

Analysis results of Surface water monitoring under NWMP for the month of February, 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	8.2.19	SW 364	ZO Lab Ldh	7.08	9.8	<1	213	120	18	BDL	0.14	0.15	B	S
2	River Satluj at D/S NFL	1380	8.2.19	SW 366	ZO Lab Ldh	7.13	9.0	<1	258	200	45	0.008	0.15	0.12	B	S
3	River Sutej at 100m D/s PACL Nangal	2915	8.2.19	SW 367	ZO Lab Ldh	7.14	8.9	<1	262	200	68	0.007	0.13	BDL	B	S
4	River Satluj at D/s Nangal	1018	8.2.19	SW 365	ZO Lab Ldh	7.09	9.2	<1	239	170	37	0.006	0.15	0.12	B	S
5	River Satluj at Kiratpur Sahib	1814	12.2.19	SW 369	ZO Lab Ldh	7.27	8.3	<1	293	1400	400	0.019	0.46	0.13	C	S
6	Ropar Head-Works	1019	12.2.19	SW 372	ZO Lab Ldh	7.66	8.6	<1	269	1500	200	0.072	0.42	0.14	C	S
7	River Satluj D/S of Rishab-Paper Mills	1293	12.2.19	SW 373	ZO Lab Ldh	7.48	8.2	<1	381	1500	400	0.052	0.55	0.14	C	S
8	River Satluj U/S Buddha Nallah	1690	13.2.19	SW 375	ZO Lab Ldh	7.24	7.8	1.1	394	4700	1000	0.032	0.83	0.12	C	S
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.2.19	SW 377	ZO Lab Ldh	7.09	2.4	38	796	11,000,00	7,000,00	0.007	3.20	0.25	E	N
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	14.2.19	SW 385	ZO Lab Ldh	7.16	4.6	9.0	584	1,60,000	54,000	0.058	2.16	0.19	D	N
11	River Satluj at D/s East Bein	1381	12.2.19	SW 241	ZO Lab Jal.	8.0	2.4	12	510	11000	3300	0.560	1.48	0.12	E	N
12	River Satluj at Harike	1022	12.2.19	SW 242	ZO Lab Jal.	7.9	6.0	2.8	380	8400	3100	0.144	1.33	0.15	D	N
13	Harike Lake D/S from canal	1382	12.2.19	SW 243	ZO Lab Jal.	8.2	8.0	1.9	290	2600	1100	0.176	0.35	0.23	C	S
14	D/S Harike lake	1297	12.2.19	SW 244	ZO Lab Jal.	7.9	8.4	1.6	286	6300	2600	0.0063	0.30	0.16	D	N
15	U/S Hussainiwala H/W Ferozepur	1691	14.2.19	SW 386	ZO Lab Ldh	7.37	8.8	<1	227	2100	450	0.012	0.48	BDL	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	14.2.19	SW 387	ZO Lab Ldh	7.32	8.7	<1	232	2100	680	0.009	0.47	BDL	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, N means Not Satisfactory)
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	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	8.2.19	SW 364	ZO Lab Ldh	<5	6.0	5	136	120	8	10	108	31.2	7.3	90	BDL	0.9	1.02	1.1	0.08	0.19	3.4	2.0
2	River Satluj at D/S NFL	1380	8.2.19	SW 366	ZO Lab Ldh	6.4	6.2	8	160	142	13	14	124	36	8.3	98	BDL	1.6	0.77	2.0	0.10	0.14	3.9	2.5
3	River Sutej at 100m D/s PACL Nangal	2915	8.2.19	SW 367	ZO Lab Ldh	6.4	6.8	8	162	146	11	13	130	36.8	9.2	102	BDL	1.3	0.78	1.8	0.11	0.14	3.5	2.1
4	River Satluj atD/s Nangal	1018	8.2.19	SW 365	ZO Lab Ldh	<5	6.4	7	148	132	9	11	116	33.6	7.8	96	BDL	1.1	1.59	1.6	0.09	0.20	3.8	2.7
5	River Satluj at Kiratpur Sahib	1814	12.2.19	SW 369	ZO Lab Ldh	7.2	7.8	11	182	160	13	15	128	36.8	8.7	116	BDL	1.9	1.26	2.2	0.16	0.21	12	2.8
6	Ropar Head-Works	1019	12.2.19	SW 372	ZO Lab Ldh	<5	8.0	10	160	149	11	16	130	36	9.7	106	BDL	2.4	1.12	2.9	0.13	0.19	11	3.5
7	River Satluj D/S of Rishab- Paper Mills	1293	12.2.19	SW 373	ZO Lab Ldh	<5	8.4	14	244	208	18	20	184	55.2	11.1	152	BDL	2.6	1.37	3.0	0.14	0.20	17	8.2
8	River Satluj U/S Buddha Nallah	1690	13.2.19	SW 375	ZO Lab Ldh	12	13	19	252	211	23	26	172	49.6	11.7	136	BDL	3.2	2.87	4.0	0.22	0.21	25	6.9
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	13.2.19	SW 377	ZO Lab Ldh	136	82	70	517	434	56	52	216	56	18.5	254	BDL	14	0.41	17.6	1.0	0.32	108	22
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	14.2.19	SW 385	ZO Lab Ldh	48	33	24	368	312	32	34	188	52.8	13.6	190	BDL	5.8	0.29	8.0	0.40	0.25	68	15
11	River Satluj at D/s East Bein	1381	12.2.19	SW 241	ZO Lab Jal.	42	80	40	356	272	45	25	137	42	8	257	BDL	11.2	1.4	15	0.48	0.31	40	7.8
12	River Satluj at Harike	1022	12.2.19	SW 242	ZO Lab Jal.	22	89	44	247	185	30	18	124	40	6	150	BDL	3.2	1.2	3.2	0.28	0.15	34	6.4
13	Harike Lake D/S from canal	1382	12.2.19	SW 243	ZO Lab Jal.	18	65	34	186	158	14	10	102	34	4	138	BDL	2.2	0.8	3.4	0.24	0.13	8	3.2
14	D/S Harike lake	1297	12.2.19	SW 244	ZO Lab Jal.	14	78	40	180	150	16	10	138	44	7	128	BDL	1.4	1.0	2.0	0.20	0.15	8	3.1
15	U/S Hussainiwala H/W Ferozepur	1691	14.2.19	SW 386	ZO Lab Ldh	6.4	5.4	8	140	126	10	8	98	28	6.8	92	BDL	0.8	0.35	1.1	0.10	0.18	11	3.8
16	D/S Hussainiwala H/W Ferozepur	1692	14.2.19	SW 387	ZO Lab Ldh	6.4	5.6	9	143	127	11	8	102	28.8	7.3	94	BDL	0.9	1.27	1.1	0.11	0.16	11	3.6

