

नेपाल सरकार
पूर्वाधार 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 Asar 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									
2083.03.18 (02.07.2026)	Sundarijal	7.84	88	128	148	7.8	5	18	62x10 ¹	0.06
	Gokarna	7.60	214	228	153	5.9	15	25	73x10 ²	0.16
	Jorpati	7.54	385	364	212	3.5	42	70	51x10 ²	0.38
	Guheswori	7.61	260	238	256	4.9	20	43	87x10 ²	0.36
	Aryaghat	7.56	354	310	232	1.4	22	48	78x10 ²	0.30
2083.03.22 (06.07.2026)	Minbhavan	7.66	458	302	215	1.0	111	188	18x10 ³	0.52
	Manohara and Bagmati Confluence	7.52	222	184	182	1.9	84	151	22x10 ³	0.43
	Thapathali	7.36	260	226	300	2.1	95	168	26x10 ³	0.80
	Bagmati and Bishnumati confluence	7.38	398	328	290	1.2	78	140	33x10 ³	0.64
	Sundarighat	7.57	174	152	304	1.4	71	110	46x10 ³	0.60
	Chovar	7.48	244	178	294	5.8	54	114	31x10 ³	0.54

Dhobikhola River

Sampling date: 2083.03.24 (08.07.2026)

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	7.94	26	54	188	7.3	10	22	72x10 ¹	0.12
Ekatabasti	7.76	52	95	229	4.2	38	54	88x10 ²	0.41
Gopikrishna	7.51	159	136	356	0.0	143	254	12x10 ⁴	1.24
Ratopul	7.52	253	228	344	1.5	236	350	25x10 ⁴	1.30
Buddhanagar	7.58	166	140	384	0.6	194	310	18x10 ⁴	1.10
Dhobikhola and Bagmati confluence	7.62	180	132	322	0.0	104	200	77x10 ³	0.86

Bishnumati River

Sampling date : 2083.03.29 (13.07.2026)

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	7.82	158	120	146	8.0	8	22	16x10 ²	0.18
Tokha	7.49	598	410	312	4.4	50	92	47x10 ³	0.78
Mahadev khola	7.66	1230	1120	424	4.3	70	128	59x10 ³	1.02
Mahadev khola and Bishnumati confluence	7.61	1166	956	390	3.4	65	112	24x10 ³	0.90
Khusibu	7.56	658	512	400	2.2	87	156	68x10 ³	0.40
Teku	7.63	520	486	456	3.0	94	172	75x10 ³	0.56

Nakkhu River

Sampling date: 2083.03.30 (14.07.2026)

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	8.16	1544	1648	170	6.6	9	18	64x10 ¹	0.02
Kantipur colony	8.14	1733	1826	202	6.4	14	28	56x10 ¹	0.04
Ranibu bridge	7.98	1790	1750	184	7.9	13	32	60x10 ¹	0.06
Confluence of Bagmati and Nakkhu	7.74	1673	1512	224	6.1	40	87	15x10 ³	0.45

Tukucha River

Sampling date: 2083.03.22(06.07.2026)

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	7.42	356	412	338	0.5	117	182	22x10 ⁴	1.02
Kalmochan ghat	7.52	515	484	364	0.0	126	194	31x10 ⁴	0.93
Tukucha and Bagmati confluene	7.50	321	290	284	1.5	71	130	58x10 ³	0.41

Hanumante River

Sampling date: 2083.03.32(16.07.2026)

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
Gonsal	7.88	307	274	156	6.4	6	18	74x10 ¹	0.08
Bramayani ghat	7.62	235	186	172	6.3	7	15	81x10 ¹	0.10
Bhadra khola	7.51	258	164	214	6.5	15	28	12x10 ²	0.12
Bira khola	7.45	332	256	264	5.9	62	104	41x10 ³	0.55
Chuping ghat	7.63	326	272	286	4.9	60	110	23x10 ³	0.38
Kasan khola – Hanumante confluence	7.47	340	308	313	4.0	48	92	51x10 ³	0.32
Ghattekhola –Hanumante confluence	7.53	406	366	282	4.6	45	81	34x10 ³	0.29
Godavari khola- Hanumante confluence	7.50	270	224	302	3.9	55	115	52x10 ³	0.40
Manohara - Hanumante confluence	7.49	321	298	316	4.2	51	88	66x10 ³	0.42