

Analysis results of Surface water monitoring under NWMP for the month of January, 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	Water Quality Index
1	River River Sutlej at U/S Nangal	1017	10.01.2023	SW 531	ZO Lab LDH	7.8	8.4	BDL	235	93	18	BDL	0.16	BDL	B	S
2	River River Sutlej at D/S NFL	1380	10.01.2023	SW 532	ZO Lab LDH	8.2	10.8	BDL	250	140	45	BDL	0.18	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	10.01.2023	SW 533	ZO Lab LDH	8.4	11.0	BDL	246	170	45	BDL	0.17	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	10.01.2023	SW 534	ZO Lab LDH	8.4	9.2	BDL	245	210	61	BDL	0.18	0.13	B	S
5	River River Sutlej at Kiratpur Sahib	1814	11.01.2023	SW 536	ZO Lab LDH	7.0	8.5	BDL	280	330	56	BDL	0.33	0.17	B	S
6	Ropar Head-Works	1019	11.01.2023	SW 539	ZO Lab LDH	8.0	8.5	BDL	308	480	61	BDL	0.40	0.12	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	11.01.2023	SW 540	ZO Lab LDH	7.9	7.4	BDL	363	700	78	BDL	0.58	0.29	C	S
8	River River Sutlej U/S Buddha Nallah	1690	12.01.2023	SW 542	ZO Lab LDH	7.7	7.1	1.2	343	3200	1300	0.024	0.57	0.27	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12.01.2023	SW 544	ZO Lab LDH	7.2	1.1	19	726	4,30,000	1,10,000	0.078	2.42	0.45	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	17.01.2023	SW 546	ZO Lab LDH	7.5	5.5	10	420	1,10,000	22,000	0.078	1.38	0.28	D	U
11	River River Sutlej at D/s East Bein	1381	17.01.2023	SW 547	ZO Lab LDH	7.3	3.5	18	544	3,50,000	1,30,000	0.054	1.80	0.39	E	U
12	River Sutlej at Harike	1022	17.01.2023	SW 548	ZO Lab LDH	7.4	6.2	2.8	442	3300	780	0.033	1.36	0.31	C	S
13	Harike Lake D/S from canal	1382	20/01/23	28	ZO Lab, Jal	8.2	7.6	1.5	211	1700	460	0.10	0.36	0.32	C	S
14	D/S Harike lake	1297	20/01/23	27	ZO Lab, Jal	8.1	8.2	1.4	202	1200	630	0.07	0.36	0.45	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	17.01.2023	SW 549	ZO Lab LDH	7.4	7.6	1.1	422	930	200	0.021	1.32	0.18	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	17.01.2023	SW 550	ZO Lab LDH	7.4	7.2	1.2	420	920	180	0.024	1.32	0.32	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	10.01.2023	SW 531	ZO Lab LDH	BDL	BDL	BDL	132	117	6	8	132	35.2	10.7	78	BDL	BDL	1.6	BDL	BDL	0.22	4.1	2.0
2	River River Sutlej at D/S NFL	1380	10.01.2023	SW 532	ZO Lab LDH	BDL	2	BDL	142	126	7	9	142	37.6	11.7	82	BDL	BDL	1.9	BDL	BDL	0.24	4.8	2.2
3	River Sutej at 100m D/s PACL Nangal	2915	10.01.2023	SW 533	ZO Lab LDH	BDL	1	BDL	140	124	7	9	138	36.8	11.2	78	BDL	BDL	1.7	BDL	BDL	0.24	4.6	2.1
4	River River Sutlej atD/s Nangal	1018	10.01.2023	SW 534	ZO Lab LDH	BDL	4	BDL	142	126	9	10	132	35.2	10.7	79	BDL	BDL	1.6	BDL	BDL	0.26	4.7	2.1
5	River River Sutlej at Kiratpur Sahib	1814	11.01.2023	SW 536	ZO Lab LDH	BDL	9	BDL	316	283	15	16	224	59.2	18.5	234	BDL	BDL	2.3	BDL	BDL	0.24	23.2	3.1
6	Ropar Head-Works	1019	11.01.2023	SW 538	ZO Lab LDH	BDL	14	11	178	153	14	13	176	47.2	14.1	106	BDL	BDL	2.1	BDL	BDL	0.30	12.1	2.8