Note. 1. BDL means Below Method Detection Limit
2. U/s means upstream, D/s downstream

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River Beas

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
17	River Beas at Talwara H/W	1693	18.2.19	SW 252	ZO Lab Jal.	7.6	9.0	1.0	207	70	33	BDL	0.37	0.13	B	S
18	River Beas at U/S Pathankot	1694	18.2.19	SW 254	ZO Lab Jal.	7.9	8.7	1.3	237	220	110	BDL	0.30	0.10	B	S
19	River Beas at D/S Pathankot	1695	18.2.19	SW 255	ZO Lab Jal.	8.0	8.4	1.7	288	350	170	0.040	0.30	0.12	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	18.2.19	SW 253	ZO Lab Jal.	7.8	8.9	1.2	270	120	49	BDL	0.53	0.12	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	18.2.19	SW 256	ZO Lab Jal.	7.9	8.1	1.8	310	790	490	0.036	0.55	0.17	C	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	20.2.19	SW 257	ZO Lab Jal.	7.8	8.5	1.6	370	630	460	0.032	0.70	0.14	C	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	20.2.19	SW 258	ZO Lab Jal.	7.7	8.6	1.5	250	840	460	0.024	0.35	0.22	C	S
24	River Beas at U/s Goindwal	1696	20.2.19	SW 259	ZO Lab Jal.	7.8	8.8	1.4	258	490	230	0.025	0.38	0.12	B	S
25	River Beas at D/s Goindwal	1012	20.2.19	SW 260	ZO Lab Jal.	7.9	8.1	1.6	260	580	250	0.036	0.33	0.15	C	S
26	Beas at Harike	1697	12.2.19	SW240	ZO Lab Jal.	8.2	8.2	1.4	247	540	350	0.064	0.35	0.09	C	S

