

Analysis results of Surface water monitoring under NWMP for the month of December, 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	7.88	22/20	7.8	252	153	149	3.2	BDL	9	3	38	BDL	42	9.6	4.37	14	8	0.4	0.2	0.4	0.6	1.2	240	93	14	3.0	BDL	S	B
2	River Satluj D/S NFL	1380	7.82	22/21	7.4	324	180	166	4.0	BDL	10	4	40	BDL	50	12.8	4.32	18	12	0.6	0.2	0.6	0.8	1.8	340	130	18	4.0	BDL	S	B
3	100m D/s PACL Nangal	2915	7.87	23/22	7.4	338	188	172	4.8	BDL	11	5	45	BDL	54	12.8	5.28	20	16	0.6	0.4	0.8	1.0	2.2	390	170	19.6	4.4	0.16	S	B
4	River Satluj D/s Nangal	1018	7.85	22/19	7.6	268	162	148	3.2	BDL	10	4	40	BDL	50	12	4.86	18	12	0.4	0.2	0.6	0.6	1.4	330	170	18	3.8	BDL	S	B
5	River Satluj at Kiratpur Sahib	1814	8.14	22/20	7.6	284	174	163	2.5	BDL	9	6	55	BDL	65	22	3.68	22	16	0.4	0.4	0.4	0.8	1.8	610	200	24	11	BDL	S	C
6	Ropar Head-Works	1019	8.29	16/16	7.4	323	201	188	3.7	BDL	11	9	65	BDL	75	24	3.68	26	19	0.6	0.4	0.8	1.0	2.4	680	200	31	15	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.95	16/15	7.0	312	214	192	8	BDL	15	5	58	BDL	52	12	5.28	24	12	0.6	0.6	0.8	0.8	1.8	610	200	26	4.2	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.56	23/17	6.2	526	296	282	12	BDL	18	9	70	BDL	75	20	8.4	28	18	0.8	0.6	0.8	1.0	2.2	1300	780	30	7.4	0.13	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.18	23/20	2.4	1733	1109	1061	360	95	104	94	130	BDL	200	48	11.76	105	90	14.0	2.6	3.6	30	44	380000	210000	139	40	0.18	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.62	18/20	3.4	1138	678	654	140	37	48	46	92	BDL	148	38.4	12.64	52	36	3.0	1.2	1.6	5.0	12	110000	49000	62	14	0.16	N	E
11	Satluj at D/s east Bein	1381	7.3	17/13	BDL	680	420	306	60	16	76	16	212	BDL	156	41	11.6	48	42	1.3	0.17	0.42	6.4	10.0	4600	2300	49	5.3	BDL	N	E
12	Satluj at harike	1022	7.0	14/11	4.0	380	214	152	26	3.1	32	08	120	BDL	136	42	7.7	20	18	1.0	0.13	0.18	1.2	1.4	1700	700	33	3.4	BDL	N	D
13	Harike Lake D/S from canal	1382	7.2	17/13	6.8	288	172	128	18	2.0	30	04	84	BDL	120	32	9.7	16	16	1.3	0.10	0.10	0.4	1.2	460	230	26	2.6	0.12	S	B
14	D/S Harike	1297	7.4	17/14	6.7	294	180	140	22	2.2	20	03	96	BDL	116	30	9.7	18	14	1.1	0.12	0.12	0.6	1.4	460	230	29	3.2	0.10	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	7.86	19/22	7.6	333	201	196	8	BDL	22	10	46	BDL	56	13.6	5.35	24	14	0.6	0.6	0.8	1.0	2.0	1000	400	20	6.5	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.79	18/21	7.2	372	225	218	12.8	BDL	28	12	56	BDL	64	15.2	6.32	26	16	0.8	0.8	1.0	1.2	2.4	1100	400	24	6.8	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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S.N.	Point of Sample Collection	Code	pH	Temp. (Air/Water)/°C	DO mg/l	Cond µs/Cm	TDS mg/l	FDS mg/l	COD mg/l	BOD mg/l	TSS mg/l	Turb NTU	T.Aln mg/l	P.Aln 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	B mg/l	WQI	DBU
