

Analysis results of Surface water monitoring under NWMP for the month of September, 2017

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) ^o C	DO mg/l	Cond μ s/Cm	TD S mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Alk n mg/l	P.Alk n mg/l	TH mg/l	Ca mg/l	Mg mg/l	Cl mg/l	SO ₄ Mg/l	NO ₃ -N mg/l	F mg/l	PO ₄ as P mg/l	AmnN mg/l	TKN mg/l	T.Coli MPN/100ml	FColi MPN/100ml	Na mg/l	K mg/l	Boro n mg/l	WQI	DBU
1	River Satluj, U/S Nangal	1017	7.76	28/18	7.9	206	132	121	4.2	BDL	8	4.0	38	BDL	42	9.6	4.32	14	10	0.4	0.5	0.8	0.8	1.4	450	200	17	4.2	BDL	S	B
2	River Satluj D/S NFL	1380	7.74	30/19	7.7	254	164	148	5.6	BDL	14	4.6	42	BDL	54	12.8	5.28	22	14	0.6	0.7	1.0	1.2	2.4	610	400	24	5.8	BDL	S	C
3	100m D/s PACL Nangal	2915	7.80	30/19	7.6	266	170	150	6.2	BDL	16	5.0	54	BDL	56	14.4	4.8	20	12	1.0	0.8	1.2	1.2	2.6	680	450	22	6.2	0.10	S	C
4	River Satluj D/s Nangal	1018	7.84	28/18	7.8	244	156	140	5.8	BDL	14	4.4	40	BDL	48	11.2	4.8	16	10	0.8	0.6	1.0	1.0	1.6	610	370	19	4.0	BDL	S	C
5	River Satluj at Kiratpur Sahib	1814	7.72	31/20	7.6	310	198	184	2.0	BDL	12	5.6	58	BDL	72	16.8	7.2	20	14	1.4	0.5	1.2	0.8	1.2	1400	930	22	5.2	BDL	S	C
6	Ropar Head-Works	1019	7.50	30/19	7.7	278	178	164	1.8	BDL	8	5.2	48	BDL	52	12.8	4.8	18	12	0.8	0.5	0.6	0.8	1.4	1100	680	20	4.0	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.24	30/19	7.6	296	189	174	3.2	BDL	11	8.4	54	BDL	56	13.6	5.20	20	14	1.0	0.7	0.8	0.8	1.4	1300	780	23	4.9	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.52	33/32	6.6	440	265	258	16.0	BDL	18	14	62	BDL	68	16.8	6.32	24	18	0.6	0.4	0.8	0.8	2.0	2600	1700	28	4.8	0.13	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.31	32/32	2.8	1048	630	611	200	50	52	48	132	BDL	156	36.8	15.55	82	68	3.6	1.8	2.4	4.0	8.2	1,10000	70,000	64	14	0.15	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.38	32/30	6.0	648	392	380	28	5.0	36	28	94	BDL	90	23.2	7.78	40	28	2.0	1.0	1.6	1.8	2.8	58,000	31,000	48	10	0.13	N	D
11	Satluj at D/s east Bein	1381	7.2	33/22	BDL	460	280	196	56	10	108	24	96	BDL	136	35	11.6	40	32	1.2	0.20	0.38	6.0	9.8	3500	1700	45	5.1	0.16	N	E
12	Satluj at harike	1022	7.3	34/22	4.0	280	183	136	26	3.2	66	18	88	BDL	116	32	8.7	20	18	1.1	0.16	0.16	0.6	1.2	1700	940	28	2.9	BDL	N	D
13	Harike Lake D/S from canal	1382	7.5	34/20	7.0	234	152	120	20	2.2	45	10	72	BDL	104	26	9.7	14	10	0.8	0.18	0.12	0.6	1.0	630	330	22	2.1	0.14	S	C
14	D/S Harike	1297	7.4	33/23	7.2	264	164	132	20	2.3	22	06	76	BDL	100	27	7.7	16	12	0.4	0.10	0.13	0.9	1.5	460	210	23	2.4	BDL	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	7.41	34/28	7.2	271	169	155	8	BDL	10	7	56	BDL	52	12.8	4.86	22	15	0.6	0.6	0.8	1.0	1.8	930	450	18	5	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.35	33/29	7.0	280	178	170	10	BDL	11	8	62	BDL	56	12	6.32	26	16	0.8	0.6	1.0	1.0	2.0	1000	610	19	5	BDL	S	C

