

Analysis results of Surface water monitoring under NWMP for the month of July, 2024

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
1	River River Sutlej at U/S Nangal	1017	08.07.2024	SW 164	ZO Lab LDH	8.1	8.0	BDL	282	84	21	BDL	0.17	BDL	B
2	River River Sutlej at D/S NFL	1380	08.07.2024	SW 165	ZO Lab LDH	8.1	8.5	BDL	305	70	22	BDL	0.19	BDL	B
3	River Sutlej at 100m D/s PACL Nangal	2915	08.07.2024	SW 166	ZO Lab LDH	8.1	8.5	BDL	306	63	21	BDL	0.19	BDL	B
4	River River Sutlej at D/s Nangal	1018	08.07.2024	SW 167	ZO Lab LDH	8.3	9.5	BDL	312	94	32	BDL	0.19	0.14	B
5	River River Sutlej at Kiratpur Sahib	1814	09.07.2024	SW 170	ZO Lab LDH	7.9	8.6	BDL	275	170	46	BDL	0.19	0.28	B
6	Ropar Head-Works	1019	09.07.2024	SW 173	ZO Lab LDH	8.0	7.9	BDL	307	630	210	BDL	0.20	0.15	C
7	River River Sutlej D/S of Rishab- Paper Mills	1293	09.07.2024	SW 174	ZO Lab LDH	8.0	7.9	BDL	310	940	210	BDL	0.20	0.23	C
8	River River Sutlej U/S Buddha Nallah	1690	12.07.2024	SW 178	ZO Lab LDH	8.0	7.2	BDL	311	940	320	BDL	0.21	0.34	C
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12.07.2024	SW 180	ZO Lab LDH	7.7	1.4	30	785	5,40,000	1,10,000	0.153	1.80	0.60	E
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2024	SW 182	ZO Lab LDH	7.7	4.8	4.4	410	35,000	11,000	0.042	0.47	0.40	D
11	River River Sutlej at D/s East Bein	1381	15.07.2024	SW 183	ZO Lab LDH	7.5	4.5	5.6	462	28,000	9400	0.032	0.71	0.45	D
12	River Sutlej at Harike	1022	15.07.2024	SW 184	ZO Lab LDH	7.8	6.3	2.8	292	3500	1300	BDL	0.33	0.25	C
13	Harike Lake D/S from canal	1382	12/07/2024	153	ZO Lab, Jal	7.6	8.1	1.3	255	1400	700	0.023	0.47	0.25	C
14	D/S Harike lake	1297	12/07/2024	152	ZO Lab, Jal	7.7	7.9	1.3	241	2200	940	0.027	0.45	0.20	C
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.2024	SW 185	ZO Lab LDH	7.8	6.6	1.2	290	940	260	BDL	0.32	0.18	C
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.2024	SW 186	ZO Lab LDH	7.8	6.6	1.3	297	920	280	BDL	0.33	0.20	C

