

नेपाल सरकार
शहरी विकास मन्त्रालय
अधिकार सम्पन्न बागमती सभ्यता एकीकृत विकास समिति
गुहेश्वरी फाँट, काठमाण्डौ ।

बागमती नदी तथा यसका सहायक नदीका विभिन्न स्थानमा पानीको नमूना लिई यस समितिको प्रयोगशालामा परीक्षण गर्दा तपसिलमा उल्लेख गरिएका गुणस्तर रहेको जानकारीको लागि प्रकाशित गरिएको छ ।

River water quality analysis report Asoj 2082

Bagmati River

Sampling date	Parameters	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	BOD ₅ mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l
	Sampling sites									
2082.06.22 (08.10.2025)	Sundarijal	8.60	9	19	37	8.6	2	7	750	0.07
	Gokarna	7.89	23	32	61	7.2	11	20	28x10 ³	0.10
	Jorpati	8.26	28	26	72	6.6	13	24	78x10 ³	0.16
	Guheswori	7.81	31	35	80	4.6	16	30	43x10 ³	0.20
	Aryaghat	7.68	37	61	93	4.4	14	25	51x10 ³	0.22
2082.06.23 (09.10.2025)	Minbhavan	7.63	50	45	114	2.9	59	102	76x10 ⁴	0.80
	Manohara and Bagmati Confluence	7.58	63	58	174	3.8	68	110	62x10 ⁴	1.02
	Thapathali	7.52	49	44	200	4.0	45	72	51x10 ⁴	0.64
	Bagmati and Bishnumati confluence	7.47	42	40	215	3.5	55	96	69x10 ⁴	1.06
	Sundarighat	7.28	51	43	224	0.9	60	102	82x10 ⁴	0.86
	Chovar	7.37	71	66	210	2.7	66	124	64x10 ⁴	1.16
Generally acceptable limits		6.5-8.5	<10 NTU	<50 mg/l	<1000 mg/l	≥5 mg/l	≤3 mg/l	≤ 25mg/l	<200 CFU/100 ml (U.S EPA)	< 0.1 mg/l

Dhobikhola River

Sampling date: 2082.06.27 (13.10.2025)

Parameters Sampling sites	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	BOD ₅ mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l
Chapali	7.21	13	24	68	7	6	14	24x10 ²	0.11
Yakatabasti	6.98	26	30	128	4.8	15	32	54x10 ³	0.45
Gopikrishna	7.12	112	105	276	0.0	97	185	14x10 ⁵	1.16
Ratopul	6.96	144	158	282	0.0	162	290	23x10 ⁵	1.31
Buddhanagar	7.05	153	160	266	0.0	121	212	82x10 ⁴	1.20
Dhobikhola and Bagmati confluence	7.17	162	170	245	0.0	92	164	70x10 ⁴	1.06
Generally acceptable limits	6.5-8.5	<10 NTU	<50 mg/l	<1000 mg/l	≥5 mg/l	≤3 mg/l	≤ 25mg/l	<200 CFU/100 ml (U.S EPA)	< 0.1 mg/l

Bishnumati River

Sampling date: 2082.06.30 (16.10.2025)

Parameters Sampling sites	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	BOD ₅ mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l
Budhanilkantha	8.06	10	14	88	7.7	5	14	720	0.14
Tokha	7.96	60	71	278	5.1	53	92	40x10 ⁴	1.11
Mahadev khola	7.58	135	113	299	1.4	54	86	68x10 ⁴	1.08
Mahadev khola and Bishnumati confluence	7.69	110	104	252	1.1	40	74	53x10 ⁴	0.86
Khusibu	7.54	148	156	310	0.6	76	124	14x10 ⁵	1.36
Teku	7.60	150	138	296	0.5	61	114	16x10 ⁵	1.24
Generally acceptable limits	6.5-8.5	<10 NTU	<50 mg/l	<1000mg/l	≥5 mg/l	≤3 mg/l	≤ 25mg/l	<200 CFU/100 ml (U.S EPA)	< 0.1 mg/l

Nakkhu River

Sampling date: 2082.06.26 (12.10.2025)

Parameters Sampling sites	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	BOD ₅ mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l
Near asphalt plant	7.87	455	479	140	6.5	6	13	10x10 ³	0.14
Kantipur colony	7.96	430	452	128	7.1	3	10	11x10 ³	0.12
Ranibu bridge	8.17	456	466	164	7.6	9	22	20x10 ³	0.22
Confluence of Bagmati and Nakkhu	7.68	143	162	210	5.0	39	66	72x10 ³	0.64
Generally acceptable limits	6.5-8.5	<10 NTU	<50 mg/l	<1000mg/l	≥5 mg/l	≤3 mg/l	≤ 25mg/l	<200 CFU/100 ml (U.S EPA)	< 0.1 mg/l

Tukucha River

Sampling date: 2082.06.23(09.10.2025)

Parameters Sampling sites	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	BOD ₅ mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l
Putalisadak	7.42	104	110	460	0.0	162	256	52x10 ⁵	2.36
Kalmochan ghat	7.46	128	144	497	0.0	210	322	47x10 ⁵	2.52
Tukucha and Bagmati confluence	7.51	102	112	382	0.0	157	235	22x10 ⁵	2.06
Generally acceptable limits	6.5-8.5	<10 NTU	<50 mg/l	<1000mg/l	≥5 mg/l	≤3 mg/l	≤ 25mg/l	<200 CFU/100 ml (U.S EPA)	< 0.1 mg/l

Hanumante River

Sampling date: 2082.06.28(14.10.2025)

Parameters Sampling sites	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	BOD ₅ mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l
Gonsal	7.45	15	17	68	8.9	4	12	48x10 ²	0.18
Bramayani ghat	7.36	16	20	81	7.8	8	18	76x10 ²	0.20
Madhu khola	7.25	19	21	247	3.5	15	26	18x10 ³	0.46
Bira khola	7.16	38	42	262	2.1	42	76	86x10 ³	0.81
Chuping ghat	7.28	39	54	301	0.8	51	91	16x10 ⁴	1.13
Kasan khola – Hanumante confluence	7.54	59	48	278	0.3	69	122	40x10 ⁴	1.20
Ghattekhola –Hanumante confluence	7.63	43	38	244	1.3	39	73	31x10 ⁴	0.78
Godavari khola+Hanumante confluence	7.41	46	52	284	0.7	36	68	51x10 ⁴	0.82
Manohara +Hanumante confluence	7.66	67	74	290	0.3	55	88	43x10 ⁴	1.13
Generally acceptable limits	6.5-8.5	<10 NTU	<50 mg/l	<1000mg/l	≥5 mg/l	≤3 mg/l	≤ 25mg/l	<200 CFU/100 ml (U.S EPA)	< 0.1 mg/l