7	River River Sutlej D/S of Rishab-Paper Mills	1293	11.01.2023	SW 539	ZO Lab LDH	BDL	18	13	216	184	25	18	156	40.8	13.1	112	BDL	BDL	1.8	BDL	BDL	0.34	16.7	5.0
8	River River Sutlej U/S Buddha Nallah	1690	11.01.2023	SW 540	ZO Lab LDH	10	80	52	206	174	23	21	154	40.8	12.6	115	BDL	0.8	2.6	1.6	0.36	0.29	16.4	3.8
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12.01.2023	SW 542	ZO Lab LDH	84	110	94	452	360	104	32	196	50.4	17.0	211	BDL	7.8	2.4	10.2	1.03	0.38	78	11.9
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	12.01.2023	SW 543	ZO Lab LDH	44	100	74	278	224	37	28	166	45.6	12.6	141	BDL	3.9	1.9	5.3	0.37	0.24	41	6.5
11	River River Sutlej at D/s East Bein	1381	12.01.2023	SW 544	ZO Lab LDH	88	110	96	329	265	52	30	184	52.8	12.6	157	BDL	5.4	1.8	7.5	0.82	0.25	56	10.3
12	River River Sutlej at Harike	1022	17.01.2023	SW 546	ZO Lab LDH	20	40	32	289	240	38	26	190	53.6	13.6	149	BDL	2.2	2.2	3.0	0.61	0.26	43	8.5
13	Harike Lake D/S from canal	1382	20/01/23	28	ZO Lab, Jal	11	39	37	126	100	10	9	96	24	8.7	92	BDL	1.2	1.3	2.0	0.20	0.26	8	2.5
14	D/S Harike lake	1297	20/01/23	27	ZO Lab, Jal	10	42	34	133	110	12	10	100	25	9.2	95	BDL	1.1	1.2	2.2	0.16	0.23	8.3	2.7
15	U/S Hussainiwala H/W Ferozepur	1691	17.01.2023	SW 549	ZO Lab LDH	10	26	38	282	241	39	24	174	52.8	10.2	145	BDL	1.4	1.7	1.9	0.60	0.23	40	8.3
16	D/S Hussainiwala H/W Ferozepur	1692	17.01.2023	SW 550	ZO Lab LDH	12	30	36	286	242	38	25	174	52	10.7	146	BDL	1.6	1.8	2.0	0.59	0.22	40	8.2

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River Beas

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17	River Beas at Talwara H/W	1693	10/01/23	3	ZO Lab, Jal	7.9	7.8	1	182	100	18	0.04	0.44	BDL	B	S
18	River Beas at U/S Pathankot	1694	10/01/23	5	ZO Lab, Jal	8.2	8.6	1.2	278	240	93	0.08	0.56	0.18	B	S
19	River Beas at D/S Pathankot	1695	10/01/23	6	ZO Lab, Jal	8.1	8.4	1.2	233	330	140	0.07	0.46	0.21	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	10/01/23	4	ZO Lab, Jal	8.0	8.7	1.2	274	170	78	0.05	0.53	0.13	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	17/01/23	12	ZO Lab, Jal	8.2	8.6	1.1	232	340	120	0.09	0.23	0.38	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	17/01/23	13	ZO Lab, Jal	8.1	8.7	BDL	233	310	140	0.07	0.40	0.25	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	17/01/23	15	ZO Lab, Jal	8.2	8.9	1.3	226	330	140	0.08	0.35	0.27	B	S
24	River Beas at U/s Goindwal	1696	20/01/23	24	ZO Lab, Jal	8.2	8.6	1.1	191	220	68	0.08	0.34	0.16	B	S
25	River Beas at D/s Goindwal	1012	20/01/23	25	ZO Lab, Jal	8.1	8.7	1.2	208	260	93	0.07	0.34	0.20	B	S
26	Beas at Harike	1697	20/01/23	26	ZO Lab, Jal	8.2	8.9	1.1	201	310	130	0.09	0.36	0.15	B	S

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17	River Beas at Talwara H/W	1693	10/01/23	3	ZO Lab, Jal	7	10	11	114	91	10	7	86	22	7.8	82	BDL	0.8	0.8	1.3	0.11	0.14	9.4	2.3
18	River Beas at U/S Pathankot	1694	10/01/23	5	ZO Lab, Jal	8	9	12	172	140	13	10	138	35	12	123	BDL	1.0	0.8	1.5	0.12	0.15	15	3.3