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
17	River Beas at Talwara H/W	1693	18.2.19	SW 252	ZO Lab Jal.	8	9.2	12	145	115	15	10	88	26	6	99	BDL	BDL	BDL	BDL	BDL	BDL	8	2.5
18	River Beas at U/S Pathankot	1694	18.2.19	SW 254	ZO Lab Jal.	12	49	34	160	136	17	10	122	32	6	120	BDL	BDL	0.6	BDL	0.12	0.14	7	1.5
19	River Beas at D/S Pathankot	1695	18.2.19	SW 255	ZO Lab Jal.	18	64	36	200	154	16	12	135	40	9	160	BDL	0.8	0.8	1.2	0.14	0.15	8	2.0
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	18.2.19	SW 253	ZO Lab Jal.	10	10.4	12	176	148	16	12	97	29	6	127	BDL	BDL	BDL	BDL	BDL	BDL	12	2.7
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	18.2.19	SW 256	ZO Lab Jal.	18	55	32	218	187	18	14	123	38	7	172	BDL	0.8	1.0	1.4	0.15	0.12	14	4.2
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	20.2.19	SW 257	ZO Lab Jal.	16	58	30	234	205	19	16	140	47	5	160	BDL	0.9	1.2	1.6	0.16	0.14	19	4.8
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	20.2.19	SW 258	ZO Lab Jal.	18	74	36	166	144	16	14	102	32	5	128	BDL	0.8	1.0	1.5	0.15	0.16	8	2.6
24	River Beas at U/s Goindwal	1696	20.2.19	SW 259	ZO Lab Jal.	14	50	32	172	146	14	12	105	33	6	138	BDL	0.7	0.8	1.4	0.14	0.14	9	2.7
25	River Beas at D/s Goindwal	1012	20.2.19	SW 260	ZO Lab Jal.	14	48	36	174	130	13	14	108	34	6	118	BDL	0.8	1.2	1.4	0.13	0.13	8	4.0
26	Beas at Harike	1697	12.2.19	SW240	ZO Lab Jal.	12	68	34	170	150	14	10	100	33	4	142	BDL	0.8	1.0	1.5	0.12	0.17	8	3.0

- Note. 1. BDL means Below Method Detection Limit
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Analysis results of Surface water monitoring under NWMP for the month of February, 2019

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 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	18.2.19	SW 251	ZO Lab Jal.	7.4	8.9	BDL	210	94	43	BDL	0.14	0.11	B	S

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27	Ravi at U/s of Madhopur H/W	1097	18.2.19	SW 251	ZO Lab Jal.	6	3.5	BDL	144	116	14	14	86	30	2	85	BDL	BDL	BDL	BDL	BDL	BDL	3	2.4

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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 µs/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	13.2.19	SW 1346	H/o Lab Patiala	8.1	5.6	7	570	21000	3800	0.553	0.90	0.12	D	N
2	Ghaggar at Bhankarpur	1295	13.2.19	SW 1347	H/o Lab Patiala	7.6	4.4	22	785	28000	6300	0.395	1.13	0.16	D	N
3	Ghaggar at Chattbir	1698	13.2.19	SW 1348	H/o Lab Patiala	7.5	3.4	18	782	24000	4900	0.328	1.57	0.18	E	N
4	Ghaggar at U/s Jharmal Nadi	1702	13.2.19	SW 1349	H/o Lab Patiala	7.6	4.3	12	867	21000	3100	0.350	1.56	0.14	D	N
5	Ghaggar at D/s Jharmal Nadi	1701	13.2.19	SW 1350	H/o Lab Patiala	7.7	3.0	14	953	24000	3400	0.300	1.79	0.17	E	N
6	Ghaggar at U/s Dhakanshu Nallah	1699	13.2.19	SW 1352	H/o Lab Patiala	7.8	4.0	12	920	17000	2600	0.396	1.94	0.15	D	N
7	Ghaggar at D/s Dhakanshu Nallah	1700	13.2.19	SW 1353	H/o Lab Patiala	7.6	3.6	16	993	28000	5800	0.300	1.92	0.21	E	N
8	Ghaggar at Rattanheri	1473	15.2.19	SW 1372	H/o Lab Patiala	7.5	2.3	19	1052	24000	4100	0.292	2.35	0.20	E	N
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	22.2.19	SW 1397	H/o Lab Patiala	7.5	4.1	18	978	24000	3400	0.270	2.31	0.19	D	N
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	22.2.19	SW 1399	H/o Lab Patiala	7.4	2.6	34	1188	28000	5800	0.185	3.20	0.28	E	N
11	Ghaggar at Khanauri	1024	22.2.19	SW 1400	H/o Lab Patiala	7.4	3.0	26	1114	22000	3200	0.230	2.19	0.18	E	N
12	Ghaggar at Moonak	1703	22.2.19	SW 1401	H/o Lab Patiala	7.5	2.2	28	1067	28000	3800	0.288	2.16	0.22	E	N
13	Ghaggar at U/s Sardulgarh	1705	15.2.19	SW 1370	H/o Lab Patiala	7.7	2.9	21	1057	22000	3900	0.387	2.57	0.16	E	N
14	Ghaggar at D/s Sardulgarh	1704	15.2.19	SW 1371	H/o Lab Patiala	7.6	2.7	23	1183	24000	4900	0.340	2.54	0.21	E	N

