

*Water Quality at different locations of Lower Lake: Jan -2022 (Field Parameters) (Units in mg/liter)											
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)
1	Banganga (L/1)	Surface	31.01.22	2.35 pm	27.0	21.0	7.6	12.0	2.0	0.89	541
2	Dhobighat (L/2)	Surface	31.01.22	1.15 pm	25.0	22.5	7.6	6.0	5.6	0.66	404
		Bottom			0.0	18.6	7.3	10.0	3.6	0.67	410
3	Near Retgahat (L/3)	Surface	31.01.22	1.25 pm	25.6	22.6	7.8	8.0	4.8	0.67	408
		Bottom			0.0	19.0	7.5	12.0	3.2	0.68	416
4	MLB College (L/4)	Surface	02.02.22	12.45 pm	24.8	22.3	7.6	4.0	5.6	0.66	404
		Bottom			0.0	19.6	7.4	6.0	2.0	0.68	415
5	Bhoipura (L/5)	Surface	02.02.22	1.0 pm	24.9	22.5	8.3	Abs	8.0	0.66	403
		Bottom			0.0	20.3	7.5	6.0	3.2	0.68	413
6	Jehangirabad (L/6)	Surface	02.02.22	1.30 pm	25.2	22.7	8.2	Abs	8.8	0.64	390
		Bottom			0.0	20.5	7.4	4.0	4.0	0.66	404
7	Khatlapura (L/7)	Surface	02.02.22	2:00 PM	25.4	23.0	8.1	Abs	8.4	0.66	403
		Bottom			0.0	21.4	7.5	4.0	3.6	0.69	418
8	MVM College (L/8)	Surface	31.01.22	2.10 pm	27.2	21.2	8.0	Abs	7.2	0.67	406
		Bottom			0.0	19.2	7.5	6.0	2.4	0.68	414
9	Boat House (L/9)	Surface	31.01.22	2.30 pm	27.3	20.0	7.9	Abs	6.4	0.71	435
		Bottom			0.0	19.2	7.6	8.0	3.2	0.74	450
10	A (Deeper Zones)	Surface	31.01.22	1.30 pm	26.0	20.0	7.8	6.0	6.0	0.64	390
		Middle			0.0	18.7	7.6	10.0	3.6	0.67	410
		Bottom			0	18.0	7.4	12.0	1.6	0.68	416
11	B (Deeper Zones)	Surface	31.01.22	1.45 pm	26.5	20.1	7.7	8.0	6.4	0.66	405
		Middle			0.0	19.6	7.5	10.0	4.8	0.67	408
		Bottom			0.0	19.0	7.4	12.0	3.2	0.68	415
12	C (Deeper Zones)	Surface	31.01.22	2.0 pm	27.0	20.4	8.0	6.0	6.0	0.69	419
		Middle			0.0	19.3	7.6	8.0	2.4	0.70	425
		Bottom			0.0	19.1	7.5	10.0	2.0	0.70	430
13	D (Deeper Zones)	Surface	02.02.22	1.45 pm	25.3	22.8	8.5	Abs	8.8	0.65	396
		Middle			0.0	21.7	7.6	4.0	4.8	0.67	411
		Bottom			0	21.0	7.3	6.0	2.4	0.69	422
14	E (Deeper Zones)	Surface	02.02.22	1.15 pm	25.1	22.7	8.4	Abs	8.0	0.65	394
		Middle			0.0	20.3	7.6	6.0	5.2	0.66	405
		Bottom			0.0	20.0	7.4	10.0	3.2	0.67	410
				Min	0.0	18.0	7.3	4.0	1.6	0.64	390.0
				Max	27.3	23.0	8.5	12.0	8.8	0.89	541.0
				Mean	11.5	20.6	7.7	7.8	4.7	0.69	418.3
Sample collected by					Sample analyzed by				Report prepared by		

Table-3 Water quality at different locations of Lower Lake Jan - 2022 (Laboratory Analysis) (Units in mg/liter)

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	170	abs	170	180	117.6	62.4	49.4	15.2	51.95	16	48
2	Dhobighat (L/2)	Surface	140	abs	140	172	113.4	58.6	47.6	14.2	29.97	10	32
		Bottom	150	abs	150	186	121.8	64.2	51.2	15.6	34.97	14	40
3	Near Retgahat (L/3)	Surface	126	abs	126	142	119.7	22.3	50.3	5.4	28.97	12	36
		Bottom	146	abs	146	168	123.9	44.1	52.0	10.7	32.97	16	44
4	MLB College (L/4)	Surface	146	6	140	176	113.4	62.6	47.6	15.2	30.97	8	28
		Bottom	150	abs	150	184	123.9	60.1	52.0	14.6	34.97	12	40
5	Bhoipura (L/5)	Surface	132	6	126	152	115.5	36.5	48.5	8.9	31.97	6.4	36
		Bottom	138	abs	138	162	119.7	42.3	50.3	10.3	37.96	10	52
6	Jehangirabad (L/6)	Surface	156	8	148	136	111.3	24.7	46.7	6.0	32.97	6.8	28
		Bottom	162	abs	162	138	115.5	22.5	48.5	5.5	37.96	12	36
7	Khatlapura (L/7)	Surface	126	6	120	160	117.6	42.4	49.4	10.3	29.97	6.8	40
		Bottom	136	abs	136	170	123.9	46.1	52.0	11.2	33.97	10	48
8	MVM College (L/8)	Surface	144	4	140	168	117.6	50.4	49.4	12.2	30.97	6.4	32
		Bottom	150	abs	150	172	119.7	52.3	50.3	12.7	35.96	10	44
9	Boat House (L/9)	Surface	146	6	140	168	126.0	42.0	52.9	10.2	34.97	8	28
		Bottom	154	abs	154	174	130.2	43.8	54.7	10.6	40.96	12	40
10	A (Deeper Zones)	Surface	120	abs	120	164	126.0	38.0	52.9	9.2	29.97	8	36
		Middle	128	abs	128	170	132.3	37.7	55.6	9.2	35.96	10	44
		Bottom	138	abs	138	174	136.5	37.5	57.3	9.1	38.96	12	52
11	B (Deeper Zones)	Surface	134	abs	134	152	100.8	51.2	42.3	12.4	30.97	8	28
		Middle	142	abs	142	158	111.3	46.7	46.7	11.3	32.97	10	36
		Bottom	150	abs	150	164	117.6	46.4	49.4	11.3	36.96	10	44
12	C (Deeper Zones)	Surface	138	6	132	152	132.3	19.7	55.6	4.8	31.97	10	28
		Middle	146	abs	146	156	138.6	17.4	58.2	4.2	34.97	12	40
		Bottom	156	abs	156	166	142.8	23.2	60.0	5.6	38.96	14	48
13	D (Deeper Zones)	Surface	140	abs	140	166	119.7	46.3	50.3	11.3	31.97	7.2	28
		Middle	150	4	146	170	123.9	46.1	52.0	11.2	35.96	8	40
		Bottom	154	6	148	178	130.2	47.8	54.7	11.6	37.96	12	52
14	E (Deeper Zones)	Surface	142	abs	142	160	113.4	46.6	47.6	11.3	32.97	7.2	32
		Middle	148	4	144	170	119.7	50.3	50.3	12.2	36.96	10	40
		Bottom	158	6	152	180	128.1	51.9	53.8	12.6	39.96	14	48
	Min		120	4	120	136	100.8	35.2	42.3	8.6	28.97	6.4	28
	Max		170	8	170	186	142.8	43.2	60.0	10.5	51.948	16	52
	Mean		144.29	5.69	138.6018	165.00	0.0	165.0	0.0	40.1	35.32	10.33	39.06
Sample collected by				Sample analyzed by						Report prepared by			

***Water Quality at different locations of Lower Lake: April -2022 (Field Parameters) (Units in mg/liter)**

S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)	
1	Banganga (L/1)	Surface	07.04.22	1.50 pm	40.0	32.0	7.6	12.0	0.8	0.54	332	
2	Dhobighat (L/2)	Surface	07.04.22	12.15 pm	38.0	31.0	8.5	Abs	10.0	0.59	360	
		Bottom				29.0	7.4	6.0	2.8	0.60	366	
3	Near Retgahat (L/3)	Surface	07.04.22	12.25 pm	38.0	31.1	8.3	Abs	9.6	0.56	342	
		Bottom				0.0	28.5	7.5	4.0	3.6	0.58	355
4	MLB College (L/4)	Surface	07.04.22	12.40 pm	38.2	31.3	8.4	Abs	10.4	0.58	353	
		Bottom				0.0	28.6	7.3	8.0	2.0	0.59	360
5	Bhoipura (L/5)	Surface	08.04.22	12.30 pm	39.1	34.0	8.3	Abs	9.2	0.54	327	
		Bottom				0.0	32.4	7.4	6.0	3.2	0.56	342
6	Jehangirabad (L/6)	Surface	08.04.22	1.25 pm	39.7	34.5	8.4	Abs	9.6	0.56	340	
		Bottom				0.0	30.7	7.5	8.0	4.4	0.60	364
7	Khatlapura (L/7)	Surface	08.04.22	1.45 pm	40.0	34.6	8.8	Abs	8.4	0.55	337	
		Bottom				0.0	30.8	7.4	6.0	3.6	0.58	356
8	MVM College (L/8)	Surface	07.04.22	1.20 pm	38.7	31.7	8.3	Abs	8.8	0.57	347	
		Bottom				0.0	28.6	7.3	10.0	4.4	0.58	356
9	Boat House (L/9)	Surface	07.04.22	1.35 pm	38.8	31.8	8.4	Abs	9.6	0.55	337	
		Bottom				0.0	28.7	7.5	6.0	4.0	0.57	349
10	A (Deeper Zones)	Surface	07.04.22	12.50 pm	38.4	31.5	8.5	Abs	9.2	0.55	336	
		Middle				0.0	28.7	7.6	4.0	5.2	0.57	345
		Bottom				0	28.5	7.5	6.0	3.2	0.59	360
11	B (Deeper Zones)	Surface	07.04.22	1.10 pm	38.6	31.6	8.4	Abs	10.0	0.57	347	
		Middle				0.0	28.8	7.5	6.0	4.8	0.57	350
		Bottom				0.0	28.6	7.4	8.0	3.6	0.60	365
12	C (Deeper Zones)	Surface	08.04.22	12.45 pm	39.2	34.2	8.5	Abs	9.2	0.54	332	
		Middle				0.0	32.5	7.5	4.0	5.6	0.56	340
		Bottom				0.0	30.4	7.3	8.0	4.0	0.57	347
13	D (Deeper Zones)	Surface	08.04.22	1.0 pm	39.4	34.3	8.7	Abs	10.0	0.56	340	
		Middle				0.0	32.5	7.5	8.0	5.2	0.57	348
		Bottom				0	30.1	7.4	10.0	3.6	0.59	357
14	E (Deeper Zones)	Surface	08.04.22	1.15 pm	39.5	34.4	8.5	Abs	9.6	0.55	337	
		Middle				0.0	32.6	7.4	6.0	6.0	0.56	343
		Bottom				0.0	30.2	7.3	8.0	4.4	0.58	354
				Min	0.0	28.5	7.3	4.0	0.8	0.54	327.0	
				Max	40.0	34.6	8.8	12.0	10.4	0.60	366.0	
				Mean	17.7	31.2	7.9	7.1	6.2	0.57	347.6	
Sample collected by					Sample analyzed by				Report prepared by			

