

### Analysis results of Surface water monitoring under NWMP for the month of June, 2021

#### River Sutlej

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 River Sutlej at U/S Nangal	1017	7.6.2021	SW 2055	ZO Lab Ldh	7.6	8.2	BDL	266	140	68	BDL	0.16	BDL	B	S
2	River River Sutlej at D/S NFL	1380	7.6.2021	SW 2056	ZO Lab Ldh	7.7	9.5	BDL	275	170	45	BDL	0.16	BDL	B	S
3	River Sutlej at 100m D/s PACL Nangal	2915	7.6.2021	SW 2057	ZO Lab Ldh	7.7	9.6	BDL	273	200	45	BDL	0.17	BDL	B	S
4	River River Sutlej at D/s Nangal	1018	7.6.2021	SW 2058	ZO Lab Ldh	7.7	8.8	BDL	272	200	93	BDL	0.16	BDL	B	S
5	River River Sutlej at Kiratpur Sahib	1814	7.6.2021	SW 2060	ZO Lab Ldh	7.7	8.4	BDL	264	380	170	BDL	0.15	0.14	B	S
6	Ropar Head-Works	1019	7.6.2021	SW 2063	ZO Lab Ldh	7.5	8.3	BDL	278	700	260	BDL	0.21	0.10	C	S
7	River River Sutlej D/S of Rishab- Paper Mills	1293	7.6.2021	SW 2064	ZO Lab Ldh	7.4	8.0	BDL	275	790	330	BDL	0.19	0.30	C	S
8	River River Sutlej U/S Buddha Nallah	1690	7.6.2021	SW 2071	ZO Lab Ldh	7.3	5.7	BDL	296	1700	780	0.008	0.35	0.42	C	S
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	7.6.2021	SW 2073	ZO Lab Ldh	7.0	1.0	7.5	482	13,00,000	7,80,000	BDL	1.01	0.37	E	U
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	7.6.2021	SW 2075	ZO Lab Ldh	7.5	3.5	3.2	339	4,60,000	1,70,000	0.044	0.51	0.28	E	U
11	River River Sutlej at D/s East Bein	1381	7.6.2021	SW 2076	ZO Lab Jal.	7.3	3.1	3.4	451	5,40,000	1,40,000	0.025	0.94	0.35	E	U
12	River Sutlej at Harike	1022	7.6.2021	SW 2077	ZO Lab Ldh	7.9	6.5	2.0	282	4000	1700	0.081	0.39	0.30	C	S
13	Harike Lake D/S from canal	1382	7.6.2021	SW 233	ZO Lab, Jal	7.6	7.2	1.2	260	1700	790	0.050	0.55	0.16	C	S
14	D/S Harike lake	1297	7.6.2021	SW 234	ZO Lab, Jal	7.6	7.4	1.3	252	1400	630	0.030	0.52	0.23	C	S
15	U/S Hussainiwala H/W Ferozepur	1691	7.6.2021	SW 2081	ZO Lab Ldh	7.0	6.9	1.2	227	1100	330	BDL	0.43	0.19	C	S
16	D/S Hussainiwala H/W Ferozepur	1692	7.6.2021	SW 2082	ZO Lab Ldh	7.1	7.0	1.2	231	1400	390	BDL	0.44	0.17	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 Sutlej

