

Analysis results of Surface water monitoring under NWMP for the month of July, 2021

River Sutlej

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
1	River River Sutlej at U/S Nangal	1017	08.07.2021	SW 2110	ZO Lab Ldh	7.7	7.1	BDL	217	170	45	BDL	0.10	BDL	B	S
2	River River Sutlej at D/S NFL	1380	08.07.2021	SW 2111	ZO Lab Ldh	7.3	8.6	BDL	236	200	45	BDL	0.13	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	08.07.2021	SW 2112	ZO Lab Ldh	7.3	8.5	BDL	234	210	91	BDL	0.12	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	08.07.2021	SW 2113	ZO Lab Ldh	7.3	9.1	BDL	231	260	130	BDL	0.13	BDL	B	S
5	River River Sutlej at Kiratpur Sahib	1814	12.07.2021	SW 2115	ZO Lab Ldh	7.5	8.2	BDL	223	340	170	BDL	0.12	0.16	B	S
6	Ropar Head-Works	1019	12.07.2021	SW 2118	ZO Lab Ldh	7.6	7.7	BDL	223	790	330	BDL	0.14	0.12	C	S
7	River River Sutlej D/s of Rishab- Paper Mills	1293	12.07.2021	SW 2119	ZO Lab Ldh	7.5	7.9	BDL	222	840	460	BDL	0.11	0.52	C	S
8	River River Sutlej U/S Buddha Nallah	1690	14.07.2021	SW 2121	ZO Lab Ldh	7.7	5.8	1.2	266	1100	460	0.021	0.31	0.82	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	14.07.2021	SW 2123	ZO Lab Ldh	7.1	1.7	14	475	11,00,000	4,90,000	0.002	1.05	0.71	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2021	SW 2125	ZO Lab Ldh	7.2	2.2	6	395	2,30,000	1,30,000	0.010	0.66	0.49	E	U
11	River River Sutlej at D/s East Bein	1381	15.07.2021	SW 2126	ZO Lab Ldh	7.4	3.7	7	330	4,60,000	1,10,000	0.017	0.43	0.44	E	U
12	River Sutlej at Harike	1022	15.07.2021	SW 2127	ZO Lab Ldh	7.4	5.1	2.2	242	4600	1700	BDL	0.27	0.26	C	S
13	Harike Lake D/S from canal	1382	09.07.2021	SW 276	ZO Lab Jal	7.9	7.0	BDL	212	460	110	0.030	0.30	0.25	B	S
14	D/S Harike lake	1297	09.07.2021	SW 277	ZO Lab Jal	7.9	7.0	1.0	255	1100	700	0.045	0.43	0.25	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.2021	SW 2128	ZO Lab Ldh	7.2	5.9	2.0	258	1100	330	BDL	0.38	0.29	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.2021	SW 2129	ZO Lab Ldh	7.2	5.9	2.0	256	1200	460	BDL	0.37	0.28	C	S

