

Analysis results of Surface water monitoring under NWMP for the month of September, 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	13.09.2021	SW 2203	ZO Lab LDH	8.0	7.8	BDL	208	140	45	BDL	0.10	BDL	B	S
2	River River Sutlej at D/S NFL	1380	13.09.2021	SW 2204	ZO Lab LDH	7.8	9.1	BDL	233	200	93	BDL	0.15	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	13.09.2021	SW 2205	ZO Lab LDH	7.7	8.9	BDL	232	240	110	BDL	0.14	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	13.09.2021	SW 2206	ZO Lab LDH	8.3	10.1	BDL	224	220	78	BDL	0.09	BDL	B	S
5	River River Sutlej at Kiratpur Sahib	1814	14.09.2021	SW 2210	ZO Lab LDH	7.5	8.2	BDL	246	480	270	BDL	0.19	0.24	B	S
6	Ropar Head-Works	1019	14.09.2021	SW 2212	ZO Lab LDH	8.0	7.5	BDL	272	2200	1100	BDL	0.29	0.30	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	14.09.2021	SW 2213	ZO Lab LDH	7.6	7.2	BDL	300	2100	1300	BDL	0.31	0.38	C	S
8	River River Sutlej U/S Buddha Nallah	1690	15.09.2021	SW 2219	ZO Lab LDH	7.3	4.3	1.4	319	4700	2600	BDL	0.48	0.49	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	15.09.2021	SW 2221	ZO Lab LDH	7.4	BDL	26	776	1,10,00,000	70,00,000	0.117	2.29	0.61	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	20.09.2021	SW 2225	ZO Lab LDH	7.3	3.0	9	615	8,40,000	2,30,000	0.014	2.14	0.49	E	U
11	River River Sutlej at D/s East Bein	1381	20.09.2021	SW 2226	ZO Lab LDH	7.3	2.8	11	645	6,30,000	3,30,000	0.034	1.97	0.58	E	U
12	River Sutlej at Harike	1022	20.09.2021	SW 2227	ZO Lab LDH	8.0	7.6	1.9	246	4900	1700	0.040	0.41	0.47	D	U
13	Harike Lake D/S from canal	1382	13/09/21	SW 357	ZO Lab, Jal	7.7	7.0	1.2	232	940	310	0.156	0.66	0.20	C	S
14	D/S Harike lake	1297	13/09/21	SW 358	ZO Lab, Jal	8.0	7.6	1.4	229	1100	330	0.225	0.53	0.24	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	24.09.2021	SW 2231	ZO Lab LDH	7.7	6.6	1.2	253	1700	780	BDL	0.51	0.40	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	24.09.2021	SW 2232	ZO Lab LDH	7.6	6.4	1.2	257	2100	1100	BDL	0.48	0.36	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 September, 2021

