

Analysis results of Surface water monitoring under NWMP for the month of July, 2020

River Satluj

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 Satluj at U/S Nangal	1017	07.07.20	SW 1422	ZO Lab Ldh	7.5	7.6	<1	349	170	18	BDL	0.17	BDL	B	S
2	River Satluj at D/S NFL	1380	07.07.20	SW 1423	ZO Lab Ldh	7.7	8.0	<1	376	170	20	BDL	0.14	BDL	B	S
3	River Sutej at 100m D/s PACL Nangal	2915	07.07.20	SW 1424	ZO Lab Ldh	7.6	7.5	<1	377	140	20	BDL	0.15	BDL	B	S
4	River Satluj at D/s Nangal	1018	07.07.20	SW 1425	ZO Lab Ldh	7.7	8.4	<1	264	170	11	BDL	0.09	BDL	B	S
5	River Satluj at Kiratpur Sahib	1814	10.07.20	SW 1431	ZO Lab Ldh	7.5	6.7	<1	264	310	91	BDL	0.11	0.16	B	S
6	Ropar Head-Works	1019	10.07.20	SW 1434	ZO Lab Ldh	7.6	6.4	<1	280	580	210	BDL	0.16	0.11	C	S
7	River Satluj D/S of Rishab-Paper Mills	1293	10.07.20	SW 1435	ZO Lab Ldh	7.6	6.5	<1	258	630	170	BDL	0.09	0.24	C	S
8	River Satluj U/S Buddha Nallah	1690	14.07.20	SW 1437	ZO Lab Ldh	8.0	6.4	<1	286	700	210	BDL	0.11	0.16	C	S
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	14.07.20	SW 1439	ZO Lab Ldh	7.6	4.1	8.2	395	2,70,000	1,70,000	0.150	0.37	0.29	D	U
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.20	SW 1441	ZO Lab Ldh	7.9	4.7	2.4	377	94,000	32,000	0.045	0.24	0.16	D	U
11	River Satluj at D/s East Bein	1381	15.07.20	SW 1442	ZO Lab Jal.	7.8	4	2.9	346	1,10,000	46,000	0.049	0.18	0.24	D	U
12	River Satluj at Harike	1022	09.07.20	SW 1430	ZO Lab Ldh	7.2	6.2	1.6	332	4300	2100	0.012	0.25	0.19	C	S
13	Harike Lake D/S from canal	1382	09/07/2020	S 374	ZO Lab Jal.	7.8	7.3	1.2	236	1100	140	0.035	0.27	0.13	C	S
14	D/S Harike lake	1297	09/07/2020	S 375	ZO Lab Jal.	7.9	7.1	1.3	227	700	110	0.045	0.25	0.17	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.20	SW 1443	ZO Lab Ldh	8.0	6.8	<1	266	580	250	BDL	0.19	0.11	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.20	SW 1444	ZO Lab Ldh	8.0	6.7	<1	266	610	180	BDL	0.18	0.22	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, 2020