Note. 1. BDL means Below Method Detection Limit

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

3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream, D/s means Downstream

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S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO4 mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	AmnN mg/l	NO3-N mg/l	TKN mg/l	PO4as P mg/l	F mg/l	Na mg/l	K mg/l
1	River River Sutlej at U/S Nangal	1017	08.07.2021	SW 2110	ZO Lab Ldh	BDL	BDL	BDL	118	101	6	5	100	24.8	9.2	78	BDL	BDL	1.4	BDL	BDL	0.20	2.4	0.9
2	River River Sutlej at D/S NFL	1380	08.07.2021	SW 2111	ZO Lab Ldh	BDL	BDL	BDL	131	112	10	7	102	25.6	9.2	82	BDL	BDL	1.6	BDL	BDL	0.17	3.0	1.1
3	River Sutej at 100m D/s PACL Nangal	2915	08.07.2021	SW 2112	ZO Lab Ldh	BDL	BDL	BDL	130	113	8	6	110	26.4	10.7	81	BDL	BDL	1.4	BDL	BDL	0.18	2.9	1.3
4	River River Sutlej atD/s Nangal	1018	08.07.2021	SW 2113	ZO Lab Ldh	BDL	4	BDL	118	102	7	6	100	24	9.7	75	BDL	BDL	1.5	BDL	BDL	0.21	2.9	1.7
5	River River Sutlej at Kiratpur Sahib	1814	12.07.2021	SW 2115	ZO Lab Ldh	BDL	14	19	123	106	8	8	102	24.8	9.7	77	BDL	BDL	1.6	BDL	BDL	0.21	2.9	1.6
6	Ropar Head-Works	1019	12.07.2021	SW 2118	ZO Lab Ldh	BDL	60	76	123	112	7	6	96	25.6	7.8	85	BDL	BDL	1.4	BDL	BDL	0.17	3.1	1.5
7	River River Sutlej D/S of Rishab-Paper Mills	1293	12.07.2021	SW 2119	ZO Lab Ldh	BDL	80	106	121	108	6	5	104	27.2	8.7	74	BDL	BDL	1.5	BDL	BDL	0.19	2.5	1.4
8	River River Sutlej U/S Buddha Nallah	1690	14.07.2021	SW 2121	ZO Lab Ldh	7	120	146	140	110	11	9	110	26.4	10.7	79	BDL	0.7	2.1	1.7	0.22	0.31	7.4	1.8
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	14.07.2021	SW 2123	ZO Lab Ldh	57	140	182	275	213	45	26	140	35.2	12.6	121	BDL	3.1	2.1	4.5	1.2	0.32	28.7	4.3
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2021	SW 2125	ZO Lab Ldh	26	60	92	232	187	31	21	138	34.4	12.6	103	BDL	1.0	1.8	1.9	0.82	0.28	17.7	3.4
11	River River Sutlej at D/s East Bein	1381	15.07.2021	SW 2126	ZO Lab Ldh	28	70	104	198	154	18	16	126	33.6	10.2	105	BDL	1.1	2.0	2.4	0.88	0.29	11	2.7
12	River River Sutlej at Harike	1022	15.07.2021	SW 2127	ZO Lab Ldh	14	110	134	156	129	13	12	108	25.6	10.7	103	BDL	BDL	1.8	BDL	0.36	0.25	6.5	1.9
13	Harike Lake D/S from canal	1382	09.07.2021	SW 276	ZO Lab Jal	16	129	114	155	114	16	13	100	27	8	109	BDL	3.0	2.8	4.6	0.11	1.16	9.4	3.4
14	D/S Harike lake	1297	09.07.2021	SW 277	ZO Lab Jal	15	125	110	160	128	17	12	100	28	8	104	BDL	1.0	1.5	1.6	0.10	0.15	10	3.1
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.2021	SW 2128	ZO Lab Ldh	12	50	72	156	133	16	14	104	24.8	10.2	98	BDL	BDL	1.7	BDL	0.21	0.21	8.9	1.9
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.2021	SW 2129	ZO Lab Ldh	13	53	80	156	135	17	14	102	24.8	9.7	99	BDL	BDL	1.8	BDL	0.22	0.22	8.6	2.3

Note. 1. BDL means Below Method Detection Limit
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River Beas

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T. Coli MPN/ 100ml	F. Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
17	River Beas at Talwara H/W	1693	07/07/2021	264	ZO Lab, Jal	7.5	7.6	BDL(<1)	241	98	18	0.016	0.60	BDL	B	S
18	River Beas at U/S Pathankot	1694	07/07/2021	266	ZO Lab, Jal	8.0	7.1	1.1	281	220	63	0.035	0.53	0.28	B	S
19	River Beas at D/S Pathankot	1695	07/07/2021	267	ZO Lab, Jal	8.0	6.8	1.2	219	350	79	0.025	0.37	0.31	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/07/2021	265	ZO Lab, Jal	7.7	7.2	1.1	298	170	46	0.018	0.82	0.15	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/07/2021	268	ZO Lab, Jal	8.1	7.0	1.1	222	430	94	0.039	0.36	0.35	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	07/07/2021	269	ZO Lab, Jal	8.0	6.9	BDL(<1)	225	460	110	0.035	0.32	0.22	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/07/2021	270	ZO Lab, Jal	8.0	6.6	1.2	232	460	110	0.025	0.33	0.29	B	S
24	River Beas at U/s Goindwal	1696	09/07/2021	273	ZO Lab, Jal	8.0	7.4	BDL(<1)	221	350	79	0.025	0.40	0.26	B	S
25	River Beas at D/s Goindwal	1012	09/07/2021	274	ZO Lab, Jal	8.2	7.3	1.1	229	410	93	0.032	0.41	0.31	B	S
26	Beas at Harike	1697	09/07/2021	275	ZO Lab, Jal	8.0	7.3	BDL(<1)	212	460	110	0.030	0.30	0.25	B	S

