

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 Bhadra 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
2081.05.13 (29.08.2024)	Sundarijal	6.90	7	13	21	8.9	3	11	50x10 ¹	0.13
	Gokarna	7.34	28	41	90	8.1	11	28	52x10 ³	0.24
	Jorpati	7.28	60	56	118	7.9	13	30	35x10 ⁴	0.32
	Guheswori	7.44	85	135	103	4.8	33	52	27x10 ⁴	0.38
	Aryaghat	7.36	42	53	110	6.1	20	44	38x10 ⁴	0.28
2081.05.17 (02.09.2024)	Minbhavan	7.48	66	60	101	5.4	36	70	81x10 ⁴	0.36
	Manohara and Bagmati Conflumce	7.64	80	75	128	4.4	42	79	79x10 ⁵	0.42
	Thapathali	7.41	74	81	199	4.1	48	86	48x10 ⁴	0.54
	Bagmati and Bishnumati confluence	7.26	84	91	168	3.7	45	80	52x10 ⁴	0.49
	Sundarighat	7.64	87	80	212	1.5	74	120	76x10 ⁴	0.92
	Chovar	7.42	78	74	200	4.6	50	98	64x10 ⁴	0.74

Dhobikhola

Sampling date: 2081.05.18 (03.09.2024)

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	7.08	42	35	78	8.7	7	22	49x10 ¹	0.20
Yakatabasti	7.41	79	71	122	6.7	23	38	51x10 ³	0.42
Gopikrishna	7.46	121	114	173	3.7	67	104	27x10 ⁵	1.02
Ratopul	7.51	162	186	202	2.6	65	112	33x10 ⁵	0.89
Buddhanagar	7.66	195	208	183	2.1	70	128	85x10 ⁴	1.12
Dhobikhola and Bagmati confluence	7.32	254	242	228	2.4	59	96	43x10 ⁴	0.64

Bishnumati

Sampling date: 2081.05.24 (09.09.2024)

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	6.97	11	20	46	8.3	4	15	78x10 ¹	0.18
Tokha	7.24	41	64	176	4.0	51	85	82x10 ⁴	0.56
Mahadev khola	7.56	103	85	216	1.9	60	110	66x10 ⁴	0.58
Mahadev khola and Bishnumati confluence	7.24	128	110	182	2.7	40	72	32x10 ⁴	0.42
Khusibu	7.34	101	128	218	0.0	63	118	38x10 ⁴	1.02
Teku	7.41	96	134	256	0.0	69	124	44x10 ⁴	0.86

Nakkhu

Sampling date: 2081.05.23 (08.09.2024)

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	7.80	44	55	150	7.9	6	18	58x10 ¹	0.21
Kantipur colony	7.64	60	50	154	7.6	7	20	62x10 ¹	0.23
Ranibu bridge	7.44	33	43	166	7.0	10	31	21x10 ²	0.31
Confluence of Bagmati and Nakkhu	7.28	70	82	210	4.5	32	56	21x10 ³	0.46

Tukucha

Sampling date: 2081.05.17 (02.09.2024)

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	7.45	93	89	390	0.3	136	240	25x10 ⁵	1.23
Kalmochan ghat	7.62	81	75	318	0.4	128	232	31x10 ⁵	1.05
Tukucha and Bagmati confluene	7.55	74	63	264	1.8	92	155	47x10 ⁴	0.82

Hanumante

Sampling date: 2081.05.27 (12.09.2024)

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	7.23	29	22	114	6.5	4	10	23x10 ¹	0.21
Bramayani ghat	7.16	21	18	121	7.5	6	14	72x10 ¹	0.24
Madhu khola	7.41	20	16	136	3.7	27	43	80x10 ¹	0.34
Bira khola	7.36	30	38	146	3.5	34	58	21x10 ²	0.44
Chuping ghat	7.24	43	55	184	1.4	35	61	53x10 ³	0.49
Kasan khola – Hanumante confluence	7.54	46	39	267	0.0	71	121	30x10 ⁴	0.66
Ghattekholā –Hanumante confluence	7.42	47	51	214	1.2	58	109	76x10 ³	0.6
Godavari khola+Hanumante confluence	7.33	68	77	221	1.1	43	69	28x10 ³	0.51
Manohara +Hanumante confluence	7.3	56	76	275	0.6	31	53	31x10 ³	0.38