

Analysis results of Surface water monitoring under NWMP for the month of November, 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 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	03.11.23	SW 198	ZO Lab LDH	7.6	7.6	BDL	227	70	23	BDL	0.16	BDL	B
2	River River Sutlej at D/S NFL	1380	03.11.23	SW 199	ZO Lab LDH	7.7	7.7	BDL	254	94	23	BDL	0.16	BDL	B
3	River Sutlej at 100m D/s PACL Nangal	2915	03.11.23	SW 200	ZO Lab LDH	7.6	7.8	BDL	250	94	23	BDL	0.15	BDL	B
4	River River Sutlej at D/s Nangal	1018	03.11.23	SW 201	ZO Lab LDH	7.6	7.8	BDL	256	84	46	0.02	0.13	0.13	B
5	River River Sutlej at Kiratpur Sahib	1814	06.11.23	SW 204	ZO Lab LDH	8.0	8.6	BDL	269	120	38	BDL	0.18	0.15	B
6	Ropar Head-Works	1019	06.11.23	SW 209	ZO Lab LDH	8.0	7.2	BDL	322	540	220	0.03	0.36	0.16	C
7	River River Sutlej D/S of Rishab- Paper Mills	1293	06.11.23	SW 213	ZO Lab LDH	8.4	8.3	BDL	326	540	140	BDL	0.46	0.30	C
8	River River Sutlej U/S Buddha Nallah	1690	08.11.23	SW 217	ZO Lab LDH	7.9	7.4	BDL	314	790	270	0.050	0.32	0.28	C
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	08.11.23	SW 219	ZO Lab LDH	7.4	1.4	26	923	3,50,000	1,70,000	0.087	2.94	0.44	E
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	10.11.23	SW 224	ZO Lab LDH /HO Lab PAT	7.8	5.7	5	472	70,000	23,000	0.073	1.16	0.27	D
11	River River Sutlej at D/s East Bein	1381	10.11.23	SW 225	ZO Lab LDH /HO Lab PAT	7.8	5.4	6	492	84,000	31,000	0.084	1.23	0.38	D
12	River Sutlej at Harike	1022	10.11.23	SW 226	ZO Lab LDH /HO Lab PAT	7.9	5.8	2.3	422	4300	1700	0.045	1.12	0.25	C
13	Harike Lake D/S from canal	1382	09/11/2023	450	ZO Lab, Jal	8.1	8.1	1.3	242	2100	700	0.059	0.41	0.25	C
14	D/S Harike lake	1297	No flow observed, stagnated, hence sample not collected												
15	U/S Hussainiwala H/W Ferozepur	1691	17.11.23	SW 230	ZO Lab LDH /HO Lab PAT	7.6	8.9	1.4	294	1100	330	BDL	0.40	0.40	C
16	D/S Hussainiwala H/W Ferozepur	1692	17.11.23	Sw 231	ZO Lab LDH /HO Lab PAT	7.7	8.8	1.6	293	1200	270	BDL	0.38	0.38	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.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	03.11.23	SW 198	ZO Lab LDH	BDL	9	13	134	120	6	32	96	23.2	9.2	76	BDL	BDL	1.8	BDL	BDL	0.13	3.5	1.9
2	River River Sutlej at D/S NFL	1380	03.11.23	SW 199	ZO Lab LDH	BDL	8	9	152	134	8	32	104	24.8	10.2	80	BDL	BDL	2	BDL	BDL	0.14	3.7	1.9
3	River Sutej at 100m D/s PACL Nangal	2915	03.11.23	SW 200	ZO Lab LDH	BDL	8	10	154	136	6	30	108	24.8	11.2	76	BDL	BDL	2.1	BDL	BDL	0.16	3.7	1.8
4	River River Sutlej atD/s Nangal	1018	03.11.23	SW 201	ZO Lab LDH	BDL	10	12	160	142	10	32	112	25.6	11.7	82	BDL	0.8	2.2	1.6	BDL	0.15	3.1	1.9
5	River River Sutlej at Kiratpur Sahib	1814	06.11.23	SW 204	ZO Lab LDH	BDL	8	12	167	144	6	46	118	31.2	9.7	94	BDL	BDL	1.5	BDL	BDL	0.20	4.4	2.1
6	Ropar Head-Works	1019	06.11.23	SW 209	ZO Lab LDH	BDL	21	35	205	182	14	26	136	36	11.2	112	BDL	0.6	2	BDL	BDL	0.24	9.7	2.7