Note. 1. BDL means Below Method Detection Limit

2. WQI means Water Quality Index (S means Satisfactory, N means not Satisfactory).

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17	Beas at Talwara H/W	1693	7.2	33/24	7.5	168	102	88	10	BDL	24	06	52	BDL	56	10	7.7	10	12	0.8	BDL	BDL	BDL	BDL	70	46	18	2.8	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.6	33/22	7.3	248	154	126	16	1.0	60	10	68	BDL	88	19	9.7	12	12	0.6	0.12	BDL	BDL	BDL	110	79	27	3.1	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.2	34/23	6.5	270	151	130	18	1.8	42	08	60	BDL	112	30	8.7	10	14	1.2	0.5	0.14	0.2	0.4	350	170	16	1.9	BDL	S	B
20	U/S Pathankot	1694	7.0	34/23	7.2	208	127	104	06	BDL	28	04	52	BDL	80	18	8.7	12	10	1.0	BDL	BDL	BDL	BDL	110	70	17	2.0	BDL	S	B
21	D/S Pathankot	1695	7.2	34/24	7.3	232	142	119	10	BDL	32	06	64	BDL	84	24	5.8	14	14	0.8	BDL	BDL	BDL	BDL	130	79	21	2.4	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.4	33/22	7.4	240	148	124	12	1.3	26	04	72	BDL	104	26	9.7	12	12	1.0	0.10	0.08	BDL	BDL	280	140	26	2.6	0.14	S	B
23	U/s Goindwal	1696	7.1	34/25	7.3	248	150	126	10	1.0	34	07	68	BDL	108	30	7.7	12	12	1.4	0.09	0.10	BDL	BDL	170	94	24	2.3	BDL	S	B
24	D/s Goindwal	1012	7.2	34/24	7.1	256	162	132	14	1.3	47	10	60	BDL	112	30	8.7	14	14	0.8	0.10	0.11	BDL	BDL	210	110	28	2.6	0.16	S	B
25	Beas at Harike	1697	7.1	33/23	7.6	238	152	125	16	1.4	20	05	72	BDL	120	32	9.7	14	14	1.0	0.14	0.09	BDL	BDL	220	110	16	1.9	0.12	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.3	34/22	8.1	160	102	88	10	0.8	20	06	52	BDL	68	16	6.8	10	14	0.8	BDL	BDL	BDL	BDL	70	46	13	2.0	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	8.2	35/32	6.0	334	204	173	28	4.6	834	1200	96	BDL	182	54	11	15	30	0.6	0.12	0.17	1.8	2.7	17000	3300	9	4	BDL	N	D
28	Ghaggar at Bhankarpur	1295	7.9	34/31	4.8	472	288	227	36	6.2	1095	1400	130	BDL	228	60	19	34	38	2.1	0.19	0.81	5.5	7.2	28000	4000	28	7	BDL	N	D
29	Ghaggar at Chattbir	1698	7.8	33/30	4.6	368	225	180	35	6.0	242	340	100	BDL	202	59	13	18	36	1.1	0.14	0.48	3.4	4.6	24000	3400	12	5	BDL	N	D
30	U/s Jharmal Nadi	1702	7.9	36/32	4.1	374	232	184	27	5.0	291	280	111	BDL	195	56	13	20	34	1.3	0.16	0.90	1.5	1.9	22000	3200	13	5	BDL	N	D
31	D/s Jharmal Nadi	1701	7.7	33/30	3.7	538	330	264	44	9.0	443	700	138	BDL	230	68	15	37	47	1.8	0.20	1.09	2.9	3.6	28000	4300	39	7	0.19	N	E
32	U/s Dhakanshu Nallah	1699	7.3	32/30	4.2	442	274	216	20	4.0	439	650	77	BDL	192	60	10	36	45	1.0	0.17	0.44	1.0	1.6	14000	2100	44	8	0.14	N	D
33	D/s Dhakanshu Nallah	1700	7.4	31/29	4.0	533	331	258	33	6.0	346	550	136	BDL	203	61	12	40	51	1.6	0.19	0.73	1.2	2.1	21000	2700	45	8	0.18	N	D
34	Ghaggar at Rattanheri	1473	7.3	31/26	4.1	466	280	218	28	6.1	251	280	121	BDL	145	46	7	34	31	1.1	0.24	1.21	1.2	1.6	22000	3100	49	7	0.18	N	D
35	Ghaggar at Khanauri	1024	7.6	32/26	4.0	337	209	163	34	7.0	332	400	86	BDL	127	43	5	23	15	1.0	0.21	0.70	1.1	1.5	24000	3300	35	7	0.15	N	D
36	Ghaggar at Moonak	1703	7.5	34/27	4.2	306	187	158	31	7.0	185	300	50	BDL	131	41	7	21	26	0.8	0.19	0.87	2.0	2.6	17000	2000	36	8	0.17	N	D
37	U/s Sardulgarh	1705	7.6	36/32	4.3	316	199	169	24	4.0	242	360	84	BDL	125	33	10	24	20	0.9	0.20	0.42	1.6	2.1	11000	1400	32	7	0.16	N	D
38	D/s Sardulgarh	1704	7.7	34/30	4.1	351	218	180	28	5.0	259	400	92	BDL	132	38	9	28	26	1.1	0.26	0.62	1.9	2.4	13000	1500	33	7	0.15	N	D

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