

Analysis results of Surface water monitoring under NWMP for the month of March, 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 μ s/Cm	T.Coli MPN/100ml	F. Coli MPN/100ml	SAR	Free Amm. mg/l	B mg/l	Quality of water as per DBU	Water Quality Index
1	River Satluj at U/S Nangal	1017	3/3/20	SW 1225	ZO Lab Ldh	8.3	8.2	<1	247	230	78	0.09	BDL	BDL	B	S
2	River Satluj at D/S NFL	1380	3/3/20	SW 1226	ZO Lab Ldh	8.5	9.2	<1	251	210	78	0.15	BDL	BDL	B	S
3	River Sutej at 100m D/s PACL Nangal	2915	3/3/20	SW 1227	ZO Lab Ldh	8.5	9.2	<1	271	330	68	0.15	BDL	BDL	B	S
4	River Satluj at D/s Nangal	1018	3/3/20	SW 1228	ZO Lab Ldh	8.4	7.9	<1	280	260	93	0.14	BDL	BDL	B	S
5	River Satluj at Kiratpur Sahib	1814	9/3/20	SW 1238	ZO Lab Ldh	8.1	9.0	<1	253	400	170	0.16	BDL	0.13	B	S
6	Ropar Head-Works	1019	9/3/20	SW 1235	ZO Lab Ldh	7.4	7.8	<1	341	940	330	0.28	BDL	BDL	C	S
7	River Satluj D/S of Rishab- Paper Mills	1293	9/3/20	SW 1234	ZO Lab Ldh	7.8	7.2	<1	421	940	490	0.83	BDL	0.14	C	S
8	River Satluj U/S Buddha Nallah	1690	12/3/20	SW 1240	ZO Lab Ldh	7.6	8.4	2.6	347	940	170	0.35	BDL	0.12	C	S
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12/3/20	SW 1242	ZO Lab Ldh	7.2	2.8	14	446	790000	2,30,000	0.60	0.04	0.26	E	U
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	16/3/20	SW 1248	ZO Lab Ldh	7.5	4.2	4	458	94000	22000	0.70	0.04	0.22	D	U
11	River Satluj at D/s East Bein	1381	16/3/20	SW 1249	ZO Lab Ldh.	7.4	3.0	5.2	517	140000	33000	0.93	0.03	0.19	E	U
12	River Satluj at Harike	1022	16/3/20	SW 1250	ZO Lab Ldh.	8.1	6.0	2.4	344	3200	1300	0.69	0.08	0.24	C	S
13	Harike Lake D/S from canal	1382	6/3/20	SW 131	ZO Lab Jal.	7.5	8.4	1.5	272	2600	920	0.30	0.018	0.10	C	S
14	D/S Harike lake	1297	6/3/20	SW 132	ZO Lab Jal.	7.4	8.0	1.4	258	1700	610	0.28	0.01	0.18	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	16/3/20	SW 1251	ZO Lab Ldh	8.0	7.2	1.2	245	940	230	0.24	BDL	0.18	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	16/3/20	SW 1252	ZO Lab Ldh	7.9	7.3	1.4	249	840	230	0.23	BDL	0.21	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 Satluj