River Satluj

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
1	River Satluj at U/S Nangal	1017	07.07.20	SW 1422	ZO Lab Ldh	<5	12	7	188	163	8	20	142	32.8	14.6	108	BDL	BDL	1.0	BDL	BDL	0.19	4.7	1.6
2	River Satluj at D/S NFL	1380	07.07.20	SW 1423	ZO Lab Ldh	<5	8	6	223	188	13	24	160	36	17.0	116	BDL	BDL	1.2	BDL	0.06	0.20	4.1	2.3
3	River Sutej at 100m D/s PACL Nangal	2915	07.07.20	SW 1424	ZO Lab Ldh	<5	9	6	221	186	12	22	142	32	15.1	116	BDL	BDL	1.3	BDL	BDL	0.24	4.2	2.6
4	River Satluj at D/s Nangal	1018	07.07.20	SW 1425	ZO Lab Ldh	<5	20	12	162	142	8	26	138	31.2	14.6	74	BDL	BDL	1.2	BDL	0.08	0.22	2.4	1.2
5	River Satluj at Kiratpur Sahib	1814	10.07.20	SW 1431	ZO Lab Ldh	<5	20	14	161	140	11	22	114	25.6	12.2	72	BDL	BDL	1.2	BDL	0.08	0.20	2.8	1.4
6	Ropar Head-Works	1019	10.07.20	SW 1434	ZO Lab Ldh	<5	28	18	173	150	17	22	124	25.6	14.6	78	BDL	BDL	1.4	BDL	BDL	0.21	4.0	1.6
7	River Satluj D/S of Rishab- Paper Mills	1293	10.07.20	SW 1435	ZO Lab Ldh	<5	23	15	155	142	10	21	126	26.4	14.6	88	BDL	BDL	1.2	BDL	BDL	0.19	2.4	1.3
8	River Satluj U/S Buddha Nallah	1690	14.07.20	SW 1437	ZO Lab Ldh	<5	164	104	168	142	15	23	122	27.2	13.1	92	BDL	BDL	1.5	BDL	BDL	0.26	2.8	1.7
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	14.07.20	SW 1439	ZO Lab Ldh	28	160	92	234	183	24	28	134	28.8	15.1	114	BDL	6.0	1.4	9.8	0.3	0.30	9.9	3.6
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.20	SW 1441	ZO Lab Ldh	10	170	81	221	172	26	24	126	27.2	14.1	100	BDL	1.0	1.2	1.8	0.10	0.29	6.1	2.6
11	River Satluj at D/s East Bein	1381	15.07.20	SW 1442	ZO Lab Jal.	11	180	85	194	151	13	21	126	25.6	15.1	102	BDL	1.4	1.3	2.2	0.24	0.21	4.7	2.5
12	River Satluj at Harike	1022	09.07.20	SW 1430	ZO Lab Ldh	6	140	69	193	163	19	21	132	27.2	15.6	98	BDL	1.2	1.2	1.8	0.16	0.20	6.6	2.6
13	Harike Lake D/S from canal	1382	09/07/2020	SW 374	ZO Lab Jal.	12	153	68	156	127	16	12	120	36	7	110	BDL	1.0	0.8	1.3	0.12	0.17	6.7	2.0
14	D/S Harike lake	1297	09/07/2020	SW 375	ZO Lab Jal.	11	142	84	160	128	17	13	117	34	8	123	BDL	1.0	0.9	1.5	0.13	0.16	6.2	1.9
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.20	SW 1443	ZO Lab Ldh	<5	76	44	163	134	12	12	92	20.8	9.7	84	BDL	BDL	1.2	BDL	BDL	0.20	4.2	1.9
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.20	SW 1444	ZO Lab Ldh	<5	78	45	165	137	14	12	92	20	10.2	88	BDL	BDL	1.1	BDL	BDL	0.19	4.0	1.8

