

### Analysis results of Surface water monitoring under NWMP for the month of May, 2020

#### River Satluj

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 $\mu$ 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 Satluj at U/S Nangal	1017	13.05.20	SW 1317	ZO Lab Ldh	7.4	9.5	<1	226	110	40	BDL	0.09	BDL	B	S
2	River Satluj at D/S NFL	1380	13.05.20	SW 1318	ZO Lab Ldh	7.5	9.3	<1	243	170	45	BDL	0.10	BDL	B	S
3	River Sutej at 100m D/s PACL Nangal	2915	13.05.20	SW 1319	ZO Lab Ldh	7.5	9.4	<1	248	140	45	BDL	0.09	BDL	B	S
4	River Satluj at D/s Nangal	1018	13.05.20	SW 1320	ZO Lab Ldh	7.3	9.3	<1	246	260	68	BDL	0.10	BDL	B	S
5	River Satluj at Kiratpur Sahib	1814	14.05.20	SW 1322	ZO Lab Ldh	7.6	8.3	<1	241	250	130	BDL	0.08	0.13	B	S
6	Ropar Head-Works	1019	14.05.20	SW 1325	ZO Lab Ldh	7.4	8.5	<1	264	580	250	BDL	0.10	0.15	C	S
7	River Satluj D/S of Rishab-Paper Mills	1293	14.05.20	SW 1326	ZO Lab Ldh	7.4	8.7	<1	246	630	260	BDL	0.11	0.24	C	S
8	River Satluj U/S Buddha Nallah	1690	15.05.20	SW 1328	ZO Lab Ldh	7.7	8.2	<1	256	840	310	BDL	0.10	0.17	C	S
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	15.05.20	SW 1330	ZO Lab Ldh	7.2	4.0	5.0	306	1,70,000	70,000	0.014	0.16	0.19	D	U
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	17.05.20	SW 1332	ZO Lab Ldh	7.4	5.8	1.8	292	70,000	22,000	0.018	0.11	0.15	D	U
11	River Satluj at D/s East Bein	1381	17.05.20	SW 1333	ZO Lab Jal.	7.5	5.6	2.2	287	84,000	31,000	0.026	0.10	0.20	D	U
12	River Satluj at Harike	1022	17.05.20	SW 1334	ZO Lab Ldh	7.5	7.0	1.4	276	3300	1100	0.010	0.13	0.33	C	S
13	Harike Lake D/S from canal	1382	13/5/2020	SW 209	ZO Lab Jal.	7.6	7.0	1.2	272	1100	200	0.023	0.21	0.12	C	S
14	D/S Harike lake	1297	13/5/2020	SW 210	ZO Lab Jal.	7.7	7.2	1.1	274	1400	370	0.033	0.25	0.15	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	17.05.20	SW 1335	ZO Lab Ldh	7.5	6.9	<1	243	840	310	BDL	0.14	0.18	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	17.05.20	SW 1336	ZO Lab Ldh	7.5	6.8	<1	249	940	320	BDL	0.13	0.27	C	S

