

Installation of Intellisense Gauges



North Carolina Emergency Management



Things to Consider: Gauge

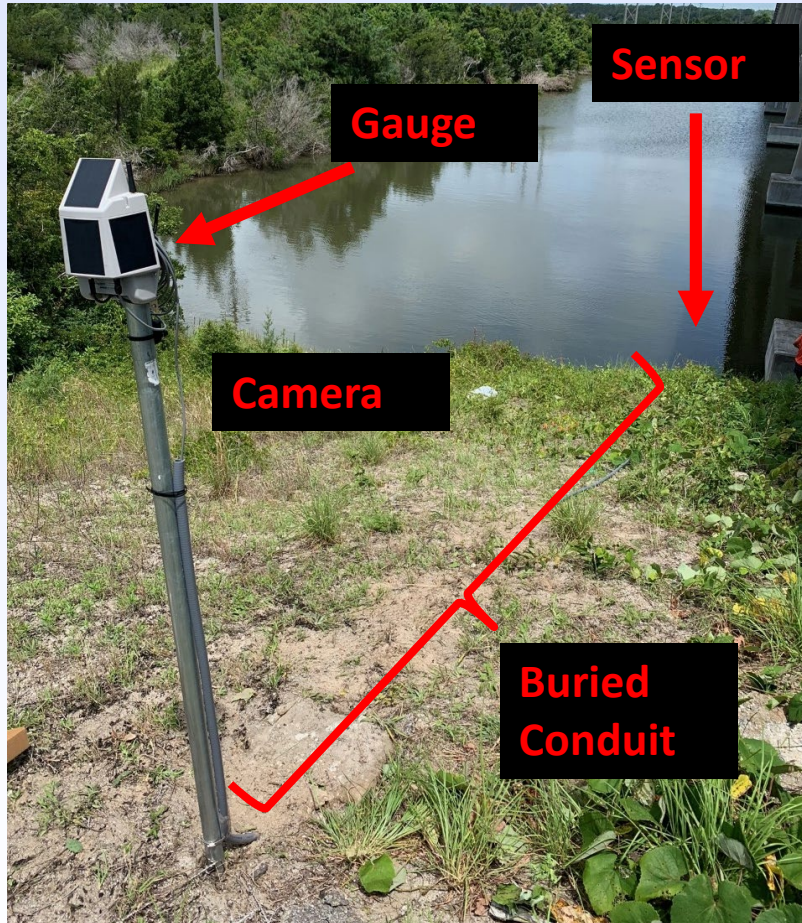
- Proximity to road/Pedestrian traffic
 - Vandalism/damage
 - Accessibility
- Overhead cover
 - Reduced cell signal strength
 - Solar panel functionality
- Substrate
 - Length of mounting pole (soft sand will need longer pole for stability)



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Things to Consider: Gauge



- Gauge facing Southern horizon to take advantage of as much sunlight as possible
- Camera facing sensor to provide visual flood status
- Cables securely zip-tied to post
- Conduit buried to prevent vandalism/disturbance

Things to Consider: Sensor

- Proximity to Boat/Pedestrian traffic
 - Vandalism/damage
- Water Level Fluctuations
 - Tides
 - Low water events
- Substrate
 - Length of stake (soft sand/ mud will need longer pole for stability)
 - Sensor could be silted in



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Things to Consider: Sensor



Sensor

- Sensor far enough away from boat launches/public access to deter vandalism/damage
- Sensor deep enough to record wide range of water level
- Sensor protected by metal pipe/housing