|  |  |
| --- | --- |
|  **Sonde Deployment/Retrieval Field Sheet** | Last Revision 2020 Apr 16 |
|  |  |  |  |  |  |
| **Station name/ID:** |  |  |  |  |  |
| **Deviation from station:** |  |  |  |  |  |
| **Sonde #:** |   | **Model:** |  |   |   |
| **Staff at deployment:** |   |   |   |   |   |
| **Assessment unit:** |   |   |   |   |   |
| **Water Quality Standards segment:** | **20.6.4.** |   | **ALU:** |  |   |
|  |  |  |  |  |  |
| **Location description:** |  |   |   |   |   |
| **Lat/Long:** |   |   |   | **GPS Accuracy: ±** |
| **DO Field Cal:** |   | mm Hg | mg/L |  | oC |
| **Date/time deployed:** |   |   |   |  |  |
| **Sonde file name:** |   |   |   |   |  |
|  |  |  |  |  |  |
|  |   |   |   |   |   |
| **Staff at retrieval:** |   |   |   |   |  |
| **Date/time retrieved:** |   |   |   |   |  |
| **Condition at time of retrieval:** | **□ Submerged □ Buried □ Exposed □ Other (Please explain)** |
|  |  | **Length (ft)** | **Date removed** | **Staff** |
| **Anchor** |  Rebar T-post  Cable/float  Other (specify) |  2  6 3 4  8 |  Not removed |  |
| Additional comments: |  |  |  |  |  |
|  |  |  |  |  |  |
| **Archive file name (start date.Station ID.retrieval date) :** |  |  |  |  |
| Cross section sketch: |  | **Plan view sketch:** |  |  |
|   |   |   |   |   |   |
|   |   |  |  |  |   |
|   |   |  |  |  |   |
|  |  |  |  |  |  |
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|  |  |  |  |  |  |
| Write good directions, draw a good site map, and note triangulation distances. |  |  |
| **Take photos from 2 angles (have someone point to or stand next to the sonde):** |  |
| PHOTO 1 Description |   |   |   |   |   |
| PHOTO 2 Description |   |   |   |   |   |
|  **SONDE CALIBRATION WORKSHEET** | Rev. 2020Apr6 |
| Sonde ID: |   | Date/Time: |  |  | Technician: |   |   |
| Project: |   |  | Battery %: |  |  |
|  |  |  |  |  |  |
| **Dissolved Oxygen** | Barometric Pressure: mm Hg  | **Pass Criteria: ±5%** |
|  | Initial Reading |  | Calibrated Reading |  | Temperature (oC) |  | Pass/ Fail |
|  | % | mg/L |  | % | mg/L |  |  |   |  |
|  |  |  |  |  |  |  |  |  |  |
|  |
| **Specific Conductivity** |  |  |  **Pass Criteria: ± 5%**  |
|  | Standard Value (µS/cm) |  | Standard Lot # |  | Initial Reading (µS/cm) |  | Calibrated Reading (µS/cm) |  | Temp. (oC) |  | Pass/ Fail |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **pH** |  |  |  |  |   **Pass Criteria: +/- 0.2 su** |
| Value (su) |  | Buffer Lot # |  | Initial Reading (su) |  | Calibrated Reading (su) |  | mV \* |  | Temp. (oC) |  | Range (mV) | Pass/Fail |
| 7 |  |  |  |   |  |   |  |   |  |  |  | (0 +/- 50) |   |
| 4 |  |  |  |   |  |   |  |   |  |  |  | (+180+/-50) |   |
| 10 |  |  |  |   |  |   |  |   |  |  |  | ( -180+/-50) |   |
| **\*Note:** Difference in mV between pH4 and pH 7, and pH 7 and pH 10 should be approximately 165 to 180 mV(ex. 165 mV - (-10) mV = 175 mv). If not, probe should be reconditioned and recalibrated. mV1(\_\_\_\_\_\_\_\_) – mV2(\_\_\_\_\_\_\_\_) = \_\_\_\_\_\_\_\_\_ mV |
| **Turbidity** |  |  |  | **Pass Criteria: see chart** |
|  Value (NTU) |  | Standard Lot # |  | Initial Reading (NTU) |  | Calibrated Reading (NTU) |  |  | Pass/Fail |
| 0 |  | DI |  |   |  |   |  |   |
| 100 |  |  |  |   |  |   |  |   |
| 1000 |  |  |  |   |  |   |  |   |
|  |  |  |  |  |  |  |  |  |  |  |
| **Calibration Verification** | Date/Time: |  |  | Technician: |  |  |
| Dissolved Oxygen |  | Temperature (oC) |  | Pressure (mmHg) |  |  |  | P/F or LTD Qual. |
| % | mg/L |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Specific Conductivity (µS/cm) |  | Standard Lot # |  | Reading (µS/cm) |  |  |  | Temp. (oC) |  | P/F or LTD Qual. |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| pH Value (su) |  | Buffer Lot # |  | Reading (su) |  | mV |  | Temp. (oC) |  | P/F or LTD Qual. |
|   |  |  |  |  |  |  |  |  |  |   |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Turbidity Value (NTU) |  | Standard Lot # |  | Reading (NTU) |  |  |  |  |  | P/F or LTD Qual. |
| 0 |  | DI |  |  |  |  |  |  |  |  |
| 100 |  |  |  |  |  |  |  |  |  |  |
| 1000 |  |  |  |  |  |  |  |  |  |  |