

Analysis results of Surface water monitoring under NWMP for the month of February, 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	09.02.2022	SW 196	ZO Lab LDH	8.2	8.8	BDL	200	110	20	BDL	0.15	BDL	B	S
2	River River Sutlej at D/S NFL	1380	09.02.2022	SW 197	ZO Lab LDH	8.4	9.0	BDL	225	260	92	BDL	0.19	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	09.02.2022	SW 198	ZO Lab LDH	8.4	9.1	BDL	224	390	93	BDL	0.16	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	09.02.2022	SW 199	ZO Lab LDH	8.5	8.8	BDL	221	410	93	BDL	0.15	0.15	B	S
5	River River Sutlej at Kiratpur Sahib	1814	10.02.2022	SW 201	ZO Lab LDH	8.3	10.6	BDL	214	490	110	BDL	0.18	0.19	B	S
6	Ropar Head-Works	1019	10.02.2022	SW 204	ZO Lab Ldh	8.3	9.6	BDL	255	2700	780	BDL	0.34	0.11	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	10.02.2022	SW 205	ZO Lab Ldh	8.2	9.4	BDL	257	3400	1100	BDL	0.31	0.40	C	S
8	River River Sutlej U/S Buddha Nallah	1690	11.02.2022	SW 207	ZO Lab Ldh	8.2	8.0	1.3	283	4300	1700	0.112	0.44	0.34	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	11.02.2022	SW 209	ZO Lab Ldh	7.7	1.9	12	512	39,00,000	17,00,000	0.108	1.55	0.51	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	14.02.2022	SW 211	ZO Lab Ldh	7.7	4.4	5.4	413	3,30,000	1,10,000	0.091	1.14	0.27	D	U
11	River River Sutlej at D/s East Bein	1381	14.02.2022	SW 212	ZO Lab Ldh	7.5	2.2	8.2	650	6,30,000	3,30,000	0.092	1.83	0.52	E	U
12	River Sutlej at Harike	1022	14.02.2022	SW 213	ZO Lab Ldh	7.8	6.5	1.2	337	4100	1300	0.052	0.84	0.34	C	S
13	Harike Lake D/S from canal	1382	09/02/2022	S51	ZO Lab, Jal	8.1	8.9	1.2	216	700	210	0.143	0.34	0.30	C	S
14	D/S Harike lake	1297	09/02/2022	S50	ZO Lab, Jal	8.0	8.8	1.0	210	840	310	0.085	0.32	0.48	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	15.02.2022	SW 215	ZO Lab LDH	8.3	8.8	1.3	293	1200	450	0.090	0.90	0.14	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	15.02.2022	SW 216	ZO Lab LDH	8.4	8.5	1.4	360	1300	780	0.135	1.41	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.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	09.02.2022	SW 196	ZO Lab Ldh	BDL	1	BDL	116	102	5	6	102	24.8	9.7	70	BDL	BDL	1.3	BDL	BDL	0.21	3.6	1.2
2	River River Sutlej at D/S NFL	1380	09.02.2022	SW 197	ZO Lab Ldh	BDL	2	BDL	121	105	6	7	108	25.6	10.7	66	BDL	BDL	1.5	BDL	BDL	0.25	4.6	1.4
3	River Sutej at 100m D/s PACL Nangal	2915	09.02.2022	SW 198	ZO Lab Ldh	BDL	2	BDL	128	109	6	7	114	27.2	11.2	68	BDL	BDL	1.5	BDL	BDL	0.24	3.9	1.3
4	River River Sutlej atD/s Nangal	1018	09.02.2022	SW 199	ZO Lab Ldh	BDL	4	BDL	126	110	8	8	112	26.4	11.2	78	BDL	BDL	1.4	BDL	BDL	0.26	3.7	1.4
5	River River Sutlej at Kiratpur Sahib	1814	10.02.2022	SW 201	ZO Lab Ldh	BDL	5	10	124	108	8	9	108	26.4	10.2	74	BDL	BDL	1.4	BDL	BDL	0.21	4.3	1.4
6	Ropar Head-Works	1019	10.02.2022	SW 204	ZO Lab Ldh	BDL	12	16	148	130	12	10	122	28.8	12.2	94	BDL	BDL	1.7	BDL	BDL	0.24	8.6	1.8
7	River River Sutlej D/S of Rishab-Paper Mills	1293	10.02.2022	SW 205	ZO Lab Ldh	BDL	14	19	149	131	13	12	120	28.8	11.7	98	BDL	BDL	1.4	BDL	BDL	0.29	7.7	1.8
8	River River Sutlej U/S Buddha Nallah	1690	11.02.2022	SW 207	ZO Lab Ldh	8	60	94	172	147	18	21	132	31.2	13.1	108	BDL	1.4	1.9	2.1	0.58	0.39	11.6	2.4
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	11.02.2022	SW 209	ZO Lab Ldh	64	120	196	358	285	112	37	166	40	16.0	134	BDL	3.6	2.1	5.2	7.2	0.44	46	5.1
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	14.02.2022	SW 211	ZO Lab Ldh	29	75	87	274	221	68	29	140	33.6	13.6	110	BDL	3.1	1.8	4.9	6.6	0.34	31	3.2
11	River River Sutlej at D/s East Bein	1381	14.02.2022	SW 212	ZO Lab Ldh	41	85	102	395	312	79	34	190	45.6	18.5	146	BDL	4.6	1.9	6.3	7.2	0.33	58	7.1
12	River River Sutlej at Harike	1022	14.02.2022	SW 213	ZO Lab Ldh	7	60	64	206	173	32	16	154	36.8	15.1	108	BDL	1.5	1.4	2.2	1.11	0.22	24	3.4
13	Harike Lake D/S from canal	1382	09/02/2022	S51	ZO Lab, Jal	16	15	48	136	102	18	16	97	30	5	84	BDL	2.2	1.6	3.4	0.17	0.15	7.7	2.9
14	D/S Harike lake	1297	09/02/2022	S50	ZO Lab, Jal	12	13	32	130	113	16	14	92	28	5	86	BDL	1.7	1.3	2.7	0.16	0.13	7.1	2.5
15	U/S Hussainiwala H/W Ferozepur	1691	15.02.2022	SW 215	ZO Lab Ldh	9	23	13	194	170	19	13	118	28	11.7	120	BDL	0.9	1.3	1.6	0.45	0.21	22.5	4.2
16	D/S Hussainiwala H/W Ferozepur	1692	15.02.2022	SW 216	ZO Lab Ldh	10	25	19	218	189	21	14	120	28.8	11.7	130	BDL	1.0	1.4	1.7	0.50	0.22	35.4	5.2