7	River River Sutlej D/S of Rishab-Paper Mills	1293	06.11.23	SW 213	ZO Lab LDH	BDL	44	56	206	182	21	29	138	36.8	11.2	116	BDL	BDL	1.9	BDL	BDL	0.21	12.4	4.1
8	River River Sutlej U/S Buddha Nallah	1690	08.11.23	SW 217	ZO Lab LDH	BDL	21	21	212	176	24	32	156	40.8	13.1	118	BDL	1.2	3.3	1.7	0.18	0.18	9.2	3.6
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	08.11.23	SW 219	ZO Lab LDH	106	95	126	582	486	140	64	202	55.2	15.6	220	BDL	5.8	3.9	8.7	2.1	0.34	96	32
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	10.11.23	SW 224	ZO Lab LDH	24	85	110	292	246	39	55	154	41.6	12.2	136	BDL	2.1	3.8	2.8	0.76	0.25	33	5.4
11	River River Sutlej at D/s East Bein	1381	10.11.23	SW 225	ZO Lab LDH	28	95	122	307	252	45	50	162	44	12.6	144	BDL	2.4	6.3	3.3	0.86	0.27	36	6
12	River River Sutlej at Harike	1022	10.11.23	SW 226	ZO Lab LDH	14	85	116	264	228	25	41	148	40	11.7	144	BDL	1.0	3.2	1.6	0.31	0.24	31.2	5.2
13	Harike Lake D/S from canal	1382	09/11/2023	450	ZO Lab, Jal	11	62	50	152	122	17	15	112	29	9.7	99	BDL	0.9	1	1.5	0.20	0.18	10	3.7
14	D/S Harike lake	1297	No flow observed, stagnated, hence sample not collected																					
15	U/S Hussainiwala H/W Ferozepur	1691	17.11.23	SW 230	ZO Lab LDH	8	23	31	181	157	22	24	102	27.2	8.3	110	BDL	BDL	2.6	BDL	BDL	0.21	9.2	3.2
16	D/S Hussainiwala H/W Ferozepur	1692	17.11.23	Sw 231	ZO Lab LDH	9	24	36	178	156	20	21	104	28	8.3	110	BDL	BDL	2.8	BDL	BDL	0.20	9	3.3

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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	07/11/2023	438	ZO Lab, Jal	7.4	6.7	1.2	204	79	27	0.011	0.33	0.13	B	S
18	River Beas at U/S Pathankot	1694	07/11/2023	440	ZO Lab, Jal	7.9	8.8	1.1	254	120	33	0.032	0.43	0.21	B	S
19	River Beas at D/S Pathankot	1695	07/11/2023	441	ZO Lab, Jal	7.5	8.5	1	295	170	58	0.012	0.43	0.25	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/11/2023	439	ZO Lab, Jal	7.5	8.6	1.2	267	110	33	0.012	0.45	0.16	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/11/2023	442	ZO Lab, Jal	7.6	8.4	1.1	227	220	70	0.018	0.36	0.23	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/11/2023	443	ZO Lab, Jal	8.1	7.8	BDL(<1.0)	218	210	63	0.052	0.31	0.30	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/11/2023	445	ZO Lab, Jal	7.8	7.8	1.3	255	220	70	0.025	0.33	0.32	B	S
24	River Beas at U/s Goindwal	1696	09/11/2023	447	ZO Lab, Jal	8.1	8.3	1.1	226	250	110	0.039	0.34	0.28	B	S
25	River Beas at D/s Goindwal	1012	09/11/2023	448	ZO Lab, Jal	7.9	8.2	1.1	218	280	130	0.032	0.37	0.31	B	S
26	Beas at Harike	1697	09/11/2023	449	ZO Lab, Jal	7.9	8.4	1	221	310	170	0.032	0.42	0.26	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	07/11/2023	ZO Lab, Jal	11	24	12	128	105	12	10	106	29	8	75	BDL	0.7	0.92	1.5	0.18	0.14	7.8	2.9
18	River Beas at U/S Pathankot	1694	07/11/2023	ZO Lab, Jal	13	38	22	148	124	13	11	110	30	8	111	BDL	0.7	0.88	1.6	0.16	0.19	10.3	3.6
