

Analysis results of Surface water monitoring under NWMP for the month of December, 2019

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 µs/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	03.12.19	SW 1049	ZO Lab Ldh	7.8	9.4	<1	242	220	40	0.035	0.23	BDL	B	S
2	River Satluj at D/S NFL	1380	03.12.19	SW 1051	ZO Lab Ldh	8.4	8.9	<1	291	370	180	0.188	0.16	BDL	B	S
3	River Sutej at 100m D/s PACL Nangal	2915	03.12.19	SW 1050	ZO Lab Ldh	7.8	8.9	<1	421	450	200	0.049	0.31	BDL	B	S
4	River Satluj at D/s Nangal	1018	03.12.19	SW 1052	ZO Lab Ldh	8.4	9.2	<1	274	490	230	0.175	0.15	BDL	B	S
5	River Satluj at Kiratpur Sahib	1814	04.12.19	SW 1060	ZO Lab Ldh	8.3	7.8	<1	230	940	230	0.140	0.16	0.13	C	S
6	Ropar Head-Works	1019	04.12.19	SW 1063	ZO Lab Ldh	8.0	8.0	<1	367	1700	780	0.105	0.27	0.11	C	S
7	River Satluj D/S of Rishab-Paper Mills	1293	04.12.19	SW 1064	ZO Lab Ldh	8.4	7.4	<1	310	2100	680	BDL	0.21	0.13	C	S
8	River Satluj U/S Buddha Nallah	1690	05.12.19	SW 1067	ZO Lab Ldh	8.0	8.1	1.2	488	4900	450	0.070	0.61	0.20	C	S
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	05.12.19	SW 1069	ZO Lab Ldh	7.6	1.2	24	840	35,00,000	17,00,000	0.133	1.22	0.26	E	U
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	06.12.19	SW 1071	ZO Lab Ldh	7.5	3.0	12	769	1,60,000	33,000	0.104	1.20	0.30	E	U
11	River Satluj at D/s East Bein	1381	06.12.19	SW 1072	ZO Lab Ldh.	7.4	4.8	9	870	1,30,000	22,000	0.132	1.43	0.31	D	U
12	River Satluj at Harike	1022	06.12.19	SW 1073	ZO Lab Ldh.	7.8	7.0	4.4	319	3300	200	0.042	0.43	0.20	C	S
13	Harike Lake D/S from canal	1382	11.12.19	SW 802	ZO Lab Jal.	7.9	8.8	1.5	201	2100	450	0.032	0.32	0.20	C	S
14	D/S Harike lake	1297	11.12.19	SW 803	ZO Lab Jal.	7.8	8.3	1.6	234	1700	300	0.021	0.34	0.22	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	09.12.19	SW 1079	ZO Lab Ldh	8.3	9.0	<1	292	490	93	BDL	0.26	0.16	B	S
16	D/S Hussainiwala H/W Ferozepur	1692	09.12.19	SW 1080	ZO Lab Ldh	8.3	8.9	1.2	299	220	61	0.100	0.25	0.17	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)
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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	NO3-N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
1	River Satluj at U/S Nangal	1017	03.12.19	SW 1049	ZO Lab Ldh	<5	3	BDL	146	129	5	7	108	28	9.2	70	BDL	1.0	4.84	1.2	BDL	0.24	5.6	2.3
2	River Satluj at D/S NFL	1380	03.12.19	SW 1051	ZO Lab Ldh	5	4	BDL	174	153	8	10	128	29.6	13.1	86	BDL	1.5	8.06	1.7	BDL	0.28	4.2	3.0
3	River Sutej at 100m D/s PACL Nangal	2915	03.12.19	SW 1050	ZO Lab Ldh	<5	2	BDL	256	220	17	14	190	46.4	18	130	BDL	1.4	3.72	1.6	BDL	0.18	9.7	3.9
4	River Satluj atD/s Nangal	1018	03.12.19	SW 1052	ZO Lab Ldh	<5	1	BDL	167	142	7	8	126	32	11.2	92	BDL	1.4	2.48	1.6	BDL	0.28	3.8	2.4
5	River Satluj at Kiratpur Sahib	1814	04.12.19	SW 1060	ZO Lab Ldh	<5	2	BDL	139	120	7	7	110	28.8	9.2	74	BDL	1.4	4.96	1.6	BDL	0.22	3.8	2.2
6	Ropar Head-Works	1019	04.12.19	SW 1063	ZO Lab Ldh	<5	6	BDL	189	164	14	12	128	30.4	12.6	92	BDL	2.1	4.72	2.6	BDL	0.18	6.9	2.6
7	River Satluj D/S of Rishab-Paper Mills	1293	04.12.19	SW 1064	ZO Lab Ldh	<5	8	BDL	180	157	9	15	128	33.6	9.7	90	BDL	BDL	5.12	1.1	BDL	0.30	5.4	2.3
8	River Satluj U/S Buddha Nallah	1690	05.12.19	SW 1067	ZO Lab Ldh	6	8	BDL	283	244	37	18	172	40.8	17	132	BDL	1.4	11.2	1.8	0.25	0.30	18.5	4.4
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	05.12.19	SW 1069	ZO Lab Ldh	88	75	142	482	410	84	26	194	48	18	206	BDL	5.3	3.12	7.1	0.20	0.52	39	9.7
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	06.12.19	SW 1071	ZO Lab Ldh	56	45	102	445	343	85	30	218	48	23.8	212	BDL	5.2	1.64	7.0	0.16	0.20	40.8	9.7
11	River Satluj at D/s East Bein	1381	06.12.19	SW 1072	ZO Lab Ldh	32	25	49	507	447	97	32	214	47.2	23.3	264	BDL	8.8	1.92	11.3	0.81	0.24	48.2	13.6
12	River Satluj at Harike	1022	06.12.19	SW 1073	ZO Lab Ldh	24	37	69	185	162	23	9	120	29.6	11.2	108	BDL	1.2	2.98	1.4	0.10	0.28	10.9	4.9
13	Harike Lake D/S from canal	1382	11.12.19	SW 802	ZO Lab Jal.	9	48	12	142	114	15	15	109	31	8	88	BDL	0.8	0.4	1.6	0.10	0.14	7.8	3.2
14	D/S Harike lake	1297	11.12.19	SW 803	ZO Lab Jal.	10	61	14	148	110	16	14	104	28	8	102	BDL	0.6	0.5	1.2	0.12	0.13	8.0	3.3
15	U/S Hussainiwala H/W Ferozepur	1691	09.12.19	SW 1079	ZO Lab Ldh	<5	16	30	170	144	10	7	102	25.6	9.2	90	BDL	BDL	1.44	1.0	0.06	0.18	6.1	2.9
16	D/S Hussainiwala H/W Ferozepur	1692	09.12.19	SW 1080	ZO Lab Ldh	6	18	34	173	145	11	7	108	28.8	8.7	88	BDL	1.0	4.34	1.3	0.07	20	6.0	2.6

