नेपाल सरकार

शहरी विकास मन्त्रालय

अधिकार सम्पन्न बागमती सभ्यता एकीकृत विकास समिति

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वाग्मती 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 Asoj 2083

Bagmati River

Sampling date	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
2083.06.15 (01.10.2026)	Sundarijal	8.10	8	10	14	9.4	3	11	$42x10^1$	0.03
	Gokarna	7.70	38	30	54	7.7	16	34	$15x10^3$	0.14
	Jorpati	7.64	42	34	62	8.1	21	48	$32x10^3$	0.24
	Guheswori	7.58	50	39	66	5.8	20	36	$18x10^3$	0.20
	Aryaghat	7.63	45	36	54	5.9	18	40	$16x10^3$	0.18
2083.06.19 (05.10.2026)	Minbhavan	7.48	110	128	158	3.6	56	94	$46x10^3$	0.36
	Manohara and Bagmati Confluence	7.50	70	103	164	1.8	41	68	$50x10^3$	0.38
	Thapathali	7.62	164	140	156	1.2	43	76	$61x10^3$	0.40
	Bagmati and Bishnumati confluence	7.55	142	150	170	0.8	47	82	$66x10^3$	0.46
	Sundarighat	7.49	377	300	196	0.2	108	164	$73x10^3$	0.54
	Chovar	7.53	392	324	188	3.7	99	152	$60x10^3$	0.52

Dhobhikhola River

Sampling date: 2083.06.20 (06.10.2026)

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	8.05	48	36	72	8.9	8	20	$12x10^2$	0.11
Ekatabasti	7.54	84	69	118	6.7	16	28	$13x10^3$	0.18
Gopikrishna	7.63	282	238	300	1.2	67	95	$21x10^4$	0.48
Ratopul	7.58	168	154	276	0.2	80	126	$18x10^4$	0.61
Buddhanagar	7.62	180	168	268	0.1	74	118	$16x10^4$	0.52
Dhobikhola and Bagmati confluence	7.67	149	136	272	0.0	77	130	$82x10^3$	0.54

Bishnumati River

Sampling date : 2083.06.22 (08.10.2026)

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	11	16	66	7.6	4	12	$14x10^2$	0.05
Tokha	7.46	142	133	214	4.2	63	118	$58x10^3$	0.41
Mahadev khola	7.63	186	158	245	2.7	54	110	$72x10^3$	0.46
Mahadev khola and Bishnumati confluence	7.58	162	136	218	3.1	40	66	$66x10^3$	0.32
Khusibu	7.48	184	178	242	3.3	58	95	$70x10^3$	0.35
Teku	7.61	194	200	255	1.9	51	86	$67x10^3$	0.40

Nakkhu River

Sampling date: 2083.06.23 (09.10.2026)

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	8.12	602	552	126	6.4	7	16	$78x10^1$	0.06
Kantipur colony	8.05	660	564	118	6.8	9	22	$82x10^1$	0.04
Ranibu bridge	8.02	514	476	106	6.5	11	24	$92x10^1$	0.12
Confluence of Bagmati and Nakkhu	7.76	204	184	164	4.6	44	72	$25x10^3$	0.38

Tukucha River

Sampling date: 2083.06.19 (05.10.2026)

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	7.56	260	236	284	0.0	144	240	$14x10^4$	1.03
Kalmochan ghat	7.70	240	218	276	0.0	128	200	$17x10^4$	0.92
Tukucha and Bagmati confluene	7.42	215	182	196	0.9	76	121	$78x10^3$	0.64

Hanumante River

Sampling date: 2083.06. 26 (12.10.2026)

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
Gonsa	7.84	22	34	64	6.0	8	14	$18x10^2$	0.13
Bramayani ghat	7.62	28	40	72	5.7	11	24	$21x10^2$	0.16
Bhadra khola	7.52	54	60	112	5.1	19	42	$49x10^2$	0.22
Bira khola	7.48	124	106	164	2.6	43	74	$15x10^3$	0.36
Chuping ghat	7.63	136	144	186	0.2	72	116	$62x10^3$	0.38
Kasan khola – Hanumante confluence	7.49	84	128	204	0.3	75	124	$54x10^3$	0.40
Ghattekhola –Hanumante confluence	7.52	142	128	138	2.5	67	100	$47x10^3$	0.35
Godavari khola-Hanumante confluence	7.61	168	145	188	0.0	70	132	$61x10^3$	0.52
Manohara - Hanumante confluence	7.43	150	136	204	0.2	79	144	$58x10^3$	0.54