STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :BARAK
3 Site : AP Ghat
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis of Last 2003 to 2009 Data						Last year average 2009		Remark
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	208	171	74	127	0	54	69	147	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.50	8.50	7.22	7.68	6.30	6.85	7.03	7.55	
TDS	mg/L	400	320	205	163	40	68	46	100	
Temperature	deg C	31.7	32.6	26.7	21.8	23.0	18.0	26.0	20.7	
Turbidity	NTU	28.90	6.70	205.00	2.94	1.30	0.20	-	-	
CHEMICAL										
Calcium	mg/L	27.52	39.90	12.54	21.40	0.29	6.28	12.90	14.98	
Chloride	mg/L	16.00	21.08	9.80	11.29	3.02	2.01	8.50	12.78	
Carbonate	mg/L	0.30	2.40	0.03	0.48	0.00	0.00	0.00	1.33	
Bi-carbonate	mg/L	67.99	111.83	35.35	61.68	9.52	41.48	41.48	61.25	
Potassium	mg/L	1.84	4.25	1.06	1.64	0.40	0.60	1.12	4.22	
Magnesium	mg/L	9.29	40.52	5.26	7.87	0.11	0.40	4.65	7.25	
Sodium	mg/L	4.90	8.15	3.65	5.18	0.90	2.80	3.86	7.39	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	0.00	-	-	0.00	0.00	-	-	
Total hardness (as CaCO3/L)	no.	72.63	98.00	51.34	57.98	30.04	34.00	51.34	67.27	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Barak
3 Site : Badarpurghat
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

MID, Shillong

Water Quality Data

Parameter	Unit	Analysis of Last 2003 to 2009 Data						Last year average		Remark
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	130	231	73	142	36	22	82	164	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.45	7.90	7.13	7.35	6.50	6.54	6.68	7.47	
TDS	mg/L	460	320	190	185	39	59	56	111	
Temperature	deg C	31.6	32.6	25.9	20.7	23.0	16.0	23.0	19.2	
Turbidity	NTU	12.40	8.80	189.87	4.07	1.20	0.10	-	-	
CHEMICAL										
Calcium	mg/L	32.68	32.00	13.52	15.84	3.93	5.50	12.04	15.60	
Chloride	mg/L	17.00	21.08	10.36	13.57	3.52	6.04	9.00	10.02	
Carbonate	mg/L	7.20	2.40	0.66	0.45	0.00	0.00	0.00	1.25	
Bi-carbonate	mg/L	244.00	99.43	60.03	62.03	21.96	29.28	45.14	63.87	
Potassium	mg/L	1.89	5.42	1.17	1.87	0.04	1.00	0.97	4.99	
Magnesium	mg/L	10.32	14.52	4.65	6.33	1.03	0.42	3.61	4.58	
Sodium	mg/L	10.57	10.92	4.06	5.74	1.10	2.60	7.13	9.27	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/	mg/L	0.00	26.00	-	26.00	0.00	26.00	-	-	
Total hardness (as CaCO	no.	59.85	60.00	44.95	49.77	30.04	36.00	44.95	57.84	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Umngot Tributary, Meghna Basin
3 Site : Dawki
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis of Last 2003 to 2009 Data						Last year average 2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	72	120	30	50	2	22	28	48	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		7.48	7.20	6.76	6.88	6.49	6.50	6.58	7.13	
TDS	mg/L	400	320	158	122	11	23	16	33	
Temperature	deg C	31.6	32.8	17.5	17.3	23.0	13.0	20.8	22.9	
Turbidity	NTU	8.60	6.00	157.50	1.77	0.30	0.10	-	-	
CHEMICAL										
Calcium	mg/L	18.08	24.00	11.06	12.86	5.16	4.72	11.18	15.35	
Chloride	mg/L	15.42	28.74	10.00	10.13	4.03	1.82	7.50	8.27	
Carbonate	mg/L	0.01	0.28	0.00	0.03	0.00	0.00	0.00	0.02	
Bi-carbonate	mg/L	78.08	113.99	32.78	43.24	19.52	24.40	23.18	31.06	
Potassium	mg/L	1.20	1.25	0.31	0.57	0.04	0.10	0.14	1.01	
Magnesium	mg/L	6.38	15.48	4.57	5.24	1.16	0.30	3.10	2.31	
Sodium	mg/L	2.95	3.00	0.90	1.30	0.47	0.60	0.76	1.72	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	12.00	-	12.00	0.00	12.00	-	-	
Total hardness (as CaCO3/L)	no.	42.77	78.40	40.68	42.72	38.58	20.00	40.68	47.89	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Rukni Tributary of Barak River
3 Site : Dholai
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis of Last 2003 to 2009 Data						Last year average		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	140.000	267.960	86.392	186.178	42.900	100.200	104.650	141.700	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.450	8.100	7.266	7.550	6.530	6.650	7.030	7.100	
TDS	mg/L	300.000	320.000	152.733	185.583	54.000	67.000	70.000	95.000	
Temperature	deg C	31.600	32.600	27.082	20.530	23.000	15.000	26.900	20.950	
Turbidity	NTU	23.900	9.100	152.733	3.263	0.000	0.200	-	-	
CHEMICAL										
Calcium	mg/L	27.520	36.920	14.084	20.880	7.070	8.600	12.040	22.760	
Chloride	mg/L	15.000	24.920	9.946	10.478	4.530	3.660	6.500	8.525	
Carbonate	mg/L	7.200	2.400	0.690	0.392	0.000	0.000	0.000	0.085	
Bi-carbonate	mg/L	71.610	167.530	46.691	82.499	19.520	31.720	64.650	40.770	
Potassium	mg/L	2.190	6.500	1.327	1.805	0.110	0.800	1.150	3.830	
Magnesium	mg/L	14.450	14.520	6.939	6.202	1.060	0.390	8.770	5.430	
Sodium	mg/L	6.500	9.200	4.145	5.767	1.200	2.800	4.495	6.670	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.000	38.000	-	38.000	0.000	38.000	-	-	
Total hardness (as CaCO3/L)	no.	76.820	120.000	57.645	66.065	38.470	38.470	57.645	79.235	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

