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 Falgun 2082

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
2082.11.17 (01.03.2026)	Sundarijal	8.20	11	8	32	8.9	5	11	750	0.15
	Gokarna	7.70	46	52	160	8.3	19	34	$19x10^4$	0.32
	Jorpati	7.62	176	156	202	3.6	97	170	$58x10^4$	1.12
	Guheswori	7.60	59	44	176	3.1	32	64	$46x10^4$	0.58
	Aryaghat	7.54	34	30	164	5.9	28	54	$30x10^4$	0.44
2082.11.19 (03.03.2026)	Minbhavan	7.48	166	202	286	0.0	210	352	$78x10^4$	2.46
	Manohara and Bagmati Confluence	7.53	300	284	318	0.0	253	450	$82x10^4$	2.68
	Thapathali	7.40	178	192	384	0.0	276	492	$15x10^5$	2.94
	Bagmati and Bishnumati confluence	7.55	248	262	402	0.0	285	484	$12x10^5$	3.06
	Sundarighat	7.63	318	304	416	0.0	310	530	$21x10^5$	3.20
	Chovar	7.58	310	294	383	1.1	255	480	$19x10^5$	3.10
Acceptable limits		**6.5-8.5**	**<10 NTU**	**<50 mg/l**	**<1000mg/l**	**5-9 mg/l**	**≤3 mg/l**	**≤ 25mg/l**	**<200 CFU/100 ml**	**< 0.1 mg/l**

Dhobhikhola River

Sampling date: 2082.11.25 (09.03.2026)

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	7.85	15	20	94	7.4	12	26	$12x10^2$	0.28
Ekatabasti	7.42	357	378	416	0.0	344	590	$57x10^5$	3.86
Gopikrishna	7.56	489	504	538	0.0	584	942	$72x10^5$	4.54
Ratopul	7.62	548	524	546	0.0	497	910	$66x10^5$	4.40
Buddhanagar	7.58	360	344	476	0.0	458	780	$43x10^5$	4.10
Dhobikhola and Bagmati confluence	7.50	318	310	448	0.0	343	620	$40x10^5$	3.64
Acceptable limit	**6.5-8.5**	**<10 NTU**	**<50 mg/l**	**<1000mg/l**	**5-9 mg/l**	**≤3 mg/l**	**≤ 25mg/l**	**<200 CFU/100 ml**	**< 0.1 mg/l**

Bishnumati River

Sampling date : 2082.11.26 (10.03.2026)

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	8.04	34	28	124	5.8	23	48	$11x10^2$	0.42
Tokha	7.45	490	448	462	0.0	302	530	$52x10^5$	3.12
Mahadev khola	7.52	626	584	510	0.0	517	780	$86x10^5$	4.56
Mahadev khola and Bishnumati confluence	7.60	603	522	454	0.0	403	650	$67x10^5$	3.84
Khusibu	7.74	453	467	502	0.0	539	820	$52x10^5$	4.32
Teku	7.68	344	490	490	0.0	410	684	$81x10^5$	4.06
Acceptable limit	**6.5-8.5**	**<10 NTU**	**<50 mg/l**	**<1000mg/l**	**5-9 mg/l**	**≤3 mg/l**	**≤ 25mg/l**	**<200 CFU/100 ml**	**< 0.1 mg/l**

Nakkhu River

Sampling date: 2082.11.27(11.03.2026)

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	8.23	170	134	150	7.1	5	16	$36x10^2$	0.22
Kantipur colony	8.10	58	44	128	7.8	14	24	$30x10^2$	0.30
Ranibu bridge	8.12	51	48	168	5.7	16	30	$72x10^2$	0.32
Confluence of Bagmati and Nakkhu	7.64	235	276	288	0.0	234	388	$81x10^4$	2.76
Acceptable limit	**6.5-8.5**	**<10 NTU**	**<50 mg/l**	**<1000mg/l**	**5-9 mg/l**	**≤3 mg/l**	**≤ 25mg/l**	**<200 CFU/100 ml**	**< 0.1 mg/l**

Tukucha River

Sampling date: 2082.11.19(03.03.2026)

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	7.74	485	411	536	0.0	514	910	$72x10^5$	4.82
Kalmochan ghat	7.64	460	462	522	0.0	453	855	$88x10^5$	4.64
Tukucha and Bagmati confluene	7.58	382	338	436	0.0	380	610	$42x10^5$	3.84
Acceptable limit	**6.5-8.5**	**<10 NTU**	**<50 mg/l**	**<1000mg/l**	**5-9 mg/l**	**≤3 mg/l**	**≤ 25mg/l**	**<200 CFU/100 ml**	**< 0.1 mg/l**

Hanumante River

Sampling date: 2082.11.28(12.03.2026)

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	7.82	39	44	132	7.8	24	42	$18x10^2$	0.26
Bramayani ghat	7.74	15	22	140	4.2	16	30	$14x10^2$	0.30
Bhadra khola	7.68	56	62	208	1.2	79	162	$55x10^4$	0.70
Bira khola	7.59	623	558	466	0.0	580	990	$72x10^5$	4.84
Chuping ghat	7.64	508	478	434	0.0	550	924	$68x10^5$	4.52
Kasan khola – Hanumante confluence	7.52	322	346	392	0.0	401	800	$31x10^5$	3.86
Ghattekhola –Hanumante confluence	7.75	300	282	380	0.0	342	550	$47x10^5$	3.48
Godavari khola+Hanumante confluence	7.61	309	330	472	0.0	504	830	$69x10^5$	4.36
Manohara +Hanumante confluence	7.57	410	386	463	0.0	360	530	$28x10^5$	3.34
Acceptable limit	**6.5-8.5**	**<10 NTU**	**<50 mg/l**	**<1000mg/l**	**5-9 mg/l**	**≤3 mg/l**	**≤ 25mg/l**	**<200 CFU/100 ml**	**< 0.1 mg/l**