

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 Falgun 2081

Bagmati River

Sampling date	Sampling site	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
2081.11.13 (25.02.2025)	Sundarijal	8.13	3	16	75	9.2	6	25	15x10 ¹	0.03
	Gokarna	7.49	65	67	208	3.2	55	86	20x10 ³	0.85
	Jorpati	7.50	173	171	345	1.5	101	162	48x10 ⁴	1.54
	Guheswori	7.41	103	100	384	0.6	106	177	72x10 ⁴	1.78
	Aryaghat	7.67	59	68	246	0.0	79	130	29x10 ⁴	1.1
2081.11.18 (02.03.2025)	Minbhavan	7.42	153	211	293	0.0	228	390	91x10 ⁴	2.04
	Manohara and Bagmati Conflumce	7.39	140	182	328	0.0	237	410	18x10 ⁵	2.32
	Thapathali	7.33	137	209	348	0.0	240	370	21x10 ⁵	2.57
	Bagmati and Bishnumati confluence	7.36	145	224	289	0.0	291	490	33x10 ⁵	2.64
	Sundarighat	7.44	175	256	334	0.0	345	520	25x10 ⁵	3.05
	Chovar	7.46	164	205	359	0.0	342	490	20x10 ⁵	3.18

Dhobikhola

Sampling date: 2081.11.20 (04.03.2025)

Sampling site	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	7.77	8	22	92	8.6	19	42	17x10 ²	0.18
Yakatabasti	7.65	111	158	234	0.0	146	290	79x10 ⁴	1.88
Gopikrishna	7.44	320	364	456	0.0	462	699	82x10 ⁵	6.23
Ratopul	7.48	313	470	510	0.0	450	907	90x10 ⁵	6.84
Buddhanagar	7.53	248	359	441	0.0	395	590	64x10 ⁵	5.27
Dhobikhola and Bagmati confluence	7.55	108	244	392	0.0	216	330	41x10 ⁵	4.32

Bishnumati

Sampling date: 2081.11.25 (09.03.2025)

Sampling site	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	7.87	6	18	88	5.2	7	30	50x10 ²	0.13
Tokha	7.62	191	256	378	0.0	592	880	53x10 ⁵	4.45
Mahadev khola	7.54	462	510	514	0.0	495	1092	48x10 ⁵	5.64
Mahadev khola and Bishnumati confluence	7.51	306	428	412	0.0	333	510	31x10 ⁵	4.12
Khusibu	7.47	339	440	488	0.0	386	744	66x10 ⁵	4.72
Teku	7.44	296	424	559	0.0	429	810	72x10 ⁵	4.48

Nakkhu

Sampling date: 2081.11.22 (06.03.2025)

Sampling site	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	110	120	186	8.6	8	22	72x10 ¹	0.21
Kantipur colony	8.16	60	82	152	8.9	5	18	84x10 ¹	0.10
Ranibu bridge	8.19	77	56	204	8.0	23	52	90x10 ¹	0.32
Confluence of Bagmati and Nakkhu	7.53	187	220	338	0.0	237	385	79x10 ⁴	3.14

Tukucha

Sampling date 2081.11.18 (02.03.2025)

Sampling site	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	7.37	311	372	424	0.0	410	622	81x10 ⁵	4.72
Kalmochan ghat	7.30	346	380	569	0.0	391	640	68x10 ⁵	4.45
Tukucha and Bagmati confluene	7.53	302	361	395	0.0	331	480	45x10 ⁵	2.97

Hanumante

Sampling date: 2081.11.26 (10.03.2025)

Sampling site	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	8.14	25	35	178	8.6	6	28	64x10 ²	0.19
Bramayani ghat	7.89	37	46	216	4.1	18	54	75x10 ²	0.34
Madhu khola*									
Bira khola	7.52	187	246	328	0.0	209	459	53x10 ⁵	3.24
Chuping ghat	7.27	200	138	446	0.0	352	650	78x10 ⁵	3.98
Khasangkhusung kholaHanumante confluence	7.42	124	191	565	0.0	285	472	31x10 ⁵	3.01
Ghattekhola –Hanumante confluence	7.22	121	107	547	0.0	166	300	28x10 ⁵	3.34
Godavari khola+Hanumante confluence	7.29	110	104	560	0.0	179	290	51x10 ⁵	3.42
Manohara +Hanumante confluence	7.40	128	136	541	0.0	211	412	63x10 ⁵	3.51

* Sampling from this site was not possible because water was not flowing at the time of sampling .