

Analysis results of Surface water monitoring under NWMP for the month of September, 2022

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	07.09.2022	SW 292	ZO Lab LDH	8.1	8.3	BDL	228	170	45	BDL	0.15	BDL	B	S
2	River River Sutlej at D/S NFL	1380	07.09.2022	SW 293	ZO Lab LDH	8.3	9.1	BDL	225	200	45	BDL	0.19	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	07.09.2022	SW 294	ZO Lab LDH	8.3	9.2	BDL	226	210	91	BDL	0.19	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	07.09.2022	SW 295	ZO Lab LDH	7.8	10.1	BDL	306	390	110	BDL	0.27	0.15	B	S
5	River River Sutlej at Kiratpur Sahib	1814	08.09.2022	SW 303	ZO Lab LDH	8.1	8.8	BDL	280	580	250	BDL	0.24	0.16	C	S
6	Ropar Head-Works	1019	08.09.2022	SW 306	ZO Lab LDH	7.7	8.6	BDL	292	840	460	BDL	0.31	0.12	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	08.09.2022	SW 307	ZO Lab LDH	8.2	8.4	BDL	280	940	330	BDL	0.28	0.31	C	S
8	River River Sutlej U/S Buddha Nallah	1690	09.09.2022	SW 312	ZO Lab LDH	8.0	6.2	1.2	290	3200	1300	0.050	0.73	0.14	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	09.09.2022	SW 314	ZO Lab LDH	7.4	1.1	22	588	17,00,000	7,00,000	0.072	2.09	0.38	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	12.09.2022	SW 316	ZO Lab LDH	7.3	1.8	10	500	8,40,000	4,60,000	0.036	2.12	0.23	E	U
11	River River Sutlej at D/s East Bein	1381	12.09.2022	SW 317	ZO Lab LDH	7.4	2.2	12	605	11,00,000	4,90,000	0.072	1.46	0.27	E	U
12	River Sutlej at Harike	1022	12.09.2022	SW 318	ZO Lab LDH	7.8	5.8	2.0	220	4700	2000	0.035	0.28	0.32	C	S
13	Harike Lake D/S from canal	1382	20/09/22	481	ZO Lab, Jal	7.6	6.9	1.2	192	940	430	0.03	0.29	0.17	C	S
14	D/S Harike lake	1297	20/09/22	480	ZO Lab, Jal	7.9	7.6	1.1	180	700	330	0.05	0.22	0.25	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	19.09.2022	SW 322	ZO Lab LDH	8.2	7.2	1.1	237	2600	780	BDL	0.30	0.16	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	19.09.2022	SW 323	ZO Lab LDH	8.0	6.9	1.2	242	2700	1100	BDL	0.30	0.29	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