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, 2024

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.Alk n mg/l	Amn N 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	08.07.2024	SW 164	ZO Lab LDH	8	BDL	175	156	13	54	112	28.8	9.7	70	BDL	BDL	0.8	BDL	BDL	BDL	4.1	1.7	7.2
2	River River Sutlej at D/S NFL	1380	08.07.2024	SW 165	ZO Lab LDH	9	BDL	189	166	10	56	116	29.6	10.2	94	BDL	BDL	1.1	BDL	BDL	BDL	4.6	1.5	7.8
3	River Sutej at 100m D/s PACL Nangal	2915	08.07.2024	SW 166	ZO Lab LDH	7	BDL	182	163	11	54	122	32.8	9.7	92	BDL	BDL	1.0	BDL	BDL	BDL	4.8	1.6	7.8
4	River River Sutlej atD/s Nangal	1018	08.07.2024	SW 167	ZO Lab LDH	7	BDL	188	167	11	54	108	28.8	8.7	64	BDL	BDL	0.7	BDL	BDL	0.21	4.6	1.6	8.3
5	River River Sutlej at Kiratpur Sahib	1814	09.07.2024	SW 170	ZO Lab LDH	11	BDL	171	152	14	53	104	28	8.3	66	BDL	BDL	0.7	BDL	BDL	BDL	4.5	1.6	8.4
6	Ropar Head-Works	1019	09.07.2024	SW 173	ZO Lab LDH	BDL	90	61	185	162	17	51	104	28	8.3	70	BDL	BDL	1.0	BDL	BDL	0.22	4.6	1.6
7	River River Sutlej D/S of Rishab-Paper Mills	1293	09.07.2024	SW 174	ZO Lab LDH	BDL	95	73	188	164	16	47	106	28.8	8.3	68	BDL	BDL	0.8	BDL	BDL	0.27	4.7	1.6
8	River River Sutlej U/S Buddha Nallah	1690	12.07.2024	SW 178	ZO Lab LDH	BDL	115	116	190	165	13	47	116	30.4	9.7	68	BDL	BDL	0.9	BDL	BDL	0.22	5.3	1.9
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12.07.2024	SW 180	ZO Lab LDH	124	95	188	477	392	122	68	190	51.2	15.1	228	BDL	5.1	1.5	7.2	2.3	0.36	57	7.2
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2024	SW 182	ZO Lab LDH	28	110	130	246	206	34	52	114	30.4	9.2	96	BDL	1.4	1.6	2.0	BDL	0.25	11.6	2.3
11	River River Sutlej at D/s East Bein	1381	15.07.2024	SW 183	ZO Lab LDH	36	100	103	280	234	34	49	142	37.6	11.7	140	BDL	1.6	2.3	2.2	1.5	0.28	19.5	4.6
12	River River Sutlej at Harike	1022	15.07.2024	SW 184	ZO Lab LDH	24	110	132	178	148	22	24	100	27.2	7.8	108	BDL	BDL	1.2	BDL	BDL	BDL	7.6	2.4
13	Harike Lake D/S from canal	1382	12/07/2024	153	ZO Lab, Jal	10	18	14	142	107	12	8	86	23	7	110	BDL	0.9	0.77	1.4	0.25	0.22	10	3.0
14	D/S Harike lake	1297	12/07/2024	152	ZO Lab, Jal	9	20	17	145	108	14	9	92	24	8	114	BDL	0.9	0.74	1.5	0.27	0.21	9.9	2.8
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.2024	SW 185	ZO Lab LDH	10	35	31	177	149	15	25	108	28.8	8.7	80	BDL	BDL	1.3	BDL	BDL	BDL	7.7	2.5
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.2024	SW 186	ZO Lab LDH	11	40	35	179	150	16	29	94	24.8	7.8	84	BDL	BDL	1.4	BDL	BDL	BDL	7.3	2.5

- 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, 2024

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
17	River Beas at Talwara H/W	1693	02/07/2024	134	ZO Lab, Jal	7.5	8.1	1.1	260	94	26	0.016	0.49	BDL	B
18	River Beas at U/S Pathankot	1694	02/07/2024	136	ZO Lab, Jal	7.8	7.8	1.2	285	210	94	0.032	0.44	0.10	B
19	River Beas at D/S Pathankot	1695	02/07/2024	137	ZO Lab, Jal	7.7	7.6	1.3	249	280	110	0.024	0.34	0.15	B
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	02/07/2024	135	ZO Lab, Jal	7.7	7.9	1.3	299	170	70	0.027	0.50	0.11	B
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/07/2024	144	ZO Lab, Jal	7.8	8.3	1.4	258	330	170	0.025	0.29	0.31	B
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/07/2024	145	ZO Lab, Jal	7.8	8.1	1	247	310	130	0.021	0.37	0.20	B
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/07/2024	146	ZO Lab, Jal	7.8	8.2	1.2	249	330	170	0.028	0.42	0.19	B
24	River Beas at U/s Goindwal	1696	12/07/2024	149	ZO Lab, Jal	7.7	8.3	BDL	247	260	110	0.015	0.40	0.10	B
25	River Beas at D/s Goindwal	1012	12/07/2024	150	ZO Lab, Jal	7.8	8	1.2	238	310	130	0.025	0.30	0.15	B
26	Beas at Harike	1697	12/07/2024	151	ZO Lab, Jal	7.8	7.9	1.2	244	280	140	0.025	0.32	0.16	B