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River Beas

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17	River Beas at Talwara H/W	1693	04/02/2022	S38	ZO Lab, Jal	7.9	7.8	1.1	190	110	26	0.036	0.38	BDL	B	S
18	River Beas at U/S Pathankot	1694	04/02/2022	S40	ZO Lab, Jal	8.0	8.7	1.2	306	220	40	0.040	0.47	0.29	B	S
19	River Beas at D/S Pathankot	1695	04/02/2022	S41	ZO Lab, Jal	8.1	8.1	1.1	289	280	63	0.059	0.42	0.39	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	04/02/2022	S39	ZO Lab, Jal	7.9	8.5	1.3	328	210	46	0.041	0.56	0.10	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/02/2022	S43	ZO Lab, Jal	8.1	8.8	1.1	240	280	79	0.072	0.35	0.50	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/02/2022	S44	ZO Lab, Jal	7.9	9.1	1.0	252	350	79	0.068	0.38	0.18	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/02/2022	S46	ZO Lab, Jal	8.0	8.9	1.2	220	280	70	0.065	0.35	0.32	B	S
24	River Beas at U/s Goindwal	1696	09/02/2022	S47	ZO Lab, Jal	8.0	9.1	BDL(<)	209	110	46	0.045	0.40	0.15	B	S
25	River Beas at D/s Goindwal	1012	09/02/2022	S48	ZO Lab, Jal	8.2	9.0	1.0	211	220	70	0.072	0.37	0.20	B	S
26	Beas at Harike	1697	09/02/2022	S49	ZO Lab, Jal	8.1	9.1	1.1	213	280	79	0.065	0.33	0.15	B	S

