

DIGITAL VS PAPER



- Digital Speed
- » **Transitional Learning Curve**
    - There is an initial adjustment period, but efficiency improves with practice.
  - » **Variety of Data Collection Strategies**
    - Workflow can be optimized for faster data input.
  - » **Default or Pre-Populated Answers**
    - No repetitive manual entry speeds up data collection.

Paper Post-Processing

- » **Data Transcription and Entry**
  - Manual transcription and data re-entry can create duplicate efforts.
- » **Physical Data Storage**
  - Paper requires organization, space, and retrieval time.
- » **Error-Prone Process**
  - There is increased risk of lost, illegible, or misinterpreted data.



WHY WE CHOSE WILDNOTE

Offline Use & Cloud Backup



Data are stored locally and automatically backed up to the cloud when connected to the internet.

Customizable Fisheries Data



Project customization allows for tailored data collection.

Error Reduction & QA/QC Efficiency



Field and boundaries can be set, ensuring data are not missed and preventing erroneous records.

Photo Cross-Verification



Data can be verified with linked images.

Multi-device Capabilities



Wildnote app can be accessed via a browser on a variety of devices, including phones.

Customer Support



Representatives are quick to respond and help troubleshoot challenges.

CHALLENGES & SOLUTIONS

Challenges	Solutions
Staff Training & Adoption	Transitioning staff to digital data collection takes time and dedication.
Managing Large Datasets	Airplane mode can help improve mobile app responses.
Battery life	Backup power sources are included in field gear.



TEMPLATES & APP INTEGRATIONS

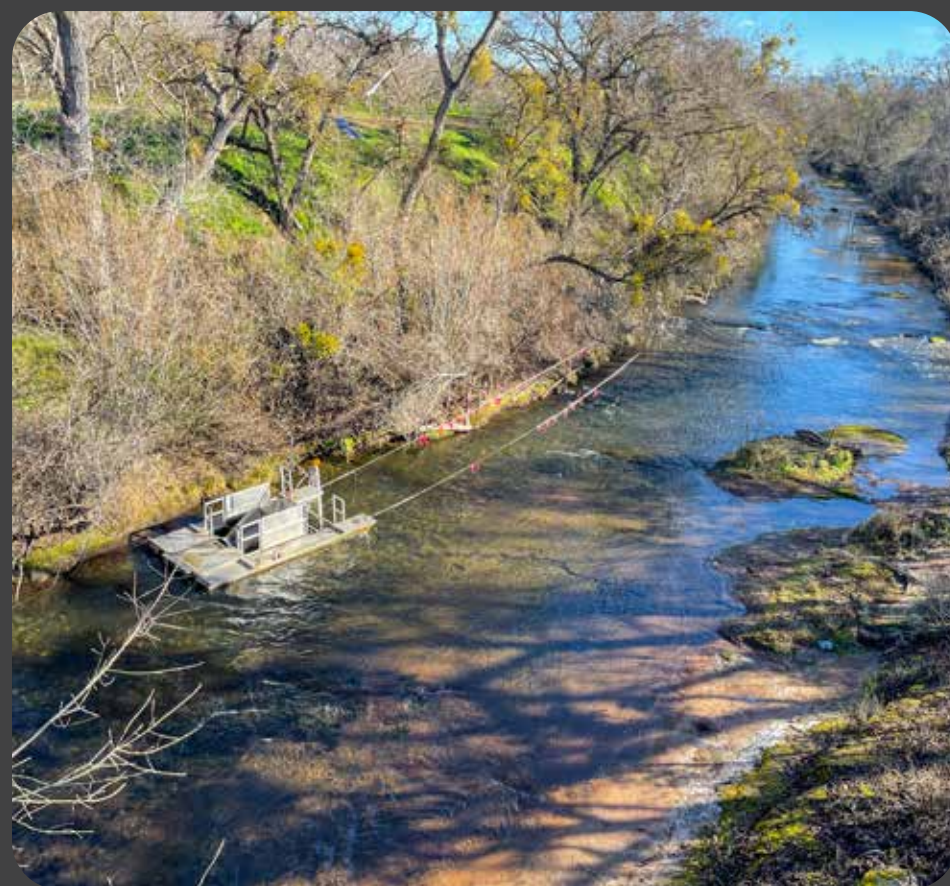
The Wildnote app comes **pre-configured** with multiple **relevant industry templates** such as:

