

Analysis results of Surface water monitoring under NWMP for the month of July, 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	06.07.2022	SW 202	ZO Lab LDH	7.9	7.6	BDL	219	220	130	BDL	0.19	BDL	B	S
2	River River Sutlej at D/S NFL	1380	06.07.2022	SW 203	ZO Lab LDH	7.5	8.4	BDL	227	220	78	BDL	0.17	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	06.07.2022	SW 204	ZO Lab LDH	7.6	8.4	BDL	230	260	140	BDL	0.15	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	06.07.2022	SW 205	ZO Lab LDH	7.5	8.6	BDL	246	380	92	BDL	0.19	0.11	B	S
5	River River Sutlej at Kiratpur Sahib	1814	08.07.2022	SW 207	ZO Lab LDH	7.6	8.9	BDL	231	480	210	BDL	0.17	0.17	B	S
6	Ropar Head-Works	1019	08.07.2022	SW 210	ZO Lab LDH	7.4	8.0	BDL	247	1700	700	BDL	0.29	0.15	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	08.07.2022	SW 211	ZO Lab LDH	7.8	8.0	BDL	229	2100	790	BDL	0.17	0.28	C	S
8	River River Sutlej U/S Buddha Nallah	1690	13.07.2022	SW 213	ZO Lab LDH	7.7	6.3	BDL	272	3200	1300	BDL	0.38	0.35	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.07.2022	SW 215	ZO Lab LDH	7.5	2.1	10	403	8,40,000	4,60,000	0.052	1.46	0.31	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2022	SW 217	ZO Lab LDH	7.6	4.1	4.0	352	1,20,000	46,000	0.035	0.79	0.19	D	U
11	River River Sutlej at D/s East Bein	1381	15.07.2022	SW 218	ZO Lab LDH	7.4	3.9	4.2	380	4,30,000	1,20,000	0.027	0.87	0.30	E	U
12	River Sutlej at Harike	1022	15.07.2022	SW 219	ZO Lab LDH	7.4	5.4	1.2	297	2200	780	BDL	0.46	0.26	C	S
13	Harike Lake D/S from canal	1382	15/07/2022	S 383	ZO Lab, Jal	7.9	7.1	1.1	273	1200	580	0.072	0.38	0.39	C	S
14	D/S Harike lake	1297	15/07/2022	S 382	ZO Lab, Jal	8.0	7.2	1.0	248	1100	460	0.065	0.38	0.36	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.2022	SW 220	ZO Lab LDH	7.6	5.6	BDL	237	2600	780	BDL	0.40	0.20	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.2022	SW 221	ZO Lab LDH	7.6	5.6	BDL	239	2700	1100	BDL	0.41	0.28	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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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.Aikn 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	06.07.2022	SW 202	ZO Lab LDH	BDL	BDL	BDL	126	110	7	5	90	24	7.3	76	BDL	BDL	1.5	BDL	BDL	0.21	4.2	1.6
2	River River Sutlej at D/S NFL	1380	06.07.2022	SW 203	ZO Lab LDH	BDL	BDL	BDL	130	113	6	5	100	26.4	8.3	74	BDL	BDL	1.6	BDL	BDL	0.23	3.8	1.4
3	River Sutej at 100m D/s PACL Nangal	2915	06.07.2022	SW 204	ZO Lab LDH	BDL	BDL	BDL	132	114	6	6	104	27.2	8.7	74	BDL	BDL	1.7	BDL	BDL	0.22	3.5	1.5
4	River River Sutlej atD/s Nangal	1018	06.07.2022	SW 205	ZO Lab LDH	BDL	2	BDL	142	124	7	5	108	28	9.2	86	BDL	BDL	1.7	BDL	BDL	0.21	4.6	1.6
5	River River Sutlej at Kiratpur Sahib	1814	08.07.2022	SW 207	ZO Lab LDH	BDL	5	10	133	117	6	7	106	27.2	9.2	82	BDL	BDL	1.6	BDL	BDL	0.21	4.0	1.0
6	Ropar Head-Works	1019	08.07.2022	SW 210	ZO Lab LDH	BDL	16	26	143	125	10	8	116	32	8.7	72	BDL	BDL	1.9	BDL	BDL	0.23	7.2	2.5
7	River River Sutlej D/S of Rishab-Paper Mills	1293	08.07.2022	SW 211	ZO Lab LDH	BDL	32	55	133	117	9	7	104	27.2	8.7	70	BDL	BDL	1.7	BDL	BDL	0.25	4.1	1.1
8	River River Sutlej U/S Buddha Nallah	1690	13.07.2022	SW 213	ZO Lab LDH	BDL	110	160	164	141	8	9	108	28.8	8.7	98	BDL	BDL	2.4	BDL	0.22	0.31	9.2	2.3
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.07.2022	SW 215	ZO Lab LDH	47	130	210	279	221	46	27	142	38.4	11.2	138	BDL	2.6	3.4	3.6	1.32	0.39	40	5.2
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2022	SW 217	ZO Lab LDH	20	75	133	216	184	26	19	134	37.6	9.7	98	BDL	1.4	2.4	2.0	0.87	0.25	21	3.3
11	River River Sutlej at D/s East Bein	1381	15.07.2022	SW 218	ZO Lab LDH	21	80	152	232	193	27	24	132	36.8	9.7	106	BDL	1.8	2.6	2.5	1.02	0.26	23	3.9
12	River River Sutlej at Harike	1022	15.07.2022	SW 219	ZO Lab LDH	7	120	180	182	162	21	16	126	34.4	9.7	114	BDL	BDL	2.2	BDL	0.17	0.25	12	3.5
13	Harike Lake D/S from canal	1382	15/07/22	S 383	ZO Lab, Jal	12	248	137	171	144	28	14	100	24.8	9.2	84	BDL	1.6	2.2	2.5	0.12	0.12	8.7	3.17
14	D/S Harike lake	1297	15/07/22	S 382	ZO Lab, Jal	12	236	120	175	148	28	16	100	26.4	8.3	80	BDL	1.3	1.6	2.0	0.11	0.11	8.68	3
15	U/S Hussainiwala H/W Ferozepur	1691	15.07.2022	SW 220	ZO Lab LDH	BDL	8	15	146	128	15	12	94	25.6	7.3	94	BDL	BDL	1.9	BDL	BDL	0.23	8.9	2.5
16	D/S Hussainiwala H/W Ferozepur	1692	15.07.2022	SW 221	ZO Lab LDH	BDL	10	18	145	127	16	10	92	24.8	7.3	82	BDL	BDL	2	BDL	BDL	0.22	9.1	2.7