River Sutlej

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.Alk n 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	13.09.2021	SW 2203	ZO Lab Ldh	BDL	BDL	BDL	119	108	5	5	98	24.8	8.7	88	BDL	BDL	1.4	BDL	BDL	0.23	2.2	0.9
2	River River Sutlej at D/S NFL	1380	13.09.2021	SW 2204	ZO Lab Ldh	BDL	3	BDL	134	120	8	7	102	27.2	8.3	91	BDL	BDL	1.6	BDL	BDL	0.25	3.6	1.2
3	River Sutej at 100m D/s PACL Nangal	2915	13.09.2021	SW 2205	ZO Lab Ldh	BDL	2	BDL	135	121	8	7	104	26.4	9.2	93	BDL	BDL	1.6	BDL	BDL	0.20	3.4	1.1
4	River River Sutlej atD/s Nangal	1018	13.09.2021	SW 2206	ZO Lab Ldh	BDL	2	BDL	130	116	7	6	106	27.2	9.2	89	BDL	BDL	1.5	BDL	BDL	0.24	2.2	1.1
5	River River Sutlej at Kiratpur Sahib	1814	14.09.2021	SW 2210	ZO Lab Ldh	BDL	3	BDL	141	122	7	8	102	26.4	8.7	95	BDL	BDL	1.5	BDL	BDL	0.26	4.4	1.3
6	Ropar Head-Works	1019	14.09.2021	SW 2212	ZO Lab Ldh	BDL	3	BDL	152	133	7	7	108	28	9.2	97	BDL	BDL	2	BDL	BDL	0.24	6.9	1.5
7	River River Sutlej D/S of Rishab-Paper Mills	1293	14.09.2021	SW 2213	ZO Lab Ldh	BDL	5	BDL	173	146	12	11	114	29.6	9.7	111	BDL	BDL	2.1	BDL	BDL	0.44	7.7	1.9
8	River River Sutlej U/S Buddha Nallah	1690	15.09.2021	SW 2219	ZO Lab Ldh	11	8	91	195	163	17	21	128	32.8	11.2	112	BDL	BDL	2.6	BDL	0.21	0.29	12.4	2.1
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	15.09.2021	SW 2221	ZO Lab LDH	104	95	128	478	376	73	33	198	50.4	17.5	210	BDL	7.8	3.3	12.4	1.22	0.68	74	8.1
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	20.09.2021	SW 2225	ZO Lab LDH	42	55	62	355	291	39	28	154	33.6	17.0	153	BDL	1.4	2.2	2.2	0.56	0.31	57	6.1
11	River River Sutlej at D/s East Bein	1381	20.09.2021	SW 2226	ZO Lab LDH	49	65	78	388	309	46	34	176	38.4	19.4	216	BDL	3.4	2.4	4.7	0.63	0.22	60	6.6
12	River River Sutlej at Harike	1022	20.09.2021	SW 2227	ZO Lab LDH	10	90	104	143	124	27	19	94	24.8	7.8	96	BDL	0.8	2	1.6	0.16	0.21	10	2.4
13	Harike Lake D/S from canal	1382	13/09/21	SW 357	ZO Lab, Jal	18	60	21	132	105	13	12	98	28	7	74	BDL	5.2	3.9	8.1	0.19	0.17	15	7.9
14	D/S Harike lake	1297	13/09/21	SW 358	ZO Lab, Jal	16	50	18	136	110	14	13	95	27	7	71	BDL	4.5	2.9	6.3	0.12	0.14	12	3.9
15	U/S Hussainiwala H/W Ferozepur	1691	24.09.2021	SW 2231	ZO Lab Ldh	7	16	26	152	133	15	10	102	27.2	8.3	92	BDL	BDL	1.9	BDL	BDL	0.23	12.3	3.4
16	D/S Hussainiwala H/W Ferozepur	1692	24.09.2021	SW 2232	ZO Lab Ldh	8	18	28	153	134	14	11	103	28	8.0	91	BDL	BDL	1.9	BDL	BDL	0.25	11.5	2.8

