

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

S. N.	Point of Sample Collection	Code	pH	Temp. (Air/Water) ^o C	DO mg/l	Cond μ 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 ₄ mg/l	NO ₃ -N mg/l	F mg/l	PO ₄ 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	7.91	32/18	8.6	298	184	176	<5	<1	9	13	45	BDL	55	14	4.9	28	19	0.6	0.4	0.4	0.4	2.0	200	78	18	6	0.30	S	B
2	River Satluj at D/S NFL	1380	7.67	33/22	7.8	327	209	194	5.1	<1	13	16	60	BDL	65	20	3.67	39	26	1.4	0.8	1.2	0.8	3.0	270	93	25	10	0.35	S	B
3	River Sutej at 100m D/s PACL Nangal	2915	7.60	35/21	7.6	341	250	231	5.6	<1	16	19	65	BDL	70	20	4.9	40	31	1.8	0.6	1.4	1.0	3.2	310	170	27	12	0.32	S	B
4	River Satluj at D/s Nangal	1018	7.82	32/18	8.2	292	199	187	<5	<1	11	15	50	BDL	60	16	4.9	30	21	0.6	0.4	0.6	0.6	2.2	240	78	21	8	0.33	S	B
5	River Satluj at Kiratpur Sahib	1814	7.94	34/21	7.6	288	182	170	5.3	<1	12	12	54	BDL	58	15.2	4.8	34	20	0.6	0.4	0.6	0.8	2.2	1000	400	26	6.8	0.30	S	C
6	Ropar Head-Works	1019	7.88	32/19	7.8	284	178	164	<5	<1	12	11	48	BDL	50	12.8	4.32	36	18	0.4	0.2	0.4	0.6	1.8	680	200	24	6.0	0.33	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.90	33/20	7.7	299	188	173	<5	<1	13	13	54	BDL	54	13.6	4.8	32	20	0.4	0.2	0.6	0.6	2.0	910	400	25	6.6	0.39	S	C
8	River Satluj U/S Buddha Nallah	1690	7.46	39/29	7.0	394	244	232	12	<1	20	14	62	BDL	94	23.2	8.7	36	22	0.8	0.4	0.8	1.0	2.0	2500	930	50	8.2	0.30	S	C
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	7.22	39/30	3.0	924	552	529	160	35	92	38	148	BDL	124	30.4	11.6	162	80	6.0	0.6	2.0	8	14	460000	230000	132	28	0.39	N	E
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	7.40	30/26	6.2	358	230	218	36	10	14	16	72	BDL	84	20	8.16	48	20	0.8	0.4	1.2	2.0	4.4	68000	20000	70	14	0.27	N	D
11	River Satluj at D/s East Bein	1381	7.2	41/32	3.6	416	252	200	30	5.2	40	16	136	BDL	105	33	5	58	40	1.4	0.16	0.32	8.2	14	28000	17000	20	4.0	BDL	N	E
12	River Satluj at Harike	1022	7.6	41/34	5.4	391	240	186	20	3	26	12	132	BDL	101	32	5	22	38	0.8	0.12	0.22	1.2	2.0	17000	13000	15	2.7	BDL	N	D
13	Harike Lake D/S from canal	1382	7.5	41/33	6.8	313	200	164	16	2	20	6	115	BDL	97	27	7	18	24	1.0	0.10	0.16	0.8	1.4	3500	1700	15	2.8	BDL	S	C
14	D/S Harike lake	1297	Barrage was closed Hence, sample was not Collected																												
15	U/S Hussainiwala H/W Ferozepur	1691	7.90	33/25	7.4	370	240	210	12	<1	18	12	46	BDL	64	15.2	6.24	28	22	0.6	0.3	0.8	1.2	2.4	920	450	29	4.6	0.17	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.70	34/27	7.2	340	220	190	16	<1	24	16	52	BDL	78	18.4	7.68	26	24	0.8	0.4	0.8	1.0	2.8	1000	400	31	5.0	0.21	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	7.4	33/27	7.6	266	160	144	8	BDL	BDL	2	94	BDL	108	38	3	14	8	0.6	BDL	BDL	BDL	BDL	110	79	19	2.9	BDL	S	B
18	River Beas at U/S Pathankot	1694	7.5	39/33	7.0	268	186	156	10	1.0	28	18	111	BDL	156	47	9	20	14	1.4	0.14	0.12	0.5	1.2	330	230	18	3.1	BDL	S	B
19	River Beas at D/S Pathankot	1695	7.5	41/35	6.8	290	210	176	16	1.4	32	22	98	BDL	154	46	10	24	22	1.8	0.16	0.13	0.8	1.7	460	330	15	3.3	BDL	S	B
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.4	42/36	7.8	272	166	132	10	1.0	12	3	64	BDL	106	32	6	12	10	1.2	0.12	0.14	BDL	BDL	220	170	21	3.7	BDL	S	B
