

### Analysis results of Surface water monitoring under NWMP for the month of December, 2023

#### 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 $\mu$ 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	07.12.23	SW 258	ZO Lab LDH	8.1	7.2	BDL	248	84	31	BDL	0.17	BDL	B
2	River River Sutlej at D/S NFL	1380	07.12.23	SW 259	ZO Lab LDH	8.2	10	BDL	258	94	32	BDL	0.26	BDL	B
3	River Sutlej at 100m D/s PACL Nangal	2915	07.12.23	SW 260	ZO Lab LDH	8.2	9.8	BDL	257	92	20	BDL	0.26	BDL	B
4	River River Sutlej at D/s Nangal	1018	07.12.23	SW 261	ZO Lab LDH	8.4	10.4	BDL	240	70	26	BDL	0.21	0.13	B
5	River River Sutlej at Kiratpur Sahib	1814	11.12.23	SW 266	ZO Lab LDH	7.9	8.4	BDL	272	140	39	BDL	0.30	0.15	B
6	Ropar Head-Works	1019	11.12.23	SW 269	ZO Lab LDH	8.0	8.0	BDL	297	790	170	BDL	0.36	0.16	C
7	River River Sutlej D/S of Rishab- Paper Mills	1293	11.12.23	SW 270	ZO Lab LDH	7.6	7.7	BDL	316	700	170	BDL	0.43	0.20	C
8	River River Sutlej U/S Buddha Nallah	1690	12.12.23	SW 277	ZO Lab LDH	7.9	7.1	1.4	318	840	310	0.045	0.39	0.28	C
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12.12.23	SW 279	ZO Lab LDH	7.4	1.2	38	645	11,00,000	4,60,000	0.078	1.79	0.51	E
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	13.12.23	SW 283	ZO Lab LDH /HO Lab PAT	7.7	7.6	6.4	436	54,000	13,000	0.078	0.80	0.27	D
11	River River Sutlej at D/s East Bein	1381	13.12.23	SW 284	ZO Lab LDH /HO Lab PAT	7.6	4.7	7.4	484	70,000	23,000	0.070	1.11	0.29	D
12	River Sutlej at Harike	1022	13.12.23	SW 285	ZO Lab LDH /HO Lab PAT	7.8	6.5	2.0	438	3500	1300	0.039	0.95	0.24	C
13	Harike Lake D/S from canal	1382	15/12/2023	516	ZO Lab, Jal	8.1	8.5	1.4	247	2200	790	0.059	0.36	0.26	C
14	D/S Harike lake	1297	<b>No flow observed, stagnated, hence sample not collected.</b>												
15	U/S Hussainiwala H/W Ferozepur	1691	14.12.23	SW 289	ZO Lab LDH /HO Lab PAT	8.0	8.4	1.4	271	1100	490	0.040	0.33	0.20	C
16	D/S Hussainiwala H/W Ferozepur	1692	14.12.23	SW 290	ZO Lab LDH /HO Lab PAT	8.0	8.5	1.6	276	1100	460	0.040	0.46	0.25	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