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 P mg/l	F mg/l	Na mg/l	K mg/l
1	River Satluj at U/S Nangal	1017	3/3/20	SW 1225	ZO Lab Ldh	<5	BDL	BDL	146	129	8	5	130	31.2	12.6	88	BDL	BDL	1.4	BDL	BDL	0.24	2.4	1.9
2	River Satluj at D/S NFL	1380	3/3/20	SW 1226	ZO Lab Ldh	<5	BDL	BDL	149	133	9	8	142	33.6	14.1	90	BDL	BDL	1.6	BDL	BDL	0.25	4.0	1.9
3	River Sutej at 100m D/s PACL Nangal	2915	3/3/20	SW 1227	ZO Lab Ldh	<5	BDL	BDL	158	143	10	7	136	32.8	13.1	92	BDL	BDL	1.4	BDL	BDL	0.24	4.1	1.7
4	River Satluj at D/s Nangal	1018	3/3/20	SW 1228	ZO Lab Ldh	<5	BDL	BDL	156	135	11	7	132	32	12.6	86	BDL	BDL	1.4	BDL	BDL	0.23	3.8	1.8
5	River Satluj at Kiratpur Sahib	1814	9/3/20	SW 1238	ZO Lab Ldh	<5	5	9	148	129	11	10	128	30.4	12.6	84	BDL	BDL	1.4	BDL	BDL	0.20	4.2	2.3
6	Ropar Head-Works	1019	9/3/20	SW 1235	ZO Lab Ldh	<5	12	BDL	196	168	16	14	142	33.6	14.1	102	BDL	BDL	1.4	BDL	BDL	0.23	7.8	2.3
7	River Satluj D/S of Rishab-Paper Mills	1293	9/3/20	SW 1234	ZO Lab Ldh	<5	7	8	251	221	22	16	188	44	19	142	BDL	BDL	1.4	BDL	BDL	0.26	26.1	2.9
8	River Satluj U/S Buddha Nallah	1690	12/3/20	SW 1240	ZO Lab Ldh	18	57	96	208	187	18	14	158	37.6	15.6	106	BDL	BDL	1.8	1.3	0.07	0.34	10.1	3.1
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	12/3/20	SW 1242	ZO Lab Ldh	72	19	25	264	217	30	26	184	43.2	18.5	134	BDL	4.2	2.0	5.6	0.92	0.42	18.8	6.8
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	16/3/20	SW 1248	ZO Lab Ldh	24	78	99	265	212	44	30	166	39.2	16.5	114	BDL	1.8	1.2	2.3	0.40	0.23	20.6	6
11	River Satluj at D/s East Bein	1381	16/3/20	SW 1249	ZO Lab Ldh	32	51	82	300	237	46	38	166	38.4	17	136	BDL	2.0	1.5	2.6	1.02	0.23	27.5	8.4
12	River Satluj at Harike	1022	16/3/20	SW 1250	ZO Lab Ldh	16	115	258	204	172	28	20	144	33.6	14.5	112	BDL	1.3	1.3	1.8	0.04	0.22	18.9	3.8
13	Harike Lake D/S from canal	1382	6/3/20	SW 131	ZO Lab Jal.	16	35	16	184	154	22	15	117	34	8	117	BDL	0.9	0.9	1.5	0.12	0.17	7.6	3.2
14	D/S Harike lake	1297	6/3/20	SW 132	ZO Lab Jal.	15	40	13	170	142	20	10	113	32	8	112	BDL	0.7	0.6	1.2	0.11	0.15	6.9	2.9
15	U/S Hussainiwala H/W Ferozepur	1691	16/3/20	SW 1251	ZO Lab Ldh	6	53	51	143	124	14	8	142	32.8	14.5	92	BDL	BDL	1.3	1.2	BDL	0.21	6.5	2.9
16	D/S Hussainiwala H/W Ferozepur	1692	16/3/20	SW 1252	ZO Lab Ldh	7	57	39	141	126	15	8	136	32	13.6	94	BDL	BDL	1.4	1.2	BDL	0.22	6.2	2.5

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River Beas

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17	River Beas at Talwara H/W	1693	16/3/20	SW 156	ZO Lab Jal.	7.7	7.8	1.4	262	0.02	0.44	BDL	110	49	B	S
18	River Beas at U/S Pathankot	1694	16/3/20	SW 158	ZO Lab Jal.	7.9	7.9	1.3	312	0.04	0.68	0.10	79	33	B	S
19	River Beas at D/S Pathankot	1695	16/3/20	SW 159	ZO Lab Jal.	7.4	7.1	1.5	338	0.01	0.29	0.15	280	110	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	16/3/20	SW 157	ZO Lab Jal.	7.9	8.1	1.5	318	0.04	0.66	0.09	94	46	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	5/3/20	SW 118	ZO Lab Jal.	7.6	7.2	1.6	315	0.02	0.37	0.21	430	210	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	5/3/20	SW 119	ZO Lab Jal.	7.8	7.4	1.4	321	0.02	0.17	0.16	350	170	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	6/3/20	SW 127	ZO Lab Jal.	7.9	8.2	1.5	263	0.04	0.18	0.14	280	140	B	S
24	River Beas at U/s Goindwal	1696	6/3/20	SW 128	ZO Lab Jal.	8.0	8.3	1.3	244	0.02	0.29	0.15	280	170	B	S
25	River Beas at D/s Goindwal	1012	6/3/20	SW 129	ZO Lab Jal.	7.8	8.1	1.3	242	0.02	0.28	0.18	350	210	B	S
26	Beas at Harike	1697	6/3/20	SW 130	ZO Lab Jal.	8.0	8.2	1.2	252	0.04	0.22	0.18	280	140	B	S