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1	Ghaggar at Mubarikpur Rest House	1023	13.2.19	SW 1346	H/o Lab Patiala	31	380	1006	342	291	31	13	212	70	9	265	BDL	8.5	4.39	12.0	1.7	0.31	30	4
2	Ghaggar at Bhankarpur	1295	13.2.19	SW 1347	H/o Lab Patiala	308	50	252	642	546	100	34	398	118	25	440	BDL	15.8	0.98	22.1	3.6	0.21	52	16
3	Ghaggar at Chattbir	1698	13.2.19	SW 1348	H/o Lab Patiala	110	200	686	510	434	72	22	259	82	13	366	BDL	16.4	1.12	22.9	3.3	0.20	58	14
4	Ghaggar at U/s Jharmal Nadi	1702	13.2.19	SW 1349	H/o Lab Patiala	104	160	784	508	432	63	19	244	78	12	383	BDL	14.0	0.95	19.0	3.0	0.20	56	15
5	Ghaggar at D/s Jharmal Nadi	1701	13.2.19	SW 1350	H/o Lab Patiala	61	270	496	520	442	70	28	242	75	13	366	BDL	10.0	0.73	14.0	2.3	0.32	64	16
6	Ghaggar at U/s Dhakanshu Nallah	1699	13.2.19	SW 1352	H/o Lab Patiala	72	390	576	572	486	97	31	262	80	15	373	BDL	11.3	0.96	15.8	2.6	0.36	72	20
7	Ghaggar at D/s Dhakanshu Nallah	1700	13.2.19	SW 1353	H/o Lab Patiala	80	100	204	596	507	102	25	280	84	17	408	BDL	12.0	0.78	16.8	4.5	0.28	74	17
8	Ghaggar at Rattanheri	1473	15.2.19	SW 1372	H/o Lab Patiala	94	70	108	630	536	109	23	297	86	20	406	BDL	14.6	0.70	20.4	3.3	0.33	93	20
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	22.2.19	SW 1397	H/o Lab Patiala	87	60	85	587	499	112	20	251	74	16	402	BDL	13.5	0.81	18.9	2.9	0.27	84	23
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	22.2.19	SW 1399	H/o Lab Patiala	174	70	176	713	606	131	28	352	98	26	464	BDL	12.3	1.0	17.2	3.5	0.29	138	26
11	Ghaggar at Khanauri	1024	22.2.19	SW 1400	H/o Lab Patiala	134	50	66	668	568	112	36	399	94	24	422	BDL	15.3	0.94	21.5	4.5	0.36	92	19
12	Ghaggar at Moonak	1703	22.2.19	SW 1401	H/o Lab Patiala	140	40	43	640	544	108	33	316	90	22	447	BDL	14.4	0.83	21.2	7.2	0.35	88	21
13	Ghaggar at U/s Sardulgarh	1705	15.2.19	SW 1370	H/o Lab Patiala	106	20	48	634	539	106	32	271	77	19	437	BDL	12.9	0.79	18.0	4.9	0.38	97	34
14	Ghaggar at D/s Sardulgarh	1704	15.2.19	SW 1371	H/o Lab Patiala	112	30	51	710	604	112	38	306	81	25	460	BDL	13.6	0.91	19.1	5.0	0.40	102	39