- 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	12/07/2022	S 370	ZO Lab, Jal	7.9	7.9	1	212	130	27	0.041	0.31	BDL	B	S
18	River Beas at U/S Pathankot	1694	12/07/2022	S 372	ZO Lab, Jal	8.1	8.1	1.3	214	330	170	0.065	0.14	0.17	B	S
19	River Beas at D/S Pathankot	1695	12/07/2022	S 373	ZO Lab, Jal	7.8	7.9	1.2	240	350	200	0.042	0.34	0.25	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	12/07/2022	S 371	ZO Lab, Jal	8.0	7.6	1.3	221	280	140	0.055	0.42	0.13	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	13/07/2022	S 375	ZO Lab, Jal	7.9	7.0	1.1	232	460	210	0.049	0.20	0.28	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	13/07/2022	S 376	ZO Lab, Jal	7.9	8.1	BDL	236	280	140	0.049	0.18	0.19	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	13/07/2022	S 378	ZO Lab, Jal	7.8	7.6	1.2	236	330	170	0.042	0.18	0.28	B	S
24	River Beas at U/s Goindwal	1696	15/07/2022	S 379	ZO Lab, Jal	7.9	7.4	BDL	230	280	110	0.041	0.20	0.17	B	S
25	River Beas at D/s Goindwal	1012	15/07/2022	S 380	ZO Lab, Jal	8.0	7.3	1	228	310	110	0.05	0.16	0.26	B	S
26	Beas at Harike	1697	15/07/2022	S 381	ZO Lab, Jal	8.0	7.5	BDL	212	350	140	0.06	0.33	0.24	B	S

