

Analysis results of Surface water monitoring under NWMP for the month of November, 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	7.81	28/18	8.0	275	164	156	4.0	BDL	10	4	42	BDL	50	12.8	4.37	16	10	0.4	0.2	0.4	0.6	1.4	260	130	16	2.8	BDL	S	B
2	River Satluj D/S NFL	1380	7.85	27/20	7.6	348	200	191	5.6	BDL	13	5	56	BDL	64	15.2	6.32	28	18	0.8	0.4	1.0	1.0	2.0	390	210	23	3.8	BDL	S	B
3	100m D/s PACL Nangal	2915	8.10	27/20	7.6	370	219	205	6.4	BDL	16	5	68	BDL	70	17.6	6.32	30	22	1.0	0.6	1.2	1.0	2.2	450	200	25	4.0	0.14	S	B
4	River Satluj D/s Nangal	1018	7.9	28/18	7.8	290	170	162	4.8	BDL	12	4	50	BDL	54	12.8	5.35	20	12	0.4	0.2	0.6	0.8	1.8	310	170	20	3.4	BDL	S	B
5	River Satluj at Kiratpur Sahib	1814	7.48	27/19	7.4	348	220	204	5.6	BDL	14	5	64	BDL	92	24	7.78	26	16	1.0	0.6	1.2	1.2	1.8	680	400	26	4.8	BDL	S	C
6	Ropar Head-Works	1019	7.59	24/19	7.6	310	190	182	4.8	BDL	10	5	52	BDL	54	13.6	4.86	20	14	0.6	0.6	0.8	0.8	1.6	810	400	21	3.6	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.64	24/23	7.4	320	194	180	4.8	BDL	11	6	54	BDL	58	13.6	5.83	22	14	0.8	0.4	1.0	1.0	1.6	780	450	22	4.0	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.74	19/21	6.1	470	285	270	10.0	BDL	13	12	70	BDL	80	20.0	7.29	26	18	1.0	0.6	1.0	1.0	2.4	1100	680	32	5.2	0.12	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.59	20/24	2.0	1220	882	850	320	95	72	48	178	BDL	210	59.2	15.07	100	74	3.2	2.2	2.4	4.8	10.0	2,20,000	1,40,000	86	22	0.15	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.75	22/24	3.8	637	438	382	84	20	34	32	88	BDL	126	32.0	11.0	36	22	1.8	1.0	1.4	1.8	3.6	84000	63000	58	12	0.19	N	E
11	Satluj at D/s east Bein	1381	7.2	25/15	1.0	600	372	300	56	12	80	18	208	BDL	160	43	12.6	48	38	1.4	0.18	0.36	6.6	10.2	4300	2100	56	4.9	BDL	N	E
12	Satluj at harike	1022	7.1	25/14	4.4	352	222	160	28	3.9	36	14	116	BDL	132	38	8.7	22	20	1.1	0.14	0.14	1.0	1.6	1400	790	35	4.7	BDL	N	D
13	Harike Lake D/S from canal	1382	7.3	26/14	6.8	296	178	135	20	2.2	28	05	88	BDL	116	32	8.7	18	18	1.2	0.12	0.12	0.6	1.0	580	250	24	3.1	0.15	S	C
14	D/S Harike	1297	7.2	26/15	6.5	306	184	140	20	2.0	24	04	92	BDL	112	32	7.7	20	16	1.0	0.13	0.10	0.7	1.3	350	170	22	3.0	0.13	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	8.13	25/28	8.0	302	196	182	11	BDL	26	16	48	BDL	58	14.4	5.28	24	18	0.8	0.8	1.0	1.2	2.6	1100	400	22	6	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	8.01	24/26	7.8	342	208	190	16	BDL	32	20	54	BDL	70	17.6	6.24	26	20	0.8	0.8	1.2	1.6	2.8	1100	450	28	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	7.2	26/16	8.0	190	110	87	12	BDL	18	06	44	BDL	56	14	4.8	10	12	0.8	BDL	BDL	BDL	BDL	79	49	22	2.9	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.3	26/15	7.3	244	146	120	14	1.0	26	07	68	BDL	88	21	8.7	12	12	1.2	BDL	BDL	BDL	BDL	110	70	34	4.5	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.4	25/14	6.6	276	166	138	20	2.1	44	10	76	BDL	112	30	8.7	18	14	1.6	BDL	0.18	0.6	0.8	280	130	19	2.2	BDL	S	B