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	River River Sutlej at U/S Nangal	1017	7.6.2021	SW 2055	ZO Lab Ldh	BDL	BDL	BDL	148	127	12	7	126	33.6	10.2	78	BDL	BDL	1.4	BDL	BDL	0.17	4.1	3.0
2	River River Sutlej at D/S NFL	1380	7.6.2021	SW 2056	ZO Lab Ldh	BDL	BDL	BDL	141	121	10	8	122	32	10.2	78	BDL	BDL	1.3	BDL	BDL	0.21	4.0	2.4
3	River Sutej at 100m D/s PACL Nangal	2915	7.6.2021	SW 2057	ZO Lab Ldh	BDL	BDL	BDL	143	122	9	7	124	32.8	10.2	86	BDL	BDL	1.3	BDL	BDL	0.22	4.3	2.0
4	River River Sutlej atD/s Nangal	1018	7.6.2021	SW 2058	ZO Lab Ldh	BDL	2	BDL	142	127	8	6	132	35.2	10.7	77	BDL	BDL	1.4	BDL	BDL	0.23	4.3	2.3
5	River River Sutlej at Kiratpur Sahib	1814	7.6.2021	SW 2060	ZO Lab Ldh	BDL	2	BDL	149	127	10	8	122	31.2	10.7	87	BDL	BDL	1.5	BDL	BDL	0.22	3.9	1.7
6	Ropar Head-Works	1019	7.6.2021	SW 2063	ZO Lab Ldh	BDL	5	BDL	137	113	9	8	116	30.4	9.7	79	BDL	BDL	1.5	BDL	BDL	0.25	5.3	2.0
7	River River Sutlej D/S of Rishab-Paper Mills	1293	7.6.2021	SW 2064	ZO Lab Ldh	BDL	7	BDL	145	120	8	8	124	32	10.7	86	BDL	BDL	1.7	BDL	BDL	0.26	4.8	1.8
8	River River Sutlej U/S Buddha Nallah	1690	7.6.2021	SW 2071	ZO Lab Ldh	BDL	62	52	162	127	11	8	124	33.6	9.7	87	BDL	0.8	2.0	1.6	0.35	0.32	8.9	2.6
9	River River Sutlej at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	7.6.2021	SW 2073	ZO Lab Ldh	32	112	174	293	221	51	34	146	38.4	12.2	122	BDL	3.2	2.4	4.8	1.0	0.32	28	10.9
10	River River Sutlej at Boat Bridge, Dharamkot Nakodar Road	1021	7.6.2021	SW 2075	ZO Lab Ldh	18	92	124	206	164	24	18	138	36.8	11.2	109	BDL	2.2	2.1	2.7	0.5	0.29	13.9	3.4
11	River River Sutlej at D/s East Bein	1381	7.6.2021	SW 2076	ZO Lab Ldh	20	110	130	266	206	36	24	146	37.6	12.6	137	BDL	2.5	2.0	3.1	0.6	0.27	26	5.9
12	River River Sutlej at Harike	1022	7.6.2021	SW 2077	ZO Lab Ldh	12	82	86	181	143	25	16	134	36	10.7	102	BDL	1.8	1.9	2.3	0.3	0.25	10.3	2.9
13	Harike Lake D/S from canal	1382	7.6.2021	SW 233	ZO Lab, Jal	14	8	BDL	160	122	22	12	106	30	7	104	BDL	2.0	3.1	5.3	0.13	0.17	13	3.7
14	D/S Harike lake	1297	7.6.2021	SW 234	ZO Lab, Jal	16	13	BDL	166	128	20	14	102	27	8	109	BDL	1.2	1.7	2.0	0.15	0.20	12	3.5
15	U/S Hussainiwala H/W Ferozepur	1691	7.6.2021	SW 2081	ZO Lab Ldh	6	38	42	156	133	20	14	126	30.4	12.2	87	BDL	1.0	1.8	1.3	0.23	0.22	11.2	2.6
16	D/S Hussainiwala H/W Ferozepur	1692	7.6.2021	SW 2082	ZO Lab Ldh	7	40	43	159	136	19	14	124	30.4	11.7	89	BDL	1.0	1.9	1.4	0.24	0.21	11.3	2.5

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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 $\mu$ 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
17	River Beas at Talwara H/W	1693	7.6.2021	214	ZO Lab, Jal	8.1	7.6	1.1	230	140	40	0.059	0.55	BDL	B	S
18	River Beas at U/S Pathankot	1694	7.6.2021	216	ZO Lab, Jal	7.8	7.2	1.3	273	260	61	0.025	0.53	0.19	B	S
19	River Beas at D/S Pathankot	1695	7.6.2021	217	ZO Lab, Jal	7.5	6.9	1.2	256	430	91	0.010	0.52	0.22	B	S
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.6.2021	215	ZO Lab, Jal	7.7	7.5	1.4	284	210	78	0.024	0.52	0.11	B	S
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	11.6.2021	216	ZO Lab, Jal	7.5	7.8	1.2	260	410	93	0.014	0.21	0.36	B	S
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	11.6.2021	217	ZO Lab, Jal	7.6	7.1	1.0	248	460	110	0.023	0.28	0.10	B	S
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	17.6.2021	222	ZO Lab, Jal	7.9	7.8	1.2	254	490	110	0.036	0.43	0.16	B	S
24	River Beas at U/s Goindwal	1696	17.6.2021	223	ZO Lab, Jal	7.7	8.0	1.0	228	400	78	0.018	0.41	0.12	B	S
25	River Beas at D/s Goindwal	1012	17.6.2021	229	ZO Lab, Jal	7.9	7.8	1.1	218	430	130	0.032	0.46	0.33	B	S
26	Beas at Harike	1697	17.6.2021	230	ZO Lab, Jal	7.7	7.9	1.1	234	490	140	0.027	0.41	0.14	B	S