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17	River Beas at Talwara H/W	1693	12/07/2022	S 370	ZO Lab, Jal	10	60	29	142	110	20	14	110	28	9.6	66	BDL	0.9	0.8	1.4	0.12	0.11	9.27	2.31
18	River Beas at U/S Pathankot	1694	12/07/2022	S 372	ZO Lab, Jal	14	198	125	133	110	10	9	98	26.4	7.8	84	BDL	1.0	1.1	1.7	0.18	0.12	3.15	2.1
19	River Beas at D/S Pathankot	1695	12/07/2022	S 373	ZO Lab, Jal	12	148	98	143	122	18	14	100	27.2	7.8	88	BDL	1.2	1.0	1.6	0.19	0.13	7.71	2.49
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	12/07/2022	S 371	ZO Lab, Jal	10	52	28	140	116	22	16	98	30.4	5.3	74	BDL	1.1	1.0	1.6	0.16	0.12	9.55	2.53
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	13/07/2022	S 375	ZO Lab, Jal	11	264	184	138	106	16	12	102	28.8	7.3	78	BDL	1.1	1.2	1.5	0.16	0.14	4.59	2.21
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	13/07/2022	S 376	ZO Lab, Jal	11	432	228	142	114	24	14	106	28.8	8.3	76	BDL	1.1	1.4	1.6	0.14	0.15	4.17	2.19
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	13/07/2022	S 378	ZO Lab, Jal	13	258	142	157	130	14	10	96	29.6	5.3	92	BDL	1.2	1.3	1.7	0.10	0.14	4.13	2.38
24	River Beas at U/s Goindwal	1696	15/07/2022	S 379	ZO Lab, Jal	10	174	94	142	122	10	8	100	28.8	6.8	80	BDL	0.9	1.2	1.2	0.12	0.16	4.52	2.27
25	River Beas at D/s Goindwal	1012	15/07/2022	S 380	ZO Lab, Jal	12	208	118	141	116	16	13	126	24.8	15.6	84	BDL	1.0	1.1	1.4	0.14	0.14	4.21	2.17
26	Beas at Harike	1697	15/07/2022	S 381	ZO Lab, Jal	11	128	71	158	132	26	16	90	18.4	10.7	92	BDL	1.2	1.0	1.7	0.10	0.16	7.29	2.79

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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	12/07/2022	S 369	ZO Lab, Jal	7.7	8.0	BDL	170	120	26	0.024	0.08	BDL	B	S

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27	Ravi at U/s of Madhopur H/W	1097	12/07/2022	S 369	ZO Lab, Jal	8	52	39	103	84	18	15	72	17.6	6.8	52	BDL	0.8	0.7	BDL	BDL	0.11	1.47	1.79

