

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Brahmaputra

3 Site : Pancharatna

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Staion, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2000-2010						Last Year Average		Remarks
		Maximum Observed		Average		Minimum Observed		2009		
		Monsoon	Nonmonsoon	Monsoon	Nonmonsoon	Monsoon	Nonmonsoon	Monsoon	Nonmonsoon	
PHYSICAL										
Temp.	°C	26.4	21.3	24.9	18.3	23.2	18.4	22.5	15	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.9	7.9	7.5	7.6	7.3	7.2	7.4	7.9	
EC	µmho/cm	146	154	118	167	118	135	111	168	
TDS	mg/l	235	200	199	179	212	156	75	113	
Turbidity	NTU	5.23	3.8	3.64	3.32	2.2	2.27	-	-	
CHEMICAL										
D.O	mg/l	7.73	6.18	5.78	5.75	5.4	4.82	N.A	8.3	
Carbonate	mg/l	2.14	4.41	3.15	3.72	0.6	1.97	0	0	
Bi- Carbonate	mg/l	73.87	93.28	55.33	77.57	55.55	50.32	63.46	81.75	
Chloride	mg/l	12.01	12.12	10.01	11.76	14.57	7.81	7.5	11	
Calcium	mg/l	25.98	24.41	19.11	22.04	20.25	16.3	14.62	23.22	
Magnesium	mg/l	11.22	9.65	7.31	7.84	8.78	3.46	8.77	7.74	
Sodium	mg/l	3.37	3.23	2.88	3.28	3.27	2.87	2.3	4.52	
Potassium	mg/l	2.13	1.67	1.59	1.47	1.35	1.03	0.96	0.84	
Sulphate	mg/l	2.09	1.82	1.53	1.44	1.23	0.98	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.18	0.37	0.13	0.18	0.16	0.09	-	-	
Phosphate	mg/l	0.42	0.45	0.26	0.22	0.17	0.13	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		99.23	97.07	73.81	87.17	83.03	59.1	72.61	89.87	
SAR		0.18	0.15	0.14	0.16	0.16	0.12	0.13	0.13	
							OL- odour less	CL:- Colour less		

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Brahmaputra

3 Site : Pandu

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data form 2003-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	26.1	23.1	24.7	18.8	22.0	15.3	24.5	18.8	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.65	7.33	7.51	7.64	7.85	7.46	7.51	7.95	
EC	µmho/cm	116	79	98	158	175	132	118	156	
TDS	mg/l	178.43	138.43	158.43	175.95	214.01	131.43	79.51	104.51	
Turbidity	NTU	8.73	2.45	4.65	3.89	4.95	2.87	-	-	
CHEMICAL										
D.O	mg/l	7.27	7.27	7.08	6.81	6.97	6.27	7.81	7.71	\
Carbonate	mg/l	0.28	0.11	0.15	0.61	1.11	1.13	N.D	N.D	
Bi- Carbonate	mg/l	66.34	44.69	54.92	78.15	93.11	66.26	61.01	90.28	
Chloride	mg/l	12.72	6.63	9.46	11.94	14.66	9.21	7.51	13.01	
Calcium	mg/l	22.49	13.21	18.32	22.96	29.12	18.23	91.62	160.75	
Magnessium	mg/l	6.41	2.22	4.41	5.84	8.38	3.29	5.68	7.74	
Sodium	mg/l	2.63	1.13	1.91	3.89	4.21	3.15	2.29	4.74	
Potassium	mg/l	2.23	0.85	1.55	1.67	2.17	1.31	1.04	0.68	
Sulphate	mg/l	2.28	1.07	1.68	1.64	2.27	1.13	-	-	
Boron	mg/l	N.D	N.D	N.D	N.D	N.D	N.D	-	-	
Iron	mg/l	0.48	0.16	0.35	0.47	0.61	0.25	-	-	
Phosphate	mg/l	0.54	0.29	0.47	0.43	0.54	0.21	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		77.05	55.06	64.72	81.51	103.06	60.79	78.93	87.71	
SAR		0.16	0.06	0.11	0.19	0.21	0.15	0.12	0.22	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Brahmaputra