- 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, 2020

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	07/07/2020	SW 366	ZO Lab Jal.	8.1	7.6	1.0	225	84	17	0.033	0.48	BDL	B	S
18	River Beas at U/S Pathankot	1694	07/07/2020	SW 368	ZO Lab Jal.	7.8	6.6	1.1	254	170	20	0.028	0.47	0.14	B	S
19	River Beas at D/S Pathankot	1695	07/07/2020	SW 369	ZO Lab Jal.	7.7	6.8	1.0	249	320	78	0.030	0.30	0.21	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/07/2020	SW 367	ZO Lab Jal.	8.1	7.5	1.1	218	200	40	0.046	0.54	0.10	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	10/07/2020	SW 377	ZO Lab Jal.	8.0	7.3	1.3	234	490	93	0.040	0.29	0.29	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	10/07/2020	SW 378	ZO Lab Jal.	7.9	7.1	1.2	229	490	110	0.041	0.27	0.12	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	09/07/2020	SW 370	ZO Lab Jal.	7.9	7.6	1.2	241	400	120	0.032	0.30	0.19	B	S
24	River Beas at U/s Goindwal	1696	09/07/2020	SW 371	ZO Lab Jal.	8.1	7.8	BDL(<1)	228	340	68	0.052	0.28	0.11	B	S
25	River Beas at D/s Goindwal	1012	09/07/2020	SW 372	ZO Lab Jal.	7.9	7.7	1.0	234	470	100	0.041	0.34	0.12	B	S
26	Beas at Harike	1697	09/07/2020	SW 373	ZO Lab Jal.	7.9	7.8	1.1	243	340	110	0.041	0.27	0.24	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	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
17	River Beas at Talwara H/W	1693	07/07/2020	SW 366	ZO Lab Jal.	9	22	14	145	118	13	11	82	28	3	98	BDL	0.5	0.6	1.0	BDL	0.11	10	1.9
18	River Beas at U/S Pathankot	1694	07/07/2020	SW 368	ZO Lab Jal.	12	45	22	160	126	14	11	102	31	6	129	BDL	0.8	0.7	1.2	0.06	0.13	11	2.2
19	River Beas at D/S Pathankot	1695	07/07/2020	SW 369	ZO Lab Jal.	12	56	24	155	120	15	12	117	32	9	113	BDL	1.0	0.9	1.5	0.07	0.12	7.4	2.1
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/07/2020	SW 367	ZO Lab Jal.	14	39	19	141	112	14	12	81	20	7	120	BDL	0.7	0.8	1.3	0.07	0.14	11	2.2
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	10/07/2020	SW 377	ZO Lab Jal.	14	58	25	148	110	16	13	113	31	8	111	BDL	0.8	0.7	1.6	0.08	0.15	7.0	1.9
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	10/07/2020	SW 378	ZO Lab Jal.	13	74	28	156	124	18	16	118	34	8	105	BDL	0.9	0.7	1.4	0.09	0.14	6.8	1.9
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	09/07/2020	SW 370	ZO Lab Jal.	14	68	32	160	122	15	14	115	35	7	121	BDL	0.7	0.6	1.2	0.08	0.15	7.4	1.7
24	River Beas at U/s Goindwal	1696	09/07/2020	SW 371	ZO Lab Jal.	10	64	29	142	118	11	8	112	33	8	116	BDL	0.8	0.7	1.0	0.06	0.13	6.9	1.7
25	River Beas at D/s Goindwal	1012	09/07/2020	SW 372	ZO Lab Jal.	10	72	31	144	115	12	9	116	33	8	103	BDL	0.9	0.7	1.3	0.07	0.14	8.3	1.8
26	Beas at Harike	1697	09/07/2020	SW 373	ZO Lab Jal.	10	77	35	150	112	14	12	117	32	9	109	BDL	0.9	0.7	1.2	0.07	0.13	6.6	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

Analysis results of Surface water monitoring under NWMP for the month of July, 2020

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	07/07/2020	SW 365	ZO Lab Jal.	7.7	7.9	BDL(<1)	143	120	23	0.018	0.08	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	07/07/2020	SW 365	ZO Lab Jal.	6	8	BDL	98	78	10	BDL	73	23	4	77	BDL	0.6	0.5	1.0	BDL	BDL	1.6	1.4

/

Analysis results of Surface water monitoring under NWMP for the month of July, 2020

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	3/7/2020	SW 2555	H/o Lab Patiala	8.0	5.8	10	616	21000	3100	0.72	1.81	0.51	D	U
2	Ghaggar at Bhankarpur	1295	3/7/2020	SW 2556	H/o Lab Patiala	7.6	2.7	31	960	28000	3900	0.39	2.11	0.58	E	U
3	Ghaggar at Chattbir	1698	3/7/2020	SW 2557	H/o Lab Patiala	7.4	2.4	19	873	28000	3800	0.22	2.05	0.60	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	3/7/2020	SW 2558	H/o Lab Patiala	7.5	3.3	17	813	28000	3800	0.28	2.09	0.50	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	3/7/2020	SW 2559	H/o Lab Patiala	7.5	3.1	22	1132	35000	4700	0.29	3.02	0.58	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	3/7/2020	SW 2561	H/o Lab Patiala	7.7	3.4	14	855	22000	3400	0.41	3.28	0.85	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	3/7/2020	SW 2562	H/o Lab Patiala	7.5	3.0	15	888	28000	4000	0.28	3.39	0.99	E	U
8	Ghaggar at Rattanheri	1473	7/7/2020	SW 2568	H/o Lab Patiala	7.7	2.9	14	797	24000	3400	0.46	2.13	0.82	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	7/7/2020	SW 2569	H/o Lab Patiala	7.6	3.0	16	827	24000	3400	0.39	2.18	0.87	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	7/7/2020	SW 2570	H/o Lab Patiala	7.7	2.8	20	911	28000	4000	0.45	2.43	0.90	E	U
11	Ghaggar at Khanauri	1024	7/7/2020	SW2573	H/o Lab Patiala	7.7	3.2	15	747	28000	3300	0.42	2.15	0.81	E	U
12	Ghaggar at Moonak	1703	7/7/2020	SW 2575	H/o Lab Patiala	7.6	3.0	16	823	28000	3900	0.35	2.22	0.84	E	U
13	Ghaggar at U/s Sardulgarh	1705	10/7/2020	SW 2576	H/o Lab Patiala	7.9	4.4	11	633	21000	2100	0.56	1.51	0.72	D	U
14	Ghaggar at D/s Sardulgarh	1704	10/7/2020	SW 2577	H/o Lab Patiala	7.8	4.0	12	715	22000	2600	0.44	1.78	0.75	D	U

