

WATER QUALITY CHARACTERISTICS OF RIVER SUSWA D/S MOTHRAWALA, DEHRADUN

Month	pH	BOD mg/L	COD mg/L	Total Coliform (MPN/100 mL)	Temp °C	DO mg/L	Alkalinity CaCO ₃ mg/L	Chlorides mg/L	Calcium as Cl mg/L	Magnesium as Mg mg/L	Hardness as CaCO ₃ mg/L	TDS mg/L
2018												
Jan-18	7.84	32	156	>1600	16	2.8	344	32	220	180	400	472
Feb-18	7.91	36	172	>1600	16	2.2	328	30	220	160	380	438
Mar-18	7.88	34	134	>1600	19	2.4	320	35	250	120	370	452
Apr-18	7.82	36	142	>1600	19	2.2	322	35	260	130	390	460
May-18	7.79	32	128	>1600	20	2	298	30	256	120	376	428
Jun-18	7.82	34	132	>1600	20	2.4	312	35	258	110	368	448
Jul-18	7.66	32	128	>1600	20	3	290	30	244	136	380	432
Aug-18	7.86	34	118	>1600	20	2.6	260	34	186	92	278	398
Sep-18	7.82	32	110	>1600	20	2.4	254	32	168	100	268	405
Oct-18	7.81	34	128	>1600	19	2.6	270	30	200	148	348	417
Nov-18	8.15	32	136	>1600	18	2	264	35	184	134	318	380
Dec-18	8.21	30	124	>1600	18	2.4	260	30	180	130	310	344
Average	7.88	33.17	134.00		18.75	2.42	293.50	32.33	218.83	130.00	348.83	422.83
Min-Max	7.66-8.21	30-36	110-172		16-20	2-3	254-344	30-35	168-260	92-180	268-400	344-472
2019												
Jan-19	8.15	26	86	>1600	18	2.8	240	25	164	126	290	328
Feb-19	7.85	28	110	>1600	18	3	280	27	200	140	340	390
March-19	7.52	1	4	170	20	9.4	86	7	48	44	92	136
April-19	7.84	28	112	>1600	19	3	260	24	196	124	320	372