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17	River Beas at Talwara H/W	1693	04/02/2022	S38	ZO Lab, Jal	11	BDL	4	116	96	8	7	90	26	6	81	BDL	0.8	0.7	1.5	0.14	0.14	8.3	2.3
18	River Beas at U/S Pathankot	1694	04/02/2022	S40	ZO Lab, Jal	14	14	22	188	150	13	10	103	32	6	98	BDL	0.8	1.1	1.5	0.14	0.14	11	1.9
19	River Beas at D/S Pathankot	1695	04/02/2022	S41	ZO Lab, Jal	12	13	20	172	145	12	9	104	31	6	94	BDL	0.9	1.0	1.6	0.16	0.12	9.8	2.2
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	04/02/2022	S39	ZO Lab, Jal	15	BDL	3	195	162	14	12	102	32	5	102	BDL	0.9	1.1	1.6	0.15	0.15	13	2.7
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	08/02/2022	S43	ZO Lab, Jal	14	20	48	140	112	14	12	97	28	7	81	BDL	1.1	1.4	1.8	0.17	0.15	7.9	2.5
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	08/02/2022	S44	ZO Lab, Jal	15	15	43	152	122	16	15	94	27	6	75	BDL	1.5	1.4	2.1	0.19	0.19	8.5	2.5
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	08/02/2022	S46	ZO Lab, Jal	13	11	35	136	116	14	12	107	32	6	92	BDL	1.3	1.1	1.8	0.16	0.16	8.3	2.4
24	River Beas at U/s Goindwal	1696	09/02/2022	S47	ZO Lab, Jal	10	17	46	129	112	8	9	83	26	4	86	BDL	0.9	1.0	1.5	0.12	0.12	8.2	2.4
25	River Beas at D/s Goindwal	1012	09/02/2022	S48	ZO Lab, Jal	11	16	49	125	98	11	10	86	26	5	79	BDL	0.9	1.1	1.6	0.12	0.10	7.8	2.4
26	Beas at Harike	1697	09/02/2022	S49	ZO Lab, Jal	12	14	51	126	110	12	11	90	28	5	84	BDL	1.0	1.2	1.6	0.13	0.14	7.3	2.5

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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	04/02/2022	S37	ZO Lab, Jal	8.0	8.6	BDL(<)	203	94	22	0.025	0.11	BDL	B	S

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27	Ravi at U/s of Madhopur H/W	1097	04/02/2022	S37	ZO Lab, Jal	10	BDL	2	120	90	10	8	82	25	5	79	BDL	0.5	0.6	BDL	0.13	0.13	2.4	2.0

