

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 Magh 2081

Bagmati River

Sampling date	Sampling site	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
2081.10.13 (26.01.2025)	Sundarijal	8.76	5	8	65	8.9	7	18	28x10 ¹	0.13
	Gokarna	7.70	26	36	143	6.7	37	62	16x10 ³	0.51
	Jorpati	7.37	77	92	212	3.7	110	192	24x10 ⁴	1.55
	Guheswori	7.44	22	19	199	1.8	31	56	22x10 ³	1.18
	Aryaghat	7.51	27	24	205	2.3	25	48	20x10 ³	1.12
2081.10.14 (27.01.2025)	Minbhavan	7.71	140	133	323	0.0	224	380	59x10 ⁵	1.89
	Manohara and Bagmati Conflumce	7.51	156	184	344	0.0	232	417	44x10 ⁵	2.04
	Thapathali	7.48	160	209	395	0.0	242	458	74x10 ⁵	2.12
	Bagmati and Bishnumati confluence	7.40	175	214	356	0.0	321	530	81x10 ⁵	2.23
	Sundarighat	7.36	189	238	485	0.0	304	570	78x10 ⁵	2.54
	Chovar	7.45	176	242	412	0.0	324	554	61x10 ⁵	2.62

Dhobikhola

Sampling date: 2081.10.15 (28.01.2025)

Sampling site	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	7.84	7	10	200	8.7	34	55	24x10 ³	0.67
Yakatabasti	7.60	117	152	318	1.2	83	156	28x10 ⁴	1.46
Gopikrishna	7.47	310	302	490	0.0	642	1021	72x10 ⁶	7.73
Ratopul	7.51	370	283	540	0.0	672	1085	81x10 ⁶	6.13
Buddhanagar	7.60	220	270	370	0.0	405	760	27x10 ⁶	4.55
Dhobikhola and Bagmati confluence	7.53	112	82	351	0.0	294	450	54x10 ⁵	4.12

Bishnumati

Sampling date: 2081.10.22 (04.02.2025)

Sampling site	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	7.73	12	16	156	7.1	15	36	62x10 ²	0.56
Tokha	7.33	262	350	479	0.0	287	510	39x10 ⁵	3.21
Mahadev khola	7.40	384	412	428	0.0	490	820	21x10 ⁶	4.82
Mahadev khola and Bishnumati confluence	7.46	279	356	453	0.0	308	530	86x10 ⁵	3.88
Khusibu	7.44	268	330	497	0.0	384	610	74x10 ⁵	4.24
Teku	7.50	256	300	512	0.0	359	550	80x10 ⁵	4.30

Nakkhu

Sampling date: 2081.10.20 (02.02.2025)

Sampling site	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	8.05	140	94	168	8.3	5	22	20x10 ²	0.31
Kantipur colony	8.02	123	112	142	8.8	7	18	17x10 ²	0.40
Ranibu bridge	8.00	80	76	210	8.1	22	52	31x10 ²	0.68
Confluence of Bagmati and Nakkhu	7.63	172	213	310	0.0	211	394	68x10 ⁴	2.97

Tukucha

Sampling date 2081.10.14 (27.01.2025)

Sampling site	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	257	310	577	0.0	412	724	28x10 ⁶	6.21
Kalmochan ghat	7.32	223	337	673	0.0	582	860	35x10 ⁶	6.43
Tukucha and Bagmati confluence	7.48	215	295	482	0.0	355	570	77x10 ⁵	3.30

Hanumante

Sampling date: 2081.10.23 (05.02.2025)

Sampling site	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	7.76	28	50	216	8.1	6	14	27x10 ²	0.28
Bramayani ghat	7.56	18	32	204	6.5	8	17	41x10 ²	0.24
Madhu khola	7.72	22	41	318	4.5	23	62	83x10 ³	0.55
Bira khola	7.44	284	305	338	0.0	265	480	15x10 ⁵	3.15
Chuping ghat	7.62	213	223	474	0.0	254	442	95x10 ⁴	3.26
Khasangkhusung kholaHanumante confluence	7.30	112	149	452	0.0	165	304	23x10 ⁵	2.74
Ghattekhola –Hanumante confluence	7.36	136	174	364	0.0	287	556	27x10 ⁵	3.85
Godavari khola+Hanumante confluence	7.40	148	156	414	0.0	220	425	22x10 ⁵	2.87
Manohara +Hanumante confluence	7.38	166	182	378	0.0	155	310	72x10 ⁴	2.55