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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	07.09.2022	SW 292	ZO Lab LDH	BDL	BDL	BDL	121	106	6	5	114	31.2	8.7	74	BDL	BDL	1.2	BDL	BDL	0.21	3.7	1.6
2	River River Sutlej at D/S NFL	1380	07.09.2022	SW 293	ZO Lab LDH	BDL	1	BDL	133	114	7	6	104	28.8	7.8	78	BDL	BDL	1.4	BDL	BDL	0.25	4.5	1.7
3	River Sutej at 100m D/s PACL Nangal	2915	07.09.2022	SW 294	ZO Lab LDH	BDL	2	BDL	132	115	6	6	106	29.6	7.8	76	BDL	BDL	1.5	BDL	BDL	0.24	4.5	1.7
4	River River Sutlej atD/s Nangal	1018	07.09.2022	SW 295	ZO Lab LDH	BDL	2	BDL	172	148	12	7	142	37.6	11.7	114	BDL	BDL	1.2	BDL	BDL	0.26	7.3	2.7
5	River River Sutlej at Kiratpur Sahib	1814	08.09.2022	SW 303	ZO Lab LDH	BDL	6	BDL	160	137	7	6	114	30.4	9.2	94	BDL	BDL	1.3	BDL	BDL	0.21	5.9	1.6
6	Ropar Head-Works	1019	08.09.2022	SW 306	ZO Lab LDH	BDL	14	22	166	142	10	7	116	31.2	9.2	92	BDL	BDL	1.6	BDL	BDL	0.24	7.6	1.7
7	River River Sutlej D/S of Rishab-Paper Mills	1293	08.09.2022	SW 307	ZO Lab LDH	BDL	13	20	150	132	9	8	102	28	7.8	86	BDL	BDL	1.4	BDL	BDL	0.29	6.6	2.0
8	River River Sutlej U/S Buddha Nallah	1690	09.09.2022	SW 312	ZO Lab LDH	7	40	55	171	145	12	10	116	32	8.7	88	BDL	1.0	1.6	1.3	0.22	0.39	18.0	5.7
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	09.09.2022	SW 314	ZO Lab LDH	98	90	140	355	297	75	32	172	44.8	14.6	138	BDL	3.6	1.6	4.8	1.22	0.44	63	19
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	12.09.2022	SW 316	ZO Lab LDH	48	70	126	315	266	71	31	142	45.6	6.8	126	BDL	2.8	1.3	3.6	0.64	0.34	58	16
11	River River Sutlej at D/s East Bein	1381	12.09.2022	SW 317	ZO Lab LDH	58	75	134	364	304	62	22	150	37.6	13.6	142	BDL	3.8	1.6	4.8	0.66	0.33	41	12
12	River River Sutlej at Harike	1022	12.09.2022	SW 318	ZO Lab LDH	14	70	114	126	110	11	10	86	22.4	7.3	86	BDL	1.0	1.3	1.3	0.23	0.22	5.9	1.9
13	Harike Lake D/S from canal	1382	20/09/22	481	ZO Lab, Jal	10	34	61	122	96	14	11	92	21.6	9.2	76	BDL	1.1	1.2	1.7	BDL	BDL	6.4	2.9
14	D/S Harike lake	1297	20/09/22	480	ZO Lab, Jal	10	45	74	128	96	16	13	94	22.4	9.2	78	BDL	1.0	1.4	1.5	BDL	BDL	4.9	2.7
15	U/S Hussainiwala H/W Ferozepur	1691	19.09.2022	SW 322	ZO Lab LDH	6	22	32	140	120	12	11	92	24	7.8	92	BDL	BDL	1.2	BDL	BDL	0.21	6.7	1.9
16	D/S Hussainiwala H/W Ferozepur	1692	19.09.2022	SW 323	ZO Lab LDH	7	20	28	142	123	10	10	94	24.8	7.8	94	BDL	BDL	1.2	BDL	BDL	0.22	6.8	1.9

Note. 1. BDL means Below Method Detection Limit
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River Beas