3 Site : Sonapur

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2000-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	27.4	20.8	25.7	17.6	22.6	14.9	26.5	17.0	
Colour		C.L	C.L	C.L	C.L	C.L	C.L	C.L	C.L	
Odour		O.L	O.L	O.L	O.L	O.L	O.L	O.L	O.L	
pH		7.44	7.52	7.05	7.11	6.72	6.73	6.70	7.28	
EC	µmho/cm	80	101	46	67	25	38	60	60	
TDS	mg/l	181	203	152	158	122	118	40	84	
Turbidity	NTU	6.35	5.98	4.68	3.82	3.48	3.50	-	-	
CHEMICAL										
D.O	mg/l	4.60	6.30	5.10	5.60	3.70	5.10	7.20	7.70	
Carbonate	mg/l	0.20	0.35	0.09	0.19	0.02	0.08	0.00	0.00	
Bi- Carbonate	mg/l	68.33	64.42	41.87	40.49	25.10	22.57	37.80	39.04	
Chloride	mg/l	13.18	16.27	10.38	11.99	7.81	8.21	10.50	10.50	
Calcium	mg/l	23.48	31.61	16.38	15.39	9.50	8.50	12.90	12.04	
Magnesium	mg/l	8.01	9.77	4.81	5.40	3.10	2.31	3.10	4.65	
Sodium	mg/l	3.81	3.52	2.75	3.01	1.88	2.45	4.30	3.49	
Potassium	mg/l	2.71	1.45	1.69	1.16	0.73	0.90	1.40	0.06	
Sulphate	mg/l	1.93	1.48	1.28	1.06	0.55	0.58	-	-	
Boron	mg/l	N.D	N.D	N.D	N.D	N.D	N.D	-	-	
Iron	mg/l	0.34	0.62	0.27	0.52	0.17	0.38	-	-	
Phosphate	mg/l	0.55	0.48	0.47	0.34	0.54	0.14	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		84.31	94.38	58.18	58.34	39.51	33.38	45.00	49.19	
SAR		0.24	0.23	0.17	0.20	0.11	0.16	0.30	0.22	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Kulsi

3 Site : Kulsi

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2000-2010						Last Year Average 2009		Remark
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	26.4	21.3	25.0	18.3	23.2	15.4	27.5	23.0	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.9	7.9	7.5	7.6	7.3	7.2	6.5	7.5	
EC	µmho/cm	64	55	50	48	16	31	23	56	
TDS	mg/l	235	200	199	179	212	157	160	220	
Turbidity	NTU	6.52	3.86	4.49	2.79	2.76	1.70	-	-	
CHEMICAL										
D.O	mg/l	-	-	-	-	-	-	-	-	
Carbonate	mg/l	-	-	-	-	-	-	-	-	
Bi- Carbonate	mg/l	73.87	93.28	55.33	77.57	55.55	50.32	23.00	37.00	
Chloride	mg/l	12.01	12.12	10.01	11.76	14.57	7.81	9.00	11.00	
Calcium	mg/l	25.98	24.41	19.11	22.04	20.25	16.30	8.60	1.00	
Magnesium	mg/l	11.22	9.65	7.31	7.84	8.78	3.46	3.61	5.00	
Sodium	mg/l	1.66	3.14	2.96	2.90	1.10	2.53	7.32	3.69	
Potassium	mg/l	1.21	0.96	0.84	0.84	0.45	0.72	0.59	0.10	
Sulphate	mg/l	2.23	1.36	1.55	1.08	0.86	0.79	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.78	0.87	0.45	0.55	0.26	0.36	-	-	
Phosphate	mg/l	0.70	0.39	0.42	0.96	0.29	0.18	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		88.21	97.07	73.81	87.17	83.03	59.10	36.35	44.89	
SAR		0.15	0.15	0.11	0.16	0.07	0.16	0.13	0.22	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Dudhnai

