

FIVE DIFFERENCES BETWEEN MANUAL AND REAL-TIME MONITORING

MANUAL MONITORING

REAL-TIME MONITORING

LABOUR



Labour-intensive, dependent on the duration of monitoring and frequency of sampling

Labour not required for frequent monitoring

WEATHER



Weather-dependent

Weather-independent

DATA TRANSFER



Manual transfer of data, which could result in human error

Electronic transfer of data, less opportunity for human error

REPORTING



Time-lag between data collection and reporting creates a gap in knowledge.

Real-time data collection and reporting. Timely decisions can be made.

COST



Lower upfront cost per sensor. Variable cost per trip, which can be high.

Higher upfront cost per sensor. Fixed cost for continuous monitoring.