

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 Jeth 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									
2083.02.18 (01.06.2026)	Sundarijal	8.04	34	19	92	8.9	4	15	51x10 ²	0.04
	Gokarna	7.42	212	94	155	7.8	11	32	18x10 ⁴	0.18
	Jorpati	7.44	227	142	180	3.6	63	110	52x10 ⁴	0.30
	Guheswori	7.36	167	78	207	4.2	26	44	32x10 ⁴	0.28
	Aryaghat	7.52	275	131	233	3.8	19	40	30x10 ⁴	0.22
2083.02.19 (02.06.2026)	Minbhavan	7.63	295	191	288	0.0	218	380	13x10 ⁵	1.03
	Manohara and Bagmati Confluence	7.50	161	106	300	0.0	149	270	20x10 ⁵	0.84
	Thapathali	7.42	278	220	381	0.7	231	410	22x10 ⁵	1.36
	Bagmati and Bishnumati confluence	7.48	256	200	336	0.8	272	432	18x10 ⁵	1.52
	Sundarighat	7.60	383	223	421	0.0	201	364	15x10 ⁵	1.30
	Chovar	7.52	380	302	526	2.3	282	487	96x10 ⁴	1.45

Dhobhikhola River

Sampling date: 2083.02.22 (05.06.2026)

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	7.82	41	30	110	6.0	24	50	80x10 ²	0.21
Ekatabasti	7.70	101	63	140	5.2	118	240	48x10 ⁴	0.54
Gopikrishna	7.66	410	320	380	0.0	711	1199	18x10 ⁶	6.10
Ratopul	7.57	470	362	410	0.0	540	972	72x10 ⁵	3.92
Buddhanagar	7.40	295	182	330	0.0	402	730	41x10 ⁵	3.14
Dhobikhola and Bagmati confluence	7.49	250	164	264	0.0	386	652	35x10 ⁵	2.76

Bishnumati River

Sampling date : 2083.02.27 (10.06.2026)

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	8.10	56	32	124	7.1	14	30	60x10 ²	0.18
Tokha	7.45	838	895	360	0.0	216	422	26x10 ⁵	1.27
Mahadev khola	7.60	545	381	343	0.0	224	403	12x10 ⁵	1.25
Mahadev khola and Bishnumati confluence	7.55	478	364	310	0.0	146	260	11x10 ⁵	1.18
Khusibu	7.46	598	412	410	1.2	160	288	14x10 ⁵	1.51
Teku	7.51	753	502	400	1.7	111	210	20x10 ⁵	1.53

Nakkhu River

Sampling date: 2083.02.29 (12.06.2026)

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	8.79	108	68	290	7.4	13	36	48x10 ²	0.12
Kantipur colony	8.29	81	50	254	6.2	16	30	32x10 ²	0.15
Ranibu bridge	8.01	80	69	368	5.1	24	42	44x10 ²	0.2
Confluence of Bagmati and Nakkhu	7.66	122	102	374	1.2	80	144	60x10 ³	0.56

Tukucha River

Sampling date: 2083.02.19(02.06.2026)

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	7.70	290	245	412	0.0	357	600	50x10 ⁵	2.14
Kalmochan ghat	7.63	372	292	470	0.0	323	504	48x10 ⁵	2.26
Tukucha and Bagmati confluene	7.55	322	250	354	0.0	259	430	21x10 ⁵	1.58

Hanumante River

Sampling date: 2083.02.28(11.06.2026)

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	8.06	109	61	89	4.6	11	21	28x10 ²	0.16
Bramayani ghat	8.02	112	70	154	4.9	15	32	31x10 ²	0.14
Bhadra khola	7.77	139	120	210	2.4	26	57	25x10 ⁴	0.20
Bira khola	7.30	570	376	368	0.0	329	590	58x10 ⁵	1.66
Chuping ghat	7.38	266	184	326	0.0	252	424	16x10 ⁵	1.24
Kasan khola – Hanumante confluence	7.56	242	202	298	0.0	143	255	19x10 ⁵	0.92
Ghattekholo –Hanumante confluence	7.50	300	258	330	0.0	244	432	20x10 ⁵	1.28
Godavari khola- Hanumante confluence	7.39	209	184	416	0.0	158	254	23x10 ⁵	1.12
Manohara - Hanumante confluence	7.43	218	176	380	0.0	206	330	29x10 ⁵	1.48