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17	River Beas at Talwara H/W	1693	07/07/2021	264	ZO Lab, Jal	12	24	14	131	110	12	10	102	29	7	100	BDL	0.8	0.9	1.5	0.07	0.12	14	3.3
18	River Beas at U/S Pathankot	1694	07/07/2021	266	ZO Lab, Jal	13	58	34	172	138	14	14	116	28	11	96	BDL	0.7	1.2	1.6	0.06	0.15	13	3.5
19	River Beas at D/S Pathankot	1695	07/07/2021	267	ZO Lab, Jal	16	124	76	135	105	12	11	104	26	10	90	BDL	0.5	0.9	BDL	0.05	0.16	8.7	2.9
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/07/2021	265	ZO Lab, Jal	14	47	31	169	135	15	12	110	30	9	102	BDL	0.6	1.0	1.6	0.07	0.15	20	4.0
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/07/2021	268	ZO Lab, Jal	15	130	68	140	117	15	13	107	29	8	94	BDL	0.6	1.2	1.6	0.06	0.17	8.6	2.9
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	07/07/2021	269	ZO Lab, Jal	16	128	70	136	118	13	10	117	31	10	100	BDL	0.7	1.3	1.7	0.07	0.17	8.0	3.0
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/07/2021	270	ZO Lab, Jal	17	134	81	144	120	14	10	111	28	10	98	BDL	0.5	1.2	BDL	0.08	0.16	8.0	2.9
24	River Beas at U/s Goindwal	1696	09/07/2021	273	ZO Lab, Jal	12	97	64	136	107	10	9	107	27	10	96	BDL	0.5	1.0	BDL	0.06	0.12	9.5	2.9
25	River Beas at D/s Goindwal	1012	09/07/2021	274	ZO Lab, Jal	13	84	69	142	119	10	10	102	26	9	102	BDL	0.4	1.1	BDL	0.07	0.13	9.5	2.8
26	Beas at Harike	1697	09/07/2021	275	ZO Lab, Jal	11	142	72	130	98	12	9	105	28	9	104	BDL	0.6	1.1	BDL	0.08	0.12	7.2	2.6

Note. 1. BDL means Below Method Detection Limit

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Analysis results of Surface water monitoring under NWMP for the month of July, 2021
River Ravi

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBU	Water Quality Index
27	Ravi at U/s of Madhopur H/W	1097	07/07/2021	263	ZO Lab, Jal	7.7	8.2	BDL(<1)	155	94	26	0.018	0.13	BDL	B	S

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO ₄ Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	AmnN mg/l	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l	
27	Ravi at U/s of Madhopur H/W	1097	07/07/2021	263	ZO Lab, Jal		8	3	BDL	104	82	10	8	94	27	6	90	BDL	0.6	0.6	BDL	BDL	BDL	2.8	2.3

Analysis results of Surface water monitoring under NWMP for the month of July, 2021