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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.Alk n mg/l	P.Alk n 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	07.12.23	SW 258	ZO Lab LDH	BDL	2	BDL	145	126	10	29	108	28	9.2	86	BDL	BDL	1.4	BDL	BDL	0.17	4.1	1.8
2	River River Sutlej at D/S NFL	1380	07.12.23	SW 259	ZO Lab LDH	BDL	7	BDL	159	139	11	32	114	29.6	9.7	88	BDL	BDL	3.1	BDL	BDL	0.19	6.4	2.3
3	River Sutej at 100m D/s PACL Nangal	2915	07.12.23	SW 260	ZO Lab LDH	BDL	6	BDL	158	140	11	32	116	30.4	9.7	82	BDL	BDL	3.1	BDL	BDL	0.19	6.5	2.7
4	River River Sutlej atD/s Nangal	1018	07.12.23	SW 261	ZO Lab LDH	BDL	4	BDL	146	128	10	30	112	29.6	9.2	82	BDL	BDL	2.1	BDL	BDL	0.19	5.1	2.2
5	River River Sutlej at Kiratpur Sahib	1814	11.12.23	SW 266	ZO Lab LDH	BDL	7	13	166	147	12	24	104	27.2	8.7	94	BDL	BDL	2.7	BDL	BDL	0.13	7.1	3.2
6	Ropar Head-Works	1019	11.12.23	SW 269	ZO Lab LDH	BDL	14	15	181	158	14	31	118	30.4	10.2	118	BDL	BDL	2.4	BDL	BDL	0.17	8.9	3.9
7	River River Sutlej D/S of Rishab-Paper Mills	1293	11.12.23	SW 270	ZO Lab LDH	BDL	32	22	196	168	18	34	124	32	10.7	120	BDL	BDL	2.7	BDL	BDL	0.19	11	4.3
8	River River Sutlej U/S Buddha Nallah	1690	12.12.23	SW 277	ZO Lab LDH	10	60	58	197	170	14	28	120	28	12.2	142	BDL	1.0	3.2	1.6	0.20	0.19	9.8	3
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12.12.23	SW 279	ZO Lab LDH	154	140	104	399	319	40	56	198	48.8	18.5	240	BDL	5.2	4.2	7.8	1.8	0.33	58	9
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	13.12.23	SW 283	ZO Lab LDH	32	50	84	266	216	33	46	158	40.8	13.6	140	BDL	2.6	3.1	3.6	0.81	0.27	23	4.2
11	River River Sutlej at D/s East Bein	1381	13.12.23	SW 284	ZO Lab LDH	40	65	95	306	247	39	48	156	41.6	12.6	162	BDL	2.8	3.3	4.2	0.92	0.28	32	6.6
12	River River Sutlej at Harike	1022	13.12.23	SW 285	ZO Lab LDH	18	85	122	267	224	32	36	132	31.2	13.1	144	BDL	1.1	2.9	1.7	0.32	0.23	25	4.8
13	Harike Lake D/S from canal	1382	15/12/2023	516	ZO Lab, Jal	14	32	25	157	120	12	10	140	36	12	98	BDL	0.9	0.93	1.7	0.21	0.19	9.8	3.4
14	D/S Harike lake	1297	<b>No flow observed, stagnated, hence sample not collected.</b>																					
15	U/S Hussainiwala H/W Ferozepur	1691	14.12.23	SW 289	ZO Lab LDH	10	21	18	171	148	13	23	116	31.2	9.2	96	BDL	0.8	2.2	1.6	BDL	0.17	8.2	3.7
16	D/S Hussainiwala H/W Ferozepur	1692	14.12.23	SW 290	ZO Lab LDH	12	24	20	174	149	12	25	112	29.6	9.2	100	BDL	0.8	2.1	1.6	BDL	0.17	11.3	4

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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 $\mu$ 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	05/12/2023	478	ZO Lab, Jal	8.2	8.1	1.2	208	70	21	0.056	0.42	BDL	B	S
18	River Beas at U/S Pathankot	1694	05/12/2023	480	ZO Lab, Jal	8.1	8.1	1.2	296	170	63	0.052	0.24	0.17	B	S
19	River Beas at D/S Pathankot	1695	05/12/2023	481	ZO Lab, Jal	8.1	7.8	1.1	278	220	70	0.033	0.35	0.20	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	05/12/2023	479	ZO Lab, Jal	8.0	7.9	1.1	321	170	46	0.040	0.43	0.13	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	12/12/2023	496	ZO Lab, Jal	8.1	8	1.2	270	250	110	0.059	0.27	0.35	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	12/12/2023	497	ZO Lab, Jal	8.1	7.5	1	238	220	79	0.046	0.28	0.16	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	12/12/2023	498	ZO Lab, Jal	8.2	7.4	1.2	244	260	140	0.072	0.28	0.27	B	S
24	River Beas at U/s Goindwal	1696	15/12/2023	513	ZO Lab, Jal	8.0	8.9	1	235	250	110	0.025	0.30	0.14	B	S
25	River Beas at D/s Goindwal	1012	15/12/2023	514	ZO Lab, Jal	8.1	8.8	1.1	226	270	140	0.046	0.29	0.19	B	S
26	Beas at Harike	1697	15/12/2023	515	ZO Lab, Jal	8.1	8.8	1.1	237	330	170	0.052	0.27	0.15	B	S

