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 Magh 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
2082.10.18 (01.2.2026)	Sundarijal	7.20	3	8	40	9.6	6	12	120	0.18
	Gokarna	7.45	44	50	184	8.7	36	54	$48x10^3$	0.62
	Jorpati	7.64	255	262	242	3.1	108	184	$96x10^4$	1.46
	Guheswori	7.44	153	140	190	0.5	115	166	$68x10^4$	1.52
	Aryaghat	7.32	122	110	168	0.6	90	153	$20x10^4$	1.24
2082.10.19 (02.02.2026)	Minbhavan	7.40	322	292	386	0.0	337	502	$19x10^5$	2.86
	Manohara and Bagmati Confluence	7.51	400	364	402	0.0	363	530	$28x10^5$	3.14
	Thapathali	7.46	311	296	422	0.0	373	592	$31x10^5$	3.24
	Bagmati and Bishnumati confluence	7.48	295	316	474	0.0	494	750	$34x10^5$	4.12
	Sundarighat	7.62	360	378	430	0.00	459	712	$41x10^5$	3.96
	Chovar	7.55	336	342	442	2.20	476	694	$33x10^5$	4.02
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: 2082.10.22 (05.02.2026)

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	7.81	10	12	134	7.7	28	42	$38x10^2$	0.42
Ekatabasti	7.46	302	272	376	0.0	446	596	$48x10^5$	4.23
Gopikrishna	7.62	510	486	647	0.0	556	932	$77x10^5$	6.14
Ratopul	7.54	550	512	599	0.0	673	990	$83x10^5$	7.02
Buddhanagar	7.47	392	376	412	0.0	480	671	$62x10^5$	4.62
Dhobikhola and Bagmati confluence	7.50	342	310	386	0.0	418	652	$41x10^5$	4.16
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: 2082.10.27 (10.02.2026)

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	7.66	25	30	138	6.1	39	66	$34x10^2$	0.62
Tokha	7.54	510	488	476	0.0	659	1006	$58x10^5$	6.24
Mahadev khola	7.47	633	590	582	0.0	697	1118	$79x10^5$	7.12
Mahadev khola and Bishnumati confluence	7.36	543	512	554	0.0	655	1062	$64x10^5$	6.08
Khusibu	7.64	474	492	512	0.0	681	1081	$60x10^5$	6.78
Teku	7.72	508	514	480	0.0	653	997	$71x10^5$	5.92
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: 2082.10.25(08.02.2026)

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	7.92	128	114	164	8.8	21	38	$40x10^2$	0.38
Kantipur colony	8.04	120	96	148	8.1	30	54	$38x10^2$	0.42
Ranibu bridge	7.82	84	78	152	7.8	47	63	$51x10^2$	0.52
Confluence of Bagmati and Nakkhu	7.56	299	312	375	0.0	471	710	$96x10^4$	4.46
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: 2082.10.19(02.02.2026)

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	7.62	495	522	510	0.0	676	987	$71x10^5$	6.68
Kalmochan ghat	7.70	569	554	524	0.0	698	1025	$78x10^5$	6.82
Tukucha and Bagmati confluene	7.58	403	424	456	0.0	637	953	$51x10^5$	6.42
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: 2082.10.29(12.02.2026)

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	7.20	19	22	148	9.2	23	46	$12x10^2$	0.42
Bramayani ghat	7.46	24	28	162	8.7	36	52	$21x10^2$	0.53
Bhadra khola	7.52	58	70	198	3.2	97	164	$34x10^3$	1.14
Bira khola	7.38	617	576	424	0.0	642	934	$59x10^5$	6.44
Chuping ghat	7.42	397	372	364	0.0	614	910	$53x10^5$	5.78
Kasan khola – Hanumante confluence	7.36	249	264	412	0.0	451	758	$43x10^5$	4.02
Ghattekhola –Hanumante confluence	7.51	291	302	391	0.0	590	845	$47x10^5$	6.34
Godavari khola+Hanumante confluence	7.50	287	276	480	0.0	576	907	$51x10^5$	5.86
Manohara +Hanumante confluence	7.48	329	314	514	0.0	601	932	$55x10^5$	5.94
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**