19	River Beas at D/S Pathankot	1695	10/01/23	6	ZO Lab, Jal	8	28	38	151	118	12	10	110	26	11	115	BDL	1.0	0.8	1.4	0.13	0.17	11	3.2
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	10/01/23	4	ZO Lab, Jal	9	17	22	169	136	14	11	130	34	11	122	BDL	0.9	0.9	1.4	0.11	0.15	14	3.3
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	17/01/23	12	ZO Lab, Jal	7	34	42	137	112	10	8	104	23	11	108	BDL	1.1	0.9	1.6	0.14	0.19	5.4	2.3
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	17/01/23	13	ZO Lab, Jal	5	38	41	143	119	8	8	114	26	12	112	BDL	1.1	1.0	1.7	0.16	0.22	9.7	2.9
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	17/01/23	15	ZO Lab, Jal	10	34	30	145	116	12	10	106	26	10	108	BDL	1.0	0.9	1.5	0.14	0.19	8.4	2.7
24	River Beas at U/s Goindwal	1696	20/01/23	24	ZO Lab, Jal	8	30	38	122	98	11	9	90	22	8.7	90	BDL	1.0	1.0	1.6	0.15	0.21	7.4	2.5
25	River Beas at D/s Goindwal	1012	20/01/23	25	ZO Lab, Jal	7	32	41	127	103	12	9	96	23	9.2	92	BDL	1.0	1.0	1.6	0.15	0.20	7.7	2.8
26	Beas at Harike	1697	20/01/23	26	ZO Lab, Jal	7	30	44	129	105	11	12	98	23	9.7	90	BDL	1.1	1.1	1.6	0.14	0.22	8.3	2.8

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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	10/01/23	2	ZO Lab, Jal	8.2	9.0	BDL	152	110	40	BDL	0.17	BDL	B	S

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27	Ravi at U/s of Madhopur H/W	1097	10/01/23	2	ZO Lab, Jal	6	10	10	99	80	8	7	88	22	8.3	70	BDL	BDL	0.4	BDL	BDL	0.14	3.7	2.2

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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	Free Amm. mg/l	SAR	B mg/l	Quality of water as per DBDU	Water Quality Index
1	Ghaggar at Mubarikpur Rest House	1023	5/1/23	SW 1096	H/o Lab Patiala	7.5	4.2	11	491	21000	2100	9.4	1.84	0.51	D	U
2	Ghaggar at Bhankarpur	1295	5/1/23	SW 1097	H/o Lab Patiala	7.7	2.2	23	701	24000	3400	10.7	1.88	0.57	E	U
3	Ghaggar at Chattbir	1698	5/1/23	SW 1098	H/o Lab Patiala	7.8	2.1	22	711	28000	3800	11.6	1.78	0.63	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	5/1/23	SW 1099	H/o Lab Patiala	8.0	3.4	13	593	24000	3400	11.4	1.75	0.50	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	5/1/23	SW 1100	H/o Lab Patiala	7.4	3.0	14	703	28000	3900	11.8	1.82	0.63	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	5/1/23	SW 1102	H/o Lab Patiala	8.0	3.1	10	565	21000	2200	10.9	1.72	0.51	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	5/1/23	SW 1103	H/o Lab Patiala	8.1	2.8	17	710	28000	3800	1.5	1.92	0.69	E	U
8	Ghaggar at Rattanheri	1473	10/1/2023	SW 1173	H/o Lab Patiala	8.0	3.1	14	721	28000	4600	11.7	1.87	0.69	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/1/2023	SW 1174	H/o Lab Patiala	8.1	3.0	13	701	28000	3400	11.4	1.88	0.66	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/1/2023	SW 1175	H/o Lab Patiala	8.1	2.6	15	820	35000	5800	9.6	1.89	0.85	E	U