Basin: Meghna Basin (Assam)
River :Bugi (or Bhogai)
Site : Dimapara
Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	170	174	69	119	17	80	83	122	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		7.90	8.00	7.05	6.85	6.50	1.25	6.89	7.27	
TDS	mg/L	300	320	155	133	26	70	56	82	
Temperature	deg C	31.7	32.6	21.8	18.2	23.0	8.0	20.5	18.3	
Turbidity	NTU	9.30	5.10	154.53	2.39	2.20	0.10	-	-	
CHEMICAL										
Calcium	mg/L	25.80	36.80	13.34	18.62	5.50	7.86	12.04	22.35	
Chloride	mg/L	28.79	24.92	11.71	10.05	5.03	2.01	8.00	8.03	
Carbonate	mg/L	0.04	0.30	0.01	0.07	0.00	0.00	0.00	0.02	
Bi-carbonate	mg/L	70.76	107.63	46.29	51.60	28.28	21.96	42.70	39.04	
Potassium	mg/L	2.20	1.79	0.74	0.96	0.02	0.20	0.60	1.68	
Magnesium	mg/L	11.35	13.42	6.26	4.98	2.00	0.50	7.74	4.41	
Sodium	mg/L	2.60	3.40	1.52	2.32	0.70	1.00	1.68	2.81	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	40.00	-	40.00	0.00	40.00	-	-	
Total hardness (as CaCO3/L)	no.	81.12	98.00	61.92	64.23	42.71	44.35	61.92	73.99	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Longai
3 Site : Fakirabazar
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	110	195	55	127	17	63	49	151	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.00	8.40	7.03	7.47	6.38	6.50	6.46	7.16	
TDS	mg/L	400	320	166	177	25	42	33	117	
Temperature	deg C	31.7	32.7	25.9	22.1	23.0	17.0	25.0	22.2	
Turbidity	NTU	14.50	34.60	166.00	8.99	1.20	2.00	-	-	
CHEMICAL										
Calcium	mg/L	25.80	54.99	12.43	14.47	0.77	0.52	14.62	35.24	
Chloride	mg/L	16.00	38.34	8.42	14.48	0.37	0.34	9.50	13.78	
Carbonate	mg/L	0.04	2.10	0.01	0.24	0.00	0.00	0.00	0.03	
Bi-carbonate	mg/L	92.72	92.70	36.23	47.31	0.76	0.56	36.60	33.15	
Potassium	mg/L	1.91	8.54	1.09	2.02	0.07	0.02	0.99	6.81	
Magnesium	mg/L	10.32	15.19	4.22	4.21	0.09	0.34	2.58	10.18	
Sodium	mg/L	3.34	16.50	2.21	5.05	0.90	0.14	2.73	13.79	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	39.20	-	34.60	0.00	30.00	-	-	
Total hardness (as CaCO3/L)	no.	59.96	200.00	47.15	79.43	34.34	36.00	47.15	129.96	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Barak
3 Site : Fulertal
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	160	158	74	123	36	100	69	123	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.42	7.82	7.22	7.38	6.52	6.58	7.08	7.27	
TDS	mg/L	400	320	186	140	37	71	47	83	
Temperature	deg C	32.0	30.6	28.2	22.8	23.0	19.0	27.8	22.5	
Turbidity	NTU	21.00	7.40	186.20	2.38	1.10	0.10	-	-	
CHEMICAL										
Calcium	mg/L	30.96	33.60	12.03	16.62	3.93	4.72	10.32	16.31	
Chloride	mg/L	19.00	23.00	10.63	9.49	4.03	0.97	7.50	5.27	
Carbonate	mg/L	12.00	2.40	1.11	0.32	0.00	0.00	0.00	1.23	
Bi-carbonate	mg/L	73.20	91.42	42.65	59.22	19.52	35.93	39.04	47.25	
Potassium	mg/L	2.11	4.99	1.03	1.59	0.02	0.50	1.07	4.56	
Magnesium	mg/L	11.22	16.51	5.61	6.19	1.55	0.10	4.13	6.03	
Sodium	mg/L	5.70	7.98	3.16	5.07	0.70	3.00	3.92	7.05	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	24.00	-	24.00	0.00	24.00	-	-	
Total hardness (as CaCO3/L)	no.	47.07	84.00	42.77	54.15	38.47	34.36	42.77	65.57	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Gumra
3 Site : Gumra
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	130	85	42	66	17	33	37	75	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.42	8.20	6.97	7.05	6.09	6.55	6.25	6.89	
TDS	mg/L	340	320	151	124	20	28	25	51	
Temperature	deg C	31.7	32.6	25.8	22.4	23.0	19.0	23.5	20.2	
Turbidity	NTU	5.20	6.70	150.53	3.00	0.70	0.70	-	-	
CHEMICAL										
Calcium	mg/L	20.64	25.80	10.64	10.88	4.72	4.72	12.04	11.84	
Chloride	mg/L	18.00	50.34	9.80	13.81	4.03	1.04	8.50	9.78	