20	U/S Pathankot	1694	7.0	25/15	7.6	204	122	102	12	BDL	22	05	52	BDL	80	21	5.8	10	10	1.0	BDL	BDL	BDL	BDL	110	70	20	2.3	BDL	S	B
21	D/S Pathankot	1695	7.2	25/16	7.5	232	139	114	10	BDL	26	07	64	BDL	84	22	6.8	12	12	1.2	0.14	BDL	BDL	BDL	110	70	26	3.1	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.4	26/15	7.2	256	154	129	18	1.4	40	08	80	BDL	96	26	7.7	16	14	1.1	BDL	0.10	BDL	BDL	280	140	29	3.2	BDL	S	B
23	U/s Goindwal	1696	7.1	26/15	7.4	260	156	132	14	1.2	28	07	76	BDL	108	29	8.7	12	12	1.3	0.12	0.16	BDL	BDL	170	94	22	2.7	0.16	S	B
24	D/s Goindwal	1012	7.2	26/14	7.3	264	160	130	18	1.6	34	09	68	BDL	120	32	9.7	14	10	1.4	0.11	0.12	BDL	BDL	220	110	27	3.0	0.10	S	B
25	Beas at Harike	1697	7.3	25/14	7.2	258	155	128	16	1.4	24	05	84	BDL	128	35	9.7	16	18	1.3	0.14	0.14	BDL	BDL	220	110	21	2.6	0.12	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.4	24/14	7.6	180	110	91	16	1.1	24	08	52	BDL	68	16	6.8	14	14	0.9	BDL	BDL	BDL	BDL	70	46	11	1.4	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	7.9	28/20	6.4	664	419	365	16	3.6	378	900	250	BDL	308	73	31	29	57	0.8	0.17	0.19	1.1	1.4	15000	1700	37	3.7	BDL	N	D
28	Ghaggar at Bhanakpur	1295	7.9	28/24	3.8	990	614	490	54	10	164	600	286	BDL	432	120	32	37	123	1.2	0.26	0.23	4.8	5.9	24000	2700	54	8.8	BDL	N	E
29	Ghaggar at Chattbir	1698	7.7	28/23	4.3	783	486	403	20	5.0	260	350	256	BDL	402	102	35	35	65	1.0	0.18	0.20	3.6	4.2	14000	1400	46	6.9	0.13	N	D
30	U/s Jharmal Nadi	1702	7.7	27/19	3.0	944	576	472	26	6.0	49	50	312	BDL	396	113	28	49	72	0.7	0.22	0.31	5.6	6.6	17000	1500	62	14	0.17	N	E
31	D/s Jharmal Nadi	1701	7.6	27/20	1.5	1223	760	593	40	9.0	55	90	320	BDL	412	139	16	127	102	1.6	0.32	0.42	9.7	13.6	22000	3100	98	24	0.20	N	E
32	U/s Dhakanshu Nallah	1699	8.0	24/19	3.6	977	671	564	19	4.0	57	75	324	BDL	468	123	39	85	74	0.9	0.28	0.57	4.2	4.8	11000	1300	86	15	0.17	N	E
33	D/s Dhakanshu Nallah	1700	7.6	25/20	2.6	1023	634	521	28	6.0	51	55	302	BDL	414	114	32	72	90	1.1	0.29	0.98	4.8	5.6	15000	1400	84	14	0.21	N	E
34	Ghaggar at Rattanheri	1473	7.9	26/19	1.0	1388	888	693	290	55	81	80	378	BDL	508	132	43	124	138	1.4	0.36	1.22	15.0	18.8	28000	4000	107	52	BDL	N	E
35	Ghaggar at Khanauri	1024	7.8	27/20	1.2	1181	744	588	164	28	34	22	362	BDL	486	150	27	91	59	1.2	0.35	1.05	10.6	13.8	24000	3300	113	25	BDL	N	E
36	Ghaggar at Moonak	1703	7.9	28/21	1.1	1368	846	660	190	38	31	24	390	BDL	474	157	20	101	87	1.0	0.40	1.15	8.6	10.6	22000	2600	149	30	0.12	N	E
37	U/s Sardulgarh	1705	7.9	28/20	1.9	1485	921	728	80	15	56	45	422	BDL	493	128	42	121	96	1.1	0.38	0.80	7.6	9.8	14000	1300	176	37	0.18	N	E
38	D/s Sardulgarh	1704	7.8	27/19	1.8	1490	938	736	84	16	58	55	428	BDL	498	158	25	123	100	1.2	0.43	1.03	8.4	10.2	17000	1500	171	35	0.26	N	E

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