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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	8/2/2022	5686	H/o Lab Patiala	8.0	5.9	8	447	21000	2600	0.46	1.82	0.28	D	U
2	Ghaggar at Bhankarpur	1295	8/2/2022	5687	H/o Lab Patiala	7.4	4.1	16	557	24000	3400	0.16	1.89	0.41	D	U
3	Ghaggar at Chattbir	1698	8/2/2022	5688	H/o Lab Patiala	7.3	4.0	15	565	28000	3800	0.11	2.06	0.46	D	U
4	Ghaggar at U/s Jharmal Nadi	1702	8/2/2022	5689	H/o Lab Patiala	7.3	4.3	12	508	24000	2700	0.10	1.69	0.38	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	8/2/2022	5690	H/o Lab Patiala	7.2	3.1	14	610	28000	4000	0.11	1.77	0.45	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	8/2/2022	5692	H/o Lab Patiala	7.3	4.4	11	592	28000	3400	0.12	1.50	0.77	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	8/2/2022	5693	H/o Lab Patiala	7.1	3.6	13	631	28000	4000	0.01	1.96	0.36	E	U
8	Ghaggar at Rattanheri	1473	10/2/2022	5700	H/o Lab Patiala	7.2	2.7	14	655	28000	4600	0.14	2.01	0.46	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/2/2022	5701	H/o Lab Patiala	7.0	3.1	12	595	28000	3800	BDL	1.86	0.41	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/2/2022	5702	H/o Lab Patiala	7.1	2.4	15	693	35000	5500	0.06	1.80	0.49	E	U
11	Ghaggar at Khanauri	1024	10/2/2022	5705	H/o Lab Patiala	7.1	2.9	13	645	35000	4600	0.07	1.84	0.53	E	U
12	Ghaggar at Moonak	1703	10/2/2022	5707	H/o Lab Patiala	7.3	3.3	14	698	43000	8400	0.14	1.89	0.62	E	U
13	Ghaggar at U/s Sardulgarh	1705	24/2/2022	5715	H/o Lab Patiala	7.7	5.5	12	545	24000	3400	0.32	1.66	0.33	D	U
14	Ghaggar at D/s Sardulgarh	1704	24/2/2022	5716	H/o Lab Patiala	7.6	4.9	14	621	28000	3800	0.27	1.65	0.38	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	8/2/2022	5686	H/o Lab Patiala	34	380	418	291	247	30	7	106	26	10	209	BDL	9.1	0.9	12.7	1.1	1.1	43	17
2	Ghaggar at Bhankarpur	1295	8/2/2022	5687	H/o Lab Patiala	77	410	424	363	310	35	11	185	46	17	222	BDL	10.7	1.0	14.5	1.1	1.1	59	22
3	Ghaggar at Chattbir	1698	8/2/2022	5688	H/o Lab Patiala	73	470	468	368	313	36	10	172	44	15	227	BDL	11.1	1.1	15.5	1.2	1.0	62	24
4	Ghaggar at U/s Jharmal Nadi	1702	8/2/2022	5689	H/o Lab Patiala	58	320	288	315	268	28	10	117	32	9	215	BDL	10.3	1.0	14.4	1.1	1.0	42	19
5	Ghaggar at D/s Jharmal Nadi	1701	8/2/2022	5690	H/o Lab Patiala	67	370	297	385	328	44	12	202	48	20	225	BDL	11.4	1.2	16.0	1.2	1.2	58	24
6	Ghaggar at U/s Dhakanshu Nallah	1699	8/2/2022	5692	H/o Lab Patiala	54	210	217	347	295	41	11	171	42	16	218	BDL	11.9	1.1	16.7	1.2	1.2	45	21
7	Ghaggar at D/s Dhakanshu Nallah	1700	8/2/2022	5693	H/o Lab Patiala	64	200	227	402	342	46	15	209	47	22	231	BDL	12.7	1.2	17.8	1.3	1.2	65	31
8	Ghaggar at Rattanheri	1473	10/2/2022	5700	H/o Lab Patiala	67	235	209	417	354	48	21	218	49	23	233	BDL	13.9	1.2	19.5	1.4	1.3	68	33
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/2/2022	5701	H/o Lab Patiala	62	225	197	385	328	44	19	197	46	20	226	BDL	13.1	1.2	18.3	1.3	1.2	60	28
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/2/2022	5702	H/o Lab Patiala	68	240	210	433	369	54	22	247	51	29	237	BDL	12.9	1.2	18.1	1.4	1.2	65	36
11	Ghaggar at Khanauri	1024	10/2/2022	5705	H/o Lab Patiala	64	240	213	378	322	40	16	182	43	18	230	BDL	13.8	1.1	19.3	1.3	1.2	57	28
12	Ghaggar at Moonak	1703	10/2/2022	5707	H/o Lab Patiala	70	265	229	447	380	51	29	253	52	30	243	BDL	14.2	1.3	19.9	1.4	1.3	69	37
13	Ghaggar at U/s Sardulgarh	1705	24/2/2022	5715	H/o Lab Patiala	60	70	94	339	289	31	12	165	38	17	225	BDL	10.4	1.1	14.6	1.2	1.2	49	24
14	Ghaggar at D/s Sardulgarh	1704	24/2/2022	5716	H/o Lab Patiala	68	85	92	388	332	40	15	211	48	22	235	BDL	10.9	1.2	15.3	1.3	1.2	55	29