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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 µs/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	18/7/22	SW 445	H/o Lab Patiala	7.7	6.4	8	385	17000	2100	0.36	1.52	0.28	D	U
2	Ghaggar at Bhankarpur	1295	18/7/22	SW 446	H/o Lab Patiala	7.5	4.7	12	472	21000	2600	0.25	1.35	0.39	D	U
3	Ghaggar at Chattbir	1698	18/7/22	SW 447	H/o Lab Patiala	7.6	4.1	13	489	22000	2600	0.32	1.32	0.42	D	U
4	Ghaggar at U/s Jharmal Nadi	1702	18/7/22	SW 448	H/o Lab Patiala	7.6	4.2	10	417	21000	2200	0.32	1.50	0.38	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	18/7/22	SW 449	H/o Lab Patiala	7.7	4.0	11	437	21000	2300	0.38	1.48	0.43	D	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	18/7/22	SW 451	H/o Lab Patiala	7.7	4.4	10	429	22000	2700	0.38	1.46	0.40	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	18/7/22	SW 452	H/o Lab Patiala	7.8	4.0	12	458	24000	3300	0.46	1.45	0.43	D	U
8	Ghaggar at Rattanheri	1473	12/7/2022	SW 414	H/o Lab Patiala	7.8	4.1	11	479	24000	3400	0.47	1.47	0.43	D	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	12/7/2022	SW 415	H/o Lab Patiala	7.8	4.2	10	462	24000	3300	0.46	13.19	0.40	D	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	12/7/2022	SW 416	H/o Lab Patiala	7.9	4.0	12	490	28000	3800	0.61	1.53	0.45	D	U
11	Ghaggar at Khanauri	1024	12/7/2022	SW 419	H/o Lab Patiala	7.6	4.2	12	499	28000	3400	0.34	1.45	0.44	D	U
12	Ghaggar at Moonak	1703	12/7/2022	SW 421	H/o Lab Patiala	7.7	4.1	13	515	28000	3900	0.41	1.48	0.49	D	U
13	Ghaggar at U/s Sardulgarh	1705	8/7/22	SW 364	H/o Lab Patiala	7.7	5.7	9	412	21000	2200	0.38	1.55	0.31	D	U
14	Ghaggar at D/s Sardulgarh	1704	8/7/22	SW 365	H/o Lab Patiala	7.6	5.1	10	435	22000	2600	0.32	1.56	0.40	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	18/7/22	SW 445	H/o Lab Patiala	38	510	478	248	212	25	10	95	23	9	178	BDL	11.9	0.7	16.7	11.9	1.0	34	14
2	Ghaggar at Bhankarpur	1295	18/7/22	SW 446	H/o Lab Patiala	62	500	492	307	262	40	11	151	39	13	196	BDL	12.6	0.8	17.6	12.6	1.0	38	17
3	Ghaggar at Chattbir	1698	18/7/22	SW 447	H/o Lab Patiala	65	560	490	317	269	42	12	158	40	14	202	BDL	12.9	0.9	18.1	12.9	1.1	38	18
4	Ghaggar at U/s Jharmal Nadi	1702	18/7/22	SW 448	H/o Lab Patiala	48	480	483	271	230	26	10	104	25	10	195	BDL	12.6	0.8	17.6	12.6	1.0	35	15
5	Ghaggar at D/s Jharmal Nadi	1701	18/7/22	SW 449	H/o Lab Patiala	53	490	487	287	245	28	11	118	29	11	200	BDL	12.8	0.8	17.9	12.8	1.0	37	16
6	Ghaggar at U/s Dhakanshu Nallah	1699	18/7/22	SW 451	H/o Lab Patiala	51	480	465	258	218	29	10	109	27	10	198	BDL	12.7	0.7	17.8	12.7	1.1	35	16
7	Ghaggar at D/s Dhakanshu Nallah	1700	18/7/22	SW 452	H/o Lab Patiala	56	490	479	299	255	33	11	129	32	12	205	BDL	13.0	0.9	18.2	13.0	1.2	38	17
8	Ghaggar at Rattanheri	1473	12/7/2022	SW 414	H/o Lab Patiala	55	470	462	310	264	34	12	133	35	11	211	BDL	13.3	0.9	18.6	13.3	1.2	39	19
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	12/7/2022	SW 415	H/o Lab Patiala	52	480	467	304	261	32	11	124	33	10	208	BDL	13.2	0.9	18.5	13.2	1.1	37	18
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	12/7/2022	SW 416	H/o Lab Patiala	58	480	474	319	272	35	13	142	37	12	217	BDL	13.5	0.9	18.9	13.5	1.3	42	21
11	Ghaggar at Khanauri	1024	12/7/2022	SW 419	H/o Lab Patiala	56	460	464	323	276	36	14	144	38	12	215	BDL	13.4	0.8	18.8	13.4	1.2	40	20
12	Ghaggar at Moonak	1703	12/7/2022	SW 421	H/o Lab Patiala	59	470	472	332	283	40	15	161	41	14	223	BDL	13.6	0.8	19.0	13.6	1.3	43	22
13	Ghaggar at U/s Sardulgarh	1705	8/7/22	SW 364	H/o Lab Patiala	42	390	278	267	229	25	10	97	24	9	203	BDL	12.5	0.7	16.8	12.5	0.7	35	15
14	Ghaggar at D/s Sardulgarh	1704	8/7/22	SW 365	H/o Lab Patiala	47	410	315	282	242	28	10	106	26	10	207	BDL	12.8	0.8	17.9	12.8	0.9	37	16

