

## Analysis results of Surface water monitoring under NWMP for the month of May, 2018

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) <sup>o</sup> C	DO mg/l	Cond $\mu$ s/Cm	TDS 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 <sub>4</sub> mg/l	NO <sub>3</sub> -N mg/l	F mg/l	PO <sub>4</sub> as P mg/l	Amn N mg/l	TKN mg/l	T.Coli MPN/100ml	FColi MPN/100ml	Na mg/l	K mg/l	Boro n mg/l	W Q I	Qualit y of water as per DBU criteri a
1	River Satluj at U/S Nangal	1017	7.74	33/23	7.9	283	161	148	<5	<1	10	5	46	BDL	50	12.8	4.32	20	14	0.4	0.2	0.6	0.6	1.4	210	78	22.1	4.0	0.33	S	B
2	River Satluj at D/S NFL	1380	7.98	32/24	7.4	308	180	166	<5	<1	12	6	48	BDL	54	13.6	4.8	22	16	0.6	0.2	0.6	0.8	1.8	310	110	23.2	4.2	0.37	S	B
3	River Sutej at 100m D/s PACL Nangal	2915	8.00	33/24	7.4	326	196	182	5.3	<1	12	7	58	BDL	60	15.2	5.28	28	20	0.8	0.4	1.0	1.2	2.4	330	140	26.8	5.0	0.36	S	B
4	River Satluj at D/s Nangal	1018	7.82	32/22	7.6	312	182	167	<5	<1	11	7	54	BDL	58	15.2	4.8	24	18	0.6	0.2	0.8	0.8	2.0	310	110	24.3	4.4	0.36	S	B
5	River Satluj at Kiratpur Sahib	1814	8.01	36/20	7.4	311	184	171	7.2	<1	12	12	60	BDL	65	18	4.9	36	22	1.2	0.6	1.4	1.6	3.4	600	200	26	6	0.35	S	C
6	Ropar Head-Works	1019	8.18	33/19	7.6	285	162	151	<5	<1	8	5	45	BDL	40	12	2.5	18	12	0.2	0.2	0.4	0.6	2.0	1200	450	18	5	0.37	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.89	32/20	7.5	308	169	154	<5	<1	12	9	55	BDL	45	12	3.7	20	14	0.4	0.2	0.6	0.8	2.4	1100	450	29	8	0.36	S	C
8	River Satluj U/S Buddha Nallah	1690	7.79	36/25	6.7	402	285	271	16	4	18	12	70	BDL	100	24.8	9.12	38	20	1.2	0.4	1.2	1.8	2.8	2000	920	46	5.6	0.34	N	D
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	7.80	36/29	3.4	1216	744	728	384	85	210	62	165	BDL	116	27.2	11.6	180	90	7.8	0.6	2.8	10	18	5,80000	2,50000	170	39	0.37	N	E
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.84	38/30	5.8	482	280	262	28	8	22	18	70	BDL	88	20	9.23	46	24	1.0	0.4	1.4	2.0	5.0	79000	27000	50	9	0.31	N	D
11	River Satluj at D/s East Bein	1381	7.4	38/28	3.0	464	334	248	36	6.0	52	18	102	BDL	107	34	4	86	48	1.4	0.14	0.38	8.0	14.2	28000	22000	62	4.4	BDL	N	E
12	River Satluj at Harike	1022	7.4	38/27	6.9	302	190	158	24	3.0	34	8	112	BDL	102	35	4	20	16	1.2	0.14	0.24	3.0	4.8	22000	17000	29	2.9	BDL	N	D
13	Harike Lake D/S from canal	1382	7.5	38/27	7.1	272	180	148	16	1.6	22	6	98	BDL	112	36	6	22	16	1.0	0.11	0.18	1.8	2.2	4300	2100	32	3.1	0.11	S	C
14	D/S Harike lake	1297	<b>Barrage was closed due to which sample was not Collected</b>																												
15	U/S Hussainiwala H/W Ferozepur	1691	7.80	35/27	7.2	328	210	200	10	<1	17	11	62	BDL	68	16	6.80	28	20	0.6	0.2	0.8	1.0	1.8	1000	400	25	3	0.15	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.72	36/29	7.0	348	216	204	12	<1	18	12	66	BDL	74	18.4	6.8	30	22	0.8	0.2	1.0	1.2	2.0	1200	400	28	3.8	0.18	S	C