3 Site : Dudhnai

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2000-2010						Last Year Average 2009		Remark
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	26.4	21.3	25.0	18.3	23.2	15.4	24.5	14.0	
Colour		C.L	C.L	C.L	C.L	C.L	C.L	C.L	C.L	
Odour		O.L	O.L	O.L	O.L	O.L	O.L	O.L	O.L	
pH		7.91	7.85	7.53	7.61	7.33	7.15	6.92	7.81	
EC	µmho/cm	101	144	69	103	42	54	45	71	
TDS	mg/l	235	200	199	179	212	157	31	48	
Turbidity	NTU	13.03	4.93	8.25	3.85	3.4	2.88	-	-	
CHEMICAL										
D.O	mg/l	6.08	6.84	5.36	6.13	4.50	5.51	7.9	8.5	
Carbonate	mg/l	0.16	1.29	0.08	0.68	0.02	0.09	0.00	0.00	
Bi- Carbonate	mg/l	73.87	93.28	55.23	77.57	48.60	50.32	35.38	54.90	
Chloride	mg/l	12.01	12.12	10.01	11.76	14.57	7.81	7.00	10.00	
Calcium	mg/l	25.99	24.41	19.12	22.04	17.73	16.30	10.32	11.18	
Magnessium	mg/l	11.22	9.65	7.32	7.84	8.78	3.46	4.13	4.13	
Sodium	mg/l	2.56	4.00	2.8	3.36	1.78	3.57	3.09	3.97	
Potassium	mg/l	1.55	1.24	1.18	0.99	0.56	0.76	0.94	0.09	
Sulphate	mg/l	1.63	1.40	1.09	1.12	0.57	0.73	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.22	0.49	0.20	0.37	0.13	0.25	-	-	
Phosphate	mg/l	0.43	0.35	0.36	0.27	0.18	0.15	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		99.23	97.07	73.81	87.17	83.03	59.10	42.77	44.92	
SAR		0.17	0.24	0.14	0.21	0.09	0.17	0.21	0.26	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Pagladia

3 Site : Pagladia

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

[Water Quality Data](#)

Parameter	Unit	Analysis of Data from 2003-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	29.9	23.7	28.6	20.7	26.9	16.7	29.0	17.5	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.70	8.10	7.40	7.90	7.20	7.80	7.53	7.97	
EC	µmho/cm	217	241	165	236	112	157	200	248	
TDS	mg/l	228	210	185	189	140	170	134	167	
Turbidity	NTU	8.08	3.38	4.78	2.08	1.60	1.23	-	-	
CHEMICAL										
D.O	mg/l	-	-	-	-	-	-	-	-	
Carbonate	mg/l	2.29	1.95	3.39	1.62	0.10	0.30	0.00	0.00	
Bi- Carbonate	mg/l	110.44	138.06	91.73	110.73	63.06	86.66	118.34	143.96	
Chloride	mg/l	13.67	12.21	10.24	9.64	7.41	7.00	9.00	9.00	
Calcium	mg/l	29.86	29.94	24.60	31.27	14.92	23.61	30.10	32.68	
Magnessium	mg/l	9.40	14.74	7.53	8.40	4.63	3.50	9.29	7.22	
Sodium	mg/l	5.16	5.55	6.91	4.82	1.59	4.12	19.60	5.83	
Potassium	mg/l	1.58	1.84	1.26	1.54	0.93	1.29	0.87	0.04	
Sulphate	mg/l	2.57	1.85	1.75	1.47	1.31	1.07	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.45	0.62	0.31	0.44	0.13	0.25	-	-	
Phosphate	mg/l	0.54	0.36	0.45	0.30	0.35	0.23	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		102.97	151.08	90.08	112.78	71.86	74.70	113.43	111.39	
SAR		0.22	0.24	0.15	0.21	0.08	0.19	0.19	0.24	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Puthimari

3 Site : DRF

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

[Water Quality Data](#)