- Note. 1. BDL means Below Method Detection Limit  
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 3. Water Quality Index ( S means Satisfactory, U means Unsatisfactory)  
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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	SO <sub>4</sub> 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	PO <sub>4</sub> as P mg/l	F mg/l	Na mg/l	K mg/l
1	River Satluj at U/S Nangal	1017	13.05.20	SW 1317	ZO Lab Ldh	<5	BDL	BDL	129	115	6	5	134	27.2	16.0	76	BDL	BDL	1.3	BDL	BDL	0.22	2.4	1.9
2	River Satluj at D/S NFL	1380	13.05.20	SW 1318	ZO Lab Ldh	<5	2	BDL	137	120	7	6	140	29.6	16.0	74	BDL	BDL	1.5	BDL	BDL	0.25	2.6	1.8
3	River Sutej at 100m D/s PACL Nangal	2915	13.05.20	SW 1319	ZO Lab Ldh	<5	3	BDL	143	122	9	6	160	23.2	24.8	80	BDL	BDL	1.4	BDL	BDL	0.23	2.6	1.9
4	River Satluj at D/s Nangal	1018	13.05.20	SW 1320	ZO Lab Ldh	<5	BDL	BDL	148	129	7	7	146	35.2	14.1	76	BDL	BDL	1.3	BDL	BDL	0.22	2.7	2.0
5	River Satluj at Kiratpur Sahib	1814	14.05.20	SW 1322	ZO Lab Ldh	<5	BDL	BDL	136	121	7	5	138	30.4	15.1	72	BDL	BDL	1.4	BDL	BDL	0.23	2.2	2.0
6	Ropar Head-Works	1019	14.05.20	SW 1325	ZO Lab Ldh	<5	18	28	148	129	8	8	142	32.8	14.6	78	BDL	BDL	1.4	BDL	BDL	0.21	2.8	2.1
7	River Satluj D/S of Rishab- Paper Mills	1293	14.05.20	SW 1326	ZO Lab Ldh	<5	20	33	145	124	10	6	136	28	16.0	76	BDL	BDL	1.5	BDL	BDL	0.22	2.9	1.9
8	River Satluj U/S Buddha Nallah	1690	15.05.20	SW 1328	ZO Lab Ldh	<5	91	127	153	137	8	6	138	32	14.1	82	BDL	BDL	1.7	BDL	BDL	0.29	2.8	2.7
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	15.05.20	SW 1330	ZO Lab Ldh	24	84	109	179	149	15	13	144	35.2	13.6	92	BDL	1.4	1.8	1.8	0.44	0.36	4.3	3.6
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	17.05.20	SW 1332	ZO Lab Ldh	14	80	118	178	142	10	12	150	36.8	14.1	96	BDL	1.2	1.3	1.4	0.18	0.23	3.2	3.8
11	River Satluj at D/s East Bein	1381	17.05.20	SW 1333	ZO Lab Jal.	17	95	124	166	140	10	10	152	33.6	16.5	88	BDL	1.3	1.4	1.5	0.16	0.22	2.7	3.0
12	River Satluj at Harike	1022	17.05.20	SW 1334	ZO Lab Ldh	12	91	114	164	139	9	9	138	36	11.7	94	BDL	1.0	1.3	1.2	0.07	0.21	3.5	3.5
13	Harike Lake D/S from canal	1382	13/5/2020	SW 209	ZO Lab Jal.	12	35	13	174	142	22	14	118	34	8	117	BDL	0.9	0.8	1.5	0.14	0.19	5.3	2.8
14	D/S Harike lake	1297	13/5/2020	SW 210	ZO Lab Jal.	13	52	18	168	132	20	16	110	33	7	134	BDL	1.1	0.8	1.6	0.16	0.23	6.1	3.2
15	U/S Hussainiwala H/W Ferozepur	1691	17.05.20	SW 1335	ZO Lab Ldh	<5	43	48	140	121	10	7	124	35.2	8.7	90	BDL	BDL	1.2	BDL	BDL	0.20	3.5	2.9
16	D/S Hussainiwala H/W Ferozepur	1692	17.05.20	SW 1336	ZO Lab Ldh	<5	41	45	142	123	10	7	126	34.4	9.7	88	BDL	BDL	1.3	BDL	BDL	0.20	3.3	2.7

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#### River Beas

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17	River Beas at Talwara H/W	1693	12/5/2020	SW 199	ZO Lab Jal.	8.1	7.9	BDL (<1)	216	92	36	0.039	0.47	BDL	B	S
18	River Beas at U/S Pathankot	1694	12/5/2020	SW 201	ZO Lab Jal.	7.8	7.2	1.0	269	92	36	0.025	0.57	0.16	B	S
19	River Beas at D/S Pathankot	1695	12/5/2020	SW 202	ZO Lab Jal.	7.9	7.1	1.2	238	390	100	0.036	0.29	0.18	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	12/5/2020	SW 200	ZO Lab Jal.	7.9	7.3	1.0	261	170	40	0.027	0.52	0.12	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	11/5/2020	SW 198	ZO Lab Jal.	8.0	7.8	1.4	218	450	200	0.035	0.19	0.24	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	12/5/2020	SW 203	ZO Lab Jal.	7.8	7.3	BDL (<1)	272	340	78	0.032	0.40	0.14	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	13/5/2020	SW 205	ZO Lab Jal.	8.1	7.9	1.2	220	390	93	0.052	0.35	0.12	B	S
24	River Beas at U/s Goindwal	1696	13/5/2020	SW 206	ZO Lab Jal.	7.8	8	1.0	224	320	68	0.021	0.26	0.21	B	S
25	River Beas at D/s Goindwal	1012	13/5/2020	SW 207	ZO Lab Jal.	7.9	7.8	1.1	213	340	78	0.032	0.27	0.26	B	S
26	Beas at Harike	1697	13/5/2020	SW 208	ZO Lab Jal.	7.9	7.9	1.0	215	450	200	0.036	0.24	0.16	B	S