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	Ghaggar at Mubarikpur Rest House	1023	3/7/2020	SW 2555	H/o Lab Patiala	52	790	412	370	315	45	19	163	42	14	235	BDL	14.3	1.5	20.0	0.81	1.3	53	24
2	Ghaggar at Bhankarpur	1295	3/7/2020	SW 2556	H/o Lab Patiala	156	600	329	576	490	89	35	351	86	33	279	BDL	15.6	1.6	21.8	2.7	1.4	91	41
3	Ghaggar at Chattbir	1698	3/7/2020	SW 2557	H/o Lab Patiala	96	200	147	524	445	80	29	311	75	30	264	BDL	14.4	1.3	20.2	1.6	1.0	83	35
4	Ghaggar at U/s Jharmal Nadi	1702	3/7/2020	SW 2558	H/o Lab Patiala	84	60	75	488	415	78	30	270	62	28	247	BDL	13.9	1.0	19.5	1.4	0.9	79	30
5	Ghaggar at D/s Jharmal Nadi	1701	3/7/2020	SW 2559	H/o Lab Patiala	112	65	82	679	577	102	39	396	86	44	313	BDL	14.6	1.5	20.4	2.0	1.3	138	47
6	Ghaggar at U/s Dhakanshu Nallah	1699	3/7/2020	SW 2561	H/o Lab Patiala	68	35	58	513	436	70	24	229	57	21	259	BDL	13.7	1.3	19.2	1.5	1.0	114	39
7	Ghaggar at D/s Dhakanshu Nallah	1700	3/7/2020	SW 2562	H/o Lab Patiala	76	40	73	533	453	80	30	287	67	29	286	BDL	14.1	1.5	19.7	1.6	1.3	132	69
8	Ghaggar at Rattanheri	1473	7/7/2020	SW 2568	H/o Lab Patiala	72	470	321	478	406	71	24	243	59	23	263	BDL	15.2	1.1	21.3	2.6	0.9	76	34
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	7/7/2020	SW 2569	H/o Lab Patiala	80	490	334	496	422	73	26	249	60	24	270	BDL	15.4	1.2	21.6	2.7	0.9	79	38
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	7/7/2020	SW 2570	H/o Lab Patiala	100	510	327	547	465	82	29	285	71	26	281	BDL	14.9	1.4	20.9	3.0	0.9	94	42
11	Ghaggar at Khanauri	1024	7/7/2020	SW2573	H/o Lab Patiala	68	560	384	448	381	57	20	242	54	26	257	BDL	13.9	0.9	19.5	1.9	1.0	77	27
12	Ghaggar at Moonak	1703	7/7/2020	SW 2575	H/o Lab Patiala	76	600	393	494	420	68	27	272	61	29	269	BDL	14.0	1.0	19.6	2.0	1.0	84	30
13	Ghaggar at U/s Sardulgarh	1705	10/7/2020	SW 2576	H/o Lab Patiala	52	130	119	380	323	51	19	169	41	16	249	BDL	12.4	0.7	17.4	1.0	0.9	45	26
14	Ghaggar at D/s Sardulgarh	1704	10/7/2020	SW 2577	H/o Lab Patiala	61	170	134	429	365	60	24	209	49	21	256	BDL	12.7	0.9	17.8	1.1	1.0	59	30

