

Analysis results of Surface water monitoring under NWMP for the month of July, 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	4/7/9	SW 792	ZO Lab Ldh	8.13	9.0	<1	207	94	22	BDL	0.29	BDL	B	S
2	River Satluj at D/S NFL	1380	4/7/9	SW 793	ZO Lab Ldh	7.96	8.8	<1	218	130	33	BDL	0.31	BDL	B	S
3	River Sutej at 100m D/s PACL Nangal	2915	4/7/9	SW 794	ZO Lab Ldh	7.95	8.8	<1	232	140	46	BDL	0.30	0.11	B	S
4	River Satluj at D/s Nangal	1018	4/7/9	SW 795	ZO Lab Ldh	7.97	8.7	<1	239	220	70	BDL	0.29	BDL	B	S
5	River Satluj at Kiratpur Sahib	1814	9/7/19	SW 799	ZO Lab Ldh	7.55	8.6	<1	260	170	46	BDL	0.38	0.20	B	S
6	Ropar Head-Works	1019	9/7/19	SW 802	ZO Lab Ldh	8.2	8.5	<1	272	350	130	0.096	0.25	0.14	B	S
7	River Satluj D/S of Rishab- Paper Mills	1293	9/7/19	SW 803	ZO Lab Ldh	8.01	8.0	<1	280	490	130	0.078	0.34	0.18	B	S
8	River Satluj U/S Buddha Nallah	1690	10/7/19	SW 812	ZO Lab Ldh	7.42	8.0	<1	295	1100	490	0.021	0.25	0.22	C	S
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	10/7/19	SW 814	ZO Lab Ldh	7.24	5.1	9.0	590	140000	70000	0.080	0.45	0.31	D	U
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	12/7/19	SW 827	ZO Lab Ldh	7.3	5.6	3.4	382	46000	23000	0.028	0.35	0.42	D	U
11	River Satluj at D/s East Bein	1381	12/7/19	SW 830	ZO Lab Jal.	7.7	4.8	3.6	501	22000	9400	0.075	0.31	0.38	D	U
12	River Satluj at Harike	1022	Sample not collected													
13	Harike Lake D/S from canal	1382	3/7/19	SW 494	ZO Lab Jal.	7.9	7.4	1.0	243	1100	490	0.032	0.33	0.52	C	S
14	D/S Harike lake	1297	3/7/19	SW 495	ZO Lab Jal.	8.0	7.9	1.0	233	1700	790	0.045	0.33	0.57	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	12/07/19	SW 832	ZO Lab Ldh	7.64	8.0	<1	217	940	230	BDL	0.41	0.30	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	12/07/19	SW 837	ZO Lab Ldh	7.60	7.7	<1	235	1100	310	BDL	0.33	0.33	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 as P mg/l	F mg/l	Na mg/l	K mg/l
1	River Satluj at U/S Nangal	1017	4/7/9	SW 792	ZO Lab Ldh	<5	6.2	6	126	118	14	10	82	20	7.8	72	BDL	BDL	0.9	1.0	0.1	0.16	6.1	2.1
2	River Satluj at D/S NFL	1380	4/7/9	SW 793	ZO Lab Ldh	<5	8.0	8	132	125	16	12	90	21.6	8.7	78	BDL	BDL	1.0	1.2	0.1	0.18	6.8	1.8
3	River Sutej at 100m D/s PACL Nangal	2915	4/7/9	SW 794	ZO Lab Ldh	<5	8.8	9	138	133	16	13	94	22.4	9.2	80	BDL	BDL	1.0	1.2	0.2	0.19	6.6	2.0
4	River Satluj atD/s Nangal	1018	4/7/9	SW 795	ZO Lab Ldh	<5	11.2	10	141	136	18	14	102	24	10.2	88	BDL	BDL	1.1	1.4	0.2	0.17	6.7	2.1
5	River Satluj at Kiratpur Sahib	1814	9/7/19	SW 799	ZO Lab Ldh	<5	15.2	14	155	143	20	14	104	24.8	10.2	104	BDL	BDL	1.1	1.2	0.2	0.35	8.9	4.8
6	Ropar Head-Works	1019	9/7/19	SW 802	ZO Lab Ldh	<5	17.2	16	165	154	20	14	114	27.2	11.1	112	BDL	1.2	1.1	2.2	0.3	0.32	6.1	5.2
7	River Satluj D/S of Rishab-Paper Mills	1293	9/7/19	SW 803	ZO Lab Ldh	<5	17.8	18	170	168	20	15	116	28	11.1	114	BDL	1.2	1.1	2.4	0.3	0.35	8.4	2.9
8	River Satluj U/S Buddha Nallah	1690	10/7/19	SW 812	ZO Lab Ldh	7	20	19	178	164	22	16	132	32.8	12.2	120	BDL	1.4	1.2	2.8	0.4	0.21	6.6	4.0
