

Quality of Water of Polluted River stretches in Punjab for the month of July, 2021

Satluj : Roop Nagar to Harike Bridge : Priority I

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	Ropar Head-Works	1019	12.07.2021	SW 2118	ZO Lab Ldh	7.6	7.7	BDL	223	790	330	BDL	0.14	0.12	C	S
2	River Satluj D/S of Rishab- Paper Mills	1293	12.07.2021	SW 2119	ZO Lab Ldh	7.5	7.9	BDL	222	840	460	BDL	0.11	0.52	C	S
3	River Satluj U/S Buddha Nallah	1690	14.07.2021	SW 2121	ZO Lab Ldh	7.7	5.8	1.2	266	1100	460	0.021	0.31	0.82	C	S
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	14.07.2021	SW 2123	ZO Lab Ldh	7.1	1.7	14	475	11,00,000	4,90,000	0.002	1.05	0.71	E	U
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2021	SW 2125	ZO Lab Ldh	7.2	2.2	6	395	2,30,000	1,30,000	0.010	0.66	0.49	E	U
6	River Satluj at D/s East Bein	1381	15.07.2021	SW 2126	ZO Lab Ldh	7.4	3.7	7	330	4,60,000	1,10,000	0.017	0.43	0.44	E	U
7	River Satluj at Harike	1022	15.07.2021	SW 2127	ZO Lab Ldh	7.4	5.1	2.2	242	4600	1700	BDL	0.27	0.26	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	NO ₃ -N mg/l	TKN mg/l	PO ₄ as P mg/l	F mg/l	Na mg/l	K mg/l
1	Ropar Head-Works	1019	12.07.2021	SW 2118	ZO Lab Ldh	BDL	60	76	123	112	7	6	96	25.6	7.8	85	BDL	BDL	1.4	BDL	BDL	0.17	3.1	1.5
2	River Satluj D/S of Rishab- Paper Mills	1293	12.07.2021	SW 2119	ZO Lab Ldh	BDL	80	106	121	108	6	5	104	27.2	8.7	74	BDL	BDL	1.5	BDL	BDL	0.19	2.5	1.4
3	River Satluj U/S Buddha Nallah	1690	14.07.2021	SW 2121	ZO Lab Ldh	7	120	146	140	110	11	9	110	26.4	10.7	79	BDL	0.7	2.1	1.7	0.22	0.31	7.4	1.8
4	River Satluj at 100 mts D/s after Budha Nallah confluence, Ludhiana	1020	14.07.2021	SW 2123	ZO Lab Ldh	57	140	182	275	213	45	26	140	35.2	12.6	121	BDL	3.1	2.1	4.5	1.2	0.32	28.7	4.3
5	River Satluj at Boat Bridge, Dharamkot Nakodar Road	1021	15.07.2021	SW 2125	ZO Lab Ldh	26	60	92	232	187	31	21	138	34.4	12.6	103	BDL	1.0	1.8	1.9	0.82	0.28	17.7	3.4
6	River Satluj at D/s East Bein	1381	15.07.2021	SW 2126	ZO Lab Ldh	28	70	104	198	154	18	16	126	33.6	10.2	105	BDL	1.1	2.0	2.4	0.88	0.29	11	2.7
7	River Satluj at Harike	1022	15.07.2021	SW 2127	ZO Lab Ldh	14	110	134	156	129	13	12	108	25.6	10.7	103	BDL	BDL	1.8	BDL	0.36	0.25	6.5	1.9

- 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

Quality of Water of Polluted River stretches in Punjab for the month of July, 2021
Ghaggar: Mubarkpur to Sardulgarh: Priority I