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17	River Beas at Talwara H/W	1693	12/5/2020	SW 199	ZO Lab Jal.	08	23	11	145	122	16	10	84	26	4	96	BDL	0.6	0.5	1.0	0.07	BDL	9.7	2.6
18	River Beas at U/S Pathankot	1694	12/5/2020	SW 201	ZO Lab Jal.	13	28	10	180	145	18	10	86	25	5	129	BDL	0.7	0.6	1.3	0.07	0.17	12	3.3
19	River Beas at D/S Pathankot	1695	12/5/2020	SW 202	ZO Lab Jal.	14	24	11	168	140	20	14	118	32	9	117	BDL	0.8	0.6	1.3	0.08	0.15	7.1	2.4
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	12/5/2020	SW 200	ZO Lab Jal.	12	26	12	172	140	18	10	85	24	6	124	BDL	0.6	0.7	1.1	0.08	0.17	11	2.8
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	11/5/2020	SW 198	ZO Lab Jal.	13	17	11	135	112	14	10	97	29	6	115	BDL	0.7	0.8	1.2	0.10	0.14	4.4	2.4
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	12/5/2020	SW 203	ZO Lab Jal.	11	22	12	178	142	19	15	107	29	8	134	BDL	0.9	0.9	1.5	0.12	0.18	9.4	3.2
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	13/5/2020	SW 205	ZO Lab Jal.	12	24	12	153	127	21	16	103	32	6	124	BDL	0.8	0.8	1.4	0.08	0.16	8.3	2.6
24	River Beas at U/s Goindwal	1696	13/5/2020	SW 206	ZO Lab Jal.	11	19	12	138	115	14	8	93	26	7	129	BDL	0.6	0.6	0.9	0.06	0.14	5.8	2.5
25	River Beas at D/s Goindwal	1012	13/5/2020	SW 207	ZO Lab Jal.	12	32	14	134	110	15	8	94	27	6	110	BDL	0.7	0.6	1.0	0.07	0.14	5.9	2.5
26	Beas at Harike	1697	13/5/2020	SW 208	ZO Lab Jal.	10	48	18	138	118	16	10	103	31	6	110	BDL	0.8	0.7	1.2	0.08	0.16	5.6	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 $\mu$ 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	11/5/20	SW 197	ZO Lab Jal.	7.6	8.6	1.0	185	93	40	0.008	0.05	BDL	B	S

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27	Ravi at U/s of Madhopur H/W	1097	11/5/20	SW 197	ZO Lab Jal.	10	16	BDL	118	97	14	BDL	74	22	5	86	BDL	BDL	0.5	BDL	BDL	BDL	1.0	4.0