9	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	10/7/19	SW 814	ZO Lab Ldh	44	48	36	352	316	70	34	184	44	17.9	170	BDL	8	1.8	16	1.4	0.21	14.1	5.8
10	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	12/7/19	SW 827	ZO Lab Ldh	22	30	27	228	214	30	22	162	40	14.9	134	BDL	2.8	1.3	5.0	0.4	0.22	10.3	5.1
11	River Satluj at D/s East Bein	1381	12/7/19	SW 830	ZO Lab Ldh	24	28.2	24	302	294	32	18	198	48	18.9	204	BDL	2.5	2.0	4.2	0.5	0.19	10.0	4.2
12	River Satluj at Harike	1022	Sample not collected																					
13	Harike Lake D/S from canal	1382	3/7/19	SW 494	ZO Lab Jal.	12	43	24	153	118	10	12	101	29	7	113	BDL	0.7	0.9	1.1	0.11	0.14	7.6	2.7
14	D/S Harike lake	1297	3/7/19	SW 495	ZO Lab Jal.	14	38	26	161	130	12	14	125	33	10	120	BDL	0.9	0.8	1.3	0.11	0.12	8.5	2.9
15	U/S Hussainiwala H/W Ferozepur	1691	12/07/19	SW 832	ZO Lab Ldh	<5	18.2	14	133	122	10	8	104	25.6	9.7	88	BDL	BDL	1.0	2.0	0.2	0.19	9.7	4.9
16	D/S Hussainiwala H/W Ferozepur	1692	12/07/19	SW 837	ZO Lab Ldh	5.6	20.4	18	145	134	14	10	112	26.4	11.2	94	BDL	BDL	1.1	2.4	0.2	0.20	8.0	2.3

Note. 1. BDL means Below Method Detection Limit
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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	5/7/19	SW 501	ZO Lab Jal.	7.5	7.8	<1	215	79	33	BDL	0.39	0.34	B	S
18	River Beas at U/S Pathankot	1694	5/7/19	SW 503	ZO Lab Jal.	7.9	7.7	<1	238	110	79	BDL	0.37	0.75	B	S
19	River Beas at D/S Pathankot	1695	5/7/19	SW 504	ZO Lab Jal.	7.8	7.3	1.1	244	630	460	0.018	0.34	0.78	C	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	5/7/19	SW 502	ZO Lab Jal.	8.0	7.6	<1	248	84	46	BDL	0.44	0.84	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	10/7/19	SW 522	ZO Lab Jal.	7.9	8.0	1.1	252	490	230	0.032	0.16	0.84	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	10/7/19	SW 526	ZO Lab Jal.	7.8	8.2	<1	270	170	110	0.018	0.29	0.69	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	3/7/19	SW 490	ZO Lab Jal.	7.9	7.9	<1	263	170	110	0.023	0.36	0.64	B	S
24	River Beas at U/s Goindwal	1696	3/7/19	SW 491	ZO Lab Jal.	8.0	8.2	<1	220	220	110	0.025	0.27	0.49	B	S
25	River Beas at D/s Goindwal	1012	3/7/19	SW 492	ZO Lab Jal.	7.8	8.1	<1	242	220	110	0.018	0.27	0.54	B	S
26	Beas at Harike	1697	3/7/19	SW 493	ZO Lab Jal.	7.9	7.9	<1	258	280	140	0.022	0.34	0.60	B	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	SO4 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	PO4a s P mg/l	F mg/ l	Na mg/ l	K mg/ l
17	River Beas at Talwara H/W	1693	5/7/19	SW 501	ZO Lab Jal.	10	14	10	146	120	14	8	115	31	9	104	BDL	BDL	BDL	BDL	0.07	BDL	9.7	2.4
18	River Beas at U/S Pathankot	1694	5/7/19	SW 503	ZO Lab Jal.	9	16	12	153	122	16	12	130	27	14	110	BDL	BDL	0.3	BDL	0.07	0.12	9.6	2.4
19	River Beas at D/S Pathankot	1695	5/7/19	SW 504	ZO Lab Jal.	12	18	14	167	138	18	10	126	36	9	125	BDL	0.5	0.7	1.0	0.08	0.14	8.9	2.6
