

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 Baisakh 2082

Bagmati River

Sampling date	Sampling site	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l	Cadmium mg/l	Copper mg/l	lead mg/l	Chromium mg/l
2082.01.28 (11.05.2025)	Sundarijal	8.19	20	36	64	8.9	18	12x10 ²	0.17	0.002	0.002	ND	0.012
	Gokarna	7.46	148	153	209	7.4	51	60x10 ⁴	0.42	0.003	0.002	ND	0.018
	Jorpati	7.25	159	105	326	3.2	125	98x10 ⁴	0.57	0.005	0.003	ND	0.003
	Guheswori	7.41	105	89	257	0.9	130	32x10 ⁴	0.98	0.004	0.003	ND	0.018
	Aryaghat	7.35	60	49	304	1.0	81	30x10 ⁴	0.81	0.005	0.002	ND	0.014
2082.01.31 (14.05.2025)	Minbhavan	7.68	224	303	251	0.0	274	26x10 ⁵	1.64	0.006	0.005	ND	0.025
	Manohara and Bagmati Confluence	7.60	702	822	295	0.0	305	51x10 ⁵	2.01	0.006	0.003	ND	0.059
	Thapathali	7.55	680	710	322	0.0	282	47x10 ⁵	1.54	0.005	0.006	ND	0.056
	Bagmati and Bishnumati confluence	7.51	678	778	316	0.0	330	33x10 ⁵	1.45	0.004	0.007	ND	0.049
	Sundarighat	7.44	700	833	391	0.0	454	87x10 ⁵	1.78	0.007	0.008	ND	0.045
	Chovar	7.49	593	628	400	0.0	370	39x10 ⁵	1.64	0.010	0.008	ND	0.033

Dhobhikhola

Sampling date: 2082.01.25 (08.05.2025)

Sampling site	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l	Cadmium mg/l	Copper mg/l	lead mg/l	Chromium mg/l
Chapali	7.94	16	30	78	7.9	24	36x10 ²	0.16	ND	0.001	ND	0.012
Yakatabasti	7.36	41	67	337	0.4	154	10x10 ⁵	1.10	0.004	0.002	ND	0.001
Gopikrishna	7.40	221	212	530	0.0	516	57x10 ⁵	2.89	0.006	0.006	ND	0.005
Ratopul	7.52	230	219	409	0.0	490	44x10 ⁵	2.92	0.004	0.005	ND	0.004
Buddhanagar	7.66	146	182	359	0.0	410	42x10 ⁵	2.68	0.002	0.003	ND	0.005
Dhobikhola and Bagmati confluence	7.58	101	136	243	0.0	354	31x10 ⁵	2.13	0.004	0.003	ND	0.006

Bishnumati

Sampling date: 2082.01.23 (06.05.2025)

Sampling site	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l	Cadmium mg/l	Copper mg/l	lead mg/l	Chromium mg/l
Budhanilkantha	8.11	6	18	132	6.3	12	21x10 ²	0.13	0.002	<0.001	ND	0.011
Tokha	7.56	305	453	633	0.0	301	56x10 ⁵	2.36	0.002	0.003	ND	0.015
Mahadev khola	7.74	375	387	634	0.0	473	87x10 ⁵	3.10	0.005	0.003	ND	0.007
Mahadev khola and Bishnumati confluence	7.50	204	269	425	0.0	284	43x10 ⁵	1.92	0.003	0.002	ND	0.005
Khusibu	7.75	193	282	456	0.0	326	92x10 ⁵	2.24	0.003	0.003	ND	0.009
Teku	7.77	283	364	430	0.0	380	80x10 ⁵	2.54	0.007	0.004	ND	0.023

Nakkhu

Sampling date: 2082.01.17 (30.04.2025)

Sampling site	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l	Cadmium mg/l	Copper mg/l	lead mg/l	Chromium mg/l
Near asphalt plant	8.38	190	177	207	7.5	19	42x10 ¹	0.16	0.004	<0.001	ND	0.010
Kantipur colony	8.30	136	110	254	7.4	16	49x10 ¹	0.19	0.005	0.002	ND	0.003
Ranibu bridge	8.21	80	65	273	5.7	31	12x10 ²	0.28	0.003	0.002	ND	<0.001
Confluence of Bagmati and Nakkhu	7.86	78	92	358	0.0	310	75x10 ⁴	1.86	0.005	0.003	ND	0.028

Tukucha

Sampling date: 2082.01.19 (02.05.2025)

Sampling site	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l	Cadmium mg/l	Copper mg/l	lead mg/l	Chromium mg/l
Putalisadak	7.50	172	254	578	0.0	516	85x10 ⁵	3.84	0.007	0.003	ND	0.044
Kalmochan ghat	7.52	162	246	600	0.0	533	73x10 ⁵	3.60	0.005	0.005	ND	0.019
Tukucha and Bagmati confluene	7.59	152	176	432	0.0	318	33x10 ⁵	2.10	0.003	0.001	ND	0.005

Hanumante

Sampling date: 2082.01.30 (13.05.2025)

Sampling site	pH	Turbidity (NTU)	TSS mg/l	TDS mg/l	DO mg/l	COD _{cr} mg/l	Fecal coliform C.F.U/100 ml	Total Phosphate mg/l	Cadmium mg/l	Copper mg/l	lead mg/l	Chromium mg/l
Gonsal	8.42	17	14	208	7.8	28	16x10 ²	0.18	0.002	<0.001	ND	0.022
Bramayani ghat	8.57	23	47	210	7.5	39	30x10 ⁴	0.21	0.003	0.002	ND	0.020
Bira khola	7.57	97	164	356	0.0	206	77x10 ⁴	1.14	0.007	0.002	ND	0.019
Chuping ghat	7.18	147	220	324	0.0	392	29x10 ⁵	2.78	0.006	0.004	ND	0.390
Kasan khola – Hanumante confluence	7.58	94	264	430	0.0	240	19x10 ⁵	1.65	0.004	0.002	ND	0.020
Ghattekholā –Hanumante confluence	7.33	93	163	294	0.0	301	51x10 ⁵	1.21	0.007	0.004	ND	0.115
Godavari khola+Hanumante confluence	7.53	100	94	281	0.0	345	66x10 ⁵	3.24	0.008	0.003	ND	0.034
Manohara +Hanumante confluence	7.50	109	146	519	0.0	374	74x10 ⁵	3.85	0.007	0.002	ND	0.040