19	River Beas at D/S Pathankot	1695	07/11/2023	ZO Lab, Jal	8	45	32	152	121	11	11	96	26	8	100	BDL	0.6	0.79	1.6	0.14	0.15	9.8	3.4
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	07/11/2023	ZO Lab, Jal	9	35	26	165	136	14	9	112	28	10	106	BDL	0.6	0.84	1.4	0.17	0.18	11	3.3
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/11/2023	ZO Lab, Jal	8	78	48	138	118	15	16	110	25	12	92	BDL	0.7	0.98	1.8	0.17	0.16	8.7	3.2
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/11/2023	ZO Lab, Jal	9	75	34	134	104	13	14	114	28	11	94	BDL	0.8	0.92	1.8	0.16	0.16	7.5	3.1
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/11/2023	ZO Lab, Jal	14	80	38	147	122	14	14	118	31	10	106	BDL	0.7	0.96	1.5	0.28	0.18	8.3	3.3
24	River Beas at U/s Goindwal	1696	09/11/2023	ZO Lab, Jal	9	82	44	133	105	11	12	98	25	9	96	BDL	0.6	0.81	1.3	0.14	0.16	7.8	2.9
25	River Beas at D/s Goindwal	1012	09/11/2023	ZO Lab, Jal	10	85	46	136	116	12	11	106	30	8	94	BDL	0.7	0.78	1.2	0.15	0.15	8.8	3.6
26	Beas at Harike	1697	09/11/2023	ZO Lab, Jal	10	88	49	138	118	13	13	112	30	9	88	BDL	0.7	0.82	1.4	0.17	0.15	10.2	3.8

Note. 1. BDL means Below Method Detection Limit

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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	07/11/2023	437	ZO Lab, Jal	8.2	9.1	BDL(<1.0)	196	84	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 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	07/11/2023	437	ZO Lab, Jal	8	15	14	130	102	12	11	108	28	9.2	78	BDL	BDL	0.61	BDL	BDL	0.11	3.5	2.6

Analysis results of Surface water monitoring under NWMP for the month of November, 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 μ 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	6/11/23	2451	H/o Lab Patiala	7.8	5.3	9	510	22000	2700	2.06	0.36	0.49	D
2	Ghaggar at Bhankarpur	1295	6/11/23	2452	H/o Lab Patiala	7.7	3.8	14	831	28000	3200	2.10	0.35	0.68	E
3	Ghaggar at Chattbir	1698	6/11/23	2453	H/o Lab Patiala	7.6	3.7	16	824	28000	3800	2.05	0.30	0.62	E
4	Ghaggar at U/s Jharmal Nadi	1702	6/11/23	2454	H/o Lab Patiala	7.8	4.0	12	645	24000	3400	2.01	0.41	0.51	D
5	Ghaggar at D/s Jharmal Nadi	1701	6/11/23	2455	H/o Lab Patiala	7.7	3.6	16	778	28000	3900	2.08	0.36	0.61	E
6	Ghaggar at U/s Dhakanshu Nallah	1699	6/11/23	2456	H/o Lab Patiala	7.6	3.3	13	648	28000	3200	2.03	0.30	0.58	E
7	Ghaggar at D/s Dhakanshu Nallah	1700	6/11/23	2457	H/o Lab Patiala	7.7	3.0	17	827	28000	4600	2.11	0.37	0.69	E
8	Ghaggar at Rattanheri	1473	8/11/23	2489	H/o Lab Patiala	7.7	2.9	16	872	35000	4900	2.20	0.39	0.71	E
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/11/23	2490	H/o Lab Patiala	7.8	3.0	15	819	35000	4600	2.05	0.44	0.68	E
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/11/23	2491	H/o Lab Patiala	7.9	2.4	19	906	3500	5800	2.18	0.56	0.78	E
