

Leaders in Watershed Solutions

# Electronic Data Capture

October 20, 2016

### Introduction

- Why?
- Considerations
  - Cost
  - Practicality
  - Accessibility
  - Storage of data



#### Process

- Determine data to be recorded
- Equipment and software
- Data entry forms
- Involve all parties
- TEST TEST, use, repair, repeat



## Mobile Demand xTablet T1200

- Rugged case with a tablet built in
- IP65, MIL-STD 810G/F certified. That means your information is safe, even if dropped, shocked or exposed to water and dust.
- Numeric keypad
- Windows operating system
- Bluetooth capable
- Includes camera





#### Routine COC

#### SAN ANTONIO RIVER AUTHORITY Chack for Review by Routine Watershed Monitoring Chain-of-Custody Field Staff (Initial/Date) Collector(s) Signature(s): Instrument # Sample Temperature (°C)1: (Observed/corrected temperature (ID: C01-096) P pH Paper, R010-38-6 Specify consumer type for Other # of Containers pH <Z (YaNINA)? Sample Collection End Depth Method Time-Container Preservation Type/Container ID GC Gallon Cubitaine Lab Comments: QC - Quart Cubitainer Lab Comments: GG-Gallon Cubitainer Field Comments LW - Large Whirlpak AB - Amber Plastic Lab Comments: Lab Comments: Other Lab Comments:

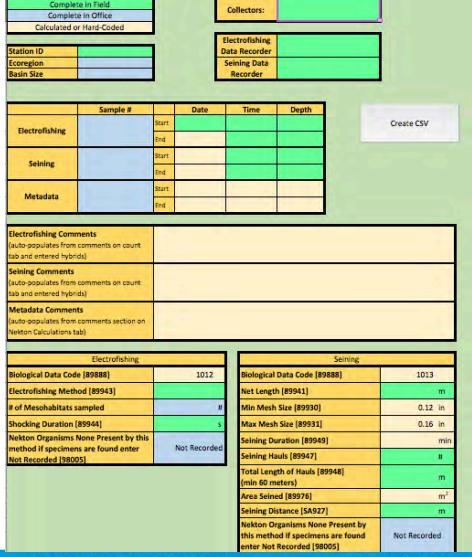


#### Routine



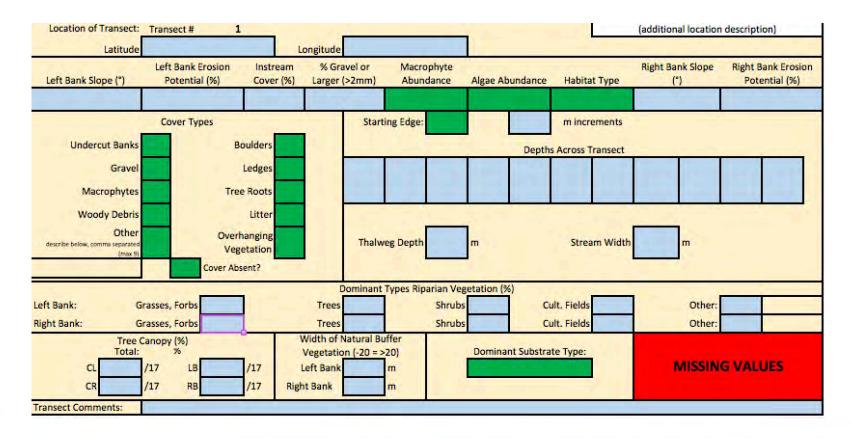


#### Nekton



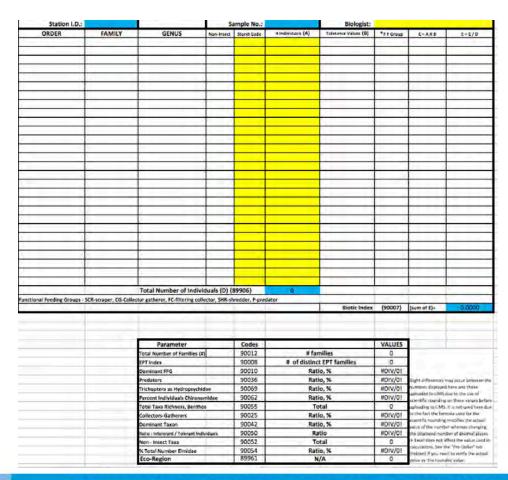


#### Habitat





#### Benthic Macroinvertebrates





#### Lessons Learned

- Significant undertaking
- Form design
  - Always include a free-form comment section
- Scientific rounding and LIMS
- TEST TEST TEST!!!



### Thank you!

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#### Additional Information

- We currently use LIMS61
- Tablet operating temperature is, -4° F to +140° F (-20° C to +60° C)