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River Beas

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17	River Beas at Talwara H/W	1693	17.12.19	SW 814	ZO Lab Jal.	7.6	6.9	1.1	179	70	31	0.013	0.26	BDL	B	S
18	River Beas at U/S Pathankot	1694	17.12.19	SW 816	ZO Lab Jal.	7.9	7.9	1.4	258	79	33	0.027	0.36	0.15	B	S
19	River Beas at D/S Pathankot	1695	17.12.19	SW 817	ZO Lab Jal.	7.8	8.0	1.5	290	170	94	0.018	0.38	0.19	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	17.12.19	SW 815	ZO Lab Jal.	7.8	7.8	1.4	247	70	26	0.025	0.41	0.14	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	05.12.19	SW 789	ZO Lab Jal.	8.0	7.9	1.3	300	430	210	0.030	0.35	0.20	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	05.12.19	SW 790	ZO Lab Jal.	7.7	8.5	1.1	226	350	220	0.018	0.18	0.22	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	05.12.19	SW 791	ZO Lab Jal.	7.5	8.1	1.2	202	280	120	0.014	0.19	0.29	B	S
24	River Beas at U/s Goindwal	1696	11.12.19	SW 799	ZO Lab Jal.	7.8	8.4	BDL <1.0	208	280	170	0.011	0.22	0.25	B	S
25	River Beas at D/s Goindwal	1012	11.12.19	SW 800	ZO Lab Jal.	7.6	8.2	1.1	212	350	210	0.013	0.21	0.28	B	S
26	Beas at Harike	1697	11.12.19	SW 801	ZO Lab Jal.	7.8	8.6	BDL <1.0	216	240	130	0.021	0.22	0.21	B	S

