	The water indicates that the water is not meeting the criteria of Class ‘ A’ and ‘B” with respect to Total Coliform
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	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	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	The water indicates that the water is not meeting the criteria of Class ‘ A ’ with respect to Total Coliform
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	The water indicates that the water is not meeting the criteria of Class ‘ A’ and Class ‘B” and Class “C” with respect to Biochemical Oxygen Demand and Total Coliform
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	The water indicates that the water is not meeting the criteria of Class ‘ A’ and, Class ‘B” with respect to Biochemical Oxygen Demand and Total Coliform
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	The water indicates that the water is not meeting the criteria of Class ‘ A’ Class ‘B” and Class “C” with respect to Biochemical Oxygen Demand and Total Coliform
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	<i>The water indicates that the water is not meeting the criteria of Class ‘ A’ Class ‘B” and Class “C” with respect to Biochemical Oxygen Demand and Total Coliform</i>
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	The water indicates that the water is not meeting the criteria of Class ‘ A’ ,Class ‘B” and Class “C” with respect to Biochemical Oxygen Demand and Total Coliform
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	<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	8.0	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	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.
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	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.
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	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.
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	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.
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	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.
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	Umshyrpi 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	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.
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	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.
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	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.
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	Umken at Ksehpongden				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	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.
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	The water indicates that the water is not meeting the criteria of Class ‘ A ’ Class ‘B” and Class “C” with respect to Biochemical Oxygen Demand and Total Coliform
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 Slaughter				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	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
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 x10 ³	60 x10 ³	26 x10 ³	64 x10 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	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
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	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.
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	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
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	Umshyrpi 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	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
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	Umshyrpi River at Umshyrpi 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	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
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	