Note. 1. BDL means Below Method Detection Limit

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

3. DBU means Designated Best Use (Class-A,B,C,D & E)

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17	River Beas at Talwara H/W	1693	7.5	38/27	7.6	212	134	110	10	BDL	BDL	2	72	BDL	98	34	3	14	10	0.6	BDL	BDL	BDL	BDL	94	70	21	3.0	BDL	S	B
18	River Beas at U/S Pathankot	1694	7.4	38/27	7.2	232	158	122	12	1.0	12	4	88	BDL	148	42	11	12	10	1.1	0.10	0.09	BDL	BDL	220	170	18	2.8	BDL	S	B
19	River Beas at D/S Pathankot	1695	7.4	37/28	6.6	284	196	168	20	1.8	14	6	102	BDL	150	41	11	20	12	1.2	0.12	0.11	BDL	BDL	630	460	22	3.1	BDL	S	C
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.3	37/27	7.8	268	174	146	14	1.2	14	4	94	BDL	144	39	12	15	14	1.5	0.13	0.10	BDL	BDL	280	220	27	3.3	BDL	S	B
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.2	38/27	6.8	276	185	156	18	1.6	26	6	98	BDL	104	34	4	20	16	1.5	0.14	0.15	0.9	1.4	700	496	14	2.6	BDL	S	C
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	7.4	37/35	7.4	267	170	144	16	1.4	22	6	94	BDL	98	28	7	16	14	1.2	0.12	0.14	0.8	1.2	1400	630	24	1.8	BDL	S	C
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.5	35/33	7.2	261	172	144	16	1.4	22	8	80	BDL	119	36	7	12	14	1.0	0.12	0.12	0.6	1.2	220	130	45	4.1	BDL	S	B
24	River Beas at U/s Goindwal	1696	7.4	36/33	7.4	257	178	146	14	1.2	18	4	111	BDL	117	31	9	14	16	1.2	0.11	0.13	BDL	BDL	220	130	24	1.6	0.12	S	B
25	River Beas at D/s Goindwal	1012	7.3	36/34	7.1	279	190	152	16	1.6	20	6	115	BDL	122	30	11	18	18	1.4	0.13	0.15	0.5	1.0	220	170	28	2.0	0.18	S	B
26	Beas at Harike	1697	7.3	38/26	7.5	260	167	142	14	1.4	18	4	106	BDL	105	30	7	18	16	1.0	0.10	0.18	0.8	1.2	630	330	15	2.2	0.13	S	C
27	Ravi at U/s of Madhopur H/W	1097	7.4	36/19	8.6	209	128	108	10	BDL	BDL	2	68	BDL	107	33	6	10	6	0.6	BDL	BDL	BDL	BDL	79	49	19	3.2	BDL	S	B
28	Ghaggar at Mubarikpur Rest House	1023	7.7	35/27	4.0	653	418	355	68	14	2988	650	248	BDL	305	90	23	30	34	0.32	0.15	0.12	2.6	3.0	17000	2100	47	5.0	0.34	N	D
29	Ghaggar at Bhankarpur	1295	7.6	33/27	3.1	913	594	487	140	26	1316	600	383	BDL	384	82	43	64	52	0.48	0.18	0.22	10.2	13.6	24000	3400	63	10	0.87	N	E
30	Ghaggar at Chattbir	1698	7.4	34/28	2.0	891	562	466	116	22	680	450	371	BDL	348	84	30	54	47	0.4	0.19	0.20	11.8	14.0	22000	2700	68	12	0.55	N	E
31	Ghaggar at U/s Jharmal Nadi	1702	7.9	37/29	3.0	1113	692	560	105	18	53	500	400	BDL	327	100	19	110	58	0.46	0.27	0.36	13.8	15.6	21000	2600	99	19	0.27	N	E
32	Ghaggar at D/s Jharmal Nadi	1701	7.8	36/29	2.3	1333	810	624	120	23	434	550	418	BDL	354	107	21	158	78	0.75	0.32	0.48	15.8	21.4	24000	4100	111	33	0.28	N	E
33	Ghaggar at U/s Dhakanshu Nallah	1699	8.1	35/27	3.2	1104	685	560	59	12	42	240	400	BDL	402	113	29	74	64	0.34	0.22	0.22	13.9	15.5	15000	1700	98	21	0.24	N	E
34	Ghaggar at D/s Dhakanshu Nallah	1700	7.9	36/28	2.8	1139	706	586	75	14	53	380	422	BDL	422	126	26	96	65	0.36	0.32	0.30	15.5	21	17000	2000	78	16	0.34	N	E
35	Ghaggar at Rattanheri	1473	7.4	36/27	BDL	2187	1356	1060	640	190	98	90	693	BDL	622	195	33	268	142	0.52	0.33	0.46	46.8	56	63000	21000	116	86	0.37	N	E
36	Ghaggar before mixing with Sagar Para drain at village Rasouli, Patiala (U/s sagar para Drain)	4159	7.9	38/29	2.6	1990	1240	1040	280	52	44	40	584	BDL	511	136	41	178	104	0.49	0.43	0.13	15.2	21.0	17000	2200	296	39	0.34	N	E
37	Ghaggar after mixing with Sagar Para drain at village Rasouli, Patiala (D/s Sagar Para Drain)	4160	7.9	39/30	1.8	2157	1316	1076	340	60	58	70	609	BDL	606	160	50	182	108	0.53	0.42	0.16	14.4	20.6	35000	9400	311	42	0.35	N	E
38	Ghaggar at Khanauri	1024	7.9	38/28	1.6	1864	1156	940	179	42	40	60	569	BDL	455	136	28	166	94	0.68	0.40	0.14	15.1	20.8	28000	6300	262	43	0.35	N	E
39	Ghaggar at Moonak	1703	7.8	39/31	1.8	1553	964	790	98	21	41	65	484	BDL	372	101	29	152	82	0.60	0.42	0.16	16	22	22000	3100	179	32	0.33	N	E
40	Ghaggar at U/s Sardulgarh	1705	7.7	33/28	1.4	1257	767	640	150	40	42	38	360	BDL	463	124	37	104	77	0.56	0.31	0.42	9.0	13.6	24000	3400	99	50	0.31	N	E
41	Ghaggar at D/s Sardulgarh	1704	7.8	34/28	1.4	1357	843	708	142	36	44	45	397	BDL	562	144	49	126	74	0.60	0.37	0.44	10.6	15.4	21000	3200	104	46	0.39	N	E

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