Water quality at different locations of Lower Lake April - 2022 (Laboratory Analysis) (Units in mg/liter)													
S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	116	abs	116	130	86.1	43.9	36.2	10.7	42.96	14	44
2	Dhobighat (L/2)	Surface	110	16	94	110	75.6	34.4	31.8	8.4	39.96	6	36
		Bottom	114	abs	114	116	77.7	38.3	32.6	9.3	43.96	14	48
3	Near Retgahat (L/3)	Surface	90	12	78	114	86.1	27.9	36.2	10.7	42.96	6.4	44
		Bottom	94	abs	94	118	75.6	42.4	31.8	8.4	44.96	16	52
4	MLB College (L/4)	Surface	88	8	80	102	77.7	24.3	32.6	9.3	36.96	6.4	40
		Bottom	92	abs	92	110	73.5	36.5	30.9	6.8	42.96	12	48
5	Bhoipura (L/5)	Surface	106	18	88	122	75.6	46.4	31.8	10.3	38.96	5.6	44
		Bottom	110	abs	110	128	75.6	52.4	31.8	5.9	44.96	18	48
6	Jehangirabad (L/6)	Surface	102	16	86	124	79.8	44.2	33.5	8.9	38.96	5.6	36
		Bottom	106	abs	106	126	73.5	52.5	30.9	11.3	42.96	10	44
7	Khatlapura (L/7)	Surface	90	20	70	112	77.7	34.3	32.6	12.7	50.95	6.4	40
		Bottom	102	abs	102	116	65.1	50.9	27.3	10.7	52.95	12	52
8	MVM College (L/8)	Surface	94	18	76	108	71.4	36.6	30.0	12.8	37.96	6	44
		Bottom	106	abs	106	114	67.2	46.8	28.2	8.3	41.96	14	56
9	Boat House (L/9)	Surface	92	14	78	110	73.5	36.5	30.9	12.4	43.96	5.6	32
		Bottom	100	abs	100	118	65.1	52.9	27.3	8.9	45.95	14	48
10	A (Deeper Zones)	Surface	92	20	72	110	73.5	36.5	30.9	11.4	36.96	6	36
		Middle	96	abs	96	116	69.3	46.7	29.1	8.9	40.96	10	44
		Bottom	104	abs	104	124	77.7	46.3	32.6	12.9	44.96	14	52
11	B (Deeper Zones)	Surface	90	18	72	112	67.2	44.8	28.2	8.9	39.96	6	32
		Middle	94	abs	94	118	73.5	44.5	30.9	11.3	42.96	10	40
		Bottom	100	abs	100	126	77.7	48.3	32.6	11.3	46.95	12	48
12	C (Deeper Zones)	Surface	94	22	72	108	69.3	38.7	29.1	10.9	37.96	6.4	40
		Middle	104	abs	104	114	75.6	38.4	31.8	10.8	41.96	10	48
		Bottom	106	abs	106	120	77.7	42.3	32.6	11.7	43.96	14	56
13	D (Deeper Zones)	Surface	96	20	76	110	65.1	44.9	27.3	9.4	40.96	6	36
		Middle	102	abs	102	118	71.4	46.6	30.0	9.3	42.96	8	44
		Bottom	108	abs	108	122	75.6	46.4	31.8	10.3	45.95	12	56
14	E (Deeper Zones)	Surface	92	24	68	112	67.2	44.8	28.2	10.9	39.96	6.8	40
		Middle	98	abs	98	120	75.6	44.4	31.8	11.3	43.96	10	44
		Bottom	104	abs	104	124	77.7	46.3	32.6	11.3	45.95	14	52
	Min		88	8	68	102	65.1	24.3	27.34	5.90	36.96	5.6	32
	Max		116	24	116	130	86.1	52.9	36.16	12.85	52.95	18	56
	Mean		99.88	17.20	92.65	116.59	74.18	42.30	31.16	10.14	42.96	10.02	44.47
Sample collected by				Sample analyzed by						Report prepared by			

*Water Quality at different locations of Lower Lake: May -2022 (Field Parameters) (Units in mg/liter)												
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)	
1	Banganga (L/1)	Surface	24.05.22	12.40 pm	35.7	29.1	7.5	14.0	4.4	0.63	385	
2	Dhobighat (L/2)	Surface	24.05.22	10.45 am	35.0	28.0	8.4	Abs	9.2	0.57	350	
		Bottom				27.5	7.3	10.0	4.8	0.65	395	
3	Near Retgahat (L/3)	Surface	24.05.22	11.0 am	35.2	28.1	8.5	Abs	8.8	0.60	365	
		Bottom				0.0	27.6	7.5	8.0	4.4	0.64	390
4	MLB College (L/4)	Surface	24.05.22	11.20 am	35.3	28.2	8.2	Abs	8.4	0.61	371	
		Bottom				0.0	27.7	7.3	6.0	4.8	0.63	385
5	Bhoipura (L/5)	Surface	25.05.22	11.40 am	36.1	28.8	8.3	Abs	8.8	0.61	370	
		Bottom				0.0	27.9	7.4	8.0	4.0	0.64	390
6	Jehangirabad (L/6)	Surface	25.05.22	1.0 pm	36.6	29.5	8.4	Abs	9.2	0.61	371	
		Bottom				0.0	28.3	7.5	6.0	4.4	0.63	385
7	Khatlapura (L/7)	Surface	25.05.22	1.20 pm	36.7	29.7	8.3	Abs	8.8	0.61	373	
		Bottom				0.0	28.5	7.4	8.0	5.2	0.64	393
8	MVM College (L/8)	Surface	24.05.22	12.15 pm	35.6	29.0	8.4	Abs	8.8	0.61	375	
		Bottom				0.0	28.3	7.4	10.0	4.8	0.64	390
9	Boat House (L/9)	Surface	24.05.22	12.30 pm	35.7	28.8	8.3	Abs	8.0	0.61	373	
		Bottom				0.0	28.0	7.5	8.0	5.6	0.62	380
10	A (Deeper Zones)	Surface	24.05.22	11.40 am	35.4	28.3	8.2	Abs	8.8	0.61	371	
		Middle				0.0	27.8	7.8	Abs	7.6	0.61	374
		Bottom				0	27.6	7.4	8.0	5.2	0.62	376
11	B (Deeper Zones)	Surface	24.05.22	12.0 pm	35.5	28.5	8.3	Abs	9.6	0.61	372	
		Middle				0.0	27.9	7.7	Abs	8.0	0.61	375
		Bottom				0.0	27.5	7.5	6.0	5.6	0.62	378
12	C (Deeper Zones)	Surface	25.05.22	11.55 am	36.3	28.9	8.4	Abs	8.8	0.61	372	
		Middle				0.0	28.1	7.5	6.0	6.0	0.63	385
		Bottom				0.0	27.5	7.4	8.0	4.8	0.66	405
13	D (Deeper Zones)	Surface	25.05.22	12.15 pm	36.4	29.2	8.5	Abs	9.2	0.61	371	
		Middle				0.0	28.7	7.6	Abs	6.4	0.65	395
		Bottom				0	28.0	7.4	6.0	5.2	0.67	407
14	E (Deeper Zones)	Surface	25.05.22	12.40 pm	36.5	29.3	8.4	Abs	8.8	0.61	375	
		Middle				0.0	28.5	7.8	Abs	7.2	0.66	403
		Bottom				0.0	27.9	7.5	4.0	4.8	0.68	415
				Min	0.0	27.5	7.3	4.0	4.0	0.57	350.0	
				Max	36.7	29.7	8.5	14.0	9.6	0.68	415.0	
				Mean	16.3	28.4	7.8	7.9	6.8	0.63	381.8	
Sample collected by					Sample analyzed by				Report prepared by			

Water quality at different locations of Lower Lake May - 2022 (Laboratory Analysis) (Units in mg/liter)

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	120	abs	120	136	88.2	47.8	37.0	11.6	44.96	12	40
2	Dhobighat (L/2)	Surface	108	6	102	114	77.7	36.3	32.6	8.8	40.96	6	28
		Bottom	112	abs	112	120	81.9	38.1	34.4	9.3	44.96	8	36
3	Near Retgahat (L/3)	Surface	106	8	98	116	73.5	42.5	30.9	10.3	40.96	5.2	20
		Bottom	110	abs	110	122	77.7	44.3	32.6	10.8	42.96	10	28
4	MLB College (L/4)	Surface	108	8	100	106	73.5	32.5	30.9	7.9	39.96	4.8	16
		Bottom	114	abs	114	112	79.8	32.2	33.5	7.8	43.96	12	32
5	Bhoipura (L/5)	Surface	98	10	88	116	71.4	44.6	30.0	10.8	41.96	5.6	28
		Bottom	106	abs	106	122	75.6	46.4	31.8	11.3	44.96	14	32
6	Jehangirabad (L/6)	Surface	104	8	96	114	71.4	42.6	30.0	10.4	40.96	5.6	24
		Bottom	108	abs	108	118	75.6	42.4	31.8	10.3	43.96	12	36
7	Khatlapura (L/7)	Surface	96	6	90	112	69.3	42.7	29.1	10.4	38.96	6	20
		Bottom	110	abs	110	118	73.5	44.5	30.9	10.8	42.96	10	32
8	MVM College (L/8)	Surface	106	8	98	112	71.4	40.6	30.0	9.9	41.96	5.6	28
		Bottom	112	abs	112	120	77.7	42.3	32.6	10.3	44.96	14	36
9	Boat House (L/9)	Surface	102	6	96	114	73.5	40.5	30.9	9.8	40.96	4.8	20
		Bottom	108	abs	108	122	79.8	42.2	33.5	10.3	44.36	10	32
10	A (Deeper Zones)	Surface	100	8	92	112	69.3	42.7	29.1	10.4	39.96	5.2	16
		Middle	106	4	102	118	73.5	44.5	30.9	10.8	42.96	6	24
		Bottom	110	abs	110	124	79.8	44.2	33.5	10.7	38.96	14	32
11	B (Deeper Zones)	Surface	98	10	88	114	67.2	46.8	28.2	11.4	41.96	5.6	24
		Middle	104	6	98	118	73.5	44.5	30.9	10.8	44.96	6.4	28
		Bottom	112	abs	112	126	77.7	48.3	32.6	11.7	40.96	14	36
12	C (Deeper Zones)	Surface	104	6	98	110	63.0	47.0	26.5	11.4	42.96	4.8	28
		Middle	106	abs	106	114	69.3	44.7	29.1	10.9	45.95	10	36
		Bottom	110	abs	110	120	73.5	46.5	30.9	11.3	39.96	14	40
13	D (Deeper Zones)	Surface	102	8	94	110	69.3	40.7	29.1	9.9	41.96	5.2	20
		Middle	106	6	100	114	77.7	36.3	32.6	8.8	44.96	6	28
		Bottom	112	abs	112	128	81.9	46.1	34.4	11.2	38.96	14	36
14	E (Deeper Zones)	Surface	104	6	98	114	71.4	42.6	30.0	10.4	40.96	4.8	28
		Middle	110	4	106	118	75.6	42.4	31.8	10.3	43.96	5.6	32
		Bottom	114	abs	114	124	79.8	44.2	33.5	10.7	39.96	14	40
	Min		96	4	88	106	63	32.2	26.46	7.82	41.96	4.8	16
	Max		120	10	120	136	88.2	48.3	37.04	11.74	44.96	14	40
	Mean		107.12	6.95	103.41	117.65	74.86	42.49	31.44	10.32	42.38	8.65	29.18