- 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

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	07/09/21	336	ZO Lab, Jal	8.0	7.6	1.1	158	84	21	0.040	0.35	BDL	B	S
18	River Beas at U/S Pathankot	1694	07/09/21	338	ZO Lab, Jal	8.2	7.2	1.2	207	210	46	0.056	0.34	0.25	B	S
19	River Beas at D/S Pathankot	1695	07/09/21	339	ZO Lab, Jal	8.2	7.1	1.1	201	390	78	0.064	0.36	0.36	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/09/21	337	ZO Lab, Jal	8.1	7.1	1.3	195	170	38	0.046	0.44	0.12	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/09/21	344	ZO Lab, Jal	8.0	6.3	1.2	212	400	110	0.045	0.47	0.40	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/09/21	345	ZO Lab, Jal	8.2	6.9	BDL (<1)	189	350	79	0.064	0.32	0.31	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/09/21	346	ZO Lab, Jal	8.1	7.0	1.4	224	460	110	0.065	0.30	0.33	B	S
24	River Beas at U/s Goindwal	1696	13/09/21	354	ZO Lab, Jal	7.9	7.8	1.2	198	400	110	0.032	0.47	0.26	B	S
25	River Beas at D/s Goindwal	1012	13/09/21	355	ZO Lab, Jal	7.9	7.9	1.1	205	490	110	0.027	0.44	0.31	B	S
26	Beas at Harike	1697	13/09/21	356	ZO Lab, Jal	8.0	7.8	1.0	199	460	92	0.035	0.41	0.22	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	07/09/21	336	ZO Lab, Jal	12	11	BDL	98	79	9	8	93	30	4	56	BDL	0.8	0.6	1.5	0.10	0.17	7.8	3.7
18	River Beas at U/S Pathankot	1694	07/09/21	338	ZO Lab, Jal	13	78	39	118	95	11	13	102	29	7	71	BDL	0.7	0.6	1.5	0.10	0.17	7.9	3.6
19	River Beas at D/S Pathankot	1695	07/09/21	339	ZO Lab, Jal	12	69	43	116	92	10	12	104	26	9	74	BDL	0.8	0.8	1.6	0.08	0.14	8.3	3.9
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/09/21	337	ZO Lab, Jal	14	49	27	114	92	12	14	98	29	6	58	BDL	0.7	0.7	1.6	0.09	0.16	10	4.2
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/09/21	344	ZO Lab, Jal	12	38	17	120	95	12	12	102	28	8	69	BDL	0.9	0.9	1.8	0.10	0.15	11	4.5
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/09/21	345	ZO Lab, Jal	13	59	26	116	96	14	10	104	31	6	67	BDL	0.8	1.0	1.6	0.12	0.14	7.5	3.9
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/09/21	346	ZO Lab, Jal	17	74	38	132	104	16	18	111	33	7	69	BDL	1.0	1.2	1.9	0.10	0.15	7.2	3.9
24	River Beas at U/s Goindwal	1696	13/09/21	354	ZO Lab, Jal	13	67	28	116	94	8	10	86	25	6	76	BDL	0.7	0.6	BDL	0.08	0.12	10	4.5
25	River Beas at D/s Goindwal	1012	13/09/21	355	ZO Lab, Jal	13	63	22	114	92	10	8	90	26	6	67	BDL	0.6	0.8	1.5	0.08	0.15	9.6	4.4
26	Beas at Harike	1697	13/09/21	356	ZO Lab, Jal	12	42	19	122	102	10	12	97	26	8	76	BDL	0.7	0.9	1.6	0.11	0.14	9.3	4.2

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

Analysis results of Surface water monitoring under NWMP for the month of September, 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	07/09/21	335	ZO Lab, Jal	7.9	7.8	BDL (<1)	150	110	26	0.014	0.20	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	07/09/21	335	ZO Lab, Jal	10	8	BDL	90	75	8	8	90	30	4	48	BDL	BDL	0.7	BDL	BDL	BDL	4.5	2.9

