

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 Kartik 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									
2082.07.17 (03.11.2025)	Sundarijal	8.10	14	24	32	9.1	5	18	12x10 ²	0.07
	Gokarna	7.66	27	36	74	7.4	14	26	91x10 ³	0.19
	Jorpati	7.57	46	51	92	6.4	27	46	33x10 ⁴	0.22
	Guheswori	7.47	44	58	112	6.5	39	63	48x10 ⁴	0.21
	Aryaghat	7.41	52	60	124	4.0	32	54	55x10 ⁴	0.24
2082.07.18 (04.11.2025)	Minbhavan	7.35	56	44	176	1.2	67	98	17x10 ⁵	0.74
	Manohara and Bagmati Confluence	7.42	52	54	202	0.5	78	132	22x10 ⁵	0.66
	Thapathali	7.50	71	68	256	2.0	50	83	13x10 ⁵	0.71
	Bagmati and Bishnumati confluence	7.62	76	66	262	0.6	66	92	23x10 ⁵	1.02
	Sundarighat	7.48	106	92	270	0.4	68	110	38x10 ⁵	1.23
	Chovar	7.44	86	74	258	3.2	86	134	25x10 ⁵	1.51
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

Dhobikhola River

Sampling date: 2082.07.20 (06.11.2025)

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	7.85	13	26	54	6.7	11	32	60x10 ²	0.15
Yakatabasti	7.36	29	34	118	3.8	66	106	32x10 ⁴	0.35
Gopikrishna	7.28	193	210	276	0.0	320	483	76x10 ⁵	2.82
Ratopul	7.45	203	228	318	0.0	374	565	81x10 ⁵	3.12
Buddhanagar	7.55	212	236	300	0.0	391	608	85x10 ⁵	3.04
Dhobikhola and Bagmati confluence	7.63	161	184	286	0.0	330	520	52x10 ⁵	2.68
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: 2082.07.24 (10.11.2025)

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	8.02	12	28	60	7.5	4	18	14x10 ²	0.16
Tokha	7.45	119	130	274	1.4	170	266	51x10 ⁵	1.87
Mahadev khola	7.64	126	110	312	0.6	224	340	64x10 ⁵	2.02
Mahadev khola and Bishnumati confluence	7.54	146	132	280	0.9	182	310	43x10 ⁵	1.90
Khusibu	7.60	142	154	320	1.1	214	325	47x10 ⁵	2.14
Teku	7.68	105	120	334	0	245	358	55x10 ⁵	2.23
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: 2082.07.26 (12. 11.2025)

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
7.87	7.91	41	52	106	8.1	8	30	17x10 ³	0.12
7.96	8.03	23	30	118	8.7	5	24	20x10 ³	0.10
8.17	7.74	28	34	136	8.0	12	38	34x10 ³	0.15
7.68	7.63	50	68	212	2.4	50	88	22x10 ⁴	0.72
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: 2082.07.18(04.11.2025)

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	7.45	160	172	384	0.0	247	422	74x10 ⁵	2.32
Kalmochan ghat	7.51	142	154	414	0.0	319	490	81x10 ⁵	2.64
Tukucha and Bagmati confluene	7.56	123	116	310	0.0	184	300	34x10 ⁵	2.16
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: 2082.07.27(13.11.2025)

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	7.24	28	32	82	8.1	15	38	26x10 ²	0.18
Bramayani ghat	7.52	33	36	101	6.9	12	30	31x10 ²	0.16
Madhu khola	7.41	30	41	180	2.2	27	48	43x10 ⁴	0.32
Bira khola	7.38	91	84	212	1.5	147	220	22x10 ⁵	1.82
Chuping ghat	7.50	68	72	256	0.0	198	315	35x10 ⁵	2.14
Kasan khola – Hanumante confluence	7.62	49	56	286	0.5	131	190	27x10 ⁵	2.06
Ghattekhola –Hanumante confluence	7.66	68	74	278	0.7	87	132	19x10 ⁵	1.28
Godavari khola+Hanumante confluence	7.55	110	118	261	0.0	140	212	33x10 ⁵	1.84
Manohara +Hanumante confluence	7.48	100	92	302	0.0	207	312	40x10 ⁵	2.46
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