

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 Bhadra 2083

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									
2083.05.17 (02.09.2026)	Sundarijal	8.58	15	7	15	9.5	3	10	90x10 ¹	0.04
	Gokarna	8.15	209	139	35	7.3	11	23	12x10 ³	0.12
	Jorpati	8.22	423	291	54	6.9	16	30	40x10 ³	0.22
	Guheswori	8.19	347	251	70	5.8	13	28	48x10 ³	0.18
	Aryaghat	7.91	151	162	61	5.9	10	26	72x10 ³	0.16
2083.05.18 (03.09.2026)	Minbhavan	8.13	70	65	80	4.8	42	68	22x10 ⁴	0.25
	Manohara and Bagmati Confluence	7.72	80	68	86	4.6	45	76	30x10 ⁴	0.34
	Thapathali	7.62	142	123	192	1.6	56	102	41x10 ⁴	0.51
	Bagmati and Bishnumati confluence	7.49	119	92	169	0.0	55	88	53x10 ⁴	0.42
	Sundarighat	7.50	120	89	185	0.9	73	122	61x10 ⁴	0.55
	Chovar	7.46	168	184	210	6.1	58	108	47x10 ⁴	0.48

Dhobikhola River

Sampling date: 2083.05.22 (07.09.2026)

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	8.43	28	22	54	8.8	11	32	33x10 ²	0.07
Ekatabasti	8.23	38	42	128	7.4	20	46	56x10 ³	0.14
Gopikrishna	7.83	99	108	256	0.0	56	90	62x10 ⁴	0.52
Ratopul	7.60	164	150	321	0.1	75	114	76x10 ⁴	0.67
Buddhanagar	7.59	177	149	284	0.0	70	124	58x10 ⁴	0.42
Dhobikhola and Bagmati confluence	7.87	532	384	224	0.0	46	82	24x10 ⁴	0.30

Bishnumati River

Sampling date : 2083.05.25 (10.09.2026)

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	8.44	13	18	35	7.9	6	14	48x10 ¹	0.05
Tokha	7.74	84	102	170	4.9	32	54	40x10 ⁴	0.41
Mahadev khola	7.54	136	118	214	1.5	73	126	61x10 ⁴	0.34
Mahadev khola and Bishnumati confluence	7.76	184	168	198	3.5	35	60	39x10 ⁴	0.28
Khusibu	7.56	152	144	224	1.3	54	82	52x10 ⁴	0.46
Teku	7.36	164	159	230	1.6	79	132	68x10 ⁴	0.57

Nakkhu River

Sampling date: 2083.05.30 (15.09.2026)

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	7.78	49	40	41	7.5	3	10	78x10 ¹	0.05
Kantipur colony	7.70	43	36	38	7.2	6	12	70x10 ¹	0.06
Ranibu bridge	7.64	39	30	52	7.8	10	28	81x10 ¹	0.10
Confluence of Bagmati and Nakkhu	7.62	413	310	180	7.0	31	54	29x10 ³	0.24

Tukucha River

Sampling date: 2083.05.18(03.09.2026)

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	7.07	118	84	425	0.0	120	210	75x10 ⁴	1.14
Kalmochan ghat	7.18	152	115	409	0.0	131	228	81x10 ⁴	1.26
Tukucha and Bagmati confluene	7.48	110	87	202	0.6	52	94	26x10 ⁴	0.54

Hanumante River

Sampling date: 2083.05.31 (16.09.2026)

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
Gonsa	7.82	36	24	52	7.3	4	14	12x10 ²	0.04
Bramayani ghat	7.77	40	38	46	6.9	7	20	18x10 ²	0.05
Bhadra khola	7.63	104	92	118	6.3	18	38	29x10 ³	0.11
Bira khola	7.58	102	118	220	4.0	25	46	48x10 ³	0.18
Chuping ghat	7.60	88	90	210	3.7	67	114	18x10 ⁴	0.36
Kasan khola – Hanumante confluence	7.38	81	76	184	2.2	42	92	82x10 ³	0.28
Ghattekhola –Hanumante confluence	7.37	72	48	224	3.6	39	66	92x10 ³	0.34
Godavari khola- Hanumante confluence	7.43	68	72	286	3.4	68	110	16x10 ⁴	0.42
Manohara - Hanumante confluence	7.34	92	84	251	2.4	61	120	20x10 ⁴	0.54