Analysis results of Surface water monitoring under NWMP for the month of September, 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	13/9/21	SW 107	H/o Lab Patiala	7.9	6.8	12	458	17000	2100	0.33	1.81	0.31	D	U
2	Ghaggar at Bhankarpur	1295	13/9/21	SW 108	H/o Lab Patiala	7.3	3.1	19	670	22000	3200	0.09	1.88	0.49	E	U
3	Ghaggar at Chattbir	1698	13/9/21	SW 109	H/o Lab Patiala	7.0	3.2	20	695	28000	3800	BDL	1.80	0.46	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	13/9/21	SW 110	H/o Lab Patiala	7.3	4.2	14	538	22000	2700	0.10	1.80	0.38	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	13/9/21	SW 111	H/o Lab Patiala	7.2	3.0	18	631	28000	3900	0.10	1.80	0.52	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	13/9/21	SW 113	H/o Lab Patiala	7.2	3.0	16	578	24000	3400	0.11	1.65	0.44	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	13/9/21	SW 114	H/o Lab Patiala	7.1	2.6	19	692	28000	3900	BDL	1.89	0.57	E	U
8	Ghaggar at Rattanheri	1473	16/9/21	SW 5137	H/o Lab Patiala	7.6	3.2	15	632	28000	4000	0.32	1.98	0.69	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	16/9/21	SW 5138	H/o Lab Patiala	7.0	3.7	14	610	28000	3800	BDL	2.03	0.64	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	16/9/21	SW 5139	H/o Lab Patiala	7.5	3.1	16	672	35000	4600	0.28	1.99	0.71	E	U
11	Ghaggar at Khanauri	1024	16/9/21	SW 5142	H/o Lab Patiala	7.6	3.8	15	592	28000	3200	0.33	2.11	0.61	E	U
12	Ghaggar at Moonak	1703	16/9/21	SW 5144	H/o Lab Patiala	7.7	3.4	16	665	35000	4700	0.46	2.09	0.66	E	U
13	Ghaggar at U/s Sardulgarh	1705	24/9/21	SW 5164	H/o Lab Patiala	7.9	6.1	8	391	17000	2100	0.32	1.53	0.30	D	U
14	Ghaggar at D/s Sardulgarh	1704	24/9/21	SW 5165	H/o Lab Patiala	7.6	5.5	9	451	21000	2600	0.21	1.62	0.38	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.Alka 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	13/9/21	SW 107	H/o Lab Patiala	49	470	415	299	255	30	12	123	31	11	206	BDL	7.3	1.0	10.2	1.4	1.1	46	18
2	Ghaggar at Bhankarpur	1295	13/9/21	SW 108	H/o Lab Patiala	87	410	405	387	329	49	20	206	51	19	234	BDL	9.1	1.4	12.7	1.7	1.3	62	29
3	Ghaggar at Chattbir	1698	13/9/21	SW 109	H/o Lab Patiala	92	340	372	445	379	57	24	262	62	26	239	BDL	10.3	1.6	14.4	1.9	1.5	67	32
4	Ghaggar at U/s Jharmal Nadi	1702	13/9/21	SW 110	H/o Lab Patiala	66	310	270	347	296	38	19	165	41	15	213	BDL	9.9	1.2	13.9	1.5	1.3	53	26
5	Ghaggar at D/s Jharmal Nadi	1701	13/9/21	SW 111	H/o Lab Patiala	81	345	282	409	348	52	20	234	57	22	221	BDL	10.5	1.3	14.7	1.6	1.1	63	29
6	Ghaggar at U/s Dhakanshu Nallah	1699	13/9/21	SW 113	H/o Lab Patiala	78	280	265	376	321	49	16	203	53	17	218	BDL	10.9	1.1	15.3	1.4	1.2	54	26
7	Ghaggar at D/s Dhakanshu Nallah	1700	13/9/21	SW 114	H/o Lab Patiala	88	290	301	445	379	56	23	253	60	25	236	BDL	11.2	1.3	15.7	1.5	1.3	69	36
8	Ghaggar at Rattanheri	1473	16/9/21	SW 5137	H/o Lab Patiala	72	250	265	406	345	52	17	205	49	20	224	BDL	15.9	1.2	22.3	1.6	1.2	65	35
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	16/9/21	SW 5138	H/o Lab Patiala	68	240	261	400	341	49	16	189	46	18	220	BDL	15.5	1.2	21.7	1.6	1.2	64	36
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	16/9/21	SW 5139	H/o Lab Patiala	77	255	267	412	351	53	19	221	54	21	227	BDL	19.2	1.2	19.9	1.7	1.2	68	39
11	Ghaggar at Khanauri	1024	16/9/21	SW 5142	H/o Lab Patiala	65	200	192	383	327	42	15	169	41	16	226	BDL	13.2	1.1	18.5	1.4	1.1	63	29
12	Ghaggar at Moonak	1703	16/9/21	SW 5144	H/o Lab Patiala	73	215	204	431	369	49	21	207	50	20	240	BDL	15.2	1.2	21.3	1.5	1.2	69	38
13	Ghaggar at U/s Sardulgarh	1705	24/9/21	SW 5164	H/o Lab Patiala	34	45	58	254	216	24	10	116	25	9	184	BDL	7.1	1.0	10.0	1.1	1.0	35	14
14	Ghaggar at D/s Sardulgarh	1704	24/9/21	SW 5165	H/o Lab Patiala	57	50	62	296	252	29	11	133	32	13	203	BDL	8.4	1.0	11.8	1.2	1.0	43	16