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	5/7/19	SW 502	ZO Lab Jal.	9	12	10	158	127	18	12	135	33	9	108	BDL	BDL	BDL	BDL	0.08	0.10	11	2.8
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	10/7/19	SW 522	ZO Lab Jal.	12	56	38	161	114	14	10	110	28	9	141	BDL	0.7	0.4	1.2	0.06	0.14	3.9	3.4
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	10/7/19	SW 526	ZO Lab Jal.	10	48	26	171	128	12	10	108	33	6	156	BDL	0.5	0.6	0.9	0.07	0.13	6.8	2.7
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	3/7/19	SW 490	ZO Lab Jal.	10	14	12	175	136	14	12	102	30	6	145	BDL	0.5	0.7	0.7	0.06	0.15	8.3	2.5
24	River Beas at U/s Goindwal	1696	3/7/19	SW 491	ZO Lab Jal.	10	12	10	153	113	12	10	102	30	7	135	BDL	0.5	0.4	1.0	0.08	0.12	6.3	2.3
25	River Beas at D/s Goindwal	1012	3/7/19	SW 492	ZO Lab Jal.	11	18	14	157	132	12	10	101	29	7	140	BDL	0.5	0.4	1.0	0.07	0.11	6.2	2.3
26	Beas at Harike	1697	3/7/19	SW 493	ZO Lab Jal.	10	39	26	169	126	12	14	100	29	7	137	BDL	0.6	0.6	1.1	0.09	0.12	7.9	2.6

Note. 1. BDL means Below Method Detection Limit
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Analysis results of Surface water monitoring under NWMP for the month of July, 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	5/7/19	SW 500	ZO Lab Jal.	8.1	8.4	<1	141	63	33	BDL	BDL	0.40	B	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	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
27	Ravi at U/s of Madhopur H/W	1097	5/7/19	SW 500	ZO Lab Jal.	BDL	2	BDL	104	88	12	10	117	31	10	59	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.8

Analysis results of Surface water monitoring under NWMP for the month of July, 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 DBDU	Water Quality Index
1	Ghaggar at Mubarikpur Rest House	1023	4/7/19	SW 501	H/o Lab Patiala	7.7	4.9	8	540	24000	3300	0.30	1.38	0.31	D	U
2	Ghaggar at Bhankarpur	1295	4/7/19	SW 502	H/o Lab Patiala	7.7	3.2	29	836	35000	4900	0.37	1.14	0.21	E	U
3	Ghaggar at Chattbir	1698	4/7/19	SW 503	H/o Lab Patiala	7.4	2.1	22	950	28000	4300	0.13	1.36	0.26	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	4/7/19	SW 504	H/o Lab Patiala	7.5	3.4	10	895	21000	3100	0.16	1.78	0.18	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	4/7/19	SW 505	H/o Lab Patiala	7.6	2.8	18	1012	24000	3400	0.30	1.89	0.20	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	Ghaggar at U/s Dhakanshu Nallah was found dry at the time of sample collection													
7	Ghaggar at D/s Dhakanshu Nallah	1700	Ghaggar at D/s Dhakanshu Nallah was found dry at the time of sample collection													
8	Ghaggar at Rattanheri	1473	9/7/19	SW 523	H/o Lab Patiala	7.5	2.0	42	1452	35000	7000	0.25	3.86	0.39	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	9/7/19	SW 524	H/o Lab Patiala	8.1	1.9	38	1250	43000	6300	0.64	3.66	0.21	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	9/7/19	SW 525	H/o Lab Patiala	8.0	1.7	44	1455	46000	9200	0.52	3.36	0.30	E	U
11	Ghaggar at Khanauri	1024	9/7/19	SW 528	H/o Lab Patiala	7.9	3.6	10	540	21000	2700	0.36	1.16	0.29	E	U
