

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 Kartik 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
2081.07.08 (24.10.2024)	Sundarijal	7.20	6	13	26	7.9	4	10	32x10 ¹	0.05
	Gokarna	7.30	15	22	88	7.8	12	28	78x10 ²	0.13
	Jorpati	7.68	28	32	118	6.1	42	74	15x10 ³	0.18
	Guheswori	7.63	27	38	130	3.1	39	62	28x10 ³	0.23
	Aryaghat	7.44	38	42	112	2.7	29	54	20x10 ³	0.20
2081.07.09 (25.10.2024)	Minbhavan	7.45	65	78	210	0.4	55	92	83x10 ³	0.75
	Manohara and Bagmati Conflumce	7.48	67	83	178	0.2	52	84	74x10 ³	0.68
	Thapathali	7.53	75	88	230	1.2	60	112	58x10 ³	0.88
	Bagmati and Bishnumati confluence	7.50	83	92	186	0.2	48	90	79x10 ³	0.72
	Sundarighat	7.62	132	120	234	0.0	110	180	18x10 ⁴	1.21
	Chovar	7.47	194	174	258	0.5	76	132	54x10 ³	1.01

Dhobikhola

Sampling date: 2081.07.25 (10.11.2024)

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	7.94	7	18	41	6.6	7	18	88x10 ¹	0.11
Yakatabasti	7.69	19	38	162	4.8	17	40	23x10 ³	0.32
Gopikrishna	7.36	139	162	236	0.0	336	488	71x10 ⁴	2.02
Ratopul	7.49	197	214	281	0.0	278	440	66x10 ⁴	1.86
Buddhanagar	7.55	163	156	278	0.0	286	424	42x10 ⁴	1.64
Dhobikhola and Bagmati confluence	7.50	73	110	234	0.0	121	230	22x10 ⁴	0.90

Bishnumati

Sampling date: 2081.07.11 (27.10.2024)

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	7.89	8	14	38	8.3	6	14	46x10 ¹	0.06
Tokha	7.38	235	218	234	1.4	69	125	87x10 ³	0.58
Mahadev khola	7.44	186	200	264	0.7	189	350	22x10 ⁴	1.42
Mahadev khola and Bishnumati confluence	7.52	220	182	168	0.5	100	168	70x10 ³	0.78
Khusibu	7.47	211	196	255	0.0	152	290	32x10 ⁴	1.24
Teku	7.40	228	210	302	0.0	191	338	41x10 ⁴	1.66

Nakkhu

Sampling date: 2081.07.27 (12.11.2024)

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	8.25	817	740	132	7.9	5	13	18x10 ¹	0.14
Kantipur colony	8.71	795	758	120	8.1	10	18	26x10 ¹	0.11
Ranibu bridge	8.15	644	700	164	4.7	12	22	42x10 ²	0.18
Confluence of Bagmati and Nakkhu	7.83	260	192	220	1.6	99	220	57x10 ³	0.64

Tukucha

Sampling date: 2081.07.09 (25.10.2024)

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	7.62	229	188	388	0.0	252	392	78x10 ⁴	1.80
Kalmochan ghat	7.50	171	155	350	0.0	175	310	36x10 ⁴	1.64
Tukucha and Bagmati confluence	7.55	167	146	218	0.0	81	154	18x10 ⁴	1.02

Hanumante

Sampling date: 2081.07.29 (14.11.2024)

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	7.42	9	20	58	6.8	5	11	33x10 ¹	0.16
Bramayani ghat	7.51	28	32	44	5.4	10	23	69x10 ¹	0.14
Madhu khola	7.63	38	46	82	3.2	14	32	88x10 ²	0.28
Bira khola	7.55	40	52	118	2.4	42	68	33x10 ³	0.44
Chuping ghat	7.46	95	88	178	0.4	116	174	27x10 ⁴	1.44
Khasangkhusung kholaHanumante confluence	7.59	79	66	220	0.6	110	162	31x10 ⁴	1.62
Ghattekhola –Hanumante confluence	7.36	67	74	260	0.0	124	192	39x10 ⁴	1.24
Godavari khola+Hanumante confluence	7.44	87	94	252	0.0	178	266	57x10 ⁴	1.78
Manohara +Hanumante confluence	7.52	83	90	248	0.0	181	310	64x10 ⁴	1.64