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17	River Beas at Talwara H/W	1693	17.12.19	SW 814	ZO Lab Jal.	8	18	BDL	118	92	10	10	65	17	5	82	BDL	0.5	0.4	1.0	BDL	0.10	4.8	2.0
18	River Beas at U/S Pathankot	1694	17.12.19	SW 816	ZO Lab Jal.	14	22	10	160	130	12	10	88	26	6	102	BDL	0.6	0.4	1.2	0.05	0.10	7.8	2.6
19	River Beas at D/S Pathankot	1695	17.12.19	SW 817	ZO Lab Jal.	13	20	12	176	130	22	16	117	28	12	111	BDL	0.5	0.4	1.0	0.08	0.13	9.5	3.2
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	17.12.19	SW 815	ZO Lab Jal.	14	22	10	156	126	14	12	85	25	5	99	BDL	0.7	0.4	1.1	0.06	0.11	8.5	2.8
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	05.12.19	SW 789	ZO Lab Jal.	12	19	BDL	170	132	18	14	111	26	11	120	BDL	0.6	0.5	1.1	0.06	0.12	8.5	2.4
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	05.12.19	SW 790	ZO Lab Jal.	10	28	12	142	118	14	14	106	25	11	96	BDL	0.6	0.4	1.0	0.08	0.13	4.2	2.5
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	05.12.19	SW 791	ZO Lab Jal.	8	22	14	144	116	16	12	105	29	8	102	BDL	0.7	0.7	1.5	0.07	0.13	4.5	2.3
24	River Beas at U/s Goindwal	1696	11.12.19	SW 799	ZO Lab Jal.	7	41	14	132	102	14	10	84	19	9	94	BDL	BDL	BDL	BDL	0.05	0.11	4.6	2.2
25	River Beas at D/s Goindwal	1012	11.12.19	SW 800	ZO Lab Jal.	7	44	16	138	109	14	12	87	20	9	98	BDL	0.5	0.4	1.0	0.07	0.10	4.5	2.2
26	Beas at Harike	1697	11.12.19	SW 801	ZO Lab Jal.	8	23	11	132	104	16	16	95	24	8	90	BDL	0.6	0.7	1.3	0.08	0.12	4.8	2.7

Note. 1. BDL means Below Method Detection Limit
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Analysis results of Surface water monitoring under NWMP for the month of December

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 DBU	Water Quality Index
27	Ravi at U/s of Madhopur H/W	1097	17.12.19	SW 813	ZO Lab Jal.	7.9	7.2	1.3	158	58	21	0.014	0.08	BDL	B	S

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27	Ravi at U/s of Madhopur H/W	1097	17.12.19	SW 813	ZO Lab Jal.	12	20	BDL	104	82	8	8	84	24	6	75	BDL	BDL	BDL	BDL	BDL	BDL	1.6	1.8

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Analysis results of Surface water monitoring under NWMP for the month of **December, 2019**