Carbonate	mg/L	0.04	1.20	0.00	0.13	0.00	0.00	0.00	0.01	
Bi-carbonate	mg/L	43.89	101.97	27.40	43.51	12.20	19.98	21.96	23.41	
Potassium	mg/L	1.40	2.61	0.48	0.98	0.02	0.20	0.56	2.56	
Magnesium	mg/L	8.26	14.45	4.75	5.10	0.05	0.40	5.16	3.83	
Sodium	mg/L	2.80	5.10	1.75	3.47	1.30	1.70	2.05	4.63	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	12.00	-	12.00	0.00	12.00	-	-	
Total hardness (as CaCO3/L)	no.	68.45	48.00	51.31	36.01	34.17	18.00	51.31	45.39	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Myntudu
3 Site : Kharkhana
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	190	258	65	130	17	50	79	224	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		7.60	7.40	5.97	5.98	3.78	3.85	4.03	5.35	
TDS	mg/L	300	320	146	112	13	30	53	151	
Temperature	deg C	31.6	32.8	23.5	18.9	23.0	15.0	24.0	19.7	
Turbidity	NTU	4.30	2.10	146.33	1.04	0.30	0.10	-	-	
CHEMICAL										
Calcium	mg/L	15.48	25.80	11.00	12.66	4.72	3.93	12.90	15.52	
Chloride	mg/L	26.73	38.34	12.26	12.50	4.55	3.02	16.50	10.53	
Carbonate	mg/L	0.01	6.00	0.00	0.42	0.00	0.00	0.00	3.00	
Bi-carbonate	mg/L	85.40	83.57	34.89	36.90	14.64	13.67	19.52	42.71	
Potassium	mg/L	1.40	9.50	0.35	1.16	0.05	0.10	0.13	5.20	
Magnesium	mg/L	7.22	12.38	4.27	4.74	1.50	1.34	3.10	6.11	
Sodium	mg/L	2.80	19.47	0.68	2.52	0.20	0.30	0.50	10.28	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	14.00	-	14.00	0.00	14.00	-	-	
Total hardness (as CaCO3/L)	no.	55.67	98.00	44.98	51.76	34.28	24.00	44.98	63.92	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Katakhal (tributary of Barak river)
3 Site : Matijuri
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	130	268	90	154	43	11	114	134	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.24	8.30	7.26	7.49	6.50	6.61	7.24	7.18	
TDS	mg/L	400	320	190	179	31	60	77	90	
Temperature	deg C	31.6	32.6	27.0	23.6	23.0	16.0	27.3	22.7	
Turbidity	NTU	21.30	20.40	189.60	4.88	1.10	0.10	-	-	
CHEMICAL										
Calcium	mg/L	32.68	65.80	14.82	20.53	3.93	6.88	13.76	11.30	
Chloride	mg/L	13.00	19.88	9.49	10.04	4.53	0.97	8.00	7.03	
Carbonate	mg/L	7.20	2.40	0.90	0.36	0.00	0.00	0.00	0.08	
Bi-carbonate	mg/L	87.84	139.48	56.87	68.77	31.72	39.04	67.10	43.43	
Potassium	mg/L	3.56	6.61	1.47	2.08	0.10	1.00	1.83	4.55	
Magnesium	mg/L	13.42	15.48	7.16	5.61	1.07	0.70	10.32	5.61	
Sodium	mg/L	6.50	9.50	4.51	5.78	1.10	2.40	5.61	6.63	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	52.00	-	52.00	0.00	52.00	-	-	
Total hardness (as CaCO3/L)	no.	93.90	60.00	76.82	53.55	59.73	42.64	76.82	51.32	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Dareng
3 Site : Sibbari
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average,2009		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	86	109	48	79	20	68	47	80	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.50	7.90	7.06	7.16	6.20	6.68	6.62	6.81	
TDS	mg/L	400	320	180	134	27	46	32	54	
Temperature	deg C	31.7	32.6	26.7	21.8	23.0	18.0	28.0	21.2	
Turbidity	NTU	11.10	10.30	179.67	3.71	1.00	0.30	-	-	
CHEMICAL										
Calcium	mg/L	17.20	30.40	10.32	9.51	0.77	0.41	10.32	10.21	
Chloride	mg/L	25.00	24.92	10.23	7.70	0.39	0.09	7.50	8.28	
Carbonate	mg/L	0.02	0.60	0.01	0.11	0.00	0.00	-	0.01	
Bi-carbonate	mg/L	217.20	92.70	50.28	33.22	0.56	0.49	25.62	31.08	
Potassium	mg/L	1.10	2.80	0.51	0.89	0.01	0.01	0.56	2.40	
Magnesium	mg/L	9.33	19.60	4.14	4.33	0.06	0.03	4.13	3.86	
Sodium	mg/L	2.80	4.79	1.49	2.12	0.90	0.08	1.80	3.94	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	78.40	-	54.20	0.00	30.00	-	-	
Total hardness (as CaCO3/L)	no.	51.25	88.00	42.77	58.26	34.28	42.77	42.77	65.39	
SAR(-)		-	-	-	-	-	-	-	-	