17	Beas at Talwara H/W	1693	7.1	14/12	8.1	196	120	92	10	BDL	10	02	48	BDL	60	16	4.8	12	10	0.6	BDL	BDL	BDL	BDL	70	46	20	2.9	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.4	17/12	7.6	252	154	132	16	1.2	22	04	72	BDL	84	18	9.7	10	14	1.0	BDL	BDL	BDL	BDL	120	70	31	3.1	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.3	18/13	7.0	268	162	136	22	2.0	38	06	80	BDL	116	32	8.7	18	12	1.4	0.10	0.16	0.5	1.0	280	130	17	2.0	BDL	S	B
20	U/S Pathankot	1694	7.1	17/13	7.7	216	132	114	10	BDL	20	04	56	BDL	88	22	7.7	12	12	1.2	0.13	BDL	BDL	BDL	110	70	20	1.9	BDL	S	B
21	D/S Pathankot	1695	7.0	14/14	7.4	244	146	120	12	BDL	20	05	68	BDL	80	19	7.7	10	10	1.0	0.12	BDL	BDL	BDL	110	70	24	2.3	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.5	15/12	7.1	264	158	130	16	1.3	27	06	84	BDL	104	30	6.8	14	16	1.2	0.12	0.12	BDL	BDL	220	110	24	2.5	BDL	S	B
23	U/s Goindwal	1696	7.2	16/13	7.5	272	164	138	16	1.2	22	04	72	BDL	112	32	7.7	12	10	1.2	0.10	0.14	BDL	BDL	220	110	21	2.0	0.14	S	B
24	D/s Goindwal	1012	7.4	16/12	7.2	276	168	134	18	1.3	24	06	64	BDL	128	34	10.6	12	12	1.2	0.12	0.10	BDL	BDL	280	130	31	3.0	0.11	S	B
25	Beas at Harike	1697	7.1	15/12	7.7	260	162	132	14	1.2	18	03	88	BDL	132	37	9.7	18	16	1.0	0.16	0.16	BDL	BDL	170	79	17	2.1	0.15	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.3	15/12	7.5	172	108	88	14	1.0	10	02	56	BDL	64	16	5.8	12	16	0.8	BDL	BDL	BDL	BDL	70	46	15	1.9	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	8.1	29/22	5.8	437	271	239	24	4.6	1550	2500	113	BDL	226	63	17	22	40	0.31	0.20	0.44	2.4	3.0	21000	2600	33	4.0	BDL	N	D
28	Ghaggar at Bhankarpur	1295	7.6	29/23	2.2	771	470	367	64	12	166	210	249	BDL	283	83	19	55	49	0.56	0.24	1.23	8.6	9.9	24000	3300	62	14	BDL	N	E
29	Ghaggar at Chattbir	1698	7.6	28/22	4.1	614	381	308	30	5.8	287	550	146	BDL	265	78	24	51	43	0.40	0.22	0.64	7.4	9.5	22000	2700	59	9	0.12	N	D
30	U/s Jharmal Nadi	1702	7.9	27/20	2.8	695	431	347	48	8.0	70	320	192	BDL	280	76	22	65	32	0.48	0.33	0.71	8.4	9.8	21000	2200	68	17	0.16	N	E
31	D/s Jharmal Nadi	1701	7.7	28/21	1.9	887	553	426	60	11	197	500	209	BDL	290	80	22	108	59	0.70	0.38	0.60	11.8	14.6	28000	3800	93	25	0.22	N	E
32	U/s Dhakanshu Nallah	1699	7.8	25/19	3.4	490	443	380	24	5.0	51	130	140	BDL	263	82	14	71	58	0.56	0.33	0.78	11.5	14.4	13000	1500	87	15	0.15	N	E
33	D/s Dhakanshu Nallah	1700	7.7	26/20	2.8	855	518	404	36	6.0	200	250	228	BDL	290	86	18	83	63	0.78	0.37	0.94	13.8	16.4	17000	1700	77	15	0.23	N	E
34	Ghaggar at Rattanheri	1473	7.7	18/15	2.1	928	573	447	56	8.6	82	150	222	BDL	309	90	20	104	65	1.2	0.42	1.02	14.6	17.8	21000	2300	101	22	BDL	N	E
35	Ghaggar at Khanauri	1024	7.8	19/16	BDL	1833	1179	872	560	90	553	290	502	BDL	575	111	72	222	78	1.6	0.39	1.19	18.4	22.1	70000	12000	209	99	BDL	N	E
36	Ghaggar at Moonak	1703	7.8	21/17	1.2	1311	816	650	161	32	34	50	345	BDL	302	67	33	160	63	1.3	0.47	1.35	13.4	15.2	28000	3400	186	36	0.15	N	E
37	U/s Sardulgarh	1705	7.9	23/19	1.1	1255	780	647	152	28	41	40	282	BDL	342	95	26	128	143	1.12	0.36	0.55	15.6	18.1	21000	2100	109	51	0.20	N	E
38	D/s Sardulgarh	1704	8.0	24/20	1.0	1340	831	665	156	29	49	45	324	BDL	361	81	39	143	150	1.20	0.39	0.83	16.2	20.2	24000	2700	107	48	0.27	N	E

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