Parameter	Unit	Analysis of Data from 2003-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	29.5	22.3	28	19.4	26.3	14.1	28.9	16.6	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.60	7.81	7.26	7.50	6.98	7.14	6.56	7.25	
EC	µmho/cm	197	230	163	179	131	157	301	218	
TDS	mg/l	219	226	196	192	175	157	202	146	
Turbidity	NTU	9.93	4.15	6.01	2.79	2.68	1.95	-	-	
CHEMICAL										
D.O	mg/l	-	-	-	-	-	-	-	-	
Carbonate	mg/l	0.26	0.99	0.18	0.81	0.06	0.10	0.00	0.00	
Bi- Carbonate	mg/l	83.71	114.08	71.84	89.47	58.94	64.30	166.00	104.04	
Chloride	mg/l	14.06	13.72	10.81	11.35	7.26	7.99	19.00	15.00	
Calcium	mg/l	29.77	34.15	21.01	26.75	13.74	17.73	24.08	32.68	
Magnessium	mg/l	9.73	11.68	7.57	7.98	4.34	3.32	14.45	8.26	
Sodium	mg/l	8.17	4.01	3.49	3.28	6.05	2.38	9.54	5.74	
Potassium	mg/l	6.19	1.41	3.53	1.23	0.90	1.17	14.13	8.61	
Sulphate	mg/l	1.88	1.93	1.20	1.33	0.70	1.07	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.40	0.53	0.28	0.42	0.15	0.26	-	-	
Phosphate	mg/l	0.46	0.45	0.36	0.35	0.24	0.24	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		103.88	124.55	79.70	99.54	67.52	68.87	119.58	115.63	
SAR		0.31	0.42	0.28	0.24	0.25	0.09	0.95	0.23	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Puthimari

3 Site : Puthimari

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Staion, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2003-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	29.9	24.7	28.7	22.7	26.9	20.0	29.0	21.5	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.74	8.08	7.53	7.86	7.30	7.68	7.60	8.07	
EC	µmho/cm	224	298	181	227	142	288	190	228	
TDS	mg/l	267	257	226	224	186	197	127	153	
Turbidity	NTU	8.90	3.70	5.78	2.64	3.08	1.63	-	*	
CHEMICAL										
D.O	mg/l	-	-	-	-	-	-	-	-	
Carbonate	mg/l	4.38	4.13	4.36	2.78	0.20	0.30	0.00	0.00	
Bi- Carbonate	mg/l	103.01	148.48	88.31	103.98	71.82	63.36	101.00	123.00	
Chloride	mg/l	16.12	15.16	12.37	11.86	8.51	8.65	9.00	12.00	
Calcium	mg/l	27.42	38.42	24.54	31.23	17.26	21.63	24.08	30.10	
Magnessium	mg/l	10.48	14.22	8.13	9.42	4.46	3.90	12.09	11.87	
Sodium	mg/l	3.14	4.20	2.44	3.61	1.64	2.89	3.15	3.94	
Potassium	mg/l	1.98	1.72	1.55	1.37	1.10	1.03	1.01	0.02	
Sulphate	mg/l	2.82	2.10	1.97	1.98	1.17	1.05	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.41	0.63	0.33	0.44	0.20	0.20	-	-	
Phosphate	mg/l	0.65	0.41	0.51	0.32	0.32	0.21	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		106.15	155.03	93.67	116.75	73.51	70.23	113.22	123.78	
SAR		0.15	0.19	0.12	0.17	0.07	0.13	0.13	0.16	