11	Ghaggar at Khanauri	1024	8/11/23	2494	H/o Lab Patiala	7.9	3.1	17	861	35000	4600	2.16	0.52	0.69	E
12	Ghaggar at Moonak	1703	8/11/23	2496	H/o Lab Patiala	7.9	2.7	20	931	43000	6300	2.12	0.60	0.79	E
13	Ghaggar at U/s Sardulgarh	1705	14/11/23	2499	H/o Lab Patiala	7.8	6.5	11	511	21000	2100	1.47	0.36	0.48	D
14	Ghaggar at D/s Sardulgarh	1704	14/11/23	2500	H/o Lab Patiala	7.9	6.0	13	610	24000	2700	1.84	0.51	0.52	D

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1	Ghaggar at Mubarikpur Rest House	1023	6/11/23	2451	H/o Lab Patiala	39	430	442	331	283	35	9	140	38	11	235	BDL	10.3	1.1	14.4	1.3	1.0	56	12
2	Ghaggar at Bhankarpur	1295	6/11/23	2452	H/o Lab Patiala	72	430	438	542	462	80	18	311	88	22	286	BDL	11.6	1.5	16.2	1.6	1.2	85	46
3	Ghaggar at Chattbir	1698	6/11/23	2453	H/o Lab Patiala	80	460	451	538	458	82	20	303	83	23	291	BDL	12.0	1.6	16.8	1.6	1.1	82	39
4	Ghaggar at U/s Jharmal Nadi	1702	6/11/23	2454	H/o Lab Patiala	60	470	398	419	357	50	14	205	57	15	261	BDL	11.7	1.2	16.4	1.3	1.0	66	31
5	Ghaggar at D/s Jharmal Nadi	1701	6/11/23	2455	H/o Lab Patiala	79	430	410	508	433	80	18	281	81	19	278	BDL	12.1	1.4	16.9	1.5	1.2	80	30
6	Ghaggar at U/s Dhakanshu Nallah	1699	6/11/23	2456	H/o Lab Patiala	62	450	303	421	358	49	13	207	58	15	262	BDL	11.9	1.1	16.7	1.2	1.1	67	32
7	Ghaggar at D/s Dhakanshu Nallah	1700	6/11/23	2457	H/o Lab Patiala	83	280	338	538	458	51	22	307	83	24	288	BDL	12.3	1.8	17.2	1.6	1.3	85	39
8	Ghaggar at Rattanheri	1473	8/11/23	2489	H/o Lab Patiala	80	320	351	568	483	84	26	341	88	27	289	BDL	13.1	2.1	18.3	2.2	1.6	92	46
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	8/11/23	2490	H/o Lab Patiala	78	330	340	533	454	81	22	304	82	24	283	BDL	12.7	2.0	17.8	2.0	1.5	82	41
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	8/11/23	2491	H/o Lab Patiala	89	310	360	588	501	86	27	351	91	30	298	BDL	12.5	2.2	17.5	2.2	1.6	94	49
11	Ghaggar at Khanauri	1024	8/11/23	2494	H/o Lab Patiala	84	360	352	560	477	81	24	330	86	28	287	BDL	12.9	2.0	18.1	2.1	1.4	90	48
12	Ghaggar at Moonak	1703	8/11/23	2496	H/o Lab Patiala	91	350	59	608	518	88	28	365	93	32	315	BDL	13.3	2.3	18.6	2.2	1.5	93	51
13	Ghaggar at U/s Sardulgarh	1705	14/11/23	2499	H/o Lab Patiala	47	370	67	333	284	35	14	156	39	14	231	BDL	10.4	1.1	14.6	1.6	1.1	42	23
14	Ghaggar at D/s Sardulgarh	1704	14/11/23	2500	H/o Lab Patiala	58	50	710	395	338	47	18	188	47	17	249	BDL	11.3	1.2	15.8	1.6	1.1	58	29

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	9/11/2023	2497	H.O. Lab Patiala	7.8	BDL	146	5361	430000	140000	0.36	6.75	1.42	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	9/11/2023	2498	H.O. Lab Patiala	7.8	BDL	76	2691	280000	120000	0.96	3.44	1.31	E
3	Point Source B/N	2914	08.11.23	SW 218	ZO Lab Ldh	7.4	BDL	140	1601	54,00,000	11,00,000	0.315	4.81	0.76	E
