

Analysis results of Surface water monitoring under NWMP for the month of August, 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.Alkn mg/l	P.Al kn 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	7.80	30/18	8.0	258	140	122	4.0	BDL	10	4.4	40	BDL	60	16	4.8	16	12	0.6	0.4	0.4	1.0	2.4	390	210	13	2.2	BDL	S	B
2	River Satluj D/S NFL	1380	7.78	30/20	7.8	288	175	151	5.3	BDL	12	5.0	50	BDL	74	18.4	6.72	26	16	0.8	0.6	1.2	1.2	3.2	460	230	18	3.6	BDL	S	B
3	100m D/s PACL Nangal	2915	7.9	30/20	7.8	294	180	168	7.2	BDL	16	6.4	64	BDL	72	18.4	6.32	22	16	1.0	0.6	1.2	1.0	1.8	470	320	20	4.2	0.11	S	B
4	River Satluj D/s Nangal	1018	7.87	31/19	7.8	298	180	153	5.3	BDL	12	6.0	50	BDL	70	18	6.0	30	18	0.6	0.6	0.8	0.8	2.6	430	230	17	3.4	BDL	S	B
5	River Satluj at Kiratpur Sahib	1814	7.76	29/21	7.5	318	191	180	1.9	BDL	7	6.0	60	BDL	60	18	3.7	30	22	1.8	0.6	1.6	0.8	3.0	1400	780	21	4.0	BDL	S	C
6	Ropar Head-Works	1019	7.40	28/22	7.8	279	172	161	1.8	BDL	6	4.0	50	BDL	50	14	3.7	18	12	0.6	0.6	0.4	1.0	3.2	1200	680	19	3.0	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.35	28/22	7.6	293	181	169	4.6	BDL	10	9.0	55	BDL	55	14	4.9	19	14	0.8	0.4	0.6	0.8	2.8	1200	610	24	4.0	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.62	33/34	5.6	452	290	272	12.0	BDL	14	9.0	68	BDL	100	23.2	10.0	28	20	0.8	0.6	0.9	1.0	2.4	2400	1700	29	5.0	0.10	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.50	34/35	2.4	1478	946	912	220	63	78	42.0	204	BDL	220	52.8	21.12	92	56	2.6	2.0	2.4	5.0	7.6	1,20000	84000	62	12	0.14	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.8	30/28	6.2	588	380	356	16	BDL	30	22.0	96	BDL	104	25.6	9.72	44	30	1.4	1.0	1.6	1.6	2.4	63000	33000	46	10.2	0.10	N	D
11	Satluj at D/s east Bein	1381	7.0	33/21	2.0	412	247	143	36	08	108	22	100	BDL	132	32	12.6	28	22	1.4	0.3	0.28	2.2	3.5	1100	700	39	4.8	0.12	N	E
12	Satluj at harike	1022	7.2	33/21	6.4	272	170	135	20	2.9	120	26	86	BDL	112	29	9.7	16	14	1.2	0.14	0.12	0.8	1.4	630	330	25	2.2	BDL	S	C
13	Harike Lake D/S from canal	1382	7.4	33/22	6.9	242	168	123	16	1.8	148	30	76	BDL	108	27	9.7	12	12	1.0	0.16	0.10	0.5	0.8	580	250	21	2.0	0.10	S	C
14	D/S Harike	1297	7.6	34/22	7.1	258	165	130	18	1.7	156	36	74	BDL	96	24	8.7	18	14	0.6	0.12	0.11	0.8	1.0	460	210	22	2.0	BDL	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	8.0	31/28	7.6	252	160	150	8.0	BDL	11	10.0	60	BDL	52	12	5.35	18	14	0.8	0.6	1.0	0.8	1.6	830	400	19	3.8	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.96	31/29	7.2	262	170	161	10.0	BDL	14	11.0	62	BDL	58	13.6	5.83	20	16	0.8	0.6	1.2	1.0	1.6	930	450	23	4.0	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	7.0	34/24	7.6	172	120	102	08	BDL	112	14	56	BDL	60	14	5.8	12	12	0.6	BDL	BDL	BDL	BDL	70	46	22	1.7	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.4	34/23	7.4	253	152	121	14	1.0	112	18	64	BDL	92	21	9.7	14	10	0.8	0.11	0.08	BDL	BDL	110	70	31	2.5	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.3	33/22	6.4	256	154	132	20	1.8	136	20	56	BDL	108	29	8.7	12	12	1.0	0.6	0.10	0.3	0.5	460	210	23	1.9	BDL	S	B