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 September, 2021

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	17/9/21	SW 5145	H.O. Lab Patiala	7.4	BDL	117	3604	430000	170000	0.08	6.00	1.28	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	17/9/21	SW 5146	H.O. Lab Patiala	7.9	BDL	54	1921	110000	26000	1.02	3.16	1.08	E	U
3	Point Source B/N	2914	15.09.2021	SW 2220	Z.O. Lab, Ludhiana	7.2	BDL	120	1822	1,40,00,000	79,00,000	0.255	5.35	1.12	E	U
4	Kali Bein into Beas	2913	20/09/21	381	ZO Lab, Jal	7.6	5.2	2.4	312	1300	490	0.070	1.21	0.95	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	15/09/21	366	ZO Lab, Jal	7.3	BDL	240	1915	790000	230000	0.430	6.15	0.78	E	U
7	Hundiara drain before entering Pakistan	2907	15/09/21	367	ZO Lab, Jal	7.4	BDL	116	1108	630000	170000	0.570	5.55	0.69	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	07/09/21	334	ZO Lab, Jal	8.0	7.9	BDL (<1)	135	120	32	0.015	0.12	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	13/9/21	SW 115	H.O. Lab Patiala	7.1	2.2	28	920	63000	6800	BDL	1.94	0.93	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	16/9/21	SW 5140	H.O. Lab Patiala	7.7	1.5	17	781	58000	7800	0.19	1.73	0.74	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	13/9/21	SW 119	H.O. Lab Patiala	7.3	1.6	57	1213	350000	120000	0.22	2.50	1.19	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161			ZO Lab LDH	Location was not approachable										

- 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 September, 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	17/9/21	SW 5145	H.O. Lab Patiala	421	325	314	2342	1991	513	167	1425	274	180	734	BDL	4.9	3.9	6.9	4.4	2.8	521	142
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	17/9/21	SW 5146	H.O. Lab Patiala	208	170	197	1251	1065	169	100	871	177	104	319	BDL	22.6	3.1	31.6	4.0	2.2	214	239
3	Point Source B/N	2914	15.09.2021	SW 2220	ZO Lab LDH	382	160	298	1153	868	264	55	314	83.2	25.8	531	BDL	25.5	5.6	40.1	12.2	0.74	218	34
4	Kali Bein into Beas	2913	20/09/21	381	ZO Lab, Jal	17	10	6	184	146	22	16	102	34	4	103	BDL	2.8	1.8	3.5	0.14	0.17	28	15
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	15/09/21	366	ZO Lab, Jal	600	83	46	1205	710	124	92	295	82	22	654	BDL	43	8.1	54	7.1	0.29	243	74
7	Hundiara drain before entering Pakistan	2907	15/09/21	367	ZO Lab, Jal	305	70	28	780	485	110	85	142	41	10	404	BDL	38	5.2	44	6.2	0.22	153	44
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	07/09/21	334	ZO Lab, Jal	8	15	10	80	62	7	8	74	23	4	50	BDL	BDL	BDL	BDL	BDL	BDL	2.3	3.1
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	13/9/21	SW 115	H.O. Lab Patiala	143	100	124	598	508	84	51	453	89	56	241	BDL	7.4	1.6	10.4	3.1	1.4	95	39
11	Sagar Para Drain at village sagra dist.Patiala	4158	16/9/21	SW 5140	H.O. Lab Patiala	79	170	148	510	434	62	40	329	64	41	251	BDL	6.3	1.3	8.8	2.0	1.2	72	43
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	13/9/21	SW 119	H.O. Lab Patiala	238	180	242	788	671	95	65	527	97	69	372	BDL	21.7	2.4	30.4	3.2	2.0	132	61
13	Confluence point of Sarsa Nadi with river River Sutlej	4161			ZO Lab LDH	Location was not approachable																		

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