4	Kali Bein into Beas	2913	21/11/2023	468	ZO Lab, Jal	7.5	5.1	2.6	362	2100	680	0.020	0.70	0.85	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	09/11/2023	452	ZO Lab, Jal	7.1	BDL	247	2657	3,50,000	1,20,000	0.025	3.70	0.82	E
7	Hundiara drain before entering Pakistan	2907	09/11/2023	453	ZO Lab, Jal	7.2	BDL	101	1495	1,10,000	79,000	0.160	2.55	0.93	E
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected												
9	Ranjit Sagar Reservoir	2912	07/11/2023	436	ZO Lab, Jal	7.9	9.0	BDL(<1.0)	192	94	22	BDL	0.14	BDL	B
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	6/11/23	2459	H.O. Lab Patiala	7.3	BDL	51	1712	350000	120000	0.12	2.17	1.13	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	8/11/23	2492	H.O. Lab Patiala	7.8	1.0	27	1635	43000	8400	0.39	2.40	0.86	E
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	6/11/23	2463	H.O. Lab Patiala	7.4	BDL	91	2781	350000	130000	0.39	4.11	1.30	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	06.11.23	SW 206	ZO Lab LDH	8.3	9.7	BDL	357	350	94	BDL	0.81	0.20	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 November, 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 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	9/11/2023	2497	H.O. Lab Patiala	478	60	468	3478	2958	693	231	2248	468	262	1057	BDL	10.2	5.9	14.3	6.6	5.5	735	291
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	9/11/2023	2498	H.O. Lab Patiala	238	730	135	1751	1490	260	155	1192	261	131	468	BDL	25.9	4.2	36.3	6.1	5.2	273	298
3	Point Source B/N	2914	08.11.23	SW 218	ZO Lab Ldh	480	180	324	1021	745	240	82	360	97.6	28.2	414	BDL	21	5.1	30	5.3	0.46	210	48
4	Kali Bein into Beas	2913	21/11/2023	468	ZO Lab, Jal	18	25	21	231	179	14	11	185	47	16	165	BDL	1.0	1.3	1.6	0.24	0.25	22	5.3
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	09/11/2023	452	ZO Lab, Jal	600	398	462	1560	939	370	202	540	128	54	595	BDL	25	4.1	40	2.0	0.52	198	30
7	Hundiara drain before entering Pakistan	2907	09/11/2023	453	ZO Lab, Jal	312	352	386	843	531	122	74	405	102	37	492	BDL	16	3.4	25	1.4	0.38	118	18
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	07/11/2023	436	ZO Lab, Jal	7	7	BDL	120	98	10	8	100	26	8.7	70	BDL	BDL	0.53	BDL	BDL	0.11	3.3	2.1
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	6/11/23	2459	H.O. Lab Patiala	158	470	111	1115	951	158	119	958	202	110	359	BDL	11.7	3.7	16.4	3.9	4.8	154	101
11	Sagar Para Drain at village sagra dist.Patiala	4158	8/11/23	2492	H.O. Lab Patiala	96	100	327	962	819	138	107	823	168	98	325	BDL	11.1	2.8	15.5	3.2	4.0	158	80
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	6/11/23	2463	H.O. Lab Patiala	292	90	290	1812	1541	292	198	1517	363	148	410	BDL	25.8	5.1	36.1	6.0	6.3	368	135
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	06.11.23	SW 206	ZO Lab LDH	BDL	60	80	227	194	25	32	152	39.2	13.1	124	BDL	BDL	3.5	BDL	BDL	0.26	23	3.4

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