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| **Sonde Deployment/Retrieval Field Sheet** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Last Revision 2020 Apr 16 | | | | | | | | | | | |
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| **Station name/ID:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
| **Deviation from station:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
| **Sonde #:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | **Model:** | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
| **Staff at deployment:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
| **Assessment unit:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
| **Water Quality Standards segment:** | | | | | | | | | | | | | | | | | | | | | | | | | | | **20.6.4.** | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | **ALU:** | | | | | | |  | | | | |  | | | | | | | | | | | |
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| **Location description:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
| **Lat/Long:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | **GPS Accuracy: ±** | | | | | | | | | | | | | | | | |
| **DO Field Cal:** | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | mm Hg | | | | | | | | | | | | | | | | | | | | | | | mg/L | | | | | | |  | | | | | oC | | | | | | | | | | | |
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| **Condition at time of retrieval:** | | | | | | | | | | | | | | | | | | | | | | | | | | | **□ Submerged □ Buried □ Exposed □ Other (Please explain)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **Anchor** | | | | | | | | | | | | | | | | | | | | | | | | | | |  Rebar  T-post   Cable/float   Other (specify) | | | | | | | | | | | | | | | | |  2  6  3  4  8 | | | | | | | | | | | | | | | | | | | | | | |  Not removed | | | | | | | | | | | |  | | | | | | | | | | | |
| Additional comments: | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | |  | | | | |  | | | | | | | | | | | |
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| **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 %: | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **Dissolved Oxygen** | | | | | | | | | | | | | | Barometric Pressure: mm Hg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Pass Criteria: ±5%** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | Initial Reading | | | | | | | | | | | | | | | | | | | | | |  | | | Calibrated Reading | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | Temperature (oC) | | | | | | | | | | | | | | |  | | | | Pass/ Fail | | | | | |
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| **Specific Conductivity** | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | **Pass Criteria: ± 5%** | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Standard Value (µS/cm) | | | | | | | | | | | | |  | | | Standard Lot # | | | | | | | | | | | | | | |  | | | | Initial Reading (µS/cm) | | | | | | | | | | | | | | | |  | | | | Calibrated Reading (µS/cm) | | | | | | | | | | | | | | |  | | | Temp. (oC) | | | | | | | | | | | | |  | | Pass/ Fail | | |
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| **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) | | | | | | | | | | | | | | |  | | | | |
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| 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 | | | | | | | | | | |
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| **Calibration Verification** | | | | | | | | | | | | | | | | | | | | | | | | | Date/Time: | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |  | | | | Technician: | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | |
| Dissolved Oxygen | | | | | | | | | | | | | | | | | |  | | | | Temperature (oC) | | | | | | | | | | | | | | | | | | | | |  | Pressure (mmHg) | | | | | | | | | | | | | | | | |  | | | | |  | | | | | | | | | | | |  | | | | | | P/F or LTD Qual. | | | | | | | | | | |
| % | | | | | | | | | | | mg/L | | | | | | |  | | |  | | | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | | | | | | | | | | |  | | | | |  | | | | | | | | | | | |  | | | | | |  | | | | | | | | | | |
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| Specific Conductivity (µS/cm) | | | | | | | | | | | | | | | | | |  | | | | | Standard Lot # | | | | | | | | | | | | | |  | | | | | Reading (µS/cm) | | | | | | | | | | | | |  | | | |  | | | | | | |  | | | | Temp. (oC) | | | | | | | | |  | | | | | P/F or LTD Qual. | | | | | | | | | | |
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| pH Value (su) | | | | | | | | | | | | | | | | | |  | | | | | Buffer Lot # | | | | | | | | | | | | | |  | | | | | Reading (su) | | | | | | | | | | | | |  | | | | mV | | | | | | |  | | | | Temp. (oC) | | | | | | | | |  | | | | | P/F or LTD Qual. | | | | | | | | | | |
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| Turbidity Value (NTU) | | | | | | | | | | | | | | | | | |  | | | | | Standard Lot # | | | | | | | | | | | | | |  | | | | | Reading (NTU) | | | | | | | | | | | | |  | | | |  | | | | | | |  | | | |  | | | | | | | | |  | | | | | P/F or LTD Qual. | | | | | | | | | | |
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