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17	River Beas at Talwara H/W	1693	7.6.2021	214	ZO Lab, Jal	13	2	BDL	138	104	16	12	106	30	7	84	BDL	0.9	1.0	BDL	0.06	0.13	13	3.1
18	River Beas at U/S Pathankot	1694	7.6.2021	216	ZO Lab, Jal	17	14	10	168	125	18	16	116	29	10	98	BDL	0.7	1.3	1.6	0.09	0.17	13	3.5
19	River Beas at D/S Pathankot	1695	7.6.2021	217	ZO Lab, Jal	15	18	12	152	118	16	13	118	28	12	94	BDL	0.5	0.9	BDL	0.07	0.15	13	3.5
20	River Beas at Mirthal Bridge Gurdaspur (Pb.)	1010	7.6.2021	215	ZO Lab, Jal	17	15	10	176	135	20	18	117	31	10	100	BDL	0.8	1.1	1.7	0.08	0.17	13	3.9
21	River Beas 1 Km D/S effluent discharge point at Mukerian	1294	11.6.2021	216	ZO Lab, Jal	16	10	BDL	163	136	17	14	121	30	11	104	BDL	0.7	1.3	1.7	0.09	0.16	5.4	2.9
22	River Beas at Bridge, village Bheate Patan Tehsil Batala Distt. Gurdaspur	4164	11.6.2021	217	ZO Lab, Jal	14	24	14	151	130	13	12	123	31	11	106	BDL	0.9	1.9	2.1	0.07	0.19	7.1	3.7
23	River Beas at G.T. Road, under Bridge Near Kapurthalla (Pb)	1011	17.6.2021	222	ZO Lab, Jal	16	11	BDL	160	122	15	12	120	29	12	109	BDL	0.8	1.1	1.6	0.08	0.18	11	3.0
24	River Beas at U/s Goindwal	1696	17.6.2021	223	ZO Lab, Jal	12	9	BDL	139	119	12	10	109	28	10	102	BDL	0.6	0.9	BDL	0.06	0.15	10	2.9
25	River Beas at D/s Goindwal	1012	17.6.2021	229	ZO Lab, Jal	14	9	BDL	143	115	12	11	112	29	9	104	BDL	0.7	1.1	BDL	0.07	0.15	11	3.0
26	Beas at Harike	1697	17.6.2021	230	ZO Lab, Jal	14	17	11	150	122	14	11	110	28	10	100	BDL	0.9	1.1	BDL	0.08	0.13	10	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 June, 2021

#### 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	7.6.2021	213	ZO Lab, Jal	7.8	8.2	1.0	179	120	20	0.025	0.02	BDL	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 <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	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
27	Ravi at U/s of Madhopur H/W	1097	7.6.2021	213	ZO Lab, Jal	10	3	BDL	112	78	12	10	100	28	7	80	BDL	0.7	0.8	BDL	BDL	BDL	BDL	1.9