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.5	41/36	6.9	287	180	152	18	1.7	18	4	68	BDL	100	32	5	22	18	1.6	0.15	0.18	1.0	1.4	630	460	10	2.9	BDL	S	C
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	7.3	39/37	7.2	272	196	144	14	1.3	20	6	98	BDL	94	33	3	10	16	1.0	0.12	0.14	0.9	1.2	1100	790	68	2.0	BDL	S	C
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.5	37/36	7.1	268	182	158	14	1.4	20	6	107	BDL	114	32	8	14	16	1.2	0.13	0.11	0.8	1.2	280	220	23	4.3	BDL	S	B
24	River Beas at U/s Goindwal	1696	7.4	42/39	7.4	270	175	144	12	1.2	16	2	111	BDL	120	32	10	12	15	1.0	0.12	0.12	0.5	1.0	220	110	24	1.8	0.13	S	B
25	River Beas at D/s Goindwal	1012	7.4	41/39	7.2	299	190	162	16	1.4	18	4	113	BDL	101	30	6	14	20	1.4	0.14	0.13	0.6	1.0	280	220	42	2.3	0.19	S	B
26	Beas at Harike	1697	7.3	41/31	7.6	280	178	130	14	1.4	14	4	115	BDL	84	28	3	16	18	0.8	0.10	0.16	0.6	1.2	330	230	15	2.5	0.15	S	B
27	Ravi at U/s of Madhopur H/W	1097	7.4	34/20	8.5	210	140	118	8	BDL	BDL	1	89	BDL	104	31	7	10	7	0.4	BDL	BDL	BDL	BDL	120	49	6	3.0	BDL	S	B
28	Ghaggar at Mubarakpur Rest House	1023	7.9	38/29	4.0	670	426	338	80	17	1596	160	273	BDL	303	89	20	30	29	1.1	0.13	0.71	5.6	7.8	21000	3100	49	17	0.30	N	D
29	Ghaggar at Bhankarpur	1295	7.8	38/26	2.6	918	590	466	157	31	1140	180	414	BDL	339	80	34	60	43	1.8	0.18	0.90	8.6	11.6	24000	3400	67	24	0.73	N	E
30	Ghaggar at Chattbir	1698	7.9	38/27	1.2	972	612	480	169	35	980	600	395	BDL	305	104	11	68	46	1.9	0.20	0.98	14.0	21	22000	3200	72	29	0.61	N	E
31	Ghaggar at U/s Jharmal Nadi	1702	7.9	38/27	2.6	938	594	476	95	20	246	450	385	BDL	299	73	28	69	47	1.7	0.24	0.86	13.6	20.4	15000	2100	79	33	0.28	N	E
32	Ghaggar at D/s Jharmal Nadi	1701	7.6	37/26	1.8	1157	740	566	106	22	176	240	410	BDL	323	117	73	86	51	2.1	0.32	1.1	15.6	23	17000	2400	92	34	0.30	N	E
33	Ghaggar at U/s Dhakanshu Nallah	1699	7.5	38/27	3.0	1015	640	506	67	14	34	28	408	BDL	307	93	18	80	49	1.3	0.27	0.83	14.4	22	14000	1400	89	30	0.32	N	E
34	Ghaggar at D/s Dhakanshu Nallah	1700	7.8	39/28	2.6	1088	690	538	76	16	43	40	447	BDL	345	90	29	82	54	1.4	0.31	0.90	18.8	23.6	17000	2500	102	32	0.36	N	E
35	Ghaggar at Rattanheri	1473	7.6	38/29	3.2	933	560	440	62	15	57	36	199	BDL	253	68	20	105	52	1.2	0.28	0.76	15.7	23.3	21000	2700	104	36	0.32	N	E
36	Ghaggar before mixing with Sagar Para drain at village Rasouli, Patiala (U/s sagar para Drain)	4159	7.7	39/30	3.4	851	528	422	60	14	40	20	190	BDL	254	65	22	93	50	1.1	0.32	0.70	14.8	22.6	22000	3300	99	35	0.30	N	E
37	Ghaggar after mixing with Sagar Para drain at village Rasouli, Patiala (D/s Sagar Para Drain)	4160	7.8	41/31	1.1	1512	953	736	158	42	71	65	538	BDL	377	112	24	124	58	1.3	0.36	0.78	14.3	22.1	28000	8400	213	46	0.33	N	E
38	Ghaggar at Khanauri	1024	7.7	40/30	2.1	1081	659	530	93	21	64	55	395	BDL	278	89	13	94	34	1.6	0.38	0.96	15.8	23.4	24000	3300	112	37	0.34	N	E
39	Ghaggar at Moonak	1703	7.9	41/31	2.3	1431	899	702	124	27	72	70	542	BDL	327	98	20	145	43	2.1	0.41	1.1	16.2	23.6	28000	7000	168	49	0.30	N	E
40	Ghaggar at U/s Sardulgarh	1705	7.6	41/29	2.8	1216	755	627	97	22	45	45	391	BDL	384	113	25	131	37	1.3	0.40	0.79	3.8	5.2	21000	3200	128	44	0.29	N	E
41	Ghaggar at D/s Sardulgarh	1704	8.1	41/29	2.5	1262	798	646	108	25	52	85	420	BDL	422	117	31	137	39	1.3	0.42	0.86	4.1	6.0	24000	3300	132	45	0.33	N	E

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