

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 Mangsir 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
2081.08.25 (10.12.2024)	Sundarijal	7.88	7	13	53	8.50	5	10	34x10 ¹	0.05
	Gokarna	7.46	127	174	186	8.00	22	53	62x10 ³	0.21
	Jorpati	7.32	276	224	175	4.70	90	164	17x10 ⁴	0.42
	Guheswori	7.28	78	86	168	1.80	82	172	88x10 ³	0.64
	Aryaghat	7.30	66	73	154	2.10	60	110	66x10 ³	0.52
2081.08.27 (12.12.2024)	Minbhavan	7.50	98	112	210	0.00	104	190	34x10 ⁴	1.59
	Manohara and Bagmati Confluence	7.77	100	108	256	0.00	191	350	68x10 ⁴	1.73
	Thapathali	7.64	103	121	280	0.00	80	151	22x10 ⁴	1.42
	Bagmati and Bishnumati confluence	7.56	105	118	268	0.00	99	204	36x10 ⁴	1.58
	Sundarighat	7.66	142	156	312	0.00	84	160	39x10 ⁴	1.52
	Chovar	7.51	137	148	366	0.00	92	174	41x10 ⁴	1.50

Dhobhikhola

Sampling date: 2081.08.20 (05.12.2024)

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	8.06	20	14	129	8.9	7	16	51x10 ¹	0.09
Yakatabasti	7.98	28	19	190	4.4	29	68	24x10 ³	0.44
Gopikrishna	7.62	285	380	408	0.0	330	542	72x10 ⁵	3.70
Ratopul	7.70	360	416	414	0.0	431	680	81x10 ⁵	3.10
Buddhanagar	7.64	204	195	371	0.0	296	504	21x10 ⁵	2.36
Dhobhikhola and Bagmati confluence	7.59	107	154	287	0.0	148	250	73x10 ⁴	1.76

Bishnumati

Sampling date: 2081.08.26 (11.12.2024)

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	6	17	82	8.2	6	13	53x10 ¹	0.06
Tokha	7.62	148	210	370	0.0	166	283	87x10 ⁴	1.20
Mahadev khola	7.48	283	318	407	0.0	135	226	71x10 ⁴	1.68
Mahadev khola and Bishnumati confluence	7.36	211	186	300	0.0	110	230	65x10 ⁴	1.52
Khusibu	7.54	237	254	364	0.0	268	446	22x10 ⁵	2.84
Teku	7.51	246	297	382	0.0	224	410	30x10 ⁵	3.36

Nakkhu

Sampling date: 2081.08.24 (09.12.2024)

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	8.10	168	204	126	8.7	14	38	72x10 ¹	0.07
Kantipur colony	8.06	108	168	142	8.6	6	17	68x10 ¹	0.06
Ranibu bridge	7.78	85	110	134	8.4	25	44	81x10 ¹	0.11
Confluence of Bagmati and Nakkhu	7.46	140	105	260	0.0	120	200	27x10 ⁴	1.02

Tukucha

Sampling date: 2081.08.27 (12.12.2024)

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	7.50	210	268	478	0.0	350	588	31x10 ⁵	3.62
Kalmochan ghat	7.68	181	289	552	0.0	280	454	28x10 ⁵	3.24
Tukucha and Bagmati confluence	7.56	132	181	343	0.0	160	280	49x10 ⁴	2.02

Hanumante

Sampling date: 2081.08.28 (13.12.2024)

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	7.84	37	44	76	8.1	7	21	61x10 ¹	0.11
Bramayani ghat	8.06	11	20	91	8.6	5	18	72x10 ¹	0.08
Madhu khola	7.55	24	60	278	5.4	24	50	33x10 ³	0.76
Bira khola	7.68	200	146	264	0.0	99	174	62x10 ⁴	1.86
Chuping ghat	7.48	159	164	281	0.0	241	390	87x10 ⁴	2.02
Kasan khola – Hanumante confluence	7.66	85	103	228	0.0	111	212	54x10 ⁴	1.64
Ghattekhol – Hanumante confluence	7.80	105	110	290	0.0	175	294	49x10 ⁴	1.56
Godavari khola+Hanumante confluence	7.44	113	128	256	0.0	180	320	77x10 ⁴	1.77
Manohara +Hanumante confluence	7.50	120	142	298	0.0	216	380	81x10 ⁴	1.80