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17	River Beas at Talwara H/W	1693	14/09/22	461	ZO Lab, Jal	7.2	6.8	1.0	159	140	26	BDL	0.26	BDL	B	S
18	River Beas at U/S Pathankot	1694	14/09/22	463	ZO Lab, Jal	7.3	7.4	1.2	170	390	210	0.01	0.24	0.15	B	S
19	River Beas at D/S Pathankot	1695	14/09/22	464	ZO Lab, Jal	7.3	8.0	1.0	180	480	260	0.01	0.19	0.23	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	14/09/22	462	ZO Lab, Jal	7.1	7.4	1.1	168	340	170	BDL	0.28	0.12	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	15/09/22	470	ZO Lab, Jal	7.5	7.0	1.1	223	490	230	0.02	0.44	0.28	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	15/09/22	476	ZO Lab, Jal	7.8	8.3	BDL	220	330	170	0.04	0.29	0.21	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	20/09/22	485	ZO Lab, Jal	7.6	8.8	1.0	183	390	210	0.03	0.22	0.16	B	S
24	River Beas at U/s Goindwal	1696	20/09/22	477	ZO Lab, Jal	7.8	8.2	BDL	176	330	130	0.04	0.23	0.13	B	S
25	River Beas at D/s Goindwal	1012	20/09/22	478	ZO Lab, Jal	7.9	8.5	1.0	170	350	170	0.05	0.21	0.24	B	S
26	Beas at Harike	1697	20/09/22	479	ZO Lab, Jal	8.1	8.5	1.0	182	390	260	0.07	0.25	0.18	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	14/09/22	461	ZO Lab, Jal	8	17	20	97	72	9	8	94	24	8.3	62	BDL	BDL	0.7	BDL	BDL	BDL	5.7	2.8
18	River Beas at U/S Pathankot	1694	14/09/22	463	ZO Lab, Jal	8	42	62	118	92	13	10	92	23.2	8.3	74	BDL	1.0	0.8	1.6	BDL	BDL	5.2	2.6
19	River Beas at D/S Pathankot	1695	14/09/22	464	ZO Lab, Jal	8	39	52	120	90	12	9	94	21.6	9.7	76	BDL	1.1	0.8	1.6	BDL	BDL	4.2	2.6
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	14/09/22	462	ZO Lab, Jal	10	24	40	106	82	12	10	96	24	8.7	64	BDL	0.9	0.9	1.5	BDL	BDL	6.4	5.3
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	15/09/22	470	ZO Lab, Jal	10	36	48	132	105	11	9	98	25.6	8.3	68	BDL	1.1	0.9	1.8	BDL	BDL	10.1	4.8
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	15/09/22	476	ZO Lab, Jal	6	21	40	142	110	16	12	96	24.8	8.3	66	BDL	1.0	1.0	1.6	BDL	BDL	6.5	3.0
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	20/09/22	485	ZO Lab, Jal	8	22	36	110	86	12	11	92	22.4	8.7	70	BDL	1.2	0.9	1.8	BDL	BDL	4.9	2.6
24	River Beas at U/s Goindwal	1696	20/09/22	477	ZO Lab, Jal	6	25	46	119	86	12	12	96	24	8.7	74	BDL	1.0	1.0	1.5	BDL	BDL	5.2	2.8
25	River Beas at D/s Goindwal	1012	20/09/22	478	ZO Lab, Jal	8	29	51	122	95	14	10	94	23.2	8.7	72	BDL	1.0	1.0	1.6	BDL	BDL	4.7	2.6
26	Beas at Harike	1697	20/09/22	479	ZO Lab, Jal	8	33	58	125	90	16	13	96	24.8	8.3	74	BDL	1.1	1.1	1.8	BDL	BDL	5.6	2.6

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	Water Quality Index
27	Ravi at U/s of Madhopur H/W	1097	14/09/22	460	ZO Lab, Jal	7.3	10.2	BDL	158	130	27	BDL	0.10	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	14/09/22	460	ZO Lab, Jal	BDL	13	15	98	76	9	8	80	20	7.3	54	BDL	BDL	0.6	BDL	BDL	BDL	2.1	2.6

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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	B mg/l	Quality of water as per DBDU	Water Quality Index
1	Ghaggar at Mubarikpur Rest House	1023	8/09/22	SW 605	H/o Lab Patiala	7.8	4.7	12	497	24000	3400	1.83	0.49	D	U
2	Ghaggar at Bhankarpur	1295	8/09/22	SW 606	H/o Lab Patiala	7.0	3.1	16	621	28000	3800	1.68	0.59	E	U
3	Ghaggar at Chattbir	1698	8/09/22	SW 607	H/o Lab Patiala	7.3	3.0	17	651	28000	4600	1.68	0.61	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	8/09/22	SW 608	H/o Lab Patiala	7.0	3.4	14	512	24000	3400	1.58	0.50	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	8/09/22	SW 609	H/o Lab Patiala	7.2	3.1	15	643	28000	3900	1.60	0.60	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	8/09/22	SW 611	H/o Lab Patiala	8.0	3.6	14	531	28000	3800	1.58	0.58	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	8/09/22	SW 612	H/o Lab Patiala	7.9	3.0	15	654	28000	4300	1.65	0.67	E	U
8	Ghaggar at Rattanheri	1473	9/09/22	SW 618	H/o Lab Patiala	7.6	2.8	18	710	35000	5800	1.78	0.75	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	9/09/22	SW 619	H/o Lab Patiala	7.7	3.0	17	683	35000	4700	1.75	0.73	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	9/09/22	SW 620	H/o Lab Patiala	7.5	2.6	19	741	35000	6300	1.84	0.81	E	U
11	Ghaggar at Khanauri	1024	9/09/22	SW 623	H/o Lab Patiala	7.9	2.9	19	748	35000	3800	1.75	0.88	E	U
12	Ghaggar at Moonak	1703	9/09/22	SW 625	H/o Lab Patiala	8.0	2.8	20	791	43000	7000	1.75	0.90	E	U
13	Ghaggar at U/s Sardulgarh	1705	The River was dry at the time of sample collection												
14	Ghaggar at D/s Sardulgarh	1704	The River was dry at the time of sample collection												