S.N.	Point of Sample Collection	Code	Date of receipt in lab	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	02/07/2024	ZO Lab, Jal	9	20	12	154	120	13	12	156	42	12	92	BDL	0.8	0.62	1.4	0.23	0.25	14	3.0
18	River Beas at U/S Pathankot	1694	02/07/2024	ZO Lab, Jal	9	25	18	172	136	12	12	164	47	11	116	BDL	0.9	0.72	1.6	0.21	0.18	13	3.0
19	River Beas at D/S Pathankot	1695	02/07/2024	ZO Lab, Jal	8	30	16	152	118	10	11	138	35	12	118	BDL	0.8	0.65	1.4	0.19	0.18	9.3	2.7
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	02/07/2024	ZO Lab, Jal	10	25	14	178	145	12	14	170	46	13	122	BDL	0.9	0.78	1.6	0.24	0.22	15	3.1
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/07/2024	ZO Lab, Jal	10	35	17	152	125	9	14	148	36	14	112	BDL	0.7	0.61	1.3	0.17	0.17	8.2	2.6
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/07/2024	ZO Lab, Jal	9	35	16	148	115	10	15	126	39	7	106	BDL	0.6	0.54	1.3	0.18	0.22	9.5	3.0
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/07/2024	ZO Lab, Jal	10	40	18	146	110	12	14	106	34	5	112	BDL	0.8	0.62	1.5	0.22	0.18	10	3.0
24	River Beas at U/s Goindwal	1696	12/07/2024	ZO Lab, Jal	8	25	15	142	105	12	10	118	40	4	102	BDL	0.5	0.56	1.2	0.25	0.19	10	3.1
25	River Beas at D/s Goindwal	1012	12/07/2024	ZO Lab, Jal	10	30	22	144	115	11	12	124	35	9	96	BDL	0.7	0.62	1.4	0.26	0.20	7.6	2.7
26	Beas at Harike	1697	12/07/2024	ZO Lab, Jal	9	25	24	148	112	13	13	102	30	7	112	BDL	0.7	0.76	1.5	0.24	0.21	7.5	3.1

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, 2024

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
27	Ravi at U/s of Madhopur H/W	1097	02/07/2024	133	ZO Lab, Jal	7.5	8.7	1.1	170	84	26	BDL	0.06	BDL	B

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	02/07/2024	133	ZO Lab, Jal	8	7	BDL	112	84	12	7	108	25	11	72	BDL	BDL	0.48	BDL	BDL	0.19	1.4	1.7

Analysis results of Surface water monitoring under NWMP for the month of July, 2024

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 µs/Cm	T.Coli MPN/ 100ml	F. Coli MPN/ 100ml	SAR	Free Amm.N	B mg/l	Quality of water as per DBDU
1	Ghaggar at Mubarikpur Rest House	1023	4/7/2024	SW 36	H/o Lab Patiala	7.6	6.4	7	513	21000	1700	1.81	0.23	0.47	D
2	Ghaggar at Bhankarpur	1295	4/7/2024	SW 37	H/o Lab Patiala	7.2	3.6	17	914	24000	2700	2.23	0.11	0.80	E
3	Ghaggar at Chattbir	1698	4/7/2024	SW 38	H/o Lab Patiala	7.6	3.5	19	947	24000	3400	2.30	0.28	0.80	E
4	Ghaggar at U/s Jharmal Nadi	1702	4/7/2024	SW 39	H/o Lab Patiala	7.7	4.1	12	721	24000	2700	1.85	0.37	0.67	D
5	Ghaggar at D/s Jharmal Nadi	1701	4/7/2024	SW40	H/o Lab Patiala	7.2	3.8	18	821	28000	3800	2.11	0.13	0.72	E
6	Ghaggar at U/s Dhakanshu Nallah	1699	4/7/2024	SW 42	H/o Lab Patiala	7.4	4.0	12	710	24000	3400	2.03	0.19	0.67	D
7	Ghaggar at D/s Dhakanshu Nallah	1700	4/7/2024	SW 43	H/o Lab Patiala	7.4	3.2	20	974	28000	3900	2.32	0.19	0.91	E
8	Ghaggar at Rattanheri	1473	3/7/2024	SW 28	H/o Lab Patiala	7.9	3.2	20	1029	28000	3800	2.35	0.58	0.92	E
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	3/7/2024	SW 29	H/o Lab Patiala	7.8	3.3	19	991	28000	3800	2.30	0.48	0.90	E
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	3/7/2024	SW 30	H/o Lab Patiala	7.9	2.4	23	1107	35000	4600	2.57	0.56	0.93	E
11	Ghaggar at Khanauri	1024	3/7/2024	SW 33	H/o Lab Patiala	7.8	2.9	22	1033	35000	3900	2.45	0.44	0.91	E
12	Ghaggar at Moonak	1703	3/7/2024	SW 35	H/o Lab Patiala	7.7	2.6	25	1167	35000	5800	2.40	0.39	0.95	E
13	Ghaggar at U/s Sardulgarh	1705	5/7/2024	SW 49	H/o Lab Patiala	7.5	5.4	7	414	21000	1700	1.39	0.18	0.31	D
14	Ghaggar at D/s Sardulgarh	1704	5/7/2024	SW 50	H/o Lab Patiala	7.4	4.6	8	692	21000	2100	1.70	0.15	0.45	D