### Analysis results of Surface water monitoring under NWMP for the month of June, 2021

#### 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	8.6.2021	4240	H/o Lab Patiala	7.8	4.2	17	615	22000	2700	0.29	1.94	0.49	D	U
2	Ghaggar at Bhankarpur	1295	8.6.2021	4241	H/o Lab Patiala	7.6	2.1	35	932	28000	6300	0.36	2.55	0.72	E	U
3	Ghaggar at Chattbir	1698	8.6.2021	4242	H/o Lab Patiala	7.5	2.0	37	965	28000	4900	0.27	2.66	0.69	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	8.6.2021	4243	H/o Lab Patiala	7.7	2.6	27	802	28000	4000	0.28	2.17	0.61	E	U
5	Ghaggar at D/s Jharmal Nadi	1701	8.6.2021	4244	H/o Lab Patiala	7.7	2.3	33	914	35000	4600	0.36	2.18	0.71	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	8.6.2021	4246	H/o Lab Patiala	7.8	3.1	21	792	28000	3900	0.39	2.16	0.65	E	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	8.6.2021	4247	H/o Lab Patiala	7.7	3.0	26	910	35000	6300	0.35	2.15	0.74	E	U
8	Ghaggar at Rattanheri	1473	11.6.2021	4256	H/o Lab Patiala	7.5	2.1	24	953	28000	4000	0.26	2.25	0.82	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11.6.2021	4257	H/o Lab Patiala	7.8	2.2	24	924	28000	3800	0.45	2.17	0.79	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11.6.2021	4258	H/o Lab Patiala	7.7	2.0	26	1012	35000	4700	0.37	2.28	0.84	E	U
11	Ghaggar at Khanauri	1024	11.6.2021	4261	H/o Lab Patiala	7.8	2.3	21	867	28000	4000	0.43	2.34	0.78	E	U
12	Ghaggar at Moonak	1703	11.6.2021	4263	H/o Lab Patiala	7.7	2.1	24	968	28000	4600	0.40	2.41	0.80	E	U
13	Ghaggar at U/s Sardulgarh	1705	22.6.2021	4424	H/o Lab Patiala	7.7	6.3	9	527	17000	2100	0.25	1.31	0.38	D	U
14	Ghaggar at D/s Sardulgarh	1704	22.6.2021	4425	H/o Lab Patiala	7.8	5.8	13	624	22000	2700	0.32	1.47	0.46	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	8.6.2021	4240	H/o Lab Patiala	84	410	441	399	340	49	27	188	44	19	229	BDL	8.4	1.1	11.8	1.1	1.2	61	29
2	Ghaggar at Bhankarpur	1295	8.6.2021	4241	H/o Lab Patiala	178	390	312	610	519	81	43	354	77	39	276	BDL	14.2	1.4	19.9	3.2	1.6	110	59
3	Ghaggar at Chattbir	1698	8.6.2021	4242	H/o Lab Patiala	183	300	272	629	535	85	45	397	81	35	284	BDL	13.4	1.4	18.8	3.3	1.4	114	62
4	Ghaggar at U/s Jharmal Nadi	1702	8.6.2021	4243	H/o Lab Patiala	142	330	287	522	446	78	33	306	71	31	247	BDL	9.2	1.1	12.9	2.4	1.2	87	40
5	Ghaggar at D/s Jharmal Nadi	1701	8.6.2021	4244	H/o Lab Patiala	174	400	414	595	508	83	46	374	82	41	259	BDL	12.1	1.3	16.9	3.2	1.3	97	56
6	Ghaggar at U/s Dhakanshu Nallah	1699	8.6.2021	4246	H/o Lab Patiala	114	100	138	516	441	61	38	299	62	35	254	BDL	11.1	1.2	15.5	2.1	1.3	86	47
7	Ghaggar at D/s Dhakanshu Nallah	1700	8.6.2021	4247	H/o Lab Patiala	132	140	187	592	505	85	47	363	76	42	267	BDL	11.7	1.4	16.4	2.5	1.2	94	53
8	Ghaggar at Rattanheri	1473	11.6.2021	4256	H/o Lab Patiala	125	45	69	620	529	84	45	398	82	47	272	BDL	13.1	2.1	18.3	3.2	1.5	103	61
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	11.6.2021	4257	H/o Lab Patiala	121	40	66	604	514	82	47	377	80	43	267	BDL	12.8	2.0	17.9	3.2	1.4	97	57
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	11.6.2021	4258	H/o Lab Patiala	131	50	73	657	562	90	52	424	87	50	282	BDL	12.2	2.3	17.1	3.4	1.6	108	64
11	Ghaggar at Khanauri	1024	11.6.2021	4261	H/o Lab Patiala	112	50	70	567	483	74	42	333	69	39	259	BDL	12.4	1.7	17.4	3.0	1.4	98	52
12	Ghaggar at Moonak	1703	11.6.2021	4263	H/o Lab Patiala	119	55	76	629	536	81	48	387	79	46	275	BDL	13.2	1.8	18.5	3.2	1.5	109	65
13	Ghaggar at U/s Sardulgarh	1705	22.6.2021	4424	H/o Lab Patiala	49	30	41	343	292	37	28	176	34	22	214	BDL	8.2	1.9	11.5	1.6	1.1	40	20
14	Ghaggar at D/s Sardulgarh	1704	22.6.2021	4425	H/o Lab Patiala	63	40	48	405	345	45	30	227	48	26	229	BDL	9.0	1.9	12.6	1.8	1.2	51	29