Sample collected by

Sample analyzed by

Report prepared by

*Water Quality at different locations of Lower Lake: June -2022 (Field Parameters) (Units in mg/liter)												
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)	
1	Banganga (L/1)	Surface	17.06.22	1.45 pm	33.2	30.1	7.4	10.0	2.0	0.65	395	
2	Dhobighat (L/2)	Surface	17.06.22	11.50 am	32.3	29.1	8.5	Abs	9.6	0.57	345	
		Bottom				28.3	7.4	8.0	5.2	0.61	375	
3	Near Retgahat (L/3)	Surface	17.06.22	12.10 pm	32.4	29.3	8.4	Abs	9.2	0.58	355	
		Bottom				0.0	28.5	7.5	6.0	4.4	0.63	384
4	MLB College (L/4)	Surface	17.06.22	12.45 pm	32.7	29.6	8.6	Abs	9.6	0.57	348	
		Bottom				0.0	29.1	7.3	6.0	4.8	0.60	367
5	Bhoipura (L/5)	Surface	20.06.22	12:00 PM	30.1	28.6	8.1	Abs	8.4	0.58	356	
		Bottom				0.0	27.8	7.4	8.0	5.6	0.62	378
6	Jehangirabad (L/6)	Surface	20.06.22	12.30 pm	30.5	29.2	8.2	Abs	8.0	0.59	361	
		Bottom				0.0	28.7	7.5	6.0	5.2	0.63	383
7	Khatlapura (L/7)	Surface	20.06.22	1.10 pm	30.8	29.3	8.1	Abs	8.4	0.61	371	
		Bottom				0.0	28.5	7.4	8.0	4.8	0.64	390
8	MVM College (L/8)	Surface	17.06.22	1.30 pm	33.0	29.9	8.3	Abs	8.8	0.59	361	
		Bottom				0.0	29.3	7.5	8.0	5.6	0.63	384
9	Boat House (L/9)	Surface	17.06.22	1.15 pm	32.9	29.8	8.4	Abs	8.4	0.59	357	
		Bottom				0.0	29.3	7.3	6.0	5.6	0.62	381
10	A (Deeper Zones)	Surface	17.06.22	12.30 pm	32.6	29.5	8.3	Abs	8.8	0.57	350	
		Middle				0.0	28.9	7.5	8.0	6.0	0.60	363
		Bottom				0	28.5	7.4	6.0	4.4	0.62	376
11	B (Deeper Zones)	Surface	17.06.22	12.55 pm	32.8	29.7	8.4	Abs	9.2	0.58	353	
		Middle				0.0	29.2	7.8	Abs	7.6	0.61	374
		Bottom				0.0	28.8	7.4	6.0	5.2	0.64	393
12	C (Deeper Zones)	Surface	20.06.22	11.40 am	30.0	28.4	8.2	Abs	8.0	0.61	371	
		Middle				0.0	27.6	7.4	8.0	5.6	0.63	385
		Bottom				0.0	27.5	7.3	10.0	4.4	0.64	390
13	D (Deeper Zones)	Surface	20.06.22	12.45 pm	30.7	29.2	8.1	Abs	8.0	0.61	374	
		Middle				0.0	28.6	7.4	6.0	5.6	0.63	383
		Bottom				0	28.1	7.3	4.0	4.8	0.66	401
14	E (Deeper Zones)	Surface	20.06.22	12.15 pm	30.3	28.9	8.2	Abs	9.2	0.60	365	
		Middle				0.0	28.1	7.6	Abs	7.6	0.61	372
		Bottom				0.0	27.8	7.4	8.0	5.6	0.65	395
				Min	0.0	27.5	7.3	4.0	2.0	0.57	345.0	
				Max	33.2	30.1	8.6	10.0	9.6	0.66	401.0	
				Mean	14.5	28.8	7.8	7.2	6.6	0.61	373.0	
Sample collected by					Sample analyzed by				Report prepared by			

Water quality at different locations of Lower Lake June - 2022 (Laboratory Analysis) (Units in mg/liter)													
S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	82	abs	118	134	86.1	47.9	36.2	11.6	44.96	8.00	36
2	Dhobighat (L/2)	Surface	72	10	94	114	75.6	38.4	31.8	9.3	38.96	5.60	28
		Bottom	76	abs	108	118	79.8	38.2	33.5	9.3	40.96	10.00	32
3	Near Retgahat (L/3)	Surface	68	8	98	110	71.4	38.6	30.0	9.4	39.96	5.20	24
		Bottom	72	abs	110	116	75.6	40.4	31.8	9.8	41.96	8.00	28
4	MLB College (L/4)	Surface	68	10	98	106	71.4	34.6	30.0	8.4	37.96	5.20	20
		Bottom	70	abs	112	110	73.5	36.5	30.9	8.9	39.96	12.00	28
5	Bhoipura (L/5)	Surface	70	6	100	112	73.5	38.5	30.9	9.4	38.96	4.40	28
		Bottom	74	abs	108	118	77.7	40.3	32.6	9.8	42.96	6.00	32
6	Jehangirabad (L/6)	Surface	72	6	102	114	75.6	38.4	31.8	9.3	40.96	4.80	20
		Bottom	80	abs	114	122	84.0	38.0	35.3	9.2	43.96	8.00	24
7	Khatlapura (L/7)	Surface	68	6	104	110	71.4	38.6	30.0	9.4	39.96	4.40	28
		Bottom	72	abs	116	118	75.6	42.4	31.8	10.3	42.96	8.00	32
8	MVM College (L/8)	Surface	70	6	102	112	73.5	38.5	30.9	9.4	37.96	4.80	24
		Bottom	74	abs	116	118	77.7	40.3	32.6	9.8	41.96	10.00	32
9	Boat House (L/9)	Surface	66	8	98	108	69.3	38.7	29.1	9.4	40.96	4.80	20
		Bottom	70	abs	112	112	73.5	38.5	30.9	9.4	42.96	8.00	28
10	A (Deeper Zones)	Surface	68	8	94	110	71.4	38.6	30.0	9.4	38.96	4.80	16
		Middle	72	abs	106	114	75.6	38.4	31.8	9.3	40.96	8.00	24
		Bottom	76	abs	108	118	79.8	38.2	33.5	9.3	42.96	10.00	32
11	B (Deeper Zones)	Surface	80	8	96	114	84.0	30.0	35.3	7.3	39.96	5.20	20
		Middle	86	6	102	118	90.3	27.7	37.9	6.7	41.96	6.00	28
		Bottom	88	abs	112	122	92.4	29.6	38.8	7.2	43.96	8.00	36
12	C (Deeper Zones)	Surface	82	4	96	112	86.1	25.9	36.2	6.3	40.96	4.80	20
		Middle	86	abs	104	116	90.3	25.7	37.9	6.2	42.96	6.00	24
		Bottom	90	abs	108	120	94.5	25.5	39.7	6.2	44.96	8.00	32
13	D (Deeper Zones)	Surface	76	6	96	114	79.8	34.2	33.5	8.3	37.96	5.20	24
		Middle	80	abs	106	116	84.0	32.0	35.3	7.8	40.96	8.00	28
		Bottom	82	abs	110	124	86.1	37.9	36.2	9.2	41.96	10.00	36
14	E (Deeper Zones)	Surface	80	6	98	116	84.0	32.0	35.3	7.8	38.96	5.60	28
		Middle	84	4	106	120	88.2	31.8	37.0	7.7	39.96	8.00	32
		Bottom	88	abs	112	126	92.4	33.6	38.8	8.2	42.96	10.00	32
	Min		66	4	94	106	69.3	25.5	29.11	6.20	41.96	4.4	16
	Max		90	10	118	134	94.5	47.9	39.69	11.64	44.96	12	36
	Mean		76.41	6.82	105.18	116.24	80.23	35.92	33.70	8.73	41.34	7.09	27.29
Sample collected by			Sample analyzed by					Report prepared by					