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, 2020

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	13/7/2020	SW 2578	H.O. Lab Patiala	8.0	BDL	115	3697	3,50,000	1,20,000	0.49	5.61	1.00	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/7/2020	SW 2579	H.O. Lab Patiala	7.8	BDL	47	1303	58000	17000	0.86	3.19	0.89	E	U
3	Point Source B/N	2914	14.07.20	SW 1438	Z.O. Lab, Ludhiana	7.1	0	105	1669	9,40,000	2,60,000	0.017	1.83	0.66	E	U
4	Kali Bein into Beas	2913	15/07/2020	SW 412	Z.O. Lab Jalandhar	7.5	4.0	3.2	398	1100	210	0.036	1.28	0.31	D	U
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Sample was not collected													
6	Tungdab drain at fatehgarh churian, Amritsar	2910	16/07/2020	SW 413	Z.O. Lab Jalandhar	7.3	BDL	118	1618	120000	58000	0.260	4.18	0.28	E	U
7	Hundiara drain before entering Pakistan	2907	16/07/2020	SW 414	Z.O. Lab Jalandhar	7.6	BDL	52	1215	94000	22000	0.325	3.46	0.32	E	U
8	Pathlawa Drain	2911	Sample was not collected													
9	Ranjit Sagar Reservoir	2912	07/07/2020	SW 364	Z.O. Lab Jalandhar	7.8	8.1	BDL(<1)	161	70	11	0.021	0.16	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	2/7/2020	SW 2560	H.O. Lab Patiala	8.0	BDL	62	1150	1,20,000	31000	0.46	2.39	0.97	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	6/7/2020	SW 2571	H.O. Lab Patiala	7.7	BDL	29	865	28000	3800	0.22	2.24	0.90	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill. Mubarkpur	4162	2/7/2020	SW 2565	H.O. Lab Patiala	7.6	BDL	92	1272	4,30,000	2,10,000	0.63	2.85	1.04	E	U
13	Confluence point of Sarsa Nadi with river Satluj	4161	10.07.20	SW 1433	ZO Lab Ldh	7.6	7.0	<1	358	580	170	BDL	0.33	0.09	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, 2020

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	13/7/2020	SW 2578	H.O. Lab Patiala	458	280	413	2218	1885	481	178	944	211	121	924	BDL	9.7	4.1	13.6	6.1	1.7	413	193
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/7/2020	SW 2579	H.O. Lab Patiala	212	220	197	782	665	103	33	409	91	44	263	BDL	24.7	1.0	34.6	5.2	1.0	148	162
3	Point Source B/N	2914	14.07.20	SW 1438	Z.O. Lab, Ludhiana	316	196	302	1004	731	185	46	308	77.6	27.7	440	BDL	33.1	2.8	45.6	2.32	0.89	74	25.4
4	Kali Bein into Beas	2913	15/07/2020	SW 412	Z.O. Lab Jalandhar	26	39	18	245	210	26	18	128	39	7	167	BDL	1.8	1.6	1.4	0.18	0.17	33	3.3
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Sample was not collected																					
6	Tungdab drain at fatehgarh churian, Amritsar	2910	16/07/2020	SW 413	Z.O. Lab Jalandhar	360	198	42	1065	790	132	108	368	84	38	442	BDL	26	1.5	31	2.8	0.36	184	27
7	Hundiara drain before entering Pakistan	2907	16/07/2020	SW 414	Z.O. Lab Jalandhar	136	147	35	850	620	106	88	252	61	24	351	BDL	13	1.3	17	1.9	0.18	126	26
8	Pathlawa Drain	2911	Sample was not collected																					
9	Ranjit Sagar Reservoir	2912	07/07/2020	SW 364	Z.O. Lab Jalandhar	BDL	10	BDL	118	95	10	BDL	80	25	4	82	BDL	0.6	0.6	1.1	BDL	0.11	3.2	1.5
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	2/7/2020	SW 2562	H.O. Lab Patiala	248	360	392	690	587	97	34	493	131	40	284	BDL	9.2	1.9	12.9	8.6	1.1	k	51
11	Sagar Para Drain at village sagra dist.Patiala	4158	6/7/2020	SW 2571	H.O. Lab Patiala	116	530	399	519	441	72	20	298	78	25	260	BDL	7.4	1.0	10.4	2.9	0.8	89	36
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	2/7/2020	SW 2565	H.O. Lab Patiala	368	140	269	763	649	97	38	583	128	64	327	BDL	25.3	2.9	35.4	5.5	1.4	158	68
13	Confluence point of Sarsa Nadi with river Satluj	4161	10.07.20	SW 1433	ZO Lab Ldh	<5	46	32	211	181	23	22	128	27.2	14.6	100	BDL	BDL	1.4	BDL	BDL	0.20	8.6	2.2

- 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