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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 $\mu$ 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	11/5/20	SW 2282	H/o Lab Patiala	7.7	7.0	6	493	15000	2100	0.31	1.70	0.35	D	U
2	Ghaggar at Bhankarpur	1295	11/5/20	SW 2283	H/o Lab Patiala	7.2	4.3	20	768	24000	2700	0.14	1.99	0.49	D	U
3	Ghaggar at Chattbir	1698	11/5/20	SW 2284	H/o Lab Patiala	7.1	4.1	11	734	22000	2600	0.007	2.07	0.44	D	U
4	Ghaggar at U/s Jharmal Nadi	1702	11/5/20	SW 2285	H/o Lab Patiala	7.1	4.0	10	693	28000	3100	0.006	2.15	0.37	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	11/5/20	SW 2286	H/o Lab Patiala	7.1	3.0	14	946	28000	3900	0.007	2.91	0.95	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	11/5/20	SW 2287	H/o Lab Patiala	7.4	4.4	10	730	15000	1700	0.19	3.11	0.59	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	11/5/20	SW 2288	H/o Lab Patiala	7.2	4.1	12	898	21000	2200	0.13	3.62	0.69	D	U
8	Ghaggar at Rattanheri	1473	13/5/20	SW 2295	H/o Lab Patiala	7.4	3.7	21	825	24000	3300	0.22	2.14	0.85	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	13/5/20	SW 2296	H/o Lab Patiala	7.6	3.8	19	778	24000	2700	0.34	2.14	0.82	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	13/5/20	SW 2297	H/o Lab Patiala	7.5	3.3	24	942	28000	3900	0.22	2.33	0.78	E	U
11	Ghaggar at Khanauri	1024	13/5/20	SW 2300	H/o Lab Patiala	7.5	4.0	14	768	24000	3400	0.21	2.20	0.62	D	U
12	Ghaggar at Moonak	1703	13/5/20	SW 2302	H/o Lab Patiala	7.5	3.8	16	832	28000	4000	0.24	2.16	0.65	E	U
13	Ghaggar at U/s Sardulgarh	1705	15/5/20	SW 2319	H/o Lab Patiala	7.4	4.3	10	697	17000	2100	0.15	1.75	0.70	D	U
14	Ghaggar at D/s Sardulgarh	1704	15/5/20	SW 2320	H/o Lab Patiala	7.4	4.6	11	775	21000	2500	0.18	1.85	0.76	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	11/5/20	SW 2282	H/o Lab Patiala	29	630	329	296	252	34	11	111	31	8	198	BDL	10.4	1.21	14.8	4.4	0.9	41	17
2	Ghaggar at Bhankarpur	1295	11/5/20	SW 2283	H/o Lab Patiala	87	270	219	461	392	68	24	255	64	23	238	BDL	14.3	1.0	20.0	3.8	0.9	73	29
3	Ghaggar at Chattbir	1698	11/5/20	SW 2284	H/o Lab Patiala	54	90	87	440	374	65	19	222	56	20	235	BDL	13.7	0.9	19.2	3.8	0.7	71	24
4	Ghaggar at U/s Jharmal Nadi	1702	11/5/20	SW 2285	H/o Lab Patiala	48	70	79	416	354	62	17	195	50	17	227	BDL	11.9	0.7	16.7	2.0	0.6	69	23
5	Ghaggar at D/s Jharmal Nadi	1701	11/5/20	SW 2286	H/o Lab Patiala	69	95	100	568	482	81	26	313	69	34	279	BDL	13.9	1.0	19.5	7.8	1.9	118	34
6	Ghaggar at U/s Dhakanshu Nallah	1699	11/5/20	SW 2287	H/o Lab Patiala	47	40	63	438	372	60	16	173	46	14	237	BDL	12.7	0.8	17.8	1.7	0.8	94	29
7	Ghaggar at D/s Dhakanshu Nallah	1700	11/5/20	SW 2288	H/o Lab Patiala	56	150	113	539	458	69	21	205	54	17	269	BDL	13.3	0.9	18.6	2.2	0.9	119	56
8	Ghaggar at Rattanheri	1473	13/5/20	SW 2295	H/o Lab Patiala	92	40	71	465	395	68	26	253	63	23	267	BDL	14.4	1.4	20.2	3.9	0.8	78	37
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	13/5/20	SW 2296	H/o Lab Patiala	82	30	64	466	396	64	24	226	59	19	263	BDL	13.7	0.9	19.2	1.8	0.7	74	29
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	13/5/20	SW 2297	H/o Lab Patiala	108	40	74	565	480	86	31	302	73	29	283	BDL	10.9	1.0	15.3	1.7	0.9	93	43
11	Ghaggar at Khanauri	1024	13/5/20	SW 2300	H/o Lab Patiala	68	30	61	461	392	61	20	238	54	25	256	BDL	10.6	0.9	14.8	1.8	0.8	78	29
12	Ghaggar at Moonak	1703	13/5/20	SW 2302	H/o Lab Patiala	73	40	80	499	424	69	29	260	58	28	269	BDL	11.9	0.8	16.7	1.2	0.7	80	32
13	Ghaggar at U/s Sardulgarh	1705	15/5/20	SW 2319	H/o Lab Patiala	48	15	31	418	355	48	23	201	49	19	252	BDL	10.0	0.6	14.0	0.6	0.6	57	30
14	Ghaggar at D/s Sardulgarh	1704	15/5/20	SW 2320	H/o Lab Patiala	55	20	44	465	395	64	26	234	54	24	267	BDL	12.2	0.8	17.1	1.4	0.7	65	33