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	05/12/2023	ZO Lab, Jal	14	36	12	118	95	12	9	88	17	11	65	BDL	0.7	0.82	1.6	0.15	0.13	9.1	3.3
18	River Beas at U/S Pathankot	1694	05/12/2023	ZO Lab, Jal	11	20	28	168	135	10	12	104	27	9	71	BDL	0.8	0.85	1.7	0.14	0.17	5.7	3.2
19	River Beas at D/S Pathankot	1695	05/12/2023	ZO Lab, Jal	10	35	23	165	138	10	9	136	36	11	113	BDL	0.5	0.78	1.5	0.16	0.15	9.5	3
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	05/12/2023	ZO Lab, Jal	11	38	24	182	148	14	12	162	46	11	63	BDL	0.8	0.89	1.7	0.19	0.17	12.6	3.4
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	12/12/2023	ZO Lab, Jal	15	40	31	161	128	14	10	182	46	16	102	BDL	0.9	0.74	1.6	0.14	0.21	8.5	3.4
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	12/12/2023	ZO Lab, Jal	14	35	28	145	110	12	10	132	36	10	92	BDL	0.7	0.82	1.4	0.17	0.19	7.5	3.1
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	12/12/2023	ZO Lab, Jal	16	42	37	149	115	11	13	128	35	10	88	BDL	0.9	0.94	1.8	0.29	0.26	7.3	3.1
24	River Beas at U/s Goindwal	1696	15/12/2023	ZO Lab, Jal	9	38	12	138	112	9	9	106	30	7	94	BDL	0.5	0.8	1.4	0.14	0.14	7	2.9
25	River Beas at D/s Goindwal	1012	15/12/2023	ZO Lab, Jal	10	40	14	140	114	11	10	102	28	8	90	BDL	0.7	0.84	1.6	0.18	0.17	6.8	2.7
26	Beas at Harike	1697	15/12/2023	ZO Lab, Jal	12	36	18	151	120	13	11	134	33	13	109	BDL	0.8	0.88	1.7	0.18	0.18	7.3	3

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## Analysis results of Surface water monitoring under NWMP for the month of December, 2023

## 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 $\mu$ 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	05/12/2023	477	ZO Lab, Jal	8.2	8.5	1.1	207	70	21	BDL	0.15	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 <sub>4</sub> Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	AmnN mg/l	NO <sub>3</sub> -N mg/l	TKN mg/l	PO <sub>4</sub> as P mg/l	F mg/l	Na mg/l	K mg/l
27	Ravi at U/s of Madhopur H/W	1097	05/12/2023	477	ZO Lab, Jal	9	20	17	121	99	8	7	136	34	12	64	BDL	BDL	0.69	BDL	BDL	0.12	4.1	2.7

### Analysis results of Surface water monitoring under NWMP for the month of December, 2023

#### 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 $\mu$ s/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	7/12/23	SW 2596	H/o Lab Patiala	7.7	5.1	9	541	21000	2100	2.06	0.32	0.51	D
2	Ghaggar at Bhankarpur	1295	7/12/23	SW 2597	H/o Lab Patiala	7.8	3.3	15	860	24000	2700	2.10	0.41	0.69	E
3	Ghaggar at Chattbir	1698	7/12/23	SW 2598	H/o Lab Patiala	7.7	3.5	17	847	28000	3200	2.06	0.37	0.68	E
4	Ghaggar at U/s Jharmal Nadi	1702	7/12/23	SW 2599	H/o Lab Patiala	7.5	3.8	13	681	24000	2700	2.01	0.24	0.54	E
5	Ghaggar at D/s Jharmal Nadi	1701	7/12/23	SW 2600	H/o Lab Patiala	7.7	3.3	15	805	28000	3300	2.12	0.37	0.64	E
6	Ghaggar at U/s Dhakanshu Nallah	1699	7/12/23	SW 2601	H/o Lab Patiala	7.6	3.6	13	675	24000	3400	2.02	0.30	0.61	E
7	Ghaggar at D/s Dhakanshu Nallah	1700	7/12/23	SW 2602	H/o Lab Patiala	7.6	3.2	18	891	28000	3800	2.30	0.31	0.79	E
8	Ghaggar at Rattanheri	1473	8/12/23	SW 2610	H/o Lab Patiala	7.8	3.0	19	910	35000	4600	2.25	0.47	0.78	E
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/12/23	SW 2611	H/o Lab Patiala	7.8	3.3	18	853	35000	3900	2.04	0.45	0.73	E
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/12/23	SW 2612	H/o Lab Patiala	7.9	2.8	20	953	35000	4700	2.16	0.56	0.80	E
11	Ghaggar at Khanauri	1024	8/12/23	SW 2615	H/o Lab Patiala	7.8	3.2	18	921	35000	4600	2.07	0.46	0.78	E
12	Ghaggar at Moonak	1703	8/12/23	SW 2617	H/o Lab Patiala	7.8	3.0	21	981	43000	7000	2.11	0.47	0.84	E
13	Ghaggar at U/s Sardulgarh	1705	14/12/23	SW 2620	H/o Lab Patiala	7.5	5.8	12	575	21000	2200	1.51	0.21	0.50	D
14	Ghaggar at D/s Sardulgarh	1704	14/12/23	SW 2621	H/o Lab Patiala	7.6	5.2	13	661	22000	3100	1.85	0.29	0.55	D