River Ghaggar

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBDU	Water Quality Index
1	Ghaggar at Mubarikpur Rest House	1023	13.07.2021	SW 4802	H/o Lab Patiala	7.7	5.3	8	458	17000	2100	0.28	1.75	0.32	D	U
2	Ghaggar at Bhankarpur	1295	13.07.2021	SW 4802	H/o Lab Patiala	7.5	3.2	14	612	22000	3900	0.30	2.38	0.48	E	U
3	Ghaggar at Chattbir	1698	13.07.2021	SW 4803	H/o Lab Patiala	7.4	3.1	16	640	22000	3400	0.23	2.36	0.51	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	13.07.2021	SW 4804	H/o Lab Patiala	7.9	4.1	13	527	21000	2700	0.35	1.82	0.35	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	13.07.2021	SW 4805	H/o Lab Patiala	7.8	3.8	14	573	24000	4100	0.51	2.27	0.50	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	13.07.2021	SW 4807	H/o Lab Patiala	7.4	4.0	12	461	22000	3200	0.21	1.82	0.33	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	13.07.2021	SW 4808	H/o Lab Patiala	7.7	3.3	14	564	22000	3900	0.44	1.95	0.49	E	U
8	Ghaggar at Rattanheri	1473	15.07.2021	SW 4820	H/o Lab Patiala	7.4	3.2	12	662	22000	3200	0.23	2.41	0.52	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	15.07.2021	SW 4821	H/o Lab Patiala	7.5	3.0	12	670	22000	3300	0.30	2.42	0.53	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	15.07.2021	SW 4822	H/o Lab Patiala	7.7	2.9	15	695	2800	3900	0.39	2.43	0.59	E	U
11	Ghaggar at Khanauri	1024	15.07.2021	SW 4825	H/o Lab Patiala	7.4	2.7	12	549	21000	3300	0.22	2.11	0.54	E	U
12	Ghaggar at Moonak	1703	15.07.2021	SW 4827	H/o Lab Patiala	7.3	2.5	14	598	22000	4000	0.15	2.24	0.64	E	U
13	Ghaggar at U/s Sardulgarh	1705	19.07.2021	SW 4837	H/o Lab Patiala	7.4	6.2	8	441	15000	2000	0.12	1.71	0.27	D	U
14	Ghaggar at D/s Sardulgarh	1704	19.07.2021	SW 4838	H/o Lab Patiala	7.5	5.7	10	471	17000	2600	0.17	1.71	0.35	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	13.07.2021	SW 4802	H/o Lab Patiala	41	490	497	298	254	33	12	115	31	9	202	BDL	9.3	1.0	13	1.0	1	43	17
2	Ghaggar at Bhankarpur	1295	13.07.2021	SW 4802	H/o Lab Patiala	72	425	412	398	39	35	16	178	43	17	224	BDL	14.9	1.2	20.9	2.2	1.4	73	36
3	Ghaggar at Chattbir	1698	13.07.2021	SW 4803	H/o Lab Patiala	79	400	321	417	355	48	17	192	47	18	231	BDL	15.1	1.2	21.1	2.1	1.3	75	38
4	Ghaggar at U/s Jharmal Nadi	1702	13.07.2021	SW 4804	H/o Lab Patiala	64	370	292	341	291	40	11	148	38	13	219	BDL	13.8	1.0	19.3	1.8	1.1	51	23
5	Ghaggar at D/s Jharmal Nadi	1701	13.07.2021	SW 4805	H/o Lab Patiala	71	460	369	374	319	43	12	161	41	14	221	BDL	14.6	1.1	20.4	1.9	1.1	66	31
6	Ghaggar at U/s Dhakanshu Nallah	1699	13.07.2021	SW 4807	H/o Lab Patiala	61	430	354	299	254	38	12	137	35	12	217	BDL	14.1	1.0	19.7	1.7	1.1	49	22
7	Ghaggar at D/s Dhakanshu Nallah	1700	13.07.2021	SW 4808	H/o Lab Patiala	69	410	362	366	312	45	14	161	43	13	223	BDL	14.7	1.1	20.6	1.8	1.2	57	28
8	Ghaggar at Rattanheri	1473	15.07.2021	SW 4820	H/o Lab Patiala	59	280	296	428	364	51	16	194	48	18	235	BDL	15.2	1.3	21.3	2.0	1.3	77	41
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	15.07.2021	SW 4821	H/o Lab Patiala	62	290	301	437	372	53	19	197	49	18	238	BDL	15	1.3	21.0	2.1	1.3	78	43
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	15.07.2021	SW 4822	H/o Lab Patiala	65	270	300	453	386	55	21	210	51	20	243	BDL	13.1	1.3	18.3	2.4	1.3	81	45
11	Ghaggar at Khanauri	1024	15.07.2021	SW 4825	H/o Lab Patiala	60	170	182	357	303	41	12	164	59	6	227	BDL	14.5	1.1	20.3	1.7	1.1	62	29
12	Ghaggar at Moonak	1703	15.07.2021	SW 4827	H/o Lab Patiala	63	195	202	389	331	44	14	179	42	18	232	BDL	15.3	1.2	21.4	1.8	1.2	69	30
13	Ghaggar at U/s Sardulgarh	1705	19.07.2021	SW 4837	H/o Lab Patiala	41	60	87	286	243	34	9	109	27	10	198	BDL	8	1.0	11.2	1.3	1.0	41	15
14	Ghaggar at D/s Sardulgarh	1704	19.07.2021	SW 4838	H/o Lab Patiala	52	75	94	306	261	36	10	120	30	11	207	BDL	8.7	1.0	12.2	1.3	1.1	43	19