S.N.	Point of Sample Collection	Code	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	SW 36	H/o Lab Patiala	35	490	493	335	287	42	9	134	37	10	245	BDL	9.3	1.1	13.0	1.3	1.1	48	11
2	Ghaggar at Bhankarpur	1295	SW 37	H/o Lab Patiala	82	470	422	597	510	9	20	373	79	31	319	BDL	10.6	1.3	14.8	1.5	1.4	99	46
3	Ghaggar at Chattbir	1698	SW 38	H/o Lab Patiala	85	400	388	617	527	92	27	358	97	28	321	BDL	11.1	1.3	15.5	1.5	1.4	100	47
4	Ghaggar at U/s Jharmal Nadi	1702	SW 39	H/o Lab Patiala	69	400	336	467	398	59	20	249	63	22	291	BDL	12.3	1.2	17.2	1.3	1.2	67	32
5	Ghaggar at D/s Jharmal Nadi	1701	SW40	H/o Lab Patiala	89	430	334	534	454	78	20	300	87	20	305	BDL	12.7	1.3	17.8	1.5	1.3	84	31
6	Ghaggar at U/s Dhakanshu Nallah	1699	SW 42	H/o Lab Patiala	61	270	264	458	391	60	19	226	64	16	290	BDL	12.4	1.2	17.4	1.4	1.2	70	24
7	Ghaggar at D/s Dhakanshu Nallah	1700	SW 43	H/o Lab Patiala	95	310	368	635	541	98	31	389	98	35	317	BDL	12.7	1.5	17.8	1.4	1.4	105	45
8	Ghaggar at Rattanheri	1473	SW 28	H/o Lab Patiala	92	310	269	667	567	100	34	406	100	38	333	BDL	12.8	2.4	17.9	2.6	2.1	109	54
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	SW 29	H/o Lab Patiala	90	320	263	647	651	100	32	387	97	35	316	BDL	13.6	2.2	17.6	2.5	2.2	104	53
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	SW 30	H/o Lab Patiala	105	370	357	721	614	106	38	441	110	40	341	BDL	12.4	2.4	17.4	2.6	2.2	124	63
11	Ghaggar at Khanauri	1024	SW 33	H/o Lab Patiala	98	350	325	672	573	98	32	404	99	38	328	BDL	12.7	2.4	17.8	2.6	2.7	113	62
12	Ghaggar at Moonak	1703	SW 35	H/o Lab Patiala	109	360	345	761	648	111	46	515	117	54	347	BDL	13.1	3.0	18.3	2.7	2.9	125	65
13	Ghaggar at U/s Sardulgarh	1705	SW 49	H/o Lab Patiala	49	40	38	309	263	34	9	121	35	8	243	BDL	9.2	1.2	12.9	1.1	1.2	35	17
14	Ghaggar at D/s Sardulgarh	1704	SW 50	H/o Lab Patiala	54	70	65	429	366	47	19	235	61	20	281	BDL	10.2	1.3	14.3	1.3	1.2	60	24