11	Ghaggar at Khanauri	1024	10/1/2023	SW 1178	H/o Lab Patiala	7.9	3.0	14	708	28000	3800	11.2	1.70	0.82	E	U
12	Ghaggar at Moonak	1703	10/1/2023	SW 1180	H/o Lab Patiala	7.8	2.2	17	771	35000	5800	11.9	1.75	0.95	E	U
13	Ghaggar at U/s Sardulgarh	1705	18/1/2023	SW 1195	H/o Lab Patiala	7.6	4.3	12	527	21000	2100	9.3	1.64	0.55	D	U
14	Ghaggar at D/s Sardulgarh	1704	18/1/2023	SW 1196	H/o Lab Patiala	7.5	4.0	13	591	22000	2600	10.1	1.66	0.65	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	5/1/23	SW 1096	H/o Lab Patiala	56	460	442	315	269	30	11	146	35	14	219	BDL	9.4	1.0	13.2	1.2	1.1	51	22
2	Ghaggar at Bhankarpur	1295	5/1/23	SW 1097	H/o Lab Patiala	117	450	423	453	387	65	17	238	68	19	245	BDL	10.7	1.2	15.0	1.3	1.2	68	35
3	Ghaggar at Chattbir	1698	5/1/23	SW 1098	H/o Lab Patiala	112	370	358	463	395	68	18	253	70	19	253	BDL	11.6	1.3	16.2	1.4	1.3	65	37
4	Ghaggar at U/s Jharmal Nadi	1702	5/1/23	SW 1099	H/o Lab Patiala	66	290	222	377	321	43	16	175	45	15	238	BDL	11.4	1.2	16.0	1.3	1.2	53	27
5	Ghaggar at D/s Jharmal Nadi	1701	5/1/23	SW 1100	H/o Lab Patiala	76	280	247	417	355	50	17	194	51	16	261	BDL	11.8	1.3	16.5	1.2	1.2	58	29
6	Ghaggar at U/s Dhakanshu Nallah	1699	5/1/23	SW 1102	H/o Lab Patiala	43	200	132	358	305	38	14	153	40	13	240	BDL	10.9	1.1	15.3	1.2	1.1	49	25
7	Ghaggar at D/s Dhakanshu Nallah	1700	5/1/23	SW 1103	H/o Lab Patiala	84	210	177	457	389	63	19	237	65	18	258	BDL	1.5	1.4	16.1	1.3	1.3	68	31
8	Ghaggar at Rattanheri	1473	10/1/2023	SW 1173	H/o Lab Patiala	68	230	212	469	399	62	21	244	58	24	273	BDL	11.7	1.3	16.4	1.1	1.2	67	37
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/1/2023	SW 1174	H/o Lab Patiala	63	230	200	453	387	58	19	220	55	20	269	BDL	11.4	.2	16.1	1.1	1.1	64	35
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/1/2023	SW 1175	H/o Lab Patiala	75	245	229	493	421	65	24	268	66	25	277	BDL	9.6	1.3	13.4	1.2	1.2	71	39
11	Ghaggar at Khanauri	1024	10/1/2023	SW 1178	H/o Lab Patiala	72	210	198	451	385	62	20	252	58	26	259	BDL	11.2	1.3	15.7	1.0	1.2	62	30
12	Ghaggar at Moonak	1703	10/1/2023	SW 1180	H/o Lab Patiala	85	260	232	501	427	73	29	357	75	41	278	BDL	11.9	1.3	16.7	1.2	1.3	76	35
13	Ghaggar at U/s Sardulgarh	1705	18/1/2023	SW 1195	H/o Lab Patiala	56	90	48	342	292	33	17	162	35	18	229	BDL	9.3	1.1	13.0	1.0	1.0	48	22
14	Ghaggar at D/s Sardulgarh	1704	18/1/2023	SW 1196	H/o Lab Patiala	61	110	53	382	327	40	22	200	42	23	238	BDL	10.1	1.2	14.1	1.1	1.1	54	26

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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	13/1/23	SW 1184	H.O. Lab Patiala	7.8	BDL	119	4721	350000	110000	9.1	6.37	1.71	E	E
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/1/23	SW 1185	H.O. Lab Patiala	7.7	BDL	61	2225	350000	94000	20.5	2.97	1.35	E	E
3	Point Source B/N	2914	12.01.2023	SW 543	ZO Lab Ldh	7.2	BDL	170	1941	31,00,000	17,00,000	0.286	6.08	0.52	E	U