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1	Ghaggar at Mubarikpur Rest House	1023	8/09/22	SW 605	H/o Lab Patiala	56	460	431	324	277	34	15	136	33	13	219	BDL	11.6	1.0	16.2	1.1	1.2	49	21	
2	Ghaggar at Bhankarpur	1295	8/09/22	SW 606	H/o Lab Patiala	79	410	392	404	344	53	17	218	56	19	243	BDL	12.0	1.1	16.8	1.2	1.2	57	27	
3	Ghaggar at Chattbir	1698	8/09/22	SW 607	H/o Lab Patiala	82	430	415	423	360	56	20	226	59	19	249	BDL	12.4	1.1	17.4	1.3	1.2	58	29	
4	Ghaggar at U/s Jharmal Nadi	1702	8/09/22	SW 608	H/o Lab Patiala	63	380	356	334	285	36	15	155	37	15	224	BDL	11.8	1.1	16.5	1.2	1.0	45	22	
5	Ghaggar at D/s Jharmal Nadi	1701	8/09/22	SW 609	H/o Lab Patiala	78	390	371	417	356	55	22	225	57	20	246	BDL	12.3	1.1	17.2	1.3	1.1	55	28	
6	Ghaggar at U/s Dhakanshu Nallah	1699	8/09/22	SW 611	H/o Lab Patiala	64	360	312	345	294	37	17	161	38	16	231	BDL	12.1	1.0	16.9	1.0	1.1	46	24	
7	Ghaggar at D/s Dhakanshu Nallah	1700	8/09/22	SW 612	H/o Lab Patiala	76	370	334	423	360	58	23	234	59	21	242	BDL	12.5	1.2	17.5	1.2	1.2	58	28	
8	Ghaggar at Rattanheri	1473	9/09/22	SW 618	H/o Lab Patiala	86	410	328	462	393	59	25	254	62	24	263	BDL	13.9	1.2	19.5	1.2	1.2	65	35	
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	9/09/22	SW 619	H/o Lab Patiala	84	400	322	438	394	57	23	231	56	22	259	BDL	13.7	1.2	19.2	1.2	1.1	61	32	
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	9/09/22	SW 620	H/o Lab Patiala	91	415	343	480	409	61	27	267	64	26	271	BDL	13.1	1.2	18.3	1.3	1.2	69	38	
11	Ghaggar at Khanauri	1024	9/09/22	SW 623	H/o Lab Patiala	88	380	310	487	415	63	26	285	68	28	268	BDL	13.8	1.3	19.3	1.3	1.2	68	39	
12	Ghaggar at Moonak	1703	9/09/22	SW 625	H/o Lab Patiala	92	400	346	513	438	69	29	311	73	31	276	BDL	14.2	1.3	19.9	1.3	1.2	71	41	
13	Ghaggar at U/s Sardulgarh	1705	The River was dry at the time of sample collection																						
14	Ghaggar at D/s Sardulgarh	1704	The River was dry at the time of sample collection																						