20	U/S Pathankot	1694	7.2	33/22	7.3	216	134	112	08	BDL	128	28	56	BDL	76	18	7.7	10	14	1.2	BDL	BDL	BDL	BDL	110	70	24	1.8	BDL	S	B
21	D/S Pathankot	1695	7.1	33/22	7.2	228	142	121	12	1.0	124	26	60	BDL	80	21	6.8	12	12	0.6	BDL	0.06	BDL	BDL	170	94	21	2.4	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.3	34/23	7.5	232	144	122	12	1.1	148	30	68	BDL	96	24	8.7	10	12	0.8	0.12	0.07	BDL	BDL	220	110	28	1.9	0.10	S	B
23	U/s Goindwal	1696	7.0	34/24	7.4	244	153	129	12	1.2	132	34	64	BDL	104	29	7.7	14	10	1.2	0.10	0.12	BDL	BDL	210	110	26	1.5	BDL	S	B
24	D/s Goindwal	1012	7.3	34/24	7.2	248	160	128	14	1.4	140	30	68	BDL	108	30	7.7	12	12	0.6	0.10	0.10	BDL	BDL	220	110	31	2.5	0.12	S	B
25	Beas at Harike	1697	7.2	33/22	7.7	234	156	130	14	1.2	144	36	66	BDL	116	32	8.7	12	10	0.8	0.12	0.08	BDL	BDL	220	110	16	1.4	0.12	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.2	34/23	8.0	168	105	84	12	1.0	212	38	48	BDL	72	16	7.7	12	12	0.6	BDL	BDL	BDL	BDL	70	46	10	1.1	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	8.0	33/31	5.8	320	211	181	16	3.0	880	1200	134	BDL	169	44	15	12	12	0.4	0.18	0.49	1.1	1.4	28000	6300	21	4	BDL	N	D
28	Ghaggar at Bhanakpur	1295	7.4	34/31	5.0	442	282	240	30	7.0	944	1300	167	BDL	177	54	11	21	28	0.7	0.25	0.58	4.8	6.2	35000	7000	37	6	BDL	N	D
29	Ghaggar at Chattbir	1698	7.5	36/34	5.2	399	256	225	20	4.0	106	220	150	BDL	174	51	11	19	20	0.5	0.20	0.53	4.0	5.4	21000	3200	34	6	BDL	N	D
30	U/s Jharmal Nadi	1702	7.5	29/28	4.1	350	216	281	36	9.0	1621	2400	138	BDL	150	43	11	15	15	1.0	0.22	0.64	1.9	2.6	28000	5800	25	5	BDL	N	D
31	D/s Jharmal Nadi	1701	7.5	30/28	4.0	416	266	228	46	11	1031	1900	142	BDL	167	48	11	23	28	1.3	0.28	0.71	2.2	3.4	33000	6100	39	6	0.17	N	D
32	U/s Dhakanshu Nallah	1699	7.5	32/30	4.2	422	274	236	26	5.0	1182	1700	148	BDL	161	48	10	28	12	0.9	0.28	0.45	2.0	2.6	17000	3100	50	7	0.15	N	D
33	D/s Dhakanshu Nallah	1700	7.4	31/29	4.0	448	292	248	30	6.0	969	1500	165	BDL	179	54	11	30	13	1.0	0.29	0.63	2.2	3.0	24000	3800	51	7	0.16	N	D
34	Ghaggar at Rattanheri	1473	7.8	32/25	4.4	480	306	250	34	8.0	469	850	155	BDL	149	36	15	33	21	0.8	0.42	1.49	1.3	1.8	28000	4700	76	9	0.16	N	D
35	Ghaggar at Khanauri	1024	7.6	34/27	4.3	484	310	257	32	7.0	651	1100	146	BDL	140	35	13	26	39	0.7	0.37	1.09	1.1	1.6	21000	3100	72	12	0.17	N	D
36	Ghaggar at Moonak	1703	7.6	35/26	4.2	410	266	222	28	6.0	591	1200	132	BDL	129	37	9	20	31	0.6	0.35	2.72	1.2	1.7	15000	2600	57	9	0.18	N	D
37	U/s Sardulgarh	1705	7.7	37/32	4.9	440	286	232	20	4.0	1136	2200	128	BDL	139	38	11	21	50	0.7	0.36	0.85	1.0	1.4	12000	1700	58	9	0.14	N	D
38	D/s Sardulgarh	1704	7.8	31/28	4.2	446	290	240	27	6.0	1220	2000	124	BDL	136	37	11	23	52	0.7	0.37	1.35	1.1	1.4	14000	2100	55	9	0.14	N	D

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