

Quality of Water of Polluted River stretches in Punjab for the month of August, 2022

Beas (along Mukerian) : Priority IV

| 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 μ 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 | Kali Bein into Beas | 2913 | 23/08/22 | 434 | ZO Lab, Jal | 7.5 | 5.6 | 2.6 | 243 | 2100 | 700 | 0.02 | 0.55 | 0.88 | 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 | Kali Bein into Beas | 2913 | 23/08/22 | 434 | ZO Lab, Jal | 18 | 33 | 43 | 170 | 128 | 16 | 10 | 80 | 20 | 7.3 | 82 | BDL | 1.0 | 1.8 | 1.5 | 0.28 | 0.20 | 11.3 | 4.2 |

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