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1	Ghaggar at Mubarikpur Rest House	1023	7/12/23	SW 2596	H/o Lab Patiala	43	410	431	351	300	39	10	156	41	13	241	BDL	10.5	1.0	14.7	1.4	1.1	59	14
2	Ghaggar at Bhankarpur	1295	7/12/23	SW 2597	H/o Lab Patiala	78	450	435	561	477	83	19	327	91	24	293	BDL	11.8	1.6	16.5	1.7	1.3	87	49
3	Ghaggar at Chattbir	1698	7/12/23	SW 2598	H/o Lab Patiala	83	460	458	553	471	85	22	316	85	25	297	BDL	12.2	1.7	17.1	1.5	1.3	84	41
4	Ghaggar at U/s Jharmal Nadi	1702	7/12/23	SW 2599	H/o Lab Patiala	62	390	372	441	375	56	16	218	59	17	269	BDL	11.9	1.3	16.7	1.4	1.1	68	33
5	Ghaggar at D/s Jharmal Nadi	1701	7/12/23	SW 2600	H/o Lab Patiala	75	410	398	524	447	83	19	296	84	21	283	BDL	12.3	1.5	17.2	1.6	1.3	84	32
6	Ghaggar at U/s Dhakanshu Nallah	1699	7/12/23	SW 2601	H/o Lab Patiala	61	270	295	438	373	51	15	220	60	17	267	BDL	12.1	1.2	16.9	1.3	1.3	69	35
7	Ghaggar at D/s Dhakanshu Nallah	1700	7/12/23	SW 2602	H/o Lab Patiala	81	340	329	578	493	84	24	331	88	27	298	BDL	12.4	1.9	17.4	1.7	1.4	96	49
8	Ghaggar at Rattanheri	1473	8/12/23	SW 2610	H/o Lab Patiala	85	340	348	591	503	89	28	345	95	26	296	BDL	13.4	2.2	18.8	2.3	1.7	96	48
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/12/23	SW 2611	H/o Lab Patiala	80	320	328	557	478	83	24	328	90	25	291	BDL	12.9	2.1	18.1	2.1	1.4	85	43
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/12/23	SW 2612	H/o Lab Patiala	88	370	364	619	531	90	29	381	98	33	315	BDL	12.4	2.3	17.4	2.4	1.7	97	51
11	Ghaggar at Khanauri	1024	8/12/23	SW 2615	H/o Lab Patiala	85	360	358	601	513	88	27	390	92	39	296	BDL	13.0	2.3	18.2	2.3	1.6	94	50
12	Ghaggar at Moonak	1703	8/12/23	SW 2617	H/o Lab Patiala	95	380	403	641	547	91	29	410	98	40	324	BDL	13.5	2.4	18.9	2.4	1.7	98	53
13	Ghaggar at U/s Sardulgarh	1705	14/12/23	SW 2620	H/o Lab Patiala	51	40	54	374	319	40	15	184	47	16	256	BDL	10.6	1.1	14.8	1.6	1.1	47	27
14	Ghaggar at D/s Sardulgarh	1704	14/12/23	SW 2621	H/o Lab Patiala	63	50	63	429	365	50	20	206	51	19	278	BDL	11.7	1.3	16.4	1.7	1.1	61	31