4	Kali Bein into Beas	2913	20/01/23	35	ZO Lab, Jal	7.8	5.3	2.2	242	2100	700	0.05	0.68	0.72	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	05/01/23	P-29	ZO Lab, Jal	7.1	BDL	205	2362	840000	260000	0.02	7.43	0.61	E	U
7	Hundiara drain before entering Pakistan	2907	05/01/23	P-32	ZO Lab, Jal	7.8	BDL	130	1446	350000	170000	0.84	2.38	0.73	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	10/01/23	1	ZO Lab, Jal	7.9	8.9	BDL	172	120	46	BDL	0.27	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5/1/2023	SW 1104	H.O. Lab Patiala	7.9	BDL	48	1225	94000	26000	9.0	1.76	1.19	E	E
11	Sagar Para Drain at village sagra dist.Patiala	4158	10/1/2023	SW 1176	H.O. Lab Patiala	8.2	1.4	21	983	28000	4600	7.7	1.79	0.95	E	E
12	Confluence point of sukhana Choe with River Ghaggar, vill. Mubarkpur	4162	05/1/2023	SW 1108	H.O. Lab Patiala	7.4	BDL	83	2124	430000	110000	19.2	3.52	1.23	E	E
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	11.01.2023	SW 538	ZO Lab Ldh	8.0	12.2	BDL	554	630	78	BDL	0.67	0.20	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 January, 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 P mg/l	F mg/l	Na mg/l	K mg/l
1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	13/1/23	SW 1184	H.O. Lab Patiala	473	390	415	3067	2611	663	87	1960	397	235	1045	BDL	9.1	6.9	12.7	6.8	6.2	648	243
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/1/23	SW 1185	H.O. Lab Patiala	238	230	243	1445	1231	158	58	1145	229	139	458	BDL	20.5	3.7	28.7	4.9	4.5	231	249
3	Point Source B/N	2914	12.1.2023	SW 543	ZO Lab Ldh	520	180	348	1265	976	368	68	424	109.6	36.5	465	BDL	28.6	5.3	42	11.22	0.92	288	36.4
4	Kali Bein into Beas	2913	20/01/23	35	ZO Lab, Jal	11	8	12	152	118	16	12	104	24	11	98	BDL	1.3	1.4	2.4	0.18	0.26	16	4.3
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	05/01/23	P-29	ZO Lab, Jal	540	322	384	1462	1032	380	120	420	100	41	568	BDL	30	6.2	44	4.8	0.42	350	31
7	Hundiara drain before entering Pakistan	2907	05/01/23	P-32	ZO Lab, Jal	352	248	271	930	656	164	78	360	84	36	630	BDL	24	4.8	36	3.8	0.36	104	22
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	10/01/23	1	ZO Lab, Jal	5	9	11	103	82	7	7	90	22	8.7	72	BDL	BDL	0.4	BDL	BDL	0.13	6	3
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5/1/2023	SW 1104	H.O. Lab Patiala	188	240	226	798	681	101	49	727	141	91	305	BDL	9.0	4.6	12.6	4.0	4.2	109	81
11	Sagar Para Drain at village sagra dist.Patiala	4158	10/1/2023	SW 1176	H.O. Lab Patiala	83	210	223	614	523	88	39	500	93	65	273	BDL	7.7	2.9	10.8	3.0	2.0	92	59
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	05/1/2023	SW 1108	H.O. Lab Patiala	322	390	381	1381	1175	241	65	1176	261	127	349	BDL	19.2	5.3	26.9	5.2	4.3	277	135
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	11.01.2023	SW 538	ZO Lab LDH	BDL	9	BDL	316	283	15	16	224	59.2	18.5	234	BDL	BDL	2.3	BDL	BDL	0.24	23.2	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