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 DBU	Water Quality Index								
1	Ghaggar at Mubarikpur Rest House	1023	5/12/19	SW 1449	H/o Lab Patiala	7.6	6.9	7	380	14000	1700	0.28	1.18	0.71	D	U								
2	Ghaggar at Bhankarpur	1295	5/12/19	SW 1450	H/o Lab Patiala	7.5	4.2	32	717	21000	2100	0.27	1.58	0.86	D	U								
3	Ghaggar at Chattbir	1698	5/12/19	SW 1451	H/o Lab Patiala	7.3	3.0	12	598	21000	2200	0.12	1.73	0.82	E	U								
4	Ghaggar at U/s Jharmal Nadi	1702	5/12/19	SW 1452	H/o Lab Patiala	7.7	4.0	9	475	15000	2000	0.36	1.47	0.70	D	U								
5	Ghaggar at D/s Jharmal Nadi	1701	5/12/19	SW 1453	H/o Lab Patiala	7.6	3.3	16	620	22000	2100	0.35	1.57	0.79	E	U								
6	Ghaggar at U/s Dhakanshu Nallah	1699	5/12/19	SW 1455	H/o Lab Patiala	7.6	3.6	13	617	17000	1700	0.29	1.76	0.74	E	U								
7	Ghaggar at D/s Dhakanshu Nallah	1700	5/12/19	SW 1456	H/o Lab Patiala	7.4	3.2	19	810	24000	2700	0.21	2.04	0.81	E	U								
8	Ghaggar at Rattanheri	1473	10/12/19	SW 1509	H/o Lab Patiala	7.8	3.9	14	760	28000	3800	0.42	2.17	0.84	E	U								
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/12/19	SW 1510	H/o Lab Patiala	7.9	3.7	15	845	24000	3400	0.59	2.18	0.79	E	U								
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/12/19	SW 1511	H/o Lab Patiala	7.7	3.2	22	1000	28000	3900	0.36	2.48	0.88	E	U								
11	Ghaggar at Khanauri	1024	10/12/19	SW 1514	H/o Lab Patiala	7.7	3.8	27	833	28000	3200	0.32	2.34	0.90	E	U								
12	Ghaggar at Moonak	1703	10/12/19	SW 1516	H/o Lab Patiala	7.9	3.1	26	948	28000	4000	0.59	2.23	0.99	E	U								
13	Ghaggar at U/s Sardulgarh	1705	12/12/19	SW 1530	H/o Lab Patiala	7.8	4.2	9	532	17000	2600	0.36	1.75	0.42	D	U								
14	Ghaggar at D/s Sardulgarh	1704	12/12/19	SW 1531	H/o Lab Patiala	7.9	4.0	14	632	21000	3200	0.54	1.67	0.57	D	U								
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.Alkn 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	Ghaggar at Mubarikpur Rest House	1023	5/12/19	SW 1449	H/o Lab Patiala	28	320	268	228	194	27	9	79	23	5	159	BDL	11.3	2.24	15.8	3.2	0.41	24	11
2	Ghaggar at Bhankarpur	1295	5/12/19	SW 1450	H/o Lab Patiala	145	160	210	430	366	62	26	254	72	18	212	BDL	13.7	1.94	19.2	3.3	0.11	58	24
3	Ghaggar at Chattbir	1698	5/12/19	SW 1451	H/o Lab Patiala	56	155	191	359	305	47	19	166	43	14	209	BDL	12.2	1.13	17.1	2.7	0.62	51	20
4	Ghaggar at U/s Jharmal Nadi	1702	5/12/19	SW 1452	H/o Lab Patiala	33	70	110	285	242	36	11	114	29	10	183	BDL	11.9	0.93	16.7	2.3	0.32	36	16
5	Ghaggar at D/s Jharmal Nadi	1701	5/12/19	SW 1453	H/o Lab Patiala	76	110	143	372	316	51	21	165	58	17	219	BDL	13.9	1.04	19.5	3.0	0.70	53	22
6	Ghaggar at U/s Dhakanshu Nallah	1699	5/12/19	SW 1455	H/o Lab Patiala	58	70	120	370	315	39	18	198	48	19	215	BDL	11.7	0.90	16.4	1.2	0.74	57	24
7	Ghaggar at D/s Dhakanshu Nallah	1700	5/12/19	SW 1456	H/o Lab Patiala	84	75	134	430	366	67	26	249	60	24	279	BDL	14.1	1.24	19.7	1.5	0.87	74	29
8	Ghaggar at Rattanheri	1473	10/12/19	SW 1509	H/o Lab Patiala	64	50	163	456	388	59	24	238	64	19	224	BDL	12.1	0.74	16.9	2.6	0.56	77	36
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	10/12/19	SW 1510	H/o Lab Patiala	68	35	155	507	431	68	27	263	67	23	261	BDL	13.2	1.21	18.5	2.6	0.83	81	39
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	10/12/19	SW 1511	H/o Lab Patiala	98	30	149	600	510	83	34	319	80	29	297	BDL	11.9	1.49	16.7	3.8	0.94	102	46
11	Ghaggar at Khanauri	1024	10/12/19	SW 1514	H/o Lab Patiala	124	30	133	500	425	85	33	333	82	31	301	BDL	10.7	1.61	15.0	4.6	0.96	98	38
12	Ghaggar at Moonak	1703	10/12/19	SW 1516	H/o Lab Patiala	118	30	144	569	484	82	29	323	80	30	292	BDL	13.0	1.29	18.2	5.2	0.82	92	34
13	Ghaggar at U/s Sardulgarh	1705	12/12/19	SW 1530	H/o Lab Patiala	43	20	33	319	271	28	21	143	34	14	205	BDL	10.4	0.62	14.6	0.85	0.41	48	16
14	Ghaggar at D/s Sardulgarh	1704	12/12/19	SW 1531	H/o Lab Patiala	60	25	41	379	322	43	18	214	49	22	224	BDL	11.9	0.82	16.7	1.4	0.63	56	20