***Water Quality at different locations of Lower Lake: July -2022 (Field Parameters) (Units in mg/liter)**

S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)
1	Banganga (L/1)	Surface	28.07.22	3.50 pm	30.2	29.0	7.3	8.0	0.8	0.39	246
2	Dhobighat (L/2)	Surface	28.07.22	3.45 pm	30.0	28.3	7.5	4.0	4.0	0.34	218
		Bottom				27.7	7.3	6.0	1.6	0.37	234
3	Near Retgahat (L/3)	Surface	29.07.22	12.20 pm	29.2	27.6	8.8	Abs	7.2	0.34	220
		Bottom			0.0	27.4	7.4	8.0	4.0	0.37	236
4	MLB College (L/4)	Surface	29.07.22	12.30 pm	29.3	27.7	7.5	6.0	4.8	0.33	211
		Bottom			0.0	27.6	7.3	10.0	2.8	0.35	224
5	Bhoipura (L/5)	Surface	29.07.22	1.0 pm	30.0	28.4	8.1	Abs	6.8	0.34	218
		Bottom			0.0	27.8	7.4	6.0	4.0	0.36	230
6	Jehangirabad (L/6)	Surface	29.07.22	1.35 pm	30.3	29.1	7.6	6.0	5.2	0.34	218
		Bottom			0.0	28.6	7.4	8.0	3.2	0.37	237
7	Khatlapura (L/7)	Surface	28.07.22	4.40 pm	29.6	28.3	7.8	Abs	6.8	0.33	211
		Bottom			0.0	27.7	7.4	8.0	2.4	0.36	230
8	MVM College (L/8)	Surface	28.07.22	4.25 pm	29.7	28.2	7.4	2.0	4.8	0.34	218
		Bottom			0.0	27.6	7.2	6.0	2.0	0.37	237
9	Boat House (L/9)	Surface	28.07.22	4.10 pm	29.8	28.3	7.5	4.0	5.6	0.33	211
		Bottom			0.0	27.8	7.3	6.0	2.4	0.35	224
10	A (Deeper Zones)	Surface	29.07.22	12.40 pm	29.5	27.8	8.1	Abs	7.6	0.34	218
		Middle			0.0	27.6	7.5	6.0	4.4	0.35	224
		Bottom			0	27.5	7.3	8.0	3.6	0.36	230
11	B (Deeper Zones)	Surface	28.07.22	4.0 pm	29.9	28.4	7.8	Abs	7.2	0.34	218
		Middle			0.0	28.0	7.4	4.0	4.0	0.35	224
		Bottom			0.0	27.7	7.3	6.0	3.2	0.36	233
12	C (Deeper Zones)	Surface	28.07.22	4.55 pm	29.5	28.2	7.9	Abs	7.6	0.33	211
		Middle			0.0	27.9	7.3	6.0	4.4	0.35	224
		Bottom			0.0	27.6	7.2	10.0	3.6	0.36	230
13	D (Deeper Zones)	Surface	29.07.22	1.20 pm	30.1	28.6	8.1	Abs	7.2	0.34	218
		Middle			0.0	28.0	7.5	4.0	4.8	0.35	224
		Bottom			0	27.7	7.4	8.0	4.0	0.36	229
14	E (Deeper Zones)	Surface	29.07.22	1.50 pm	30.4	29.3	8.2	Abs	7.6	0.35	224
		Middle			0.0	28.8	7.6	6.0	4.4	0.36	230
		Bottom			0.0	28.2	7.4	10.0	3.2	0.38	244
				Min	0.0	27.4	7.2	2.0	0.8	0.33	211.2
				Max	30.4	29.3	8.8	10.0	7.6	0.39	246.4
				Mean	13.6	28.1	7.6	6.5	4.5	0.35	225.3
Sample collected by					Sample analyzed by				Report prepared by		

Water quality at different locations of Lower Lake July - 2022 (Laboratory Analysis) (Units in mg/liter)													
S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	112	abs	112	130	81.9	48.1	34.4	11.7	43.96	12.00	36
2	Dhobighat (L/2)	Surface	96	abs	96	110	73.5	36.5	30.9	8.9	34.97	8.00	32
		Bottom	104	abs	104	116	75.6	40.4	31.8	9.8	38.96	10.00	40
3	Near Retgahat (L/3)	Surface	94	6	88	106	69.3	36.7	29.1	8.9	37.96	6.00	28
		Bottom	100	abs	100	114	73.5	40.5	30.9	9.8	39.96	10.00	36
4	MLB College (L/4)	Surface	90	abs	90	104	69.3	34.7	29.1	8.4	35.96	6.00	32
		Bottom	102	abs	102	108	71.4	36.6	30.0	8.9	40.96	8.00	44
5	Bhoipura (L/5)	Surface	92	4	88	110	71.4	38.6	30.0	9.4	36.96	5.60	28
		Bottom	106	abs	106	116	77.7	38.3	32.6	9.3	39.96	8.00	36
6	Jehangirabad (L/6)	Surface	88	abs	88	112	73.5	38.5	30.9	9.4	38.96	6.00	24
		Bottom	98	abs	98	118	77.7	40.3	32.6	9.8	42.96	10.00	32
7	Khatlapura (L/7)	Surface	88	4	84	108	69.3	38.7	29.1	9.4	37.96	5.20	32
		Bottom	100	abs	100	114	73.5	40.5	30.9	9.8	41.96	8.00	40
8	MVM College (L/8)	Surface	92	abs	92	110	71.4	38.6	30.0	9.4	36.96	8.00	36
		Bottom	108	abs	108	116	75.6	40.4	31.8	9.8	39.96	12.00	44
9	Boat House (L/9)	Surface	94	abs	94	104	67.2	36.8	28.2	8.9	37.96	6.00	28
		Bottom	110	abs	110	110	71.4	38.6	30.0	9.4	41.96	10.00	36
10	A (Deeper Zones)	Surface	90	4	86	106	67.2	38.8	28.2	9.4	35.96	6.00	20
		Middle	98	abs	98	110	73.5	36.5	30.9	8.9	38.96	8.00	32
		Bottom	104	abs	104	114	77.7	36.3	32.6	8.8	40.96	10.00	40
11	B (Deeper Zones)	Surface	92	2	90	112	73.5	38.5	30.9	9.4	36.96	6.40	24
		Middle	100	abs	100	116	77.7	38.3	32.6	9.3	39.96	10.00	28
		Bottom	106	abs	106	120	81.9	38.1	34.4	9.3	41.96	12.00	36
12	C (Deeper Zones)	Surface	94	4	90	110	75.6	34.4	31.8	8.4	34.97	5.60	28
		Middle	102	abs	102	114	77.7	36.3	32.6	8.8	37.96	8.00	36
		Bottom	108	abs	108	118	81.9	36.1	34.4	8.8	40.96	12.00	40
13	D (Deeper Zones)	Surface	92	4	88	112	73.5	38.5	30.9	9.4	36.96	6.40	24
		Middle	104	abs	104	116	77.7	38.3	32.6	9.3	39.96	6.00	32
		Bottom	106	abs	106	120	81.9	38.1	34.4	9.3	42.96	8.00	40
14	E (Deeper Zones)	Surface	90	6	84	114	77.7	36.3	32.6	8.8	35.96	6.80	20
		Middle	102	abs	102	116	79.8	36.2	33.5	8.8	38.96	8.00	28
		Bottom	104	abs	104	122	84.0	38.0	35.3	9.2	41.96	10.00	36
	Min		88	2	84	104	67.2	34.4	28.22	8.36	41.96	5.2	20
	Max		112	6	112	130	84	48.1	35.28	11.69	44.96	12	44
	Mean		99.00	4.20	97.88	113.53	75.17	38.35	31.57	9.32	39.43	8.21	32.71
Sample collected by				Sample analyzed by						Report prepared by			

*Water Quality at different locations of Lower Lake :August -2022 (Field Parameters) (Units in mg/liter)													
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)		
1	Banganga (L/1)	Surface	26.08.22	12.35 pm	28.7	26.8	7.3	10.0	2.0	0.380	243		
2	Dhobighat (L/2)	Surface	26.08.22	11.50 am	28.4	26.3	7.8	Abs	6.4	0.345	221		
		Bottom					25.4	7.4	8.0	3.2	0.380	243	
3	Near Retgahat (L/3)	Surface	26.08.22	12.0 pm	28.5	26.5	7.6	4.0	5.2	0.340	218		
		Bottom					0.0	25.7	7.5	6.0	2.0	0.378	242
4	MLB College (L/4)	Surface	26.08.22	12.15 pm	28.6	26.6	7.7	4.0	4.4	0.347	222		
		Bottom					0.0	25.7	7.4	8.0	2.4	0.382	244
5	Bhoipura (L/5)	Surface	29.08.22	12.05 pm	26.6	25.2	7.5	6.0	4.8	0.342	219		
		Bottom					0.0	24.8	7.3	8.0	2.8	0.367	235
6	Jehangirabad (L/6)	Surface	29.08.22	12.55 pm	26.8	25.5	7.6	4.0	5.2	0.349	223		
		Bottom					0.0	24.8	7.4	6.0	3.2	0.375	240
7	Khatlapura (L/7)	Surface	29.08.22	1.25 pm	27.0	25.9	7.8	Abs	7.2	0.347	222		
		Bottom					0.0	24.9	7.6	8.0	3.6	0.376	241
8	MVM College (L/8)	Surface	26.08.22	12.55 pm	28.8	26.8	7.7	4.0	5.6	0.353	226		
		Bottom					0.0	25.9	7.4	6.0	2.0	0.390	250
9	Boat House (L/9)	Surface	26.08.22	12.30 pm	28.7	26.7	7.5	6.0	6.0	0.351	225		
		Bottom					28.9	25.8	7.3	8.0	2.8	0.385	246
10	A (Deeper Zones)	Surface	26.08.22	1.10 pm	28.9	26.9	8.0	Abs	6.8	0.348	223		
		Middle					0.0	26.2	7.6	4.0	4.4	0.365	234
		Bottom					0	25.6	7.3	8.0	3.2	0.383	245
11	B (Deeper Zones)	Surface	26.08.22	1.30 pm	29.0	27.1	8.1	Abs	6.4	0.346	221		
		Middle					0.0	26.4	7.5	6.0	4.0	0.358	229
		Bottom					0.0	25.7	7.4	10.0	2.8	0.394	252
12	C (Deeper Zones)	Surface	29.08.22	12.15 pm	26.7	25.3	7.9	Abs	7.2	0.352	225		
		Middle					0.0	24.8	7.6	4.0	4.8	0.367	235
		Bottom					0.0	24.4	7.4	6.0	3.2	0.392	251
13	D (Deeper Zones)	Surface	29.08.22	12.40 pm	26.7	25.5	7.6	4.0	5.6	0.350	224		
		Middle					0.0	24.8	7.4	6.0	4.0	0.372	238
		Bottom					0	24.5	7.3	10.0	2.0	0.387	248
14	E (Deeper Zones)	Surface	29.08.22	1.10 pm	26.9	25.6	8.0	Abs	6.8	0.354	227		
		Middle					0.0	24.9	7.5	6.0	4.4	0.378	242
		Bottom					0.0	24.6	7.4	8.0	2.4	0.397	254
				Min	0.0	24.4	7.3	4.0	2.0	0.34	217.6		
				Max	29.0	27.1	8.1	10.0	7.2	0.40	254.1		
				Mean	13.6	25.7	7.6	6.5	4.3	0.37	234.7		
Sample collected by					Sample analyzed by				Report prepared by				

Water quality at different locations of Lower Lake August - 2022 (Laboratory Analysis) (Units in mg/liter)