OL- Odour less

CL:- Colour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Kalanadi

3 Site : Matunga

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2003-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-	
		Monsoon	Non-	Monsoon	Non-	Monsoon	Non-			
			Monsoon		Monsoon		Monsoon		Monsoon	
PHYSICAL										
Temp.	°C	22.3	18.8	21.1	17.3	20.0	15.7	19.0	16	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.94	8.23	7.72	8.03	7.46	7.81	8.14	8.10	
EC	µmho/cm	223	278	199	283	177	241	173	335	
TDS	mg/l	336	286	285	256	303	224	116	225	
Turbidity	NTU	3.30	6.54	1.98	4.38	0.63	2.43	-	-	
CHEMICAL										
D.O	mg/l	-	-	-	-	-	-	-	-	
Carbonate	mg/l	1.13	2.77	1.40	2.04	0.31	0.41	0.00	0.00	
Bi- Carbonate	mg/l	118.20	133.26	88.52	110.82	97.21	71.88	97.60	148.84	
Chloride	mg/l	19.22	17.31	16.02	16.80	25.50	11.16	8.78	15.48	
Calcium	mg/l	41.58	34.88	30.59	31.49	35.45	23.29	27.52	39.56	
Magnessium	mg/l	17.95	13.78	11.69	11.19	17.55	4.94	8.78	15.48	
Sodium	mg/l	22.44	13.78	14.62	11.19	17.55	6.92	3.57	6.99	
Potassium	mg/l	1.53	1.52	1.07	1.29	0.63	1.33	0.72	0.07	
Sulphate	mg/l	3.08	2.40	2.04	1.47	0.62	0.55	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.40	0.67	0.27	0.49	0.13	0.30	-	-	
Phosphate	mg/l	0.59	0.41	0.48	0.31	0.32	0.19	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		158.77	138.67	118.10	124.53	145.3	84.42	104.85	162.52	
SAR		0.19	0.29	0.13	0.22	0.07	0.17	0.15	0.24	

CL:- Colour less OL:- Odour less

STATEWISE/BASINWISE INFORMATION ON WATER QUALITY

1 Basin: Brahmaputra & Barak Basin

2 River :Suklai

3 Site : Suklai

4 Name & Location of Laboratory : Level-II Divisional Laboratory, M.B. Division, CWC, Guwahati

5 Type of Station, Parameter and frequency of monitoring : Baseline Station ,23parameters, Quarterly

Water Quality Data

Parameter	Unit	Analysis of Data from 2005-2010						Last Year Average 2009		Remarks
		Maximum Observed		Average		Minimum Observed		Monsoon	Non-Monsoon	
		Monsoon	Non-Monsoon	Monsoon	Non-Monsoon	Monsoon	Non-Monsoon			
PHYSICAL										
Temp.	°C	29.9	23.6	27.9	19.7	25.8	15.5	29.2	22.4	
Colour		CL	CL	CL	CL	CL	CL	CL	CL	
Odour		OL	OL	OL	OL	OL	OL	OL	OL	
pH		7.74	7.92	7.48	7.77	7.24	7.58	7.27	7.62	
EC	µmho/cm	224	259	288	199	154	177	173	209	
TDS	mg/l	155	213	237	182	118	150	116	140	
Turbidity	NTU	6.75	4.98	5.30	3.66	3.85	2.63	-	-	
CHEMICAL										
D.O	mg/l	-	-	-	-	-	-	-	-	
Carbonate	mg/l	0.39	1.96	0.38	1.09	0.18	0.10	0.00	0.00	
Bi- Carbonate	mg/l	125.67	127.18	99.69	83.49	60.75	64.25	70.76	126.88	
Chloride	mg/l	16.30	13.08	10.53	10.26	6.75	7.50	7.50	7.50	
Calcium	mg/l	37.45	31.30	28.00	24.59	18.26	16.07	29.24	23.22	
Magnesium	mg/l	8.00	14.06	6.34	8.89	2.42	4.35	4.13	13.94	
Sodium	mg/l	4.57	4.11	3.48	3.77	2.48	3.51	4.05	4.65	
Potassium	mg/l	1.90	1.38	1.36	1.24	0.84	1.18	0.94	0.04	
Sulphate	mg/l	3.10	1.93	2.28	1.54	1.60	1.15	-	-	
Boron	mg/l	-	-	-	-	-	-	-	-	
Iron	mg/l	0.78	0.73	0.57	0.70	0.40	0.67	-	-	
Phosphate	mg/l	0.55	0.36	0.38	0.31	0.14	0.25	-	-	
Fluoride	mg/l	-	-	-	-	-	-	-	-	
Nitrate	mg/l	-	-	-	-	-	-	-	-	
CHEMICAL INDICES										
Hardness No.		95.76	129.24	87.58	96.1	63.44	58.98	90.07	115.31	
SAR		0.19	0.22	0.15	0.19	0.11	0.14	0.19	0.19	

CL:- Colour less

OL:- Odour less