नेपाल सरकार

शहरी विकास मन्त्रालय

अधिकार सम्पन्न बागमती सभ्यता एकीकृत विकास समिति

गुहेश्वरी फाँट, काठमाण्डौ ।

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 Bhaisakh 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
2083.01.21 (04.05.2026)	Sundarijal	7.88	265	215	64	8.8	5	16	950	0.06
	Gokarna	7.51	454	393	118	7.5	16	30	$48x10^3$	0.20
	Jorpati	7.62	620	640	136	7.9	20	46	$72x10^3$	0.38
	Guheswori	7.48	652	684	154	3.8	19	44	$12x10^4$	0.32
	Aryaghat	7.64	480	428	142	4.7	33	58	$18x10^4$	0.30
2083.01.22 (05.05.2026)	Minbhavan	7.49	319	342	214	0.4	113	198	$72x10^4$	0.68
	Manohara and Bagmati Confluence	7.52	395	356	178	1.1	73	165	$56x10^4$	0.72
	Thapathali	7.46	483	442	202	3.9	76	143	$48x10^4$	0.59
	Bagmati and Bishnumati confluence	7.55	545	486	210	1.0	69	170	$53x10^4$	0.60
	Sundarighat	7.54	335	288	186	0.8	121	207	$81x10^4$	0.70
	Chovar	7.61	583	534	192	4.7	78	132	$70x10^4$	0.62

Dhobhikhola River

Sampling date: 2083.01.23 (06.05.2026)

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	8.10	116	78	90	7.2	26	42	$23x10^2$	0.44
Ekatabasti	7.64	103	124	282	0.9	143	264	$34x10^4$	0.86
Gopikrishna	7.45	382	354	436	0.0	367	620	$43x10^5$	2.84
Ratopul	7.56	392	412	478	0.0	440	686	$51x10^5$	3.46
Buddhanagar	7.50	302	334	392	0.0	357	588	$32x10^5$	3.00
Dhobikhola and Bagmati confluence	7.48	342	316	376	0.0	246	408	$26x10^5$	2.58

Bishnumati River

Sampling date : 2083.01.25 (08.05.2026)

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	7.80	50	38	76	6.0	4	15	$33x10^2$	0.08
Tokha	7.56	377	334	288	1.1	154	286	$77x10^4$	1.34
Mahadev khola	7.49	548	478	364	1.0	282	482	$21x10^5$	2.14
Mahadev khola and Bishnumati confluence	7.64	470	402	392	1.2	238	432	$11x10^5$	1.82
Khusibu	7.48	428	386	256	0.0	123	260	$89x10^4$	1.27
Teku	7.52	364	350	300	0.0	164	300	$22x10^5$	1.16

Nakkhu River

Sampling date: 2083.01.30 (13.05.2026)

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	8.20	447	414	120	7.4	8	20	$38x10^2$	0.12
Kantipur colony	8.04	403	364	112	5.6	4	18	$23x10^2$	0.08
Ranibu bridge	8.12	167	140	106	6.5	11	24	$36x10^2$	0.16
Confluence of Bagmati and Nakkhu	7.64	125	132	284	1.0	63	115	$58x10^4$	0.76

Tukucha River

Sampling date: 2083.01.22(05.05.2026)

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	7.64	217	178	390	0.0	270	488	$26x10^5$	2.20
Kalmochan ghat	7.51	212	200	382	0.0	217	430	$17x10^5$	1.82
Tukucha and Bagmati confluene	7.48	384	356	344	0.0	201	320	$82x10^4$	1.16

Hanumante River

Sampling date: 2083.01.31(14.05.2026)

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	8.23	190	132	64	6.2	19	38	$68x10^2$	0.24
Bramayani ghat	7.98	328	278	110	5.3	12	30	$44x10^2$	0.20
Bhadra khola	7.82	81	66	164	2.2	61	110	$11x10^4$	0.59
Bira khola	7.87	464	372	314	1.7	89	148	$86x10^4$	0.68
Chuping ghat	7.88	367	342	326	0.3	166	282	$72x10^4$	1.14
Kasan khola – Hanumante confluence	7.68	320	294	288	0.4	96	152	$31x10^4$	0.64
Ghattekhola –Hanumante confluence	7.82	348	314	338	0.5	111	220	$14x10^5$	0.72
Godavari khola-Hanumante confluence	7.80	281	300	350	0.3	80	132	$48x10^4$	0.48
Manohara - Hanumante confluence	7.49	358	322	364	0.1	141	264	$18x10^5$	1.06