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	110	abs	110	116	73.5	42.5	30.9	10.3	42.96	14.00	44
2	Dhobighat (L/2)	Surface	94	2	92	104	69.3	34.7	29.1	8.4	31.97	5.60	12
		Bottom	102	abs	102	112	71.4	40.6	30.0	9.9	34.97	8.00	24
3	Near Retgahat (L/3)	Surface	92	abs	92	102	67.2	34.8	28.2	8.5	32.97	6.00	20
		Bottom	100	abs	100	108	69.3	38.7	29.1	9.4	35.96	8.00	28
4	MLB College (L/4)	Surface	96	abs	96	100	65.1	34.9	27.3	8.5	30.97	8.00	16
		Bottom	106	abs	106	106	69.3	36.7	29.1	8.9	33.97	10.00	20
5	Bhoipura (L/5)	Surface	92	abs	92	104	67.2	36.8	28.2	8.9	31.97	6.00	20
		Bottom	104	abs	104	110	71.4	38.6	30.0	9.4	33.97	8.00	24
6	Jehangirabad (L/6)	Surface	92	abs	92	108	69.3	38.7	29.1	9.4	32.97	8.00	24
		Bottom	108	abs	108	114	73.5	40.5	30.9	9.8	34.97	10.00	32
7	Khatlapura (L/7)	Surface	90	4	86	112	71.4	40.6	30.0	9.9	32.97	5.20	20
		Bottom	104	abs	104	116	75.6	40.4	31.8	9.8	35.96	6.00	24
8	MVM College (L/8)	Surface	88	abs	88	110	69.3	40.7	29.1	9.9	33.97	6.00	16
		Bottom	102	abs	102	114	73.5	40.5	30.9	9.8	36.96	10.00	24
9	Boat House (L/9)	Surface	90	abs	90	112	71.4	40.6	30.0	9.9	31.97	8.00	20
		Bottom	106	abs	106	114	75.6	38.4	31.8	9.3	33.97	12.00	28
10	A (Deeper Zones)	Surface	88	4	84	106	69.3	36.7	29.1	8.9	30.97	5.60	12
		Middle	96	abs	96	108	73.5	34.5	30.9	8.4	32.97	6.00	24
		Bottom	102	abs	102	110	75.6	34.4	31.8	8.4	34.97	8.00	32
11	B (Deeper Zones)	Surface	90	4	86	102	67.2	34.8	28.2	8.5	31.97	5.60	16
		Middle	94	abs	94	108	71.4	36.6	30.0	8.9	33.97	8.00	20
		Bottom	102	abs	102	112	73.5	38.5	30.9	9.4	35.96	10.00	24
12	C (Deeper Zones)	Surface	92	4	88	110	71.4	38.6	30.0	9.4	32.97	6.00	20
		Middle	96	abs	96	114	75.6	38.4	31.8	9.3	34.97	8.00	24
		Bottom	106	abs	106	116	77.7	38.3	32.6	9.3	35.96	12.00	28
13	D (Deeper Zones)	Surface	90	abs	90	104	69.3	34.7	29.1	8.4	31.97	6.00	12
		Middle	96	abs	96	108	71.4	36.6	30.0	8.9	33.97	8.00	24
		Bottom	104	abs	104	114	75.6	38.4	31.8	9.3	34.97	12.00	28
14	E (Deeper Zones)	Surface	92	6	86	102	67.2	34.8	28.2	8.5	33.97	5.60	20
		Middle	98	abs	98	108	71.4	36.6	30.0	8.9	34.97	8.00	28
		Bottom	108	abs	108	112	73.5	38.5	30.9	9.4	36.96	10.00	32
	Min		88	2	84	100	65.1	34.4	27.34	8.36	41.96	5.2	12
	Max		110	6	110	116	77.7	42.5	32.63	10.33	44.96	14	44
	Mean		97.88	4.00	97.06	109.18	71.46	37.82	30.01	9.19	34.76	8.14	23.41
Sample collected by				Sample analyzed by						Report prepared by			

*Water Quality at different locations of Lower Lake :September -2022 (Field Parameters) (Units in mg/liter)												
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)	
1	Banganga (L/1)	Surface	16.09.22	2.30 pm	26.8	25.6	7.4	8.0	2.8	0.384	246	
2	Dhobighat (L/2)	Surface	16.09.22	2.25 pm	26.8	25.6	7.8	4.0	5.2	0.347	222	
		Bottom				24.8	7.5	8.0	2.8	0.378	242	
3	Near Retgahat (L/3)	Surface	16.09.22	2.45 pm	27.0	25.8	7.6	6.0	5.6	0.345	221	
		Bottom				0.0	24.9	7.4	10.0	2.4	0.375	240
4	MLB College (L/4)	Surface	16.09.22	3.0 pm	27.1	25.9	7.7	4.0	4.8	0.342	219	
		Bottom				0.0	25.0	7.5	6.0	3.2	0.382	244
5	Bhoipura (L/5)	Surface	16.09.22	3.15 pm	27.2	26.1	7.6	6.0	5.2	0.344	220	
		Bottom				0.0	25.3	7.5	8.0	2.8	0.381	244
6	Jehangirabad (L/6)	Surface	20.09.22	12.55 pm	29.1	28.1	7.7	4.0	5.6	0.351	225	
		Bottom				0.0	27.4	7.4	6.0	2.8	0.387	248
7	Khatlapura (L/7)	Surface	20.09.22	12.0 pm	28.7	27.8	7.8	2.0	6.0	0.480	307	
		Bottom				0.0	27.0	7.5	6.0	3.6	0.385	246
8	MVM College (L/8)	Surface	20.09.22	11.30 am	28.6	27.7	8.2	Abs	7.6	0.345	221	
		Bottom				0.0	26.9	7.4	8.0	3.2	0.378	242
9	Boat House (L/9)	Surface	20.09.22	11.15 am	28.5	27.6	8.1	Abs	7.2	0.338	216	
		Bottom				28.9	26.8	7.5	6.0	4.0	0.374	239
10	A (Deeper Zones)	Surface	16.09.22	3.45 pm	27.3	26.3	7.8	4.0	5.6	0.342	219	
		Middle				0.0	25.8	7.5	8.0	4.0	0.362	232
		Bottom				0	25.5	7.4	10.0	3.2	0.376	241
11	B (Deeper Zones)	Surface	16.09.22	4.0 pm	27.4	26.5	7.7	6.0	5.2	0.347	222	
		Middle				0.0	26.0	7.6	8.0	3.6	0.368	236
		Bottom				0.0	25.6	7.5	12.0	2.0	0.383	245
12	C (Deeper Zones)	Surface	20.09.22	11.45 am	28.6	27.6	8.1	Abs	7.6	0.348	223	
		Middle				0.0	27.1	7.6	4.0	4.8	0.364	233
		Bottom				0.0	26.8	7.4	8.0	2.8	0.382	244
13	D (Deeper Zones)	Surface	20.09.22	12.15 pm	28.8	27.8	8.2	Abs	8.0	0.352	225	
		Middle				0.0	27.2	7.7	6.0	5.2	0.373	239
		Bottom				0	26.9	7.5	8.0	4.0	0.385	246
14	E (Deeper Zones)	Surface	20.09.22	12.35 pm	28.9	27.9	8.1	Abs	7.6	0.349	223	
		Middle				0.0	27.3	7.6	4.0	5.6	0.368	236
		Bottom				0.0	27.0	7.4	8.0	4.0	0.387	248
				Min	0.0	24.8	7.4	2.0	2.0	0.34	216.3	
				Max	29.1	28.1	8.2	12.0	8.0	0.48	307.2	
				Mean	13.6	26.5	7.7	6.6	4.6	0.37	237.6	
Sample collected by					Sample analyzed by				Report prepared by			

Water quality at different locations of Lower Lake September - 2022 (Laboratory Analysis) (Units in mg/liter)													
S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	122	abs	122	126	79.8	46.2	33.5	11.2	34.97	10.00	48
2	Dhobighat (L/2)	Surface	100	abs	100	102	69.3	32.7	29.1	7.9	24.98	6.00	20
		Bottom	104	abs	104	106	73.5	32.5	30.9	7.9	26.97	8.00	24
3	Near Retgahat (L/3)	Surface	96	abs	96	104	71.4	32.6	30.0	7.9	27.97	8.00	24
		Bottom	102	abs	102	108	75.6	32.4	31.8	7.9	30.97	10.00	28
4	MLB College (L/4)	Surface	104	abs	104	106	67.2	38.8	28.2	9.4	26.97	6.00	20
		Bottom	108	abs	108	110	73.5	36.5	30.9	8.9	29.97	10.00	28
5	Bhoipura (L/5)	Surface	100	abs	100	104	65.1	38.9	27.3	9.5	25.97	8.00	16
		Bottom	106	abs	106	112	71.4	40.6	30.0	9.9	27.97	12.00	24
6	Jehangirabad (L/6)	Surface	98	abs	98	108	69.3	38.7	29.1	9.4	27.97	6.00	24
		Bottom	108	abs	108	114	75.6	38.4	31.8	9.3	29.97	8.00	32
7	Khatlapura (L/7)	Surface	94	abs	94	106	71.4	34.6	30.0	8.4	25.97	8.00	20
		Bottom	104	abs	104	110	77.7	32.3	32.6	7.8	27.97	10.00	24
8	MVM College (L/8)	Surface	100	6	94	104	67.2	36.8	28.2	8.9	26.97	6.40	12
		Bottom	106	abs	106	108	71.4	36.6	30.0	8.9	28.97	8.00	20
9	Boat House (L/9)	Surface	100	4	96	106	65.1	40.9	27.3	9.9	27.97	5.60	16
		Bottom	104	abs	104	112	69.3	42.7	29.1	10.4	29.97	10.00	24
10	A (Deeper Zones)	Surface	94	abs	94	104	67.2	36.8	28.2	8.9	23.98	6.00	12
		Middle	98	abs	98	108	71.4	36.6	30.0	8.9	25.97	8.00	16
		Bottom	104	abs	104	112	75.6	36.4	31.8	8.8	27.97	10.00	20
11	B (Deeper Zones)	Surface	100	abs	100	106	65.1	40.9	27.3	9.9	24.98	8.00	16
		Middle	104	abs	104	110	69.3	40.7	29.1	9.9	26.97	10.00	24
		Bottom	108	abs	108	114	73.5	40.5	30.9	9.8	28.97	10.00	28
12	C (Deeper Zones)	Surface	96	4	92	104	69.3	34.7	29.1	8.4	26.97	6.00	12
		Middle	102	abs	102	106	73.5	32.5	30.9	7.9	28.97	8.00	20
		Bottom	106	abs	106	112	77.7	34.3	32.6	8.3	30.97	10.00	24
13	D (Deeper Zones)	Surface	92	6	86	102	71.4	30.6	30.0	7.4	25.97	6.80	16
		Middle	96	abs	96	108	73.5	34.5	30.9	8.4	28.97	8.00	24
		Bottom	100	abs	100	112	77.7	34.3	32.6	8.3	31.97	10.00	32
14	E (Deeper Zones)	Surface	94	4	90	106	69.3	36.7	29.1	8.9	26.97	6.40	20
		Middle	98	abs	98	110	75.6	34.4	31.8	8.4	29.97	10.00	24
		Bottom	104	abs	104	114	79.8	34.2	33.5	8.3	32.97	12.00	28
	Min		92	4	86	102	65.1	30.6	27.34	7.44	41.96	5.6	12
	Max		122	6	122	126	79.8	46.2	33.52	11.23	44.96	12	48
	Mean		101.94	4.86	101.06	108.88	72.02	36.68	30.25	8.91	29.18	8.44	22.94
Sample collected by				Sample analyzed by						Report prepared by			