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Meghna Basin (Assam)
2 River :Umsohrynkiew
3 Site : Theriaghat
4 Name & Location of Laboratory : Level II Laboratory , MBD Division, CWC, Guwahati
5 Type of Staion, Parameter and frequency of monitoring : Baseline Station , 24 parameters, Once in three month

Water Quality Data

Parameter	Unit	Analysis data from 2003 to 2009						Last year average		Remarks
		Maximum Observed		Average		Minimum Observed				
		Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	Monsoon	Non Monsoon	
PHYSICAL										
Colour		Silty	Silty/Clear	Silty	Clear	Silty	Clear	Silty	Clear	
Electrical Conductance	µmhos/cm	189	97	58	60	9	30	30	64	
Odour		Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	Odourless	
pH		8.40	8.30	7.30	7.27	6.45	5.90	6.87	7.11	
TDS	mg/L	400	320	168	102	14	26	20	43	
Temperature	deg C	31.6	32.7	22.9	18.4	23.0	12.0	19.5	20.2	
Turbidity	NTU	2.50	4.10	168.27	1.48	0.10	0.10	-	-	
CHEMICAL										
Calcium	mg/L	15.48	30.96	10.29	13.02	6.28	6.29	8.60	16.38	
Chloride	mg/L	16.45	23.00	9.32	9.59	5.03	3.65	7.50	8.27	
Carbonate	mg/L	0.08	0.30	0.01	0.07	0.00	0.00	0.00	0.02	
Bi-carbonate	mg/L	48.80	117.00	29.46	41.50	12.20	17.97	24.40	26.63	
Potassium	mg/L	1.60	20.90	0.34	2.17	0.07	0.10	0.15	0.68	
Magnesium	mg/L	7.22	10.32	4.03	3.42	0.07	0.09	6.19	4.11	
Sodium	mg/L	3.00	3.00	0.99	1.28	0.34	0.30	0.44	1.01	
Sulphate	mg/L	-	-	-	-	-	-	-	-	
Ammonical nitrogen	mg/L	-	-	-	-	-	-	-	-	
Nitrite+Nitrate	mg/L	-	-	-	-	-	-	-	-	
Phosphate	mg/L	-	-	-	-	-	-	-	-	
BOD	mg/L	-	-	-	-	-	-	-	-	
COD	mg/L	-	-	-	-	-	-	-	-	
Iron	mg/L	-	-	-	-	-	-	-	-	
Boron	mg/L	-	-	-	-	-	-	-	-	
Flouride	mg/L	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	0.0-0.05	
CHEMICAL INDICES										
Hardness-Ca (as CaCO3/L)	mg/L	0.00	18.00	-	18.00	0.00	18.00	-	-	
Total hardness (as CaCO3/L)	no.	51.19	60.00	46.95	38.33	42.71	26.00	46.95	57.84	
SAR(-)		-	-	-	-	-	-	-	-	