12	Ghaggar at Moonak	1703	9/7/19	SW 529	H/o Lab Patiala	8.0	3.2	18	830	28000	3800	0.49	1.62	0.41	E	U
13	Ghaggar at U/s Sardulgarh	1705	17/7/19	SW 601	H/o Lab Patiala	7.4	4.4	10	415	17000	2200	0.17	0.92	0.28	D	U
14	Ghaggar at D/s Sardulgarh	1704	17/7/19	SW 602	H/o Lab Patiala	7.5	4.2	13	518	24000	3400	0.24	1.03	0.35	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	4/7/19	SW 501	H/o Lab Patiala	36	281	429	324	275	32	12	145	43	9	214	BDL	9.9	1.98	13.9	0.19	0.29	38	10
2	Ghaggar at Bhankarpur	1295	4/7/19	SW 502	H/o Lab Patiala	137	620	704	502	427	80	14	270	75	20	325	BDL	12.3	0.99	17.2	2.15	0.32	43	22
3	Ghaggar at Chattbir	1698	4/7/19	SW 503	H/o Lab Patiala	111	125	348	570	485	85	15	278	80	19	310	BDL	8.4	0.89	11.8	0.79	0.30	52	34
4	Ghaggar at U/s Jharmal Nadi	1702	4/7/19	SW 504	H/o Lab Patiala	51	30	142	537	456	81	19	228	70	13	277	BDL	7.9	0.81	11.06	3.19	0.21	62	28
5	Ghaggar at D/s Jharmal Nadi	1701	4/7/19	SW 505	H/o Lab Patiala	90	40	184	607	516	110	21	275	82	17	328	BDL	11.8	1.32	16.5	5.39	0.63	72	38
6	Ghaggar at U/s Dhakanshu Nallah	1699	Ghaggar at U/s Dhakanshu Nallah was found dry at the time of sample collection																					
7	Ghaggar at D/s Dhakanshu Nallah	1700	Ghaggar at D/s Dhakanshu Nallah was found dry at the time of sample collection																					
8	Ghaggar at Rattanheri	1473	9/7/19	SW 523	H/o Lab Patiala	200	220	478	871	740	157	38	381	108	27	435	BDL	12.6	0.78	17.6	7.09	0.59	173	52
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	9/7/19	SW 524	H/o Lab Patiala	182	60	172	750	638	114	31	277	78	20	387	BDL	9.9	1.02	13.2	1.64	0.36	140	48
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	9/7/19	SW 525	H/o Lab Patiala	208	70	194	873	742	162	41	420	115	32	438	BDL	10.3	1.30	14.4	5.10	0.43	158	60
11	Ghaggar at Khanauri	1024	9/7/19	SW 528	H/o Lab Patiala	52	40	102	324	275	37	17	136	41	8	248	BDL	8.10	0.85	11.3	1.30	0.28	31	14
12	Ghaggar at Moonak	1703	9/7/19	SW 529	H/o Lab Patiala	88	85	152	498	423	48	25	211	58	16	315	BDL	9.7	0.94	13.6	2.78	0.33	54	19
13	Ghaggar at U/s Sardulgarh	1705	17/7/19	SW 601	H/o Lab Patiala	52	120	168	249	212	29	9	99	28	7	195	BDL	11.3	0.75	15.8	3.60	0.24	21	10
14	Ghaggar at D/s Sardulgarh	1704	17/7/19	SW 602	H/o Lab Patiala	66	190	210	311	264	34	12	132	31	13	256	BDL	12.2	0.99	17.1	3.96	0.27	27	13

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1	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	12/7/19	SW 564	H.O. Lab Patiala	7.0	BDL	137	5048	4,30,000	3,50,000	BDL	7.40	0.39	295	E	U
2	Tallewal Drain along with Lohgarh –Jalwana Link road near Shri Krishna rice mill Punjab	2909	12/7/19	SW 565	H.O. Lab Patiala	7.3	BDL	23	810	28000	8400	0.18	1.30	0.30	142	E	U
3	Point Source B/N	2914	10.07.19	SW 813	Z.O. Lab, Ludhiana	7.0	BDL	172	1702	2800000	1100000	BDL	2.66	0.64	-	E	U