*Water Quality at different locations of Lower Lake :October -2022 (Field Parameters) (Units in mg/liter)												
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)	
1	Banganga (L/1)	Surface	17.10.22	1.0 pm	27.0	26.5	7.5	12.0	2.8	0.377	241	
2	Dhobighat (L/2)	Surface	17.10.22	11.40 am	26.0	25.3	8.2	Abs	8.8	0.354	227	
		Bottom				24.8	7.4	8.0	4.4	0.365	234	
3	Near Retgahat (L/3)	Surface	17.10.22	11.50 am	26.1	25.4	8.3	Abs	8.4	0.358	229	
		Bottom				0.0	24.9	7.5	6.0	4.8	0.372	238
4	MLB College (L/4)	Surface	17.10.22	12.10 pm	26.3	25.6	8.2	Abs	8.0	0.353	226	
		Bottom				0.0	25.0	7.4	8.0	4.0	0.375	240
5	Bhoipura (L/5)	Surface	18.10.22	12.0 pm	27.5	26.4	8.4	Abs	9.6	0.351	225	
		Bottom				0.0	25.8	7.5	6.0	3.2	0.365	234
6	Jehangirabad (L/6)	Surface	18.10.22	12.55 pm	28.3	27.5	8.3	Abs	8.4	0.351	225	
		Bottom				0.0	26.8	7.6	4.0	3.6	0.353	226
7	Khatlapura (L/7)	Surface	18.10.22	1.15 pm	28.5	27.6	8.4	Abs	8.8	0.348	223	
		Bottom				0.0	26.9	7.6	6.0	4.0	0.359	230
8	MVM College (L/8)	Surface	17.10.22	1.10 pm	27.3	26.7	8.2	Abs	8.4	0.352	225	
		Bottom				0.0	26.0	7.5	6.0	4.0	0.365	234
9	Boat House (L/9)	Surface	17.10.22	12.50 pm	26.9	25.9	8.3	Abs	8.8	0.356	228	
		Bottom					25.3	7.5	8.0	5.2	0.376	241
10	A (Deeper Zones)	Surface	17.10.22	12.25 pm	26.5	25.7	8.2	Abs	8.8	0.344	220	
		Middle				0.0	25.1	7.6	6.0	5.6	0.354	227
		Bottom				0	24.8	7.4	10.0	4.0	0.369	236
11	B (Deeper Zones)	Surface	17.10.22	12.40 pm	26.7	25.8	8.3	Abs	8.4	0.351	225	
		Middle				0.0	25.1	7.7	4.0	5.2	0.359	230
		Bottom				0.0	24.9	7.5	8.0	4.4	0.361	231
12	C (Deeper Zones)	Surface	18.10.22	12.15 pm	27.6	26.5	8.2	Abs	9.2	0.351	225	
		Middle				0.0	26.1	7.6	6.0	4.4	0.368	236
		Bottom				0.0	25.8	7.4	8.0	1.2	0.372	238
13	D (Deeper Zones)	Surface	18.10.22	12.30 pm	27.8	26.6	8.4	Abs	9.6	0.353	226	
		Middle				0.0	26.0	7.8	6.0	4.4	0.367	235
		Bottom				0	25.9	7.5	10.0	0.4	0.369	236
14	E (Deeper Zones)	Surface	18.10.22	12.40 pm	27.9	26.7	8.3	Abs	9.2	0.345	221	
		Middle				0.0	26.2	7.7	4.0	3.6	0.373	239
		Bottom				0.0	26.0	7.4	8.0	0.8	0.395	253
				Min	0.0	24.8	7.4	4.0	0.4	0.34	220.2	
				Max	28.5	27.6	8.4	12.0	9.6	0.40	252.8	
				Mean	12.8	25.9	7.8	7.1	5.7	0.36	231.5	
Sample collected by					Sample analyzed by				Report prepared by			

Water quality at different locations of Lower Lake October - 2022 (Laboratory Analysis) (Units in mg/liter)

S. No.	Sampling Stations & No.	Layer		Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)	
1	Banganga (L/1)	Surface	3.6	130	abs	130	136	113.4	22.6	47.6	5.5	35.96	12.00	40	
2	Dhobighat (L/2)	Surface	2.7	110	6	104	102	81.9	20.1	34.4	4.9	26.97	5.20	24	
		Bottom	2.9	114	abs	114	106	86.1	19.9	36.2	4.8	28.97	10.00	40	
3	Near Retgahat (L/3)	Surface	2.5	106	4	102	104	84.0	20.0	35.3	4.9	24.98	5.60	28	
		Bottom	2.7	110	abs	110	108	90.3	17.7	37.9	4.3	26.97	12.00	32	
4	MLB College (L/4)	Surface	2.9	108	6	102	106	88.2	17.8	37.0	4.3	28.97	6.00	28	
		Bottom	3.1	112	abs	112	110	94.5	15.5	39.7	3.8	30.97	8.00	32	
5	Bhoipura (L/5)	Surface	2.6	106	8	98	104	90.3	13.7	37.9	3.3	25.97	5.60	20	
		Bottom	2.8	114	abs	114	112	96.6	15.4	40.6	3.7	27.97	10.00	40	
6	Jehangirabad (L/6)	Surface	2.4	110	6	104	108	86.1	21.9	36.2	5.3	23.98	6.00	28	
		Bottom	2.7	116	abs	116	114	90.3	23.7	37.9	5.8	26.97	12.00	36	
7	Khatlapura (L/7)	Surface	2.8	108	6	102	106	88.2	17.8	37.0	4.3	27.97	5.60	24	
		Bottom	3	114	abs	114	110	92.4	17.6	38.8	4.3	29.97	8.00	40	
8	MVM College (L/8)	Surface	2.6	106	6	100	104	88.2	15.8	37.0	3.8	25.97	5.60	20	
		Bottom	2.9	112	abs	112	108	90.3	17.7	37.9	4.3	28.97	10.00	44	
9	Boat House (L/9)	Surface	2.5	110	4	106	106	92.4	13.6	38.8	3.3	24.98	6.40	28	
		Bottom	2.8	112	abs	112	112	94.5	17.5	39.7	4.3	27.97	10.00	36	
10	A (Deeper Zones)	Surface	2.4	106	6	100	104	88.2	15.8	37.0	3.8	23.98	6.80	24	
		Middle	2.6	110	abs	110	108	92.4	15.6	38.8	3.8	25.97	8.00	28	
		Bottom	2.8	116	abs	116	112	96.6	15.4	40.6	3.7	27.97	10.00	32	
11	B (Deeper Zones)	Surface	2.5	108	4	104	106	86.1	19.9	36.2	4.8	24.98	6.40	20	
		Middle	2.7	112	abs	112	110	90.3	19.7	37.9	4.8	26.97	8.00	32	
		Bottom	2.9	114	abs	114	114	94.5	19.5	39.7	4.7	28.97	10.00	36	
12	C (Deeper Zones)	Surface	2.6	104	6	98	104	90.3	13.7	37.9	3.3	25.97	7.20	28	
		Middle	2.8	108	abs	108	106	92.4	13.6	38.8	3.3	27.97	8.00	36	
		Bottom	3	112	abs	112	112	98.7	13.3	41.5	3.2	29.97	12.00	40	
13	D (Deeper Zones)	Surface	2.7	110	4	106	102	79.8	22.2	33.5	5.4	26.97	6.80	32	
		Middle	2.9	114	abs	114	108	90.3	17.7	37.9	4.3	28.97	8.00	36	
		Bottom	3.1	118	abs	118	112	94.5	17.5	39.7	4.3	30.97	10.00	44	
14	E (Deeper Zones)	Surface	2.6	106	6	100	106	84.0	22.0	35.3	5.3	25.97	7.20	24	
		Middle	2.7	108	abs	108	110	88.2	21.8	37.0	5.3	26.97	10.00	28	
		Bottom	3	112	abs	112	114	92.4	21.6	38.8	5.2	29.97	12.00	32	
	Min			104	4	98	102	79.8	13.3	33.52	3.23	41.96	5.2	20	
	Max			130	8	130	136	113.4	23.7	47.63	5.76	44.96	12	44	
	Mean			111.47	5.60	109.18	109.47	91.16	18.08	38.29	4.39	28.65	8.40	31.65	
Sample collected by				Sample analyzed by						Report prepared by					

*Water Quality at different locations of Lower Lake :November -2022 (Field Parameters) (Units in mg/liter)													
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)		
1	Banganga (L/1)	Surface	23.11.22	1.45 pm	25.2	24.5	7.5	12.0	1.6	0.357	228		
2	Dhobighat (L/2)	Surface	22.11.22	12.10 pm	24.6	23.3	8.1	Abs	8.0	0.345	221		
		Bottom					22.6	7.4	8.0	2.4	0.362	232	
3	Near Retgahat (L/3)	Surface	22.11.22	12.25 pm	24.8	23.5	8.2	Abs	9.2	0.352	225		
		Bottom					0.0	22.8	7.5	6.0	2.0	0.374	239
4	MLB College (L/4)	Surface	22.11.22	12.40 pm	24.9	23.6	8.3	Abs	8.8	0.358	229		
		Bottom					0.0	22.9	7.3	10.0	2.8	0.378	242
5	Bhoipura (L/5)	Surface	22.11.22	12.55 pm	25.1	23.8	8.2	Abs	8.4	0.348	223		
		Bottom					0.0	23.0	7.4	8.0	3.2	0.365	234
6	Jehangirabad (L/6)	Surface	22.11.22	1.55 pm	25.6	24.7	8.1	Abs	7.6	0.352	225		
		Bottom					0.0	23.9	7.5	6.0	2.8	0.367	235
7	Khatlapura (L/7)	Surface	23.11.22	1.15 pm	24.8	24.3	8.2	Abs	8.4	0.359	230		
		Bottom					0.0	23.7	7.4	8.0	3.2	0.384	246
8	MVM College (L/8)	Surface	23.11.22	1.35 pm	25.1	24.6	8.1	Abs	8.0	0.362	232		
		Bottom					0.0	23.9	7.5	6.0	2.8	0.381	244
9	Boat House (L/9)	Surface	23.11.22	12.15 pm	24.3	23.4	8.2	Abs	8.4	0.349	223		
		Bottom						22.7	7.5	8.0	3.2	0.368	236
10	A (Deeper Zones)	Surface	22.11.22	1.40 pm	25.5	24.3	8.3	Abs	8.8	0.357	228		
		Middle					0.0	23.8	7.6	8.0	4.8	0.396	253
		Bottom					0	23.1	7.4	10.0	2.4	0.384	246
11	B (Deeper Zones)	Surface	23.11.22	12.40 pm	24.5	23.6	8.2	Abs	8.0	0.352	225		
		Middle					0.0	22.9	7.5	6.0	4.0	0.364	233
		Bottom					0.0	22.7	7.4	8.0	2.8	0.375	240
12	C (Deeper Zones)	Surface	23.11.22	12.55 pm	24.6	24.0	8.3	8.0	8.4	0.358	229		
		Middle					0.0	23.5	7.6	10.0	4.4	0.373	239
		Bottom					0.0	23.0	7.5	8.0	3.2	0.382	244
13	D (Deeper Zones)	Surface	22.11.22	1.15 pm	25.3	23.9	8.3	Abs	8.8	0.347	222		
		Middle					0.0	23.1	7.5	6.0	4.0	0.359	230
		Bottom					0	22.7	7.4	10.0	3.2	0.378	242
14	E (Deeper Zones)	Surface	22.11.22	1.30 pm	25.4	24.2	8.2	Abs	9.2	0.356	228		
		Middle					0.0	23.6	7.6	6.0	4.8	0.369	236
		Bottom					0.0	23.0	7.5	8.0	2.4	0.380	243
				Min	0.0	22.6	7.3	6.0	1.6	0.35	220.8		
				Max	25.6	24.7	8.3	12.0	9.2	0.40	253.4		
				Mean	11.7	23.5	7.8	8.1	5.3	0.37	234.0		
Sample collected by					Sample analyzed by				Report prepared by				

