

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 Poush 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
2081.09.16 (31.12.2024)	Sundarijal	8.80	4	9	38	8.6	2	9	47x10 ¹	0.07
	Gokarna	7.71	123	140	138	7.5	23	56	26x10 ⁴	0.51
	Jorpati	7.46	77	92	214	4.8	79	134	31x10 ⁴	1.42
	Guheswori	7.33	67	74	156	2.2	67	105	20x10 ⁴	1.26
	Aryaghat	7.47	38	46	134	3.2	27	50	18x10 ⁴	1.05
2081.09.17 (01.01.2025)	Minbhavan	7.48	85	80	291	0.0	162	270	25x10 ⁵	2.40
	Manohara and Bagmati Conflumce	7.56	131	120	320	0.0	133	220	14x10 ⁵	2.68
	Thapathali	7.38	124	142	306	0.0	124	236	24x10 ⁵	2.56
	Bagmati and Bishnumati confluence	7.42	145	162	354	0.0	184	356	38x10 ⁵	2.72
	Sundarighat	7.51	207	226	412	0.0	293	474	42x10 ⁵	2.84
	Chovar	7.60	268	221	394	0.0	244	382	56x10 ⁵	2.60

Dhobikhola

Sampling date: 2081.09.19 (03.01.2025)

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	8.09	352	332	245	7.4	24	40	26x10 ²	0.85
Yakatabasti	7.72	44	53	158	3.9	63	134	18x10 ⁴	1.45
Gopikrishna	7.69	346	417	462	0.0	550	912	77x10 ⁵	3.64
Ratopul	7.62	303	384	485	0.0	487	710	82x10 ⁵	4.84
Buddhanagar	7.64	183	246	406	0.0	354	564	45x10 ⁵	3.02
Dhobikhola and Bagmati confluence	7.56	102	120	375	0.0	220	374	89x10 ⁴	2.86

Bishnumati

Sampling date: 2081.09.24 (08.01.2025)

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	8.11	56	66	137	8.1	8	20	78x10 ¹	0.27
Tokha	7.64	268	290	383	0.0	202	376	61x10 ⁵	2.78
Mahadev khola	7.52	294	213	467	0.0	333	610	81x10 ⁵	3.12
Mahadev khola and Bishnumati confluence	7.57	284	200	380	0.0	315	550	43x10 ⁵	2.94
Khusibu	7.51	337	310	442	0.0	324	583	73x10 ⁵	3.11
Teku	7.48	376	318	413	0.0	406	750	86x10 ⁵	3.24

Nakkhu

Sampling date: 2081.09.22 (06.01.2025)

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	8.09	236	278	140	8.7	4	13	19x10 ²	0.22
Kantipur colony	7.89	140	174	154	8.8	15	32	22x10 ²	0.34
Ranibu bridge	7.85	126	146	182	8.5	19	44	44x10 ²	0.64
Confluence of Bagmati and Nakkhu	7.69	180	212	232	0.0	167	284	20x10 ⁴	1.86

Tukucha

Sampling date: 2081.09.17 (01.01.2025)

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	7.68	285	324	464	0.0	412	780	53x10 ⁵	3.90
Kalmochan ghat	7.56	265	360	503	0.0	366	578	61x10 ⁵	3.83
Tukucha and Bagmati confluence	7.42	199	280	431	0.0	270	500	24x10 ⁵	3.36

Hanumante

Sampling date: 2081.09.28 (12.01.2025)

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	7.93	29	41	88	8.2	2	10	50x10 ²	0.33
Bramayani ghat	7.79	74	64	12	8.3	6	15	38x10 ²	0.46
Madhu khola	7.72	31	24	274	2.7	50	94	23x10 ³	1.06
Bira khola	7.34	320	288	322	0.0	304	490	66x10 ⁵	3.13
Chuping ghat	7.46	203	242	386	0.0	268	422	32x10 ⁵	2.72
Khasangkhusung kholaHanumante confluence	7.5	93	134	428	0.0	187	324	16x10 ⁵	2.36
Ghattekhola –Hanumante confluence	7.52	126	148	422	0.0	213	410	39x10 ⁵	2.28
Godavari khola+Hanumante confluence	7.35	142	140	469	0.0	151	290	41x10 ⁵	2.66
Manohara +Hanumante confluence	7.53	229	246	429	0.0	240	380	59x10 ⁵	2.82