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17	River Beas at Talwara H/W	1693	16/3/20	SW 156	ZO Lab Jal.	14	6	BDL	170	148	16	8	91	26	6	129	BDL	0.6	0.5	0.9	0.05	0.10	9.5	3
18	River Beas at U/S Pathankot	1694	16/3/20	SW 158	ZO Lab Jal.	15	42	24	191	162	18	BDL	134	37	10	139	BDL	0.8	0.6	1.3	0.05	0.17	18	3.4
19	River Beas at D/S Pathankot	1695	16/3/20	SW 159	ZO Lab Jal.	16	47	32	206	173	24	10	142	42	9	148	BDL	0.9	0.7	1.3	0.05	0.13	7.9	2.6
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	16/3/20	SW 157	ZO Lab Jal.	15	28	12	202	158	20	8	140	36	12	135	BDL	0.8	0.5	1.2	0.06	0.16	18	3.6
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	5/3/20	SW 118	ZO Lab Jal.	15	29	12	192	156	16	12	118	30	11	146	BDL	0.8	0.8	1.2	0.07	0.16	9.2	4.1
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	5/3/20	SW 119	ZO Lab Jal.	14	22	10	190	159	18	13	122	32	10	139	BDL	0.7	0.7	1.0	0.07	0.15	4.3	2.5
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	6/3/20	SW 127	ZO Lab Jal.	15	25	12	185	150	16	10	115	30	10	124	BDL	0.8	0.6	1.1	0.07	0.16	4.5	2.7
24	River Beas at U/s Goindwal	1696	6/3/20	SW 128	ZO Lab Jal.	11	36	12	162	142	14	BDL	102	24	10	115	BDL	0.5	0.4	0.9	0.06	0.17	6.8	2.6
25	River Beas at D/s Goindwal	1012	6/3/20	SW 129	ZO Lab Jal.	13	34	14	164	140	14	BDL	102	26	9	117	BDL	0.6	0.4	1.0	0.05	0.14	6.4	2.4
26	Beas at Harike	1697	6/3/20	SW 130	ZO Lab Jal.	12	29	11	168	135	16	11	101	28	8	110	BDL	0.7	0.7	1.1	0.07	0.16	5.2	2.9

Note. 1. BDL means Below Method Detection Limit

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

River Ravi

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27	Ravi at U/s of Madhopur H/W	1097	16/3/20	SW 155	ZO Lab Jal.	7.5	8.3	<1	212	84	0.01	0.12	BDL	43	B	S

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27	Ravi at U/s of Madhopur H/W	1097	16/3/20	SW 155	ZO Lab Jal.	6	6	BDL	144	120	10	BDL	79	24	5	100	BDL	0.7	0.4	0.8	0.05	0.11	2.4	1.8