Water quality at different locations of Lower Lake November - 2022 (Laboratory Analysis) (Units in mg/liter)													
S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	128	abs	128	134	111.3	22.7	46.7	5.5	33.97	10.00	44
2	Dhobighat (L/2)	Surface	108	6	102	116	86.1	29.9	36.2	7.3	24.98	4.80	24
		Bottom	112	abs	112	122	90.3	31.7	37.9	7.7	26.97	6.00	28
3	Near Retgahat (L/3)	Surface	106	8	98	120	94.5	25.5	39.7	6.2	25.97	5.20	28
		Bottom	110	abs	110	126	98.7	27.3	41.5	6.6	27.97	8.00	32
4	MLB College (L/4)	Surface	110	6	104	114	88.2	25.8	37.0	6.3	23.98	5.60	28
		Bottom	114	abs	114	118	92.4	25.6	38.8	6.2	25.97	10.00	36
5	Bhoipura (L/5)	Surface	104	4	100	112	90.3	21.7	37.9	5.3	24.98	4.40	32
		Bottom	108	abs	108	128	96.6	31.4	40.6	7.6	26.97	6.00	36
6	Jehangirabad (L/6)	Surface	100	4	96	114	86.1	27.9	36.2	6.8	26.97	4.80	24
		Bottom	106	abs	106	118	88.2	29.8	37.0	7.2	28.97	8.00	32
7	Khatlapura (L/7)	Surface	106	8	98	112	84.0	28.0	35.3	6.8	25.97	5.20	28
		Bottom	112	abs	112	116	88.2	27.8	37.0	6.8	26.97	8.00	36
8	MVM College (L/8)	Surface	108	6	102	124	86.1	37.9	36.2	9.2	24.98	5.60	32
		Bottom	112	abs	112	128	90.3	37.7	37.9	9.2	27.97	10.00	36
9	Boat House (L/9)	Surface	110	6	104	116	90.3	25.7	37.9	6.2	23.98	4.80	28
		Bottom	114	abs	114	124	94.5	29.5	39.7	7.2	26.97	6.00	32
10	A (Deeper Zones)	Surface	112	8	104	118	86.1	31.9	36.2	7.8	22.98	4.80	24
		Middle	116	abs	116	126	90.3	35.7	37.9	8.7	23.98	6.00	32
		Bottom	118	abs	118	130	94.5	35.5	39.7	8.6	25.97	8.00	36
11	B (Deeper Zones)	Surface	108	6	102	124	90.3	33.7	37.9	8.2	23.98	5.20	28
		Middle	112	abs	112	128	92.4	35.6	38.8	8.7	26.97	8.00	36
		Bottom	114	abs	114	130	96.6	33.4	40.6	8.1	27.97	10.00	40
12	C (Deeper Zones)	Surface	110	8	102	120	88.2	31.8	37.0	7.7	24.98	6.00	24
		Middle	116	abs	116	126	92.4	33.6	38.8	8.2	25.97	8.00	28
		Bottom	118	abs	118	132	94.5	37.5	39.7	9.1	28.97	10.00	32
13	D (Deeper Zones)	Surface	108	6	102	126	92.4	33.6	38.8	8.2	25.97	5.20	28
		Middle	112	abs	112	130	96.6	33.4	40.6	8.1	27.97	8.00	32
		Bottom	116	abs	116	136	98.7	37.3	41.5	9.1	29.97	10.00	36
14	E (Deeper Zones)	Surface	106	8	98	124	90.3	33.7	37.9	8.2	26.97	5.60	28
		Middle	112	abs	112	130	92.4	37.6	38.8	9.1	28.97	6.00	36
		Bottom	118	abs	118	132	96.6	35.4	40.6	8.6	30.97	8.00	40
	Min		100	4	96	112	84	21.7	35.28	5.27	41.96	4.4	24
	Max		128	8	128	136	111.3	37.9	46.75	9.21	44.96	10	44
	Mean		111.53	6.40	108.94	123.59	92.46	31.33	38.83	7.61	27.77	6.93	31.88
Sample collected by				Sample analyzed by						Report prepared by			

***Water Quality at different locations of Lower Lake: Dec-2021 (Field Parameters) (Units in mg/liter)**

S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO ₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)
1	Banganga (L/1)	Surface	30.12.21	3.20 pm	23.6	19.8	7.5	8.0	3.6	0.67	410
2	Dhobighat (L/2)	Surface	30.12.21	2.0 pm	22.9	19.7	7.6	6.0	4.8	0.65	394
		Bottom			0.0	18.6	7.4	8.0	1.6	0.67	408
3	Near Retgahat (L/3)	Surface	30.12.21	1.45 pm	22.7	19.6	7.5	4.0	5.6	0.68	413
		Bottom			0.0	18.5	7.3	6.0	2.0	0.69	418
4	MLB College (L/4)	Surface	24.12.21	1.25 pm	24.4	20.3	8.5	Abs	9.2	0.49	297
		Bottom			0.0	19.1	7.3	8.0	5.2	0.64	390
5	Bhoipura (L/5)	Surface	24.12.21	1.45 pm	24.5	20.2	8.4	Abs	8.8	0.66	402
		Bottom			0.0	18.9	7.4	6.0	5.6	0.67	408
6	Jehangirabad (L/6)	Surface	24.12.21	3.0 pm	25.0	20.4	8.4	Abs	8.8	0.65	395
		Bottom			0.0	18.7	7.3	4.0	4.8	0.67	406
7	Khatlapura (L/7)	Surface	24.12.21	2.15 pm	26.6	20.3	8.3	Abs	8.0	0.63	385
		Bottom			0.0	19.4	7.4	6.0	5.2	0.64	392
8	MVM College (L/8)	Surface	30.12.21	3.10 pm	23.6	20.1	7.5	4.0	6.4	0.64	390
		Bottom			0.0	19.4	7.3	8.0	2.8	0.67	406
9	Boat House (L/9)	Surface	30.12.21	2.50 pm	23.5	20.0	7.6	4.0	6.0	0.64	390
		Bottom			0.0	19.3	7.4	6.0	2.4	0.66	404
10	A (Deeper Zones)	Surface	30.12.21	2.30 pm	23.6	20.0	7.6	4.0	6.4	0.65	395
		Middle			0.0	19.5	7.4	3.0	3.6	0.66	403
		Bottom			0	19.1	7.3	10.0	2.0	0.67	406
11	B (Deeper Zones)	Surface	30.12.21	2.45 pm	23.5	20.1	7.7	2.0	6.4	0.63	385
		Middle			0.0	19.6	7.5	4.0	3.2	0.66	402
		Bottom			0.0	19.0	7.4	8.0	1.6	0.67	408
12	C (Deeper Zones)	Surface	24.12.21	2.0 pm	24.6	20.4	8.4	Abs	8.4	0.65	395
		Middle			0.0	19.5	7.4	4.0	6.0	0.66	404
		Bottom			0.0	19.1	7.3	6.0	2.8	0.66	405
13	D (Deeper Zones)	Surface	24.12.21	2.45 pm	24.7	20.4	8.5	Abs	8.8	0.64	390
		Middle			0.0	19.3	7.6	6.0	6.4	0.65	395
		Bottom			0	18.7	7.3	8.0	2.4	0.67	406
14	E (Deeper Zones)	Surface	24.12.21	3.15 pm	25.1	20.3	8.4	Abs	8.4	0.63	385
		Middle			0.0	19.1	7.5	6.0	5.6	0.64	390
		Bottom			0.0	18.5	7.3	10.0	2.0	0.67	410
				Min	0.0	18.5	7.3	2.0	1.6	0.5	297.0
				Max	26.6	20.4	8.5	10.0	9.2	0.7	418.0
				Mean	10.7	19.5	7.7	6.0	5.2	0.6	394.2
Sample collected by					Sample analyzed by				Report prepared by		

Table-3 Water quality at different locations of Lower Lake :Dec - 2021 (Laboratory Analysis) (Units in mg/liter)