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	13/12/23	SW 2618	H.O. Lab Patiala	7.7	BDL	151	551	350000	120000	0.32	6.85	1.63	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/12/23	SW 2619	H.O. Lab Patiala	7.8	BDL	78	2893	350000	110000	0.92	3.29	1.39	E
3	Point Source B/N	2914	12.12.23	SW 278	ZO Lab Ldh	7.5	BDL	100	1169	35,00,000	12,00,000	0.280	4.06	0.88	E
4	Kali Bein into Beas	2913	11/12/2023	493	ZO Lab, Jal	7.6	7.8	3.0	396	2700	930	0.028	0.69	0.58	C
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	<b>Drain was found dried, hence sample could not be collected</b>												
6	Tungdab drain at fatehgarh churian, Amritsar	2910	15/12/2023	518	ZO Lab, Jal	7.1	BDL	148	2696	280000	140000	0.023	5.01	0.44	E
7	Hundiara drain before entering Pakistan	2907	15/12/2023	519	ZO Lab, Jal	7.5	BDL	60	1525	94000	46000	0.300	3.22	0.56	E
8	Pathlawa Drain	2911	<b>Drain was found dried, hence sample could not be collected</b>												
9	Ranjit Sagar Reservoir	2912	05/12/2023	476	ZO Lab, Jal	8.3	8.6	1	178	63	17	BDL	0.20	BDL	B
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	7/12/23	SW 2604	H.O. Lab Patiala	7.4	BDL	43	1853	280000	110000	0.18	2.23	1.29	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	8/12/23	SW 2613	H.O. Lab Patiala	7.7	BDL	29	1671	43000	7000	0.35	2.30	0.97	E
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	7/12/23	SW 2608	H.O. Lab Patiala	7.8	BDL	95	3081	430000	140000	0.93	3.94	1.45	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	11.12.23	SW 268	ZO Lab LDH	8.1	8.1	1.2	388	240	130	BDL	0.81	0.19	B

- 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 December, 2023

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 <sub>4</sub> Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	P.Alkn mg/l	Amn-N mg/l	NO <sub>3</sub> -N mg/l	TKN mg/l	PO <sub>4</sub> 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	13/12/23	SW 2618	H.O. Lab Patiala	483	750	748	3616	3081	715	248	2337	477	278	1097	BDL	10.6	6.1	14.8	7.3	6.0	761	301
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/12/23	SW 2619	H.O. Lab Patiala	243	490	480	1873	1597	273	167	1400	275	173	498	BDL	26.4	4.5	37.0	6.8	5.8	283	300
3	Point Source B/N	2914	12.12.23	SW 278	ZO Lab Ldh	360	170	322	748	531	86	98	248	58.4	24.8	396	BDL	14	5.2	20	5.0	0.45	147	20
4	Kali Bein into Beas	2913	11/12/2023	493	ZO Lab, Jal	18	24	18	242	178	15	15	175	45	15	152	BDL	1.1	1.2	1.8	0.25	0.24	21	5.5
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	<b>Drain was found dried, hence sample could not be collected</b>																					
6	Tungdab drain at fatehgarh churian, Amritsar	2910	15/12/2023	518	ZO Lab, Jal	380	369	371	1542	962	321	158	510	126	48	560	BDL	23	4	37	2.1	0.55	260	20
7	Hundiara drain before entering Pakistan	2907	15/12/2023	519	ZO Lab, Jal	200	372	348	910	582	129	68	388	94	37	440	BDL	15	3.2	22	1.6	0.42	146	22
8	Pathlawa Drain	2911	<b>Drain was found dried, hence sample could not be collected</b>																					
9	Ranjit Sagar Reservoir	2912	05/12/2023	476	ZO Lab, Jal	8	7	BDL	105	82	9	7	90	24	7.3	70	BDL	BDL	0.63	BDL	BDL	0.11	4.3	2.8
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	7/12/23	SW 2604	H.O. Lab Patiala	147	120	110	1207	1031	169	129	1036	215	121	367	BDL	11.9	4.0	16.7	4.3	5.1	165	119
11	Sagar Para Drain at village sagra dist.Patiala	4158	8/12/23	SW 2613	H.O. Lab Patiala	93	100	119	1091	931	145	123	948	193	113	339	BDL	11.5	3.1	16.1	3.7	4.3	163	93
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	7/12/23	SW 2608	H.O. Lab Patiala	298	310	338	2010	1710	311	209	1711	391	178	429	BDL	26.6	5.9	36.8	6.4	6.9	374	149
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	11.12.23	SW 268	ZO Lab LDH	9	23	36	247	218	32	39	138	36.8	11.2	126	BDL	BDL	4.7	BDL	BDL	0.22	22	9.1

Note. 1. BDL means Below Method Detection Limit

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