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	26.2.19	SW 1439	H.O. Lab Patiala	7.5	BDL	240	5375	430000	280000	0.124	12.40	0.24	E	N
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	26.2.19	SW 1440	H.O. Lab Patiala	7.5	BDL	65	2337	70000	26000	0.314	3.29	0.22	E	N
3	Point Source B/N	2914	13.2.19	SW 376	Z.O. Lab, Ludhiana	7.01	BDL	135	1584	3500000	2400000	BDL	3.65	0.34	E	N
4	Kali Bein into Beas	2913	21.2.19	SW 272	Z.O. Lab Jalandhar	7.6	6.4	3.8	423	2800	1300	0.045	0.74	0.32	D	N
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	12.2.19	SW 245	Z.O. Lab Jalandhar	7.5	ND	220	2470	350000	210000	1.00	6.19	0.19	E	N
7	Hundiara drain before entering Pakistan	2907	12.2.19	SW 246	Z.O. Lab Jalandhar	7.8	ND	88	1410	150000	84000	1.40	3.55	0.14	E	N
8	Pathlawa Drain	2911	Sample was not collected													
9	Ranjit Sagar Reservoir	2912	18.2.19	SW 250	Z.O. Lab Jalandhar	7.2	8.7	BDL	221	70	33	BDL	0.45	0.10	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	13.2.19	SW 1351	H.O. Lab Patiala	7.6	BDL	20	1070	38000	13000	0.168	0.20	0.26	E	N
11	Sagar Para Drain at village sagra dist.Patiala	4158	22.2.19	SW 1398	H.O. Lab Patiala	7.4	BDL	132	2145	33000	6100	0.107	1.54	0.32	E	N
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	13.2.19	SW 1354	H.O. Lab Patiala	7.5	4.1	18	978	24000	3400	0.316	4.58	0.19	E	N
13	Confluence point of Sarsa Nadi with river Satluj	4161	The confluence point of Sirsa Nadi with River Satluj was not approachable, hence sample was not collected.													

- 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, N means Not Satisfactory)

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

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	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	26.2.19	SW 1439	H.O. Lab Patiala	957	190	448	3225	2741	885	218	955	272	65	932	BDL	6.2	0.93	8.7	6.3	0.60	877	282
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	26.2.19	SW 1440	H.O. Lab Patiala	341	70	222	1402	1192	380	102	618	157	42	522	BDL	15.7	1.42	21.9	3.4	0.41	180	212
3	Point Source B/N	2914	13.2.19	SW 376	Z.O. Lab, Ludhiana	528	260	245	1014	842	168	142	320	76	31.6	520	BDL	36	1.55	48	2.6	0.42	150	32
4	Kali Bein into Beas	2913	21.2.19	SW 272	Z.O. Lab Jalandhar	22	42	26	298	250	20	16	231	76	10	184	BDL	1.8	1.2	2.6	0.20	0.20	26	6.1
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	12.2.19	SW 245	Z.O. Lab Jalandhar	7.5	410	180	1540	1180	179	140	722	234	33	555	BDL	50	3.2	86	3.2	0.32	382	33
7	Hundiara drain before entering Pakistan	2907	12.2.19	SW 246	Z.O. Lab Jalandhar	7.8	380	154	860	645	119	88	410	114	29	380	BDL	40	2.8	72	2.8	0.30	164	39
8	Pathlawar Drain	2911	Sample was not collected																					
9	Ranjit Sagar Reservoir	2912	18.2.19	SW 250	Z.O. Lab Jalandhar	6	5.4	10	145	120	15	12	76	24	4	88	BDL	BDL	BDL	BDL	BDL	BDL	9	2.8
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	13.2.19	SW 1351	H.O. Lab Patiala	101	140	178	642	546	70	33	367	99	29	460	BDL	6.7	0.53	9.4	2.4	0.38	78	18
11	Sagar Para Drain at village sagra dist.Patiala	4158	22.2.19	SW 1398	H.O. Lab Patiala	528	90	54	1286	1093	275	65	486	142	32	745	BDL	7.1	1.02	10.0	6.7	0.32	210	48
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	13.2.19	SW 1354	H.O. Lab Patiala	308	50	252	642	546	100	34	398	118	25	440	BDL	15.8	0.98	22.1	3.6	0.21	52	16
13	Confluence point of Sarsa Nadi with river Satluj	4161	The confluence point of Sirsa Nadi with River Satluj was not approachable, hence sample was not collected.																					

Note. . BDL means Below Method Detection Limit