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 us/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	13.07.2021	SW 4802	H/o Lab Patiala	7.7	5.3	8	458	17000	2100	0.28	1.75	0.32	D	U
2	Ghaggar at Bhankarpur	1295	13.07.2021	SW 4802	H/o Lab Patiala	7.5	3.2	14	612	22000	3900	0.30	2.38	0.48	E	U
3	Ghaggar at Chattbir	1698	13.07.2021	SW 4803	H/o Lab Patiala	7.4	3.1	16	640	22000	3400	0.23	2.36	0.51	E	U
4	Ghaggar at U/s Jharmal Nadi	1702	13.07.2021	SW 4804	H/o Lab Patiala	7.9	4.1	13	527	21000	2700	0.35	1.82	0.35	D	U
5	Ghaggar at D/s Jharmal Nadi	1701	13.07.2021	SW 4805	H/o Lab Patiala	7.8	3.8	14	573	24000	4100	0.51	2.27	0.50	E	U
6	Ghaggar at U/s Dhakanshu Nallah	1699	13.07.2021	SW 4807	H/o Lab Patiala	7.4	4.0	12	461	22000	3200	0.21	1.82	0.33	D	U
7	Ghaggar at D/s Dhakanshu Nallah	1700	13.07.2021	SW 4808	H/o Lab Patiala	7.7	3.3	14	564	22000	3900	0.44	1.95	0.49	E	U
8	Ghaggar at Rattanheri	1473	15.07.2021	SW 4820	H/o Lab Patiala	7.4	3.2	12	662	22000	3200	0.23	2.41	0.52	E	U
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	15.07.2021	SW 4821	H/o Lab Patiala	7.5	3.0	12	670	22000	3300	0.30	2.42	0.53	E	U
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	15.07.2021	SW 4822	H/o Lab Patiala	7.7	2.9	15	695	28000	3900	0.39	2.43	0.59	E	U
11	Ghaggar at Khanauri	1024	15.07.2021	SW 4825	H/o Lab Patiala	7.4	2.7	12	549	21000	3300	0.22	2.11	0.54	E	U
12	Ghaggar at Moonak	1703	15.07.2021	SW 4827	H/o Lab Patiala	7.3	2.5	14	598	22000	4000	0.15	2.24	0.64	E	U
13	Ghaggar at U/s Sardulgarh	1705	19.07.2021	SW 4837	H/o Lab Patiala	7.4	6.2	8	441	15000	2000	0.12	1.71	0.27	D	U
14	Ghaggar at D/s Sardulgarh	1704	19.07.2021	SW 4838	H/o Lab Patiala	7.5	5.7	10	471	17000	2600	0.17	1.71	0.35	D	U

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1	Ghaggar at Mubarikpur Rest House	1023	13.07.2021	SW 4802	H/o Lab Patiala	41	490	497	298	254	33	12	115	31	9	202	BDL	9.3	1.0	13	1.0	1	43	17
2	Ghaggar at Bhankarpur	1295	13.07.2021	SW 4802	H/o Lab Patiala	72	425	412	398	39	35	16	178	43	17	224	BDL	14.9	1.2	20.9	2.2	1.4	73	36
3	Ghaggar at Chattbir	1698	13.07.2021	SW 4803	H/o Lab Patiala	79	400	321	417	355	48	17	192	47	18	231	BDL	15.1	1.2	21.1	2.1	1.3	75	38
4	Ghaggar at U/s Jharmal Nadi	1702	13.07.2021	SW 4804	H/o Lab Patiala	64	370	292	341	291	40	11	148	38	13	219	BDL	13.8	1.0	19.3	1.8	1.1	51	23
5	Ghaggar at D/s Jharmal Nadi	1701	13.07.2021	SW 4805	H/o Lab Patiala	71	460	369	374	319	43	12	161	41	14	221	BDL	14.6	1.1	20.4	1.9	1.1	66	31
6	Ghaggar at U/s Dhakanshu Nallah	1699	13.07.2021	SW 4807	H/o Lab Patiala	61	430	354	299	254	38	12	137	35	12	217	BDL	14.1	1.0	19.7	1.7	1.1	49	22
7	Ghaggar at D/s Dhakanshu Nallah	1700	13.07.2021	SW 4808	H/o Lab Patiala	69	410	362	366	312	45	14	161	43	13	223	BDL	14.7	1.1	20.6	1.8	1.2	57	28
8	Ghaggar at Rattanheri	1473	15.07.2021	SW 4820	H/o Lab Patiala	59	280	296	428	364	51	16	194	48	18	235	BDL	15.2	1.3	21.3	2.0	1.3	77	41
9	Ghaggar before mixing with Sagar Para drain (U/s sagar para Drain)	4159	15.07.2021	SW 4821	H/o Lab Patiala	62	290	301	437	372	53	19	197	49	18	238	BDL	15	1.3	21.0	2.1	1.3	78	43
10	Ghaggar after mixing with Sagar Para drain (D/s Sagar Para Drain)	4160	15.07.2021	SW 4822	H/o Lab Patiala	65	270	300	453	386	55	21	210	51	20	243	BDL	13.1	1.3	18.3	2.4	1.3	81	45
11	Ghaggar at Khanauri	1024	15.07.2021	SW 4825	H/o Lab Patiala	60	170	182	357	303	41	12	164	59	6	227	BDL	14.5	1.1	20.3	1.7	1.1	62	29
12	Ghaggar at Moonak	1703	15.07.2021	SW 4827	H/o Lab Patiala	63	195	202	389	331	44	14	179	42	18	232	BDL	15.3	1.2	21.4	1.8	1.2	69	30
13	Ghaggar at U/s Sardulgarh	1705	19.07.2021	SW 4837	H/o Lab Patiala	41	60	87	286	243	34	9	109	27	10	198	BDL	8	1.0	11.2	1.3	1.0	41	15
14	Ghaggar at D/s Sardulgarh	1704	19.07.2021	SW 4838	H/o Lab Patiala	52	75	94	306	261	36	10	120	30	11	207	BDL	8.7	1.0	12.2	1.3	1.1	43	19

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