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1	Ghaggar at Mubarikpur Rest House	1023	5/3/20	SW 2021	H/o Lab Patiala	8.0	6.9	11	642	24000	3400	0.66	1.78	0.75	D	U
2	Ghaggar at Bhankarpur	1295	5/3/20	SW 2022	H/o Lab Patiala	7.8	3.1	35	898	28000	3800	0.49	1.77	0.88	E	U
3	Ghaggar at Chattbir	1698	5/3/20	SW 2023	H/o Lab Patiala	7.6	2.3	43	1008	28000	4600	0.36	2.00	0.79	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	5/3/20	SW 2024	H/o Lab Patiala	7.6	2.6	19	790	24000	3300	0.35	1.90	0.63	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	5/3/20	SW 2025	H/o Lab Patiala	7.7	2.4	28	1258	24000	3400	0.46	2.32	0.80	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	5/3/20	SW 2027	H/o Lab Patiala	7.9	2.2	20	1093	21000	2700	0.61	2.11	0.70	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	5/3/20	SW 2028	H/o Lab Patiala	7.7	2.0	26	1255	28000	4000	0.43	2.25	0.82	E	U
8	Ghaggar at Rattanheri	1473	11/3/20	SW 2055	H/o Lab Patiala	7.4	2.6	23	880	28000	3900	0.21	2.14	0.72	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11/3/20	SW 2056	H/o Lab Patiala	7.4	3.0	21	835	28000	3800	0.2	2.05	0.95	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11/3/20	SW 2057	H/o Lab Patiala	7.5	2.0	27	985	35000	4700	0.2	2.04	0.99	E	U
11	Ghaggar at Khanauri	1024	11/3/20	SW 2060	H/o Lab Patiala	7.3	2.5	18	828	24000	3300	0.10	1.80	0.72	E	U
12	Ghaggar at Moonak	1703	11/3/20	SW 2062	H/o Lab Patiala	7.4	1.9	21	852	28000	4000	0.17	1.84	0.84	E	U
13	Ghaggar at U/s Sardulgarh	1705	19/3/20	SW 2122	H/o Lab Patiala	7.5	5.0	16	670	22000	3100	0.2	1.45	0.55	D	U
14	Ghaggar at D/s Sardulgarh	1704	19/3/20	SW 2123	H/o Lab Patiala	6.8	4.7	17	768	28000	3800	0.43	1.63	0.64	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	5/3/20	H/o Lab Patiala	52	780	542	385	327	52	12	169	41	16	272	BDL	13.2	3.0	18.5	1.1	0.92	53	14
2	Ghaggar at Bhankarpur	1295	5/3/20	H/o Lab Patiala	168	295	299	539	458	83	31	329	84	29	282	BDL	14.1	2.1	19.7	4.8	0.82	74	35
3	Ghaggar at Chattbir	1698	5/3/20	H/o Lab Patiala	198	190	304	605	514	90	34	366	92	33	322	BDL	14.4	2.0	202	1.0	1.0	88	39
4	Ghaggar at U/s Jharmal Nadi	1702	5/3/20	H/o Lab Patiala	87	175	275	474	403	72	19	257	60	26	268	BDL	12.2	1.6	17.1	3.1	0.9	70	33
5	Ghaggar at D/s Jharmal Nadi	1701	5/3/20	H/o Lab Patiala	128	190	300	755	642	106	59	505	118	51	340	BDL	15.2	3.2	21.3	2.4	1.9	120	60
6	Ghaggar at U/s Dhakanshu Nallah	1699	5/3/20	H/o Lab Patiala	92	55	112	656	480	92	52	427	95	46	308	BDL	13.6	1.9	19.0	0.9	1.0	100	51
7	Ghaggar at D/s Dhakanshu Nallah	1700	5/3/20	H/o Lab Patiala	116	60	120	753	640	113	58	522	112	59	325	BDL	14.2	2.4	19.9	4.6	1.06	118	62
8	Ghaggar at Rattanheri	1473	11/3/20	H/o Lab Patiala	104	45	111	528	449	72	33	313	76	30	269	BDL	14.0	1.0	19.6	3.6	0.60	87	35
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11/3/20	H/o Lab Patiala	100	30	94	501	426	69	31	297	71	29	262	BDL	13.4	1.0	18.8	2.8	0.65	81	30
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11/3/20	H/o Lab Patiala	128	35	100	591	502	84	42	386	82	44	272	BDL	10.1	1.9	14.1	6.0	0.8	92	49
11	Ghaggar at Khanauri	1024	11/3/20	H/o Lab Patiala	81	25	72	497	422	62	29	303	70	31	280	BDL	10.2	0.9	14.3	3.1	0.7	72	31
12	Ghaggar at Moonak	1703	11/3/20	H/o Lab Patiala	94	30	78	511	434	64	30	315	73	32	282	BDL	11.1	1.0	15.5	4.6	0.8	75	34
13	Ghaggar at U/s Sardulgarh	1705	12/3/20	H/o Lab Patiala	72	35	99	402	342	46	22	200	47	20	271	BDL	10.0	0.9	14.0	1.6	0.8	47	24
14	Ghaggar at D/s Sardulgarh	1704	12/3/20	H/o Lab Patiala	80	45	120	461	392	55	29	239	56	24	287	BDL	12.3	1.04	17.2	2.4	0.9	58	32