- 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, 2024

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
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	9/7/2024	SW 51	H.O. Lab Patiala	7.2	BDL	61	2765	350000	120000	0.10	4.00	1.31	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	9/7/2024	SW 52	H.O. Lab Patiala	7.1	BDL	51	2241	280000	94000	0.14	3.60	1.29	E
3	Point Source B/N	2914	12.07.2024	SW 179	ZO Lab LDH	7.6	BDL	130	1875	92,00,000	35,00,000	0.350	4.94	0.84	E
4	Kali Bein into Beas	2913	05/07/2024	143	ZO Lab, Jal	7.6	4.8	2.9	414	4700	1400	0.030	0.76	0.51	C
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	12/07/2024	155	ZO Lab, Jal	7.1	BDL	72	1488	1100000	490000	0.014	2.12	0.40	E
7	Hundiara drain before entering Pakistan	2907	12/07/2024	156	ZO Lab, Jal	7.3	BDL	48	1156	630000	330000	0.110	2.51	0.48	E
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected												
9	Ranjit Sagar Reservoir	2912	02/07/2024	132	ZO Lab, Jal	7.6	8.8	1	172	79	22	BDL	0.07	BDL	B
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	4/7/2024	SW 41	H.O. Lab Patiala	7.0	BDL	35	1180	94000	21000	BDL	4.19	1.07	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	3/7/2024	SW 31	H.O. Lab Patiala	7.3	BDL	32	1092	35000	9400	0.10	2.18	1.03	E
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	4/7/2024	SW 48	H.O. Lab Patiala	7.2	BDL	95	3057	350000	130000	0.20	4.22	1.94	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	09.07.2024	SW 172	ZO Lab LDH	7.9	7.9	BDL	329	700	330	BDL	0.33	0.40	C

- 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, 2024

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	9/7/2024	SW 51	H.O. Lab Patiala	301	270	235	1777	1513	255	107	1296	235	172	598	BDL	9.4	4.1	13.2	4.3	4.1	331	183
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	9/7/2024	SW 52	H.O. Lab Patiala	250	250	224	1458	1241	113	111	1083	229	124	427	BDL	14.3	4.0	20.0	4.0	4.0	272	283
3	Point Source B/N	2914	12.07.2024	SW 179	ZO Lab LDH	424	160	328	1197	899	374	102	368	98.4	29.6	448	BDL	14	3.6	21	7.5	0.68	218	24
4	Kali Bein into Beas	2913	05/07/2024	143	ZO Lab, Jal	20	48	43	250	170	20	12	188	48	17	165	BDL	1.2	0.96	1.8	0.32	0.28	24	7.0
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	12/07/2024	155	ZO Lab, Jal	224	210	184	916	581	202	72	428	100	43	414	BDL	14	2.2	22	1.9	0.32	101	12
7	Hundiara drain before entering Pakistan	2907	12/07/2024	156	ZO Lab, Jal	140	134	110	668	420	132	42	300	71	30	380	BDL	11	2	18	1.6	0.28	100	17
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	02/07/2024	132	ZO Lab, Jal	6	6	BDL	115	90	10	6	122	33	10	76	BDL	BDL	0.4	BDL	BDL	0.18	1.8	2.2
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	4/7/2024	SW 41	H.O. Lab Patiala	107	200	166	781	667	90	30	357	85	35	342	BDL	12.3	3.8	17.2	2.9	3.3	182	77
11	Sagar Para Drain at village sagra dist.Patiala	4158	3/7/2024	SW 31	H.O. Lab Patiala	97	150	138	710	609	100	36	562	108	71	318	BDL	10.2	2.7	14.3	2.8	2.6	119	41
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	4/7/2024	SW 48	H.O. Lab Patiala	331	470	456	1967	1673	315	210	1638	372	172	493	BDL	19.2	6.3	26.9	5.2	5.3	392	119
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	09.07.2024	SW 172	ZO Lab LDH	BDL	282	178	203	176	15	52	114	30.4	9.2	72	BDL	BDL	1.7	BDL	BDL	0.26	8.1	2.3

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