4	Kali Bein into Beas	2913	9/7/19	SW 519	Z.O. Lab Jalandhar	7.7	7.1	3.6	405	2800	1400	0.036	0.80	0.40	-	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	17/7/19	SW 532	Z.O. Lab Jalandhar	7.3	BDL	166	1547	220000	140000	0.026	3.60	#	-	E	U
7	Hundiara drain before entering Pakistan	2907	17/7/19	SW 533	Z.O. Lab Jalandhar	7.5	BDL	78	776	110000	70000	0.24	1.79	#	-	E	U
8	Pathlawar Drain	2911	Sample was not collected														
9	Ranjit Sagar Reservoir	2912	5/7/19	SW 499	Z.O. Lab Jalandhar	7.9	8.1	<1	171	70	33	BDL	0.05	0.98	-	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	4/7/19	SW 510	H.O. Lab Patiala	7.4	BDL	20	1082	32000	6800	0.12	2.43	0.24	-	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	9/7/19	SW 526	H.O. Lab Patiala	7.6	BDL	17	672	21000	3200	0.24	2.39	0.34	-	E	U
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	4/7/19	SW 508	H.O. Lab Patiala	7.4	BDL	60	970	2,80,000	1,10,000	0.30	1.75	0.28	-	E	U
13	Confluence point of Sarsa Nadi with river Satluj	4161	09.07.19	SW 801	ZO Lab Ldh	7.9	7.7	1.4	317	430	110	0.063	0.24	0.24	-	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 July, 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.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	12/7/19	SW 564	H.O. Lab Patiala	570	190	298	3028	2574	943	151	813	228	59	1315	BDL	5.9	1.5	8.3	4.65	0.47	485	121
2	Tallewal Drain along with Lohgarh –Jalwana Link road near Shri Krishna rice mill Punjab	2909	12/7/19	SW 565	H.O. Lab Patiala	114	80	214	486	413	42	23	206	51	19	286	BDL	17.7	1.2	24.8	6.27	0.51	43	57
3	Point Source B/N	2914	10/7/19	SW 813	Z.O. Lab, Ludhiana	632	162	242	1011	914	160	80	352	82.4	35.5	514	BDL	20	5.0	32	3.4	0.46	114.9	20.7
4	Kali Bein into Beas	2913	9/7/19	SW 519	Z.O. Lab Jalandhar	26	26	14	284	230	22	18	233	39	33	184	BDL	1.2	1.1	1.9	0.15	0.18	28	3.2
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	17/7/19	SW 532	Z.O. Lab Jalandhar	390	280	196	1050	890	180	142	370	115	20	484	BDL	26	3.2	42	2.3	0.40	159	26
7	Hundiara drain before entering Pakistan	2907	17/7/19	SW 533	Z.O. Lab Jalandhar	196	150	82	510	440	65	80	193	49	17	255	BDL	12	2.1	22	2.1	0.22	57	18
8	Pathlawa Drain	2911	Sample was not collected																					
9	Ranjit Sagar Reservoir	2912	5/7/19	SW 499	Z.O. Lab Jalandhar	BDL	2	BDL	118	98	8	6	124	36	9	73	BDL	BDL	BDL	BDL	BDL	BDL	1.4	2.1
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	4/7/19	SW 510	H.O. Lab Patiala	102	230	110	649	552	80	16	243	74	14	398	BDL	8.3	0.60	11.6	7.50	0.65	87	31
11	Sagar Para Drain at village sagra dist.Patiala	4158	9/7/19	SW 526	H.O. Lab Patiala	258	100	178	403	343	71	13	153	43	11	234	BDL	9.7	0.4	13.6	3.04	0.78	68	13
12	Confluence point of sukhana Choe with River Ghaggar,vill.Mubarkpur	4162	4/7/19	SW 508	H.O. Lab Patiala	80	105	140	582	495	61	17	377	93	35	352	BDL	20.1	1.4	28.1	4.33	0.33	78	31
13	Confluence point of Sarsa Nadi with river Satluj	4161	9/7/19	SW 801	ZO Lab Ldh	6.4	18.4	15	192	180	32	20	132	31.2	13.1	124	BDL	1.4	1.2	2.4	0.5	0.34	6.4	2.5

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