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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	18.6.2021	4328	H.O. Lab Patiala	7.6	BDL	147	4455	4,30,000	1,10,000	0.19	6.63	1.46	E	U
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	18.6.2021	4329	H.O. Lab Patiala	7.5	BDL	64	1855	1,10,000	22,000	0.36	2.76	0.97	E	U
3	Point Source B/N	2914	11.6.2021	SW2072	Z.O. Lab, Ludhiana	7.1	BDL	115	1280	21,00,000	11,00,000	0.005	2.45	0.67	E	U
4	Kali Bein into Beas	2913	21.6.2021	247	ZO Lab, Jal	7.2	7.1	2.6	326	2100	940	0.018	1.07	0.49	C	S
5	Outfall of Nag Kalan drain into Tung Dhab drain at Majitha road, Amritsar	4163	<b>Sample was not collected</b>													
6	Tungdab drain at fatehgarh churian, Amritsar	2910	17.6.2021	235	ZO Lab, Jal	7.0	BDL	208	2140	940000	330000	0.023	8.0	0.39	E	U
7	Hundiara drain before entering Pakistan	2907	17.6.2021	236	ZO Lab, Jal	7.7	BDL	164	1310	790000	230000	1.050	5.51	0.44	E	U
8	Pathlawa Drain	2911	<b>Sample was not collected</b>													
9	Ranjit Sagar Reservoir	2912	7.6.2021	212	ZO Lab, Jal	7.6	8.1	BDL	166	140	36	0.010	0.06	BDL	B	S
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	8.6.2021	4245	H.O. Lab Patiala	7.8	BDL	31	914	43000	6300	0.22	2.04	1.32	E	U
11	Sagar Para Drain at village sagra dist.Patiala	4158	11.8.2021	4259	H.O. Lab Patiala	7.4	1.3	28	622	70000	7800	0.13	2.14	0.86	E	U
12	Confluence point of sukhana Choe with River Ghaggar, vill. Mubarkpur	4162	8.6.2021	4252	H.O. Lab Patiala	7.6	BDL	58	1138	280000	84000	0.45	2.58	1.34	E	U
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	8.6.2021	SW2062	Z.O. Lab, Ludhiana	7.4	7.8	BDL	310	580	250	BDL	0.42	0.18	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 June, 2021

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	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	Dhanula Drain falling into Lasara drain, Near village, Ghunas Punjab	2906	18.6.2021	4328	H.O. Lab Patiala	662	200	392	2895	2462	681	229	1611	312	202	973	BDL	7.7	4.9	10.8	5.2	3.1	612	191
2	Tallewal Drain along with Lohgarh – Jalwana Link road near Shri Krishna rice mill Punjab	2909	18.6.2021	4329	H.O. Lab Patiala	288	90	213	1208	1029	182	73	918	191	107	347	BDL	18.1	3.4	25.3	4.2	2.0	192	209
3	Point Source B/N	2914	11.6.2021	SW2072	Z.O. Lab, Ludhiana	382	170	324	943	642	214	52	346	91.2	28.7	590	BDL	10.6	4.6	15.8	4.2	0.92	105	22.4
4	Kali Bein into Beas	2913	21.6.2021	247	ZO Lab, Jal	18	4	BDL	210	155	30	18	131	39	8	113	BDL	1.8	2.1	1.9	0.19	0.19	28	13
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	17.6.2021	235	ZO Lab, Jal	480	393	84	1340	924	264	118	355	79	38	612	BDL	46	7.5	63	4.5	0.65	346	36
7	Hundiara drain before entering Pakistan	2907	17.6.2021	236	ZO Lab, Jal	212	210	68	820	600	158	105	226	57	20	408	BDL	35	4.9	46	3.9	0.38	190	33
8	Pathlawa Drain	2911	Sample was not collected																					
9	Ranjit Sagar Reservoir	2912	7.6.2021	212	ZO Lab, Jal	BDL	1	BDL	104	78	12	10	85	25	5	78	BDL	0.4	0.5	BDL	BDL	0.10	1.3	1.8
10	Outlet Of Nadiala Drain into Dhakanshu Nallah, Punjab	2908	8.6.2021	4245	H.O. Lab Patiala	148	50	69	595	507	100	39	411	94	43	235	BDL	6.2	1.1	8.7	2.8	1.2	5	44
11	Sagar Para Drain at village sagra dist.Patiala	4158	11.8.2021	4259	H.O. Lab Patiala	142	50	67	622	529	97	37	397	91	41	379	BDL	8.4	1.1	11.8	2.4	1.1	98	56
12	Confluence point of sukhana Choe with River Ghaggar, vill.Mubarkpur	4162	8.6.2021	4252	H.O. Lab Patiala	278	70	171	741	631	115	48	567	113	69	283	BDL	17.8	2.8	24.9	3.4	2.0	141	44
13	Confluence point of Sarsa Nadi with river River Sutlej	4161	8.6.2021	SW2062	Z.O. Lab, Ludhiana	BDL	9	11	182	153	22	12	154	36.8	15.1	74	BDL	BDL	1.6	BDL	BDL	0.24	11.9	2.9

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