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S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	pH	DO mg/l	BOD mg/l	Cond μ s/Cm	T.Coli MPN/ 100ml	FColi MPN/ 100ml	Free Amm. mg/l	SAR	B mg/l	Water quality as per DBU	Water Quality Index
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	20/07/2021	SW 4839	H.O. Lab Patiala	7.3	BDL	109	3716	350000	120000	0.49	1.75	1.38	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	20/07/2021	SW 4840	H.O. Lab Patiala	7.6	BDL	28	1566	63000	11000	BDL	2.38	0.85	E	U
3	Point Source B/N	2914	14/07/2021	SW 2122	Z.O. Lab, Ludhiana	6.9	BDL	110	1910	28,00,00	13,00,000	BDL	4.31	1.06	E	U
4	Kali Bein into Beas	2913	20/07/2021	285	ZO Lab, Jal	7.5	7.0	2.1	393	1700	790	0.040	1.76	0.71	C	S
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Drain was found dried, hence sample could not be collected													
6	Tungdab drain at fatehgarh churian, Amritsar	2910	09/07/2021	278	ZO Lab, Jal	7.1	BDL	185	2750	700000	210000	0.024	7.87	0.48	E	U
7	Hundiara drain before entering Pakistan	2907	09/07/2021	279	ZO Lab, Jal	7.4	BDL	86	1568	630000	170000	0.510	4.00	0.55	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	07/07/2021	262	ZO Lab, Jal	7.7	8.1	BDL(<1)	158	79	22	0.012	0.15	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	13/07/2021	SW 4806	H.O. Lab Patiala	7.0	BDL	18	702	33000	4000	BDL	2.36	0.97	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	15/07/2021	SW 4823	H.O. Lab Patiala	7.6	1.6	15	693	43000	5800	0.24	1.63	0.62	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	13/07/2021	SW 4813	H.O. Lab Patiala	7.8	BDL	39	919	170000	63000	2.29	2.29	1.08	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	12/07/2021	SW 2117	Z.O. Lab, Ludhiana	7.4	7.5	BDL	245	700	260	BDL	0.22	0.14	C	S

- Note. 1. BDL means Below Method Detection Limit**
2. DBU means Designated Best Use (Class-A,B,C,D & E)
3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)
4. U/s means Upstream, D/s means Downstream

Analysis results of Surface water monitoring under NWMP for the month of July, 2021

S.N.	Point of Sample Collection	Code	Date of receipt in lab	Lab Sample No.	Sample Collected & Analyzed by	COD mg/l	Turb NTU	TSS mg/l	TDS mg/l	FDS mg/l	Cl mg/l	SO ₄ Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	p.Alkn mg/l	Amn-N mg/l	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	20/07/2021	SW 4839	H.O. Lab Patiala	497	250	411	1021	497	541	189	282	282	173	764	BDL	7.1	3.8	9.9	4.6	2.7	519	143
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	20/07/2021	SW 4840	H.O. Lab Patiala	142	110	214	457	142	148	46	151	151	87	293	BDL	19.4	2.6	27.2	3.2	1.6	143	192
3	Point Source B/N	2914	14/07/2021	SW 2122	Z.O. Lab, Ludhiana	381	190	348	1156	842	298	52	352	84.8	34	522	BDL	21.7	4.8	32.8	4.1	1.12	186	20.1
4	Kali Bein into Beas	2913	20/07/2021	285	ZO Lab, Jal	17	58	34	220	178	24	16	126	38	7	123	BDL	2.0	1.9	2.8	0.12	0.16	45	12
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Drain was found dried, hence sample could not be collected																					
6	Tungdab drain at fatehgarh churian, Amritsar	2910	09/07/2021	278	ZO Lab, Jal	435	370	210	1510	1120	210	108	370	82	40	1006	BDL	48	6.3	64	5.2	0.80	348	38
7	Hundiara drain before entering Pakistan	2907	09/07/2021	279	ZO Lab, Jal	205	310	189	920	710	144	96	250	63	23	609	BDL	34	3.8	42	3.4	0.44	146	30
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	07/07/2021	262	ZO Lab, Jal	BDL	2	BDL	98	78	10	8	84	27	4	73	BDL	BDL	BDL	BDL	BDL	BDL	3.2	1.9
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	13/07/2021	SW 4806	H.O. Lab Patiala	87	60	104	457	389	69	26	309	66	35	213	BDL	6.0	1.0	8.4	2.1	1.2	73	27
11	Sagar Para Drain at village sagra dist.Patiala	4158	15/07/2021	SW 4823	H.O. Lab Patiala	73	70	108	449	384	58	24	273	53	34	239	BDL	9.4	1.0	13.2	1.8	1.1	62	36
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	13/07/2021	SW 4813	H.O. Lab Patiala	194	110	209	597	511	83	37	408	79	51	251	BDL	18.3	1.9	25.6	2.8	1.5	106	38
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	12/07/2021	SW 2117	Z.O. Lab, Ludhiana	BDL	110	156	138	121	11	8	106	24.8	10.7	79	BDL	BDL	1.6	BDL	BDL	0.16	5.1	1.9

Note. 1. BDL means Below Method Detection Limit

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

3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream, D/s means Downstream