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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	6/7/22	SW 362	H.O. Lab Patiala	8.0	BDL	82	3521	280000	110000	0.53	5.51	1.08	U	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	6/7/22	SW 363	H.O. Lab Patiala	7.8	1.9	42	1315	120000	32000	0.71	2.12	0.97	U	E
3	Point Source B/N	2914	13.07.2022	SW 214	ZO Lab Ldh	7.4	BDL	80	1107	70,00,000	26,00,000	0.226	4.13	0.47	E	U
4	Kali Bein into Beas	2913	25/07/2022	SW 396	ZO Lab, Jal	7.3	5.2	2.9	235	1700	260	0.053	1.42	0.65	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	15/07/2022	SW 385	ZO Lab, Jal	7.7	BDL	170	1549	790000	330000	1.2	3.82	0.68	E	U
7	Hundiara drain before entering Pakistan	2907	15/07/2022	SW 386	ZO Lab, Jal	7.4	BDL	65	1123	430000	210000	0.48	2.41	0.71	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	12/07/2022	SW 368	ZO Lab, Jal	7.6	7.8	BDL	161	110	21	0.013	0.05	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	18/7/22	SW 453	H.O. Lab Patiala	7.2	1.8	29	842	110000	26000	0.10	1.66	0.82	U	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	12/7/22	SW 417	H.O. Lab Patiala	7.8	1.7	15	629	35000	6300	0.35	1.48	0.48	U	E
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	18/7/22	SW 457	H.O. Lab Patiala	7.9	BDL	45	1222	350000	110000	1.02	3.02	0.96	U	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	08.07.2022	SW 209	ZO Lab Ldh	-	-	-	-	-	-	-	-	-	-	-

- 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, 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.Alkln mg/l	p.Alkln 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	6/7/22	SW 362	H.O. Lab Patiala	319	470	488	2287	1944	492	202	1340	269	162	719	BDL	10.6	4.3	4.6	4.1	4.6	463	146
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	6/7/22	SW 363	H.O. Lab Patiala	178	390	368	854	727	111	60	528	109	62	342	BDL	20.3	2.0	1.7	1.9	1.7	112	132
3	Point Source B/N	2914	13.07.2022	SW 214	ZO Lab Ldh	280	160	272	806	589	193	56	240	64.8	19.0	352	BDL	15.1	5.7	21.0	10.6	0.81	147	23
4	Kali Bein into Beas	2913	25/07/2022	SW 396	ZO Lab, Jal	20	40	110	149	122	22	14	56	14.4	4.9	92	BDL	1.4	1.4	2.4	0.13	0.12	24.52	4.87
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	15/07/22	S 385	ZO Lab, Jal	400	222	98	818	620	186	84	220	56	19.4	384	BDL	40	6.2	68	6.8	0.30	130.37	29.04
7	Hundiara drain before entering Pakistan	2907	15/07/22	S 386	ZO Lab, Jal	220	128	62	637	480	100	70	216	56.8	18.0	244	BDL	32	4.0	44	6.0	0.24	81.4	24.97
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	12/07/2022	S 368	ZO Lab, Jal	BDL	42	38	95	74	14	10	76	18.4	7.3	40	BDL	0.5	1.0	BDL	BDL	0.10	0.95	1.74
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	18/7/22	SW 453	H.O. Lab Patiala	115	310	307	545	465	72	44	418	88	48	224	BDL	10.3	2.2	14.4	3.1	2.7	78	37
11	Sagar Para Drain at village sagra dist.Patiala	4158	12/7/22	SW 417	H.O. Lab Patiala	68	320	315	408	347	47	37	235	48	28	217	BDL	9.9	1.2	13.9	1.1	1.2	52	32
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	18/7/22	SW 457	H.O. Lab Patiala	194	370	412	793	675	107	78	585	112	74	245	BDL	22.7	3.4	31.8	3.0	3.1	168	64
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	08.07.2022	SW 209	ZO Lab LDH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note. 1. BDL means Below Method Detection Limit

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3. Water Quality Index (S means Satisfactory, U means Unsatisfactory)

4. U/s means Upstream, D/s means Downstream