1. Temperature:

![Temporal distributions of temperature at different sites in the study area (2015)](image)

*Figure 1: Temporal distributions of temperature at sites 1 through 10*
Figure 2: Spatial distributions of temperature at sites 1 through 10
2. pH:

Figure 3: Temporal distributions of pH at sites 1 through 10
Figure 4: Spatial distributions of pH at sites 1 through 10
3. Conductivity:

**Figure 5: Temporal distributions of conductivity at sites 1 through 10**
Figure 6: Spatial distributions of conductivity at sites 1 through 10
4. TDS:

Figure 7: Temporal distributions of TDS at sites 1 through 10
Figure 8: Spatial distributions of TDS at sites 1 through 10
5. Turbidity:

Figure 9: Temporal distributions of turbidity at sites 1 through 10
Figure 10: Spatial distributions of turbidity at sites 1 through 10
6. Total Suspended Solids:

[Graph showing temporal distributions of TSS at each site in the study area (2015)]

Figure 11: Temporal distributions of TSS at sites 1 through 10
Figure 12: Spatial distributions of TSS at sites 1 through 10
7. Dissolved Oxygen:

Temporal distributions of DO at each site in the study area (2015)

Figure 13: Temporal distributions of DO at sites 1 through 10
Figure 14: Spatial distributions of DO at sites 1 through 10
8. Total phosphate:

Figure 15: Temporal distributions of total phosphate at sites 1 through 10
Figure 16: Spatial distributions of total phosphate at sites 1 through 10
9. Nitrate:

**Figure 17**: Temporal distributions of nitrate at sites 1 through 10

Temporal distributions of nitrate at each site in the study area
Figure 18: Spatial distributions of nitrate at sites 1 through 10
10. Chloride:

Figure 19: Temporal distributions of chloride at sites 1 through 10
Figure 20: Spatial distributions of chloride at sites 1 through 10
11. E. coli:

Figure 21: Temporal distributions of E. coli at sites 1 through 10
Figure 22: Spatial distributions of E. coli at sites 1 through 10
Average Temperature Distributions
Bagmati River Watershed, Kathmandu, Nepal

Temperature (°C)
- 24.01 - 24.52
- 24.53 - 25.52
- 25.53 - 26.09
- 26.01 - 26.59
- 26.51 - 27.09
- 27.01 - 27.59

Source: International Research Institute for Climate and Society, Columbia University, USA; Data: NASA Worldview, Earth Observing System Data and Information System (EOSDIS), 2010-2019
Average pH Distributions
Bagmati River Watershed, Kathmandu, Nepal
Average Conductivity Distributions
Bagmati River Watershed, Kathmandu, Nepal

Conductivity (µS/cm)
- 46.88 - 145.94
- 145.95 - 583.65
- 563.66 - 655.83
- 655.84 - 689.35
- 689.36 - 655.76