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	13/3/20	SW 2063	H.O. Lab Patiala	7.2	BDL	198	4570	3,50,000	1,20,000	0.04	7.23	1.47	E	U
2	Tallewal Drain along with Lohgarh –Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/3/20	SW 2064	H.O. Lab Patiala	7.2	BDL	119	2187	47000	15000	0.26	3.53	0.88	E	U
3	Point Source B/N	2914	12/3/20	SW 1241	Z.O. Lab, Ludhiana	7.0	0	150	1567	2100000	1100000	BDL	1.82	0.42	E	U
4	Kali Bein into Beas	2913	13/3/20	SW 153	Z.O. Lab Jalandhar	7.2	4.6	3.0	371	8400	2100	0.006	1.06	0.42	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	18/3/20	SW 163A	Z.O. Lab Jalandhar	7.2	BDL	223	2370	210000	63000	0.58	6.90	0.57	E	U
7	Hundiara drain before entering Pakistan	2907	18/3/20	SW 163 B	Z.O. Lab Jalandhar	7.5	BDL	128	1670	140000	46000	0.74	4.96	0.60	E	U
8	Pathlawa Drain	2911	Sample was not collected													
9	Ranjit Sagar Reservoir	2912	16/3/20	SW 154	Z.O. Lab Jalandhar	7.7	8.0	<1	220	94	46	BDL	0.18	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5/3/20	SW 2026	H.O. Lab Patiala	7.9	BDL	65	957	84000	21000	0.36	2.06	1.15	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	11/3/20	SW 2058	H.O. Lab Patiala	7.4	BDL	44	920	28000	4600	0.9	1.72	0.47	E	U
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	5/3/20	SW 2032	H.O. Lab Patiala	7.9	BDL	64	1045	3,50,000	1,30,000	1.07	2.62	1.00	E	U
13	Confluence point of Sarsa Nadi with river Satluj	4161	9/3/20	SW 1236	Z.O. Lab, Ludhiana	7.8	8.4	<1	505	470	260	BDL	0.83	0.94	B	S

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

Drains

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.Alk n 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	13/3/20	SW 2063	H.O. Lab Patiala	704	155	387	2742	2331	612	200	1183	292	110	1097	BDL	4.2	4.9	5.9	3.0	1.4	571	199
2	Tallewal Drain along with Lohgarh –Jalwana Link road near Shri Krishna rice mill Punjab	2909	13/3/20	SW 2064	H.O. Lab Patiala	404	100	232	1312	1115	214	272	811	178	89	392	BDL	26.1	2.1	36.5	5.8	1.2	231	247
3	Point Source B/N	2914	12/3/20	SW 1241	Z.O. Lab, Ludhiana	424	184	446	980	776	116	42	304	72	30.1	620	BDL	14.8	3.4	18.4	4.6	0.78	73	25.6
4	Kali Bein into Beas	2913	13/3/20	SW 153	Z.O. Lab Jalandhar	20	10	BDL	238	197	18	12	105	32	6	124	BDL	0.6	0.8	1.3	0.15	0.16	25	5.2
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	18/3/20	SW 163A	Z.O. Lab Jalandhar	590	590	225	1585	1110	180	135	550	133	53	837	BDL	58	4.9	92	3.4	0.68	372	40
7	Hundiara drain before entering Pakistan	2907	18/3/20	SW 163 B	Z.O. Lab Jalandhar	380	285	120	1180	860	142	84	285	79	21	535	BDL	37	4.2	70	2.6	0.25	192	35
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	16/3/20	SW 154	Z.O. Lab Jalandhar	5	4	BDL	153	124	10	BDL	81	24	5	111	BDL	BDL	BDL	BDL	BDL	BDL	3.8	2.3
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5/3/20	SW 2026	H.O. Lab Patiala	258	110	223	574	488	82	19	394	113	27	289	BDL	7.9	1.7	11.1	3.8	0.9	94	26
11	Sagar Para Drain at village sagra dist.Patiala	4158	11/3/20	SW 2058	H.O. Lab Patiala	177	20	34	552	469	91	21	358	84	36	281	BDL	6.8	1.0	9.5	6.4	0.8	75	37
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	5/3/20	SW 2032	H.O. Lab Patiala	255	65	229	627	533	79	17	432	97	46	291	BDL	23.9	2.4	33.5	2.7	0.7	125	49
13	Confluence point of Sarsa Nadi with river Satluj	4161	9/3/20	SW 1236	Z.O. Lab, Ludhiana	<5	79	58	319	274	60	52	196	46.4	19.4	120	BDL	BDL	1.6	BDL	0.05	0.24	26.8	4.3

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