S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	156	abs	156	218	157.5	60.5	66.2	14.7	49.95	20	52
2	Dhobighat (L/2)	Surface	148	abs	148	214	149.1	64.9	62.6	15.8	34.97	14	60
		Bottom	150	abs	150	216	153.3	62.7	64.4	15.2	41.96	18	88
3	Near Retgahat (L/3)	Surface	134	abs	134	210	147.0	63.0	61.7	15.3	40.96	12	40
		Bottom	140	abs	140	216	151.2	64.8	63.5	15.7	42.96	18	72
4	MLB College (L/4)	Surface	144	6	138	190	142.8	47.2	60.0	11.5	29.97	8	48
		Bottom	148	abs	148	198	149.1	48.9	62.6	11.9	34.97	10	60
5	Bhoipura (L/5)	Surface	156	4	152	184	138.6	45.4	58.2	11.0	42.96	7.6	40
		Bottom	160	abs	160	192	142.8	49.2	60.0	12.0	44.96	10	52
6	Jehangirabad (L/6)	Surface	150	6	144	200	147.0	53.0	61.7	12.9	32.97	7.2	44
		Bottom	154	abs	154	210	155.4	54.6	65.3	13.3	34.97	12	84
7	Khatlapura (L/7)	Surface	148	8	140	194	140.7	53.3	59.1	13.0	33.97	6.4	52
		Bottom	154	abs	154	204	144.9	59.1	60.9	14.4	38.96	14	64
8	MVM College (L/8)	Surface	140	abs	140	212	149.1	62.9	62.6	15.3	40.96	8	36
		Bottom	146	abs	146	218	157.5	60.5	66.2	14.7	43.96	12	56
9	Boat House (L/9)	Surface	134	abs	134	194	142.8	51.2	60.0	12.4	37.96	6	44
		Bottom	142	abs	142	204	153.3	50.7	64.4	12.3	41.96	10	60
10	A (Deeper Zones)	Surface	136	abs	136	190	138.6	51.4	58.2	12.5	33.97	8	36
		Middle	140	abs	140	196	142.8	53.2	60.0	12.9	35.96	12	48
		Bottom	144	abs	144	200	149.1	50.9	62.6	12.4	39.96	14	60
11	B (Deeper Zones)	Surface	132	abs	132	194	142.8	51.2	60.0	12.4	36.96	6	40
		Middle	136	abs	136	202	147.0	55.0	61.7	13.4	38.96	10	52
		Bottom	140	abs	140	208	155.4	52.6	65.3	12.8	42.96	14	60
12	C (Deeper Zones)	Surface	130	6	124	196	149.1	46.9	62.6	11.4	39.96	6	32
		Middle	132	abs	132	204	153.3	50.7	64.4	12.3	41.96	10	56
		Bottom	142	abs	142	210	159.6	50.4	67.0	12.2	44.96	14	64
13	D (Deeper Zones)	Surface	126	6	120	192	136.5	55.5	57.3	13.5	34.97	8	40
		Middle	130	abs	130	198	138.6	59.4	58.2	14.4	36.96	10	60
		Bottom	134	abs	134	202	144.9	57.1	60.9	13.9	38.96	10	68
14	E (Deeper Zones)	Surface	130	4	126	194	144.9	49.1	60.9	11.9	37.96	7.2	36
		Middle	136	abs	136	200	151.2	48.8	63.5	11.9	40.96	10	56
		Bottom	140	abs	140	206	155.4	50.6	65.3	12.3	43.96	14	64
	Min		126	4	120	184	136.5	45.4	57.33	11.03	29.97	6	32
	Max		160	8	160	218	159.6	64.9	67.032	15.77	49.95	20	88
	Mean		141.71	5.78	140.35	202.00	147.86	54.26	62.10	13.19	39.37	10.95	54.24

Sample collected by

Sample analyzed by

Report prepared by

*Water Quality at different locations of Lower Lake :December -2022 (Field Parameters) (Units in mg/liter)											
S. No.	St.Name & No.	Layer	Date	Time	Air Temp. °C	Water Temp. °C	pH	Free CO₂ (mg/l)	Dissolved Oxygen (mg/l)	Conductivity (mS/cm)	TDS (mg/l)
1	Banganga	Surface	27.12.23	1.40 pm	25.2	24.5	7.5	12.0	1.6	0.357	228
2	Dhobigha	Surface	27.12.23	12.45 pm	24.6	23.3	8.1	Abs	8.0	0.345	221
		Bottom	28.12.23			22.6	7.4	8.0	2.4	0.362	232
3	Near Retg	Surface	27.12.23	12.55 pm	24.8	23.5	8.2	Abs	9.2	0.352	225
		Bottom			0.0	22.8	7.5	6.0	2.0	0.374	239
4	MLB Coll	Surface	27.12.23	1.15 pm	24.9	23.6	8.3	Abs	8.8	0.358	229
		Bottom			0.0	22.9	7.3	10.0	2.8	0.378	242
5	Bhoipura	Surface	28.12.23	12.15 pm	25.1	23.8	8.2	Abs	8.4	0.348	223
		Bottom			0.0	23.0	7.4	8.0	3.2	0.365	234
6	Jehangira	Surface	28.12.23	2.10 pm	25.6	24.7	8.1	Abs	7.6	0.352	225
		Bottom			0.0	23.9	7.5	6.0	2.8	0.367	235
7	Khatlapur	Surface	28.12.23	2.30 pm	24.8	24.3	8.2	Abs	8.4	0.359	230
		Bottom			0.0	23.7	7.4	8.0	3.2	0.384	246
8	MVM Coll	Surface	27.12.23	3.0 pm	25.1	24.6	8.1	Abs	8.0	0.362	232
		Bottom			0.0	23.9	7.5	6.0	2.8	0.381	244
9	Boat Hou	Surface	28.12.23	2.0 pm	24.3	23.4	8.2	Abs	8.4	0.349	223
		Bottom				22.7	7.5	8.0	3.2	0.368	236
10	A (Deepel	Surface	27.12.23	1.30 pm	25.5	24.3	8.3	Abs	8.8	0.357	228
		Middle			0.0	23.8	7.6	8.0	4.8	0.396	253
		Bottom			0	23.1	7.4	10.0	2.4	0.384	246
11	B (Deepel	Surface	27.12.23	1.50 pm	24.5	23.6	8.2	Abs	8.0	0.352	225
		Middle			0.0	22.9	7.5	6.0	4.0	0.364	233
		Bottom			0.0	22.7	7.4	8.0	2.8	0.375	240
12	C (Deepel	Surface	28.12.23	12.40 pm	24.6	24.0	8.3	8.0	8.4	0.358	229
		Middle			0.0	23.5	7.6	10.0	4.4	0.373	239
		Bottom			0.0	23.0	7.5	8.0	3.2	0.382	244
13	D (Deepel	Surface	28.12.23	1.20 pm	25.3	23.9	8.3	Abs	8.8	0.347	222
		Middle			0.0	23.1	7.5	6.0	4.0	0.359	230
		Bottom			0	22.7	7.4	10.0	3.2	0.378	242
14	E (Deepel	Surface	28.12.23	1.35 pm	25.4	24.2	8.2	Abs	9.2	0.356	228
		Middle			0.0	23.6	7.6	6.0	4.8	0.369	236
		Bottom			0.0	23.0	7.5	8.0	2.4	0.380	243
				Min	0.0	22.6	7.3	6.0	1.6	0.35	220.8
				Max	25.6	24.7	8.3	12.0	9.2	0.40	253.4
				Mean	11.7	23.5	7.8	8.1	5.3	0.37	234.0
Sample collected by					Sample analyzed by				Report prepared by		

Water quality at different locations of Lower Lake December - 2022 (Laboratory Analysis) (Units in mg/liter)													
S. No.	Sampling Stations & No.	Layer	Total Alkalinity (mg/l)	Carbonate Alkalinity (mg/l)	Bi-carbonate alkalinity (mg/l)	Total Hardness (mg/l)	Ca hardness (mg/l)	Mg hardness (mg/l)	Calcium content (mg/l)	Magnesium content (mg/l)	Chloride (mg/l)	BOD (mg/l)	COD (mg/l)
1	Banganga (L/1)	Surface	126	abs	126	130	100.8	29.2	54.6	7.1	33.97	14.0	36
2	Dhobighat (L/2)	Surface	106	4	102	112	84	28.0	36.2	6.8	24.98	5.6	20
		Bottom	110	abs	110	116	86.1	29.9	37.9	7.3	26.97	8.0	24
3	Near Retgahat (L/3)	Surface	108	6	102	118	90.3	27.7	39.7	6.7	25.97	4.4	16
		Bottom	112	abs	112	122	94.5	27.5	41.5	6.7	27.97	10.0	28
4	MLB College (L/4)	Surface	104	8	96	114	84	30.0	37.0	7.3	23.98	6.0	24
		Bottom	108	abs	108	116	90.3	25.7	38.8	6.2	25.97	10.0	28
5	Bhoipura (L/5)	Surface	106	6	100	110	88.2	21.8	37.9	5.3	24.98	5.2	20
		Bottom	112	abs	112	114	92.4	21.6	40.6	5.2	26.97	8.0	28
6	Jehangirabad (L/6)	Surface	102	8	94	106	84	22.0	36.2	5.3	26.97	6.4	24
		Bottom	106	abs	106	112	90.3	21.7	37.0	5.3	28.97	10.0	32
7	Khatlapura (L/7)	Surface	106	10	96	114	86.1	27.9	35.3	6.8	25.97	6.0	28
		Bottom	110	abs	110	122	92.4	29.6	37.0	7.2	26.97	12.0	32
8	MVM College (L/8)	Surface	104	6	98	116	88.2	27.8	36.2	6.8	24.98	5.6	24
		Bottom	110	abs	110	124	94.5	29.5	37.9	7.2	27.97	8.0	28
9	Boat House (L/9)	Surface	106	8	98	112	90.3	21.7	37.9	5.3	23.98	5.2	28
		Bottom	112	abs	112	120	94.5	25.5	39.7	6.2	26.97	8.0	32
10	A (Deeper Zones)	Surface	104	8	96	110	88.2	21.8	36.2	5.3	22.98	4.8	16
		Middle	108	abs	108	116	92.4	23.6	37.9	5.7	23.98	6.0	24
		Bottom	110	abs	110	120	94.5	25.5	39.7	6.2	25.97	8.0	32
11	B (Deeper Zones)	Surface	106	6	100	114	90.3	23.7	37.9	5.8	23.98	5.2	20
		Middle	110	abs	110	122	94.5	27.5	38.8	6.7	26.97	8.0	28
		Bottom	114	abs	114	126	96.6	29.4	40.6	7.1	27.97	10.0	32
12	C (Deeper Zones)	Surface	102	6	96	110	86.1	23.9	37.0	5.8	24.98	5.6	16
		Middle	106	abs	106	116	90.3	25.7	38.8	6.2	25.97	8.0	28
		Bottom	108	abs	108	124	94.5	29.5	39.7	7.2	28.97	12.0	36
13	D (Deeper Zones)	Surface	106	8	98	118	92.4	25.6	38.8	6.2	25.97	5.2	24
		Middle	108	abs	108	124	94.5	29.5	40.6	7.2	27.97	8.0	28
		Bottom	110	abs	110	130	98.7	31.3	41.5	7.6	29.97	10.0	32
14	E (Deeper Zones)	Surface	104	2	102	114	88.2	25.8	37.9	6.3	26.97	6.0	20
		Middle	108	abs	108	116	92.4	23.6	38.8	5.7	28.97	10.0	28
		Bottom	112	abs	112	122	94.5	27.5	40.6	6.7	30.97	12.0	32
	Min		102	2	94	106	84	21.6	35.28	5.25	22.98	4.4	16
	Max		126	10	126	130	100.8	31.3	54.6	7.61	33.97	14	36
	Mean		108.59	6.53	105.82	117.53	91.29	26.29	39.30	6.39	26.88	7.93	26.47
Sample collected by			Sample analyzed by						Report prepared by				