StreamWatch Data Questions

# General

* Ranges for flagging each parameter (pH above 14? 10?)

# Gallery

* Ranges for flagging each parameter & blanks

# LaMotte

* What to do with data from “questionable” volunteers? How far back?

# Meter

* If the meter fails testing…
  + What do we do with the data collected before the test?
  + What do we do with the data collected after the test?
  + If it fails but only by a little, does that change how we treat the data?
* If the meter has not been calibrated prior to the last sample date…
  + Should the data be flagged?
  + What if the calibration was done the day before sampling?
  + What if the calibration was done several months before sampling?
* If the volunteer describes an issue with calibration…
* If the volunteer describes departing from our usual protocol?
* If the meter number was not recorded on the data sheet?
* If the meter was not returned for the last round of maintenance/testing?

# Scoring

# Analytics

Potential Data Flags:

**1. Data Quality & Verification Status**

* **Raw** – Unprocessed data, straight from the source.
* **Provisional** – Initial data, subject to change.
* **Unchecked** – No quality control or verification applied.
* **Validated** – Reviewed and checked for accuracy.
* **Approved** – Fully reviewed and accepted for use.
* **Certified** – Officially confirmed as correct and reliable.

**2. Issues & Anomalies**

**2.1 Potential Issues**

* **Suspect** – Data appears questionable but is not confirmed as incorrect.
* **Flagged** – Marked for review due to potential anomalies.
* **Outlier** – Data significantly deviates from expected values.

**2.2 Known Issues**

* **Erroneous** – Confirmed incorrect data.
* **Corrupted** – Data is unreadable or compromised.
* **Incomplete** – Missing values or partial dataset.

**2.3 Resolved Issues**

* **Corrected** – Previously flagged or erroneous data that has been fixed.
* **Interpolated** – Missing or erroneous data filled in using estimates.

**3. Processing & Use**

* **Derived** – Data generated from transformations or calculations.
* **Estimated** – Based on projections, models, or assumptions.
* **Adjusted** – Modified for consistency or comparability.
* **Suppressed** – Hidden or removed due to privacy, security, or policy reasons.

Acceptable Deviation vs Non-Acceptable Deviation