

Analysis results of Surface water monitoring under NWMP for the month of June, 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	F.Coli MPN/100ml	Na mg/l	K mg/l	Boro n mg/l	WQI	DBU
1	River Satluj, U/S Nangal	1017	8.10	37/20	8.0	250	150	138	4.2	BDL	10	4.2	40	BDL	64	16	5.8	16	10	0.6	0.5	0.6	1.8	2.6	400	220	8.0	2.0	BDL	S	B
2	River Satluj D/S NFL	1380	8.00	36/21	7.8	281	167	150	6.6	BDL	24	6.2	50	BDL	78	18	8.01	28	16	0.4	0.6	1.2	2.2	3.4	490	330	10.8	2.2	BDL	S	B
3	100m D/s PACL Nangal	2915	7.85	37/22	7.8	290	187	172	6.4	BDL	18	4.8	60	BDL	76	16.8	8.26	26	16	0.8	0.6	1.2	2.0	3.1	580	310	9.2	2.0	BDL	S	C
4	River Satluj D/s Nangal	1018	7.68	38/20	7.6	293	170	160	5.2	BDL	08	4.0	48	BDL	60	15.2	5.34	20	12	0.6	0.5	0.8	1.8	2.7	410	220	9.0	3.0	BDL	S	B
5	River Satluj at Kiratpur Sahib	1814	8.20	37/21	7.8	205	128	122	5.0	BDL	12	5.2	52	BDL	64	14.0	7.04	18	10	0.8	0.7	1.0	1.2	1.8	1400	680	14.8	8.5	BDL	S	C
6	Ropar Head-Works	1019	7.35	36/22	7.8	224	142	128	4.8	BDL	16	5.0	48	BDL	58	13.6	5.83	20	14	1.0	0.7	1.0	1.2	2.0	1100	460	16.3	10.3	BDL	S	C
7	River Satluj D/S of Rishab-Paper Mills	1293	7.73	37/23	7.6	320	210	189	6.2	BDL	20	6.8	50	BDL	60	14.4	5.83	22	16	1.0	0.6	1.4	1.6	2.4	1300	780	18.3	7.4	BDL	S	C
8	River Satluj U/S Buddha Nallah	1690	7.24	33/30	7.4	565	362	346	12.0	2	24	16	64	BDL	96	24	8.64	42	30	0.6	0.8	1.2	0.8	1.6	2000	930	28.4	3.2	0.12	S	C
9	Satluj at 100 mts D/s Budha Nallah confluence Ludhiana	1020	7.32	33/26	3.6	1568	998	804	368	103	97	42	186	BDL	214	52.8	19.6	114	78	4.0	2.2	3.4	6.2	11.6	79000	33000	62.0	9.6	0.20	N	E
10	Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	8.05	38/30	5.0	690	440	409	68	20	35	22	120	BDL	146	34	14.82	68	50	1.4	1.2	1.8	2.2	3.4	58000	23000	65.4	11.2	0.12	N	D
11	Satluj at D/s east Bein	1381	7.2	41/29	2.9	464	278	230	38	8	88	30	112	BDL	148	42	10.6	30	28	2.2	0.18	0.50	3.0	5.6	940	630	48	6.5	0.12	N	E
12	Satluj at harike	1022	7.1	41/30	5.0	290	174	143	24	2.6	76	24	100	BDL	112	30	8.7	20	16	2.4	0.14	0.18	1.2	2.0	840	580	23	2.3	BDL	S	C
13	Harike Lake D/S from canal	1382	7.2	40/29	6.6	260	156	134	18	1.8	66	20	84	BDL	108	34	5.8	16	12	1.4	0.16	0.14	0.9	1.5	630	260	23	2.3	0.11	S	C
14	D/S Harike	1297	7.4	40/30	6.8	250	150	132	20	1.9	54	22	76	BDL	104	27	8.7	17	12	1.0	0.12	0.14	0.7	1.3	460	210	27	2.5	BDL	S	B
15	U/S Hussainiwala H/W Ferozepur	1691	7.75	36/28	7.2	340	210	200	10	BDL	16	14	64	BDL	68	16.8	6.32	24	18	0.8	0.6	1.2	1.6	2.6	1100	680	17.0	2.1	BDL	S	C
16	D/S Hussainiwala H/W Ferozepur	1692	7.60	35/29	7.0	375	222	208	12	BDL	19	16	70	BDL	72	17.6	6.80	28	22	0.8	0.8	1.2	1.8	3.0	1300	680	19.0	2.2	BDL	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	Beas at Talwara H/W	1693	7.3	40/28	8.0	185	111	98	06	BDL	16	06	56	BDL	68	19	4.8	12	12	0.5	BDL	BDL	BDL	BDL	110	70	17	1.7	BDL	S	B
18	Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.2	41/29	7.7	216	130	116	14	1.2	26	12	60	BDL	100	27	7.7	12	14	1.0	0.10	0.11	BDL	BDL	170	70	22	1.9	BDL	S	B