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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 $\mu$ 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	22/5/20	SW 2360	H.O. Lab Patiala	7.1	BDL	165	4177	350000	110000	BDL	6.49	0.93	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	22/5/20	SW 2361	H.O. Lab Patiala	7.3	BDL	75	1560	39000	10000	0.22	3.24	0.82	E	U
3	Point Source B/N	2914	15.05.20	SW 1329	Z.O. Lab, Ludhiana	7.0	0	160	1521	17,00,000	6,30,000	BDL	1.53	0.31	E	U
4	Kali Bein into Beas	2913	20/5/2020	SW 219	Z.O. Lab Jalandhar	7.6	5.3	3.2	324	4700	1100	0.018	0.85	0.24	D	U
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Sample was not collected													
6	Tungdab drain at fatehgarh churian, Amritsar	2910	19/5/2020	SW 212	Z.O. Lab Jalandhar	7.2	BDL	258	2620	390000	130000	0.480	6.69	0.29	Below E	U
7	Hundiara drain before entering Pakistan	2907	19/5/2020	SW 213	Z.O. Lab Jalandhar	7.9	BDL	140	1440	330000	45000	1.350	3.85	0.34	E	U
8	Pathlawa Drain	2911	Sample was not collected													
9	Ranjit Sagar Reservoir	2912	11/5/2020	SW 196	Z.O. Lab Jalandhar	7.7	7.6	BDL (<1)	192	94	13	0.009	0.12	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	11/5/20	SW 2290	H.O. Lab Patiala	7.4	BDL	27	1013	63000	17000	0.09	2.12	0.75	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	13/5/20	SW 2298	H.O. Lab Patiala	7.3	BDL	30	1006	35000	7000	0.07	2.32	0.70	E	U
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	11/5/20	SW 2293	H.O. Lab Patiala	7.2	BDL	48	970	350000	140000	0.21	2.77	0.58	E	U
13	Confluence point of Sarsa Nadi with river Satluj	4161	14.05.20	SW 1324	ZO Lab Ldh	7.5	8.4	<1	276	410	170	BDL	0.13	0.09	B	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 May, 2020

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 <sub>4</sub> Mg/l	TH mg/l	Ca mg/l	Mg mg/l	T.Alkn mg/l	p.Alkn mg/l	Amn-N mg/l	NO <sub>3</sub> -N mg/l	TKN mg/l	PO <sub>4</sub> 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	22/5/20	SW 2360	H.O. Lab Patiala	608	120	268	2506	2130	518	192	1048	248	104	1042	BDL	4.8	4.9	6.7	8.8	1.6	483	202	
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	22/5/20	SW 2361	H.O. Lab Patiala	272	35	59	936	796	135	49	534	113	61	283	BDL	21.9	1.4	30.7	6.8	0.9	172	189	
3	Point Source B/N	2914	15.05.20	SW 1329	Z.O. Lab, Ludhiana	480	172	412	920	675	140	48	466	124	37.9	426	BDL	18.6	3.2	24.2	5.9	0.79	76	27	
4	Kali Bein into Beas	2913	20/5/20	SW 219	Z.O. Lab Jalandhar	24	62	16	204	170	22	12	113	31	9	134	BDL	0.7	0.7	1.3	0.15	0.16	21	4.5	
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	Sample was not collected																						
6	Tungdab drain at fatehgarh churian, Amritsar	2910	19/5/2020	SW 212	Z.O. Lab Jalandhar	585	312	124	1750	1310	136	96	572	134	57	774	BDL	48	4.1	86	3.4	0.50	367	33	
7	Hundiara drain before entering Pakistan	2907	19/5/2020	SW 213	Z.O. Lab Jalandhar	310	158	80	1010	760	115	84	372	100	30	378	BDL	30	3.6	57	2.8	0.30	171	29	
8	Pathlawa Drain	2911	Sample was not collected																						
9	Ranjit Sagar Reservoir	2912	11/5/2020	SW 196	Z.O. Lab Jalandhar	BDL	18	BDL	122	98	10	BDL	76	21	6	81	BDL	BDL	BDL	BDL	BDL	BDL	2.5	2.8	
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	11/5/20	SW 2290	H.O. Lab Patiala	112	40	94	608	517	87	28	396	96	38	278	BDL	5.9	1.9	8.3	1.7	1.0	97	41	
11	Sagar Para Drain at village sagra dist.Patiala	4158	13/5/20	SW 2298	H.O. Lab Patiala	128	20	35	604	513	85	32	365	90	34	279	BDL	7.4	1.6	10.4	6.7	0.9	102	48	
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	11/5/20	SW 2293	H.O. Lab Patiala	198	30	117	582	495	73	18	362	84	37	283	BDL	20.7	1.9	29.0	3.9	0.7	121	40	
13	Confluence point of Sarsa Nadi with river Satluj	4161	14.05.20	SW 1324	ZO Lab Ldh	<5	6	11	161	146	11	10	148	33.6	15.6	80	BDL	BDL	1.6	BDL	BDL	0.24	3.7	2.2	

- 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