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	2/09/22	SW 572	H.O. Lab Patiala	7.8	BDL	116	4257	430000	170000	-	5.95	1.62	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	2/09/22	SW 573	H.O. Lab Patiala	8.0	BDL	59	1912	280000	94000	-	2.54	1.38	E	U
3	Point Source B/N	2914	09.09.2022	SW 313	ZO Lab Ldh	7.3	BDL	130	1500	94,00,000	49,00,000	0.246	5.46	0.45	E	U
4	Kali Bein into Beas	2913	12/09/22	455	ZO Lab, Jal	8.1	5.0	2.8	337	3100	1100	0.04	0.86	0.39	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	20/09/22	483	ZO Lab, Jal	7.3	BDL	200	1578	840000	330000	0.42	5.82	0.44	E	U
7	Hundiara drain before entering Pakistan	2907	20/09/22	484	ZO Lab, Jal	7.5	BDL	92	1196	580000	250000	0.72	3.23	0.52	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	14/09/22	459	ZO Lab, Jal	7.2	9.1	BDL	127	120	26	BDL	0.15	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	08/09/22	SW 610	H.O. Lab Patiala	7.0	BDL	52	1098	210000	70000	-	1.84	1.32	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	09/0922	SW 621	H.O. Lab Patiala	7.6	BDL	29	810	43000	8400	--	1.71	0.86	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	08/09/22	SW 616	H.O. Lab Patiala	7.6	BDL	71	1712	430000	170000	-	3.42	1.71	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	08.09.2022	SW 305	ZO Lab Ldh	8.7	BDL	268	790	330	BDL	0.36	0.18	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, 2022

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	2/09/22	SW 572	H.O. Lab Patiala	458	490	496	2768	2358	602	5.3	1751	348	214	1012	BDL	9.6	5.5	13.4	5.2	5.0	572	207
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	2/09/22	SW 573	H.O. Lab Patiala	233	430	426	1243	1037	103	4.2	1026	198	129	409	BDL	22.9	2.9	32.1	3.6	3.1	187	203
3	Point Source B/N	2914	09.09.2022	SW 313	ZO Lab Ldh	412	170	320	1013	746	301	62	310	81.6	25.8	378	BDL	24.6	3.1	30.5	8.6	0.86	221	59
4	Kali Bein into Beas	2913	12/09/22	455	ZO Lab, Jal	16	22	26	200	156	18	14	98	24	9.2	90	BDL	1.4	1.2	2.0	BDL	BDL	19.5	4.6
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	20/09/22	483	ZO Lab, Jal	460	184	248	989	712	142	94	212	55.2	18.0	486	BDL	42	6.8	52	6.2	0.32	195	47
7	Hundiara drain before entering Pakistan	2907	20/09/22	484	ZO Lab, Jal	282	228	302	763	556	112	82	178	44.8	16.0	328	BDL	36	4.4	44	5.0	0.25	99	34
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	14/09/22	459	ZO Lab, Jal	BDL	12	10	79	62	8	7	72	19.2	5.8	44	BDL	BDL	BDL	BDL	BDL	BDL	2.9	2.1
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	08/09/22	SW 610	H.O. Lab Patiala	204	290	304	714	608	110	3.3	631	124	78	287	BDL	9.1	3.2	12.7	3.0	3.4	106	62
11	Sagar Para Drain at village sagra dist.Patiala	4158	09/09/22	SW 621	H.O. Lab Patiala	94	300	224	524	447	74	2.6	379	77	49	272	BDL	7.4	1.9	10.4	2.1	1.6	78	47
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	08/09/22	SW 616	H.O. Lab Patiala	268	440	472	1113	948	198	4.1	958	212	104	327	BDL	21.2	3.6	29.7	4.0	3.7	243	96
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	08.09.2022	SW 305	ZO Lab LDH	BDL	26	42	154	133	8	6	108	30.4	7.8	88	BDL	BDL	1.5	BDL	BDL	0.24	8.5	1.9

Note. 1. BDL means Below Method Detection Limit

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