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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	18/2/2022	5713	H.O. Lab Patiala	7.2	BDL	112	3715	350000	120000	0.22	1.65	1.65	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	18/2/2022	5714	H.O. Lab Patiala	7.3	BDL	63	2515	280000	110000	0.07	5.94	1.19	E	U
3	Point Source B/N	2914	11.02.2022	SW 208	ZO Lab Ldh	7.5	BDL	120	1497	94,00,000	49,00,000	0.420	4.73	0.52	E	U
4	Kali Bein into Beas	2913	11/02/2022	S64	ZO Lab, Jal	7.9	7.6	2.0	281	1200	490	0.063	0.57	0.61	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	09/02/2022	S53	ZO Lab, Jal	7.3	BDL	188	1773	700000	210000	0.480	6.88	0.47	E	U
7	Hundiara drain before entering Pakistan	2907	09/02/2022	S54	ZO Lab, Jal	7.6	BDL	92	1278	490000	170000	0.925	3.47	0.60	E	U
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected													
9	Ranjit Sagar Reservoir	2912	04/02/2022	S36	ZO Lab, Jal	8.0	8.5	BDL(<)	207	70	21	0.020	0.19	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	8/2/2022	5694	H.O. Lab Patiala	7.2	1.1	24	914	110000	21000	BDL	1.71	0.77	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	10/2/2022	5703	H.O. Lab Patiala	7.0	1.8	16	792	63000	6100	0.18	1.61	0.52	E	U
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	8/2/2022	5698	H.O. Lab Patiala	7.3	1.1	34	1029	350000	120000	0.19	2.66	0.98	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	10.02.2022	SW 203	ZO Lab Ldh	8.0	9.3	BDL	412	1400	610	BDL	0.58	0.24	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 February, 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	18/2/2022	5713	H.O. Lab Patiala	397	435	368	2412	2053	498	171	1301	219	183	897	BDL	8.5	3.5	11.9	4.1	3.4	492	158
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	18/2/2022	5714	H.O. Lab Patiala	174	295	310	1468	1248	198	102	990	213	111	513	BDL	22.2	3.1	31.1	4.0	3.3	198	212
3	Point Source B/N	2914	11.02.2022	SW 208	ZO Lab Ldh	384	180	376	932	650	289	64	280	67.2	27.2	332	BDL	21	3.1	32.4	13.2	0.86	182	15.9
4	Kali Bein into Beas	2913	11/02/2022	S64	ZO Lab, Jal	18	BDL	5	170	142	15	13	97	30	6	92	BDL	1.4	1.1	2.0	0.16	0.17	13	4.4
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	09/02/2022	S53	ZO Lab, Jal	482	46	198	1090	895	88	79	206	61	13	505	BDL	48	7.9	56	7.8	0.44	227	28
7	Hundiara drain before entering Pakistan	2907	09/02/2022	S54	ZO Lab, Jal	296	44	215	740	585	92	74	210	58	16	383	BDL	37	5.1	43	5.1	0.38	116	24
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	04/02/2022	S36	ZO Lab, Jal	6	BDL	3	118	95	12	6	77	23	5	67	BDL	0.4	BDL	BDL	BDL	0.11	3.9	2.0
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	8/2/2022	5694	H.O. Lab Patiala	98	205	142	579	493	79	43	403	87	45	252	BDL	7.3	2.0	10.2	3.3	1.9	79	42
11	Sagar Para Drain at village sagra dist.Patiala	4158	10/2/2022	5703	H.O. Lab Patiala	72	220	189	515	438	58	42	348	65	45	246	BDL	7.2	1.2	10.1	1.3	1.2	69	46
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	8/2/2022	5698	H.O. Lab Patiala	142	230	247	721	613	89	62	539	102	69	285	BDL	18.2	3.0	25.5	2.2	2.1	142	65
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	10.2.2022	SW 203	ZO Lab Ldh	BDL	42	74	239	211	27	17	192	45.6	19.0	158	BDL	BDL	1.6	BDL	BDL	0.24	18.6	2.2

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