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Drains

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	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	6/12/19	SW 1474	H.O. Lab Patiala	7.5	BDL	103	4830	2,80,000	1,10,000	0.14	7.70	1.22	E	U
2	Tallewal Drain along with Lohgarh –Jalwana Link road near Shri Krishna rice mill Punjab	2909	6/12/19	SW 1475	H.O. Lab Patiala	7.6	BDL	42	1571	35000	12000	0.62	3.42	0.97	E	U
3	Point Source B/N	2914	05.12.19	SW 1068	Z.O. Lab, Ludhiana	7.3	0	143	1922	92,00,000	54,00,000	0.231	2.89	0.82	E	N
4	Kali Bein into Beas	2913	19.12.19	SW 832	Z.O. Lab Jalandhar	7.3	4.8	2.8	324	4800	1300	0.011	0.80	0.77	C	S
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	20.12.19	SW 833	Z.O. Lab Jalandhar	7.2	ND	298	1840	210000	94000	0.480	4.23	1.14	E	U
7	Hundiara drain before entering Pakistan	2907	20.12.19	SW 834	Z.O. Lab Jalandhar	7.9	ND	110	1220	150000	63000	1.530	2.37	1.62	E	U
8	Pathlawra Drain	2911	Sample was not collected													
9	Ranjit Sagar Reservoir	2912	17.12.19	SW 812	Z.O. Lab Jalandhar	7.8	7.7	BDL <1.0	157	63	26	0.011	0.11	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5/12/19	SW 1454	H.O. Lab Patiala	7.4	BDL	100	1392	1,10,000	49000	0.14	2.52	0.94	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	10/12/19	SW 1512	H.O. Lab Patiala	7.8	BDL	25	822	35000	4600	0.15	1.64	0.91	E	U
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	5/12/19	SW 1460	H.O. Lab Patiala	7.6	BDL	64	1227	2,20,000	94000	0.62	2.85	0.96	E	U
13	Confluence point of Sarsa Nadi with river Satluj	4161	04.12.19	SW 1062	Z.O. Lab, Ludhiana	8.3	7.7	1.4	393	1100	270	0.100	0.17	0.12	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 December, 2019

Drains

S.N .	Point of Sample Collection	Code	Date of receipt in lab	Lab Sampl e 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	NO3-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	6/12/19	SW 1474	H.O. Lab Patiala	352	90	210	2898	2463	677	232	1147	299	97	1109	BDL	6.9	4.61	9.7	5.9	1.24	599	171
2	Tallewal Drain along with Lohgarh –Jalwana Link road near Shri Krishna rice mill Punjab	2909	6/12/19	SW 1475	H.O. Lab Patiala	167	40	87	946	804	104	47	475	119	43	299	BDL	24.7	2.20	65.6	2.2	0.92	171	198
3	Point Source B/N	2914	05.12.19	SW 1068	Z.O. Lab, Ludhiana	388	210	380	1115	997	285	46	336	64.8	42.3	522	BDL	23.1	8.58	31.2	4.59	0.84	122	29.5
4	Kali Bein into Beas	2913	19.12.19	SW 832	Z.O. Lab Jalandhar	20	18	BDL	210	148	25	20	118	32	9	116	BDL	1.1	0.6	1.7	0.14	0.15	20	5.5
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	20.12.19	SW 833	Z.O. Lab Jalandhar	708	394	72	1210	840	236	98	586	179	33	500	BDL	48	2.8	82	0.9	0.54	235	30
7	Hundiara drain before entering Pakistan	2907	20.12.19	SW 834	Z.O. Lab Jalandhar	310	506	184	825	580	108	86	425	92	47	442	BDL	34	2.9	52	0.8	0.40	112	26
8	Pathlawa Drain	2911	Drain was found dried, hence sample could not be collected																					
9	Ranjit Sagar Reservoir	2912	17.12.19	SW 812	Z.O. Lab Jalandhar	6	16	BDL	106	85	6	8	65	16	6	77	BDL	BDL	BDL	BDL	BDL	BDL	2.0	1.5
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	5/12/19	SW 1454	H.O. Lab Patiala	343	90	224	838	712	112	43	656	183	48	312	BDL	9.2	2.4	12.9	3.2	0.89	148	49
11	Sagar Para Drain at village sagra dist.Patiala	4158	10/12/19	SW 1512	H.O. Lab Patiala	104	25	52	493	419	82	11	317	87	24	254	BDL	4.2	0.69	5.9	5.0	0.49	67	25
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	5/12/19	SW 1460	H.O. Lab Patiala	244	85	298	736	626	98	35	470	104	51	307	BDL	24.9	2.51	34.9	3.9	0.97	142	63
13	Confluence point of Sarsa Nadi with river Satluj	4161	04.12.19	SW 1062	Z.O. Lab, Ludhiana	7	10	BDL	235	204	35	12	176	44.8	15.6	140	BDL	1.0	9.7	1.3	BDL	0.32	5.2	2.6

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