19	Beas 1 Km D/S effluent discharge point at Mukerian	1294	7.4	41/28	6.2	250	150	138	20	1.9	44	20	68	BDL	116	35	6.8	12	16	1.6	0.16	0.20	0.4	0.8	460	210	18	1.4	BDL	S	B
20	U/S Pathankot	1694	7.0	40/29	7.7	206	124	117	06	BDL	54	24	56	BDL	84	24	5.8	14	10	1.2	BDL	0.14	BDL	BDL	110	70	18	1.7	BDL	S	B
21	D/S Pathankot	1695	7.1	40/29	7.6	224	134	120	12	1.1	92	26	72	BDL	92	29	4.8	12	12	0.9	0.12	0.10	BDL	BDL	170	94	21	2.0	BDL	S	B
22	Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	7.3	41/28	8.0	240	144	124	10	1.0	68	19	72	BDL	96	24	8.7	10	12	1.0	0.11	0.15	BDL	BDL	170	70	34	2.4	0.12	S	B
23	U/s Goindwal	1696	7.2	41/29	7.8	250	150	126	12	1.1	52	20	76	BDL	108	30	7.7	14	10	1.1	0.10	0.12	BDL	BDL	210	110	26	2.0	0.11	S	B
24	D/s Goindwal	1012	7.5	40/28	7.7	266	160	140	14	1.2	94	26	80	BDL	116	35	6.8	14	12	1.0	0.12	0.10	BDL	BDL	220	110	31	2.1	0.13	S	B
25	Beas at Harike	1697	7.0	41/30	7.8	254	152	134	14	1.2	40	20	68	BDL	112	32	7.7	12	16	1.2	0.10	0.10	BDL	BDL	220	110	18	1.9	0.10	S	B
26	Ravi at U/s of Madhopur H/W	1097	7.6	40/29	8.8	180	108	92	12	1.0	14	2.8	56	BDL	80	22	5.8	16	12	0.6	BDL	BDL	BDL	BDL	110	70	8	1.0	BDL	S	B
27	Ghaggar at Mubarikpur Rest House	1023	7.7	38/31	4.2	522	329	280	42	07	2482	4000	175	BDL	249	58	25	37	42	0.3	0.42	0.38	1.1	1.4	24000	4900	24	4.5	BDL	N	D
28	Ghaggar at Bhanakpur	1295	7.6	38/30	3.2	800	496	407	68	13	1163	2400	251	BDL	312	84	25	56	99	0.64	0.53	0.42	1.9	2.8	28000	5800	38	5.7	BDL	N	E
29	Ghaggar at Chattbir	1698	7.9	42/33	4.0	778	467	392	52	09	95	180	257	BDL	310	82	26	66	54	0.48	0.73	0.97	1.2	2.5	22000	3200	42	6.0	0.11	N	D
30	U/s Jharmal Nadi	1702	8.0	39/32	2.6	943	575	466	76	15	89	110	363	BDL	315	86	24	96	49	0.72	0.67	1.34	2.2	3.8	17000	2700	47	6.6	0.13	N	E
31	D/s Jharmal Nadi	1701	8.0	41/33	1.8	1510	613	484	104	23	66	95	326	BDL	304	83	23	116	69	1.1	0.96	1.27	3.8	4.9	22000	3300	61	8.4	0.16	N	E
32	U/s Dhakanshu Nallah	1699	8.0	37/31	3.6	915	558	463	60	13	35	27	289	BDL	342	87	30	109	51	0.8	0.63	0.92	2.8	4.0	11000	1700	60	5.2	0.17	N	E
33	D/s Dhakanshu Nallah	1700	8.1	40/32	3.2	826	516	416	68	15	11	19	264	BDL	289	82	20	89	68	0.85	0.70	1.08	3.2	4.6	14000	2100	47	6.9	0.17	N	E
34	Ghaggar at Rattanheri	1473	8.0	41/29	2.3	1221	769	608	99	21	134	150	352	BDL	382	84	42	206	84	1.2	0.94	1.60	4.6	6.2	22000	3400	76	7.0	0.11	N	E
35	Ghaggar at Khanauri	1024	8.2	40.5/28	1.1	1344	844	675	240	43	244	170	460	BDL	302	67	33	194	124	1.6	1.00	2.05	5.2	7.8	28000	4000	79	7.1	BDL	N	E
36	Ghaggar at Moonak	1703	8.2	37/26	1.2	1216	768	598	218	40	39	44	445	BDL	315	62	39	164	96	1.4	0.98	0.75	5.0	6.8	35000	9400	69	6.9	0.12	N	E
37	U/s Sardulgarh	1705	8.1	42/33	0.8	1205	746	604	236	48	74	50	335	BDL	312	74	31	203	93	0.90	0.99	0.42	5.1	6.9	21000	3300	84	10.3	0.12	N	E
38	D/s Sardulgarh	1704	8.2	43/34	0.6	1353	907	716	266	51	72	35	549	BDL	345	81	35	198	112	0.11	1.16	0.52	6.2	8.6	24000	3400	88	11.1	0.13	N	E

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