- » Pre/Post-Construction Monitoring and Compliance
- » Restoration and Biological Assessments
- » Wetland Delineation

- Apps that **integrate** well with Wildnote:
- » ESRI ArcGIS Pro & ArcMap
    - Data can be exported as GDB or GeoJSON for mapping.
  - » Developer API
    - Wildnote data can be synced with other platforms.
  - » GNSS Device Compatibility
    - The App works with Trimble R1, EOS Arrow, Juniper Geode, and Bad Elf for sub-meter GPS accuracy.

PROJECTS UTILIZING WILDNOTE

- FISHBIO customizes all Wildnote datasheets to include **fisheries-specific data** such as:
1. Environmental data like flow, temperature, conductivity, weather, and dissolved oxygen
  2. Fish species, weight, length, tag numbers, and GPS images
  3. Scale and genetic sample ID



Calaveras River Rotary Screw Trap

Steelhead and Chinook salmon are monitored in the Calaveras River using a rotary screw trap.

- Project-specific customization:**
- » Default dropdown **menu of target salmonids**
  - » **Three different data sheets** developed for trap checking;
    - Standard trap check and maintenance
    - Fish marking
    - Fish release
  - » **Pre-loaded tag numbers**
    - Tag numbers include those for **geographically overlapping projects** (improves data collection for potential recaptures of tagged fish)

Delta Electrofishing Surveys

Boat electrofishing surveys have been conducted since 2022 in the South Delta and lower San Joaquin River to monitor non-native predator fish populations.

- Project-specific customization:**
- » Default dropdown **menu of target non-native predator fish**
  - » **Electrofishing information** such as waveform, frequency, voltage, duty cycle, start/end time, and start/end effort
  - » Datasheet developed to match the **team's data collection workflow** (i.e., Locations > Species > Length), decreasing scrolling time
  - » Diet sample label **defaulted to display repeating codes** (i.e., SJR-2025-XXXX)

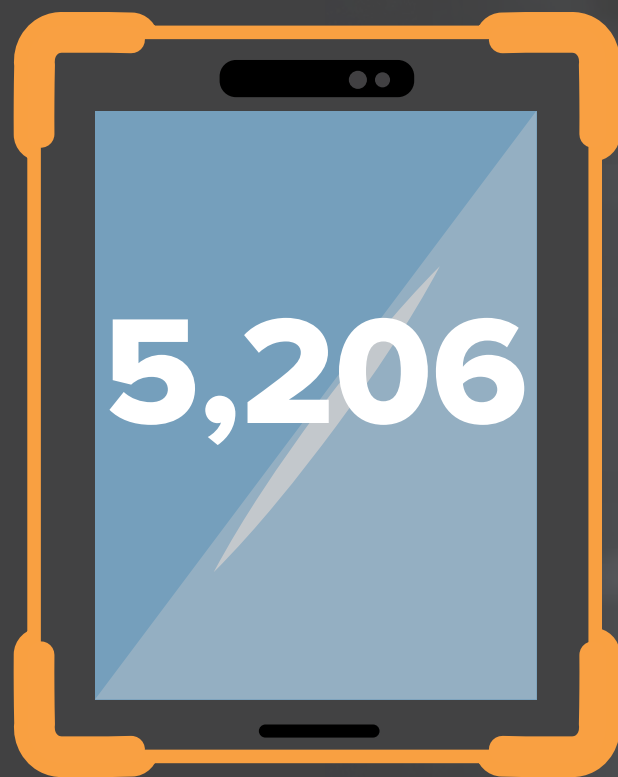


Almond Board of California Avian Point Counts

Bird count surveys and Autonomous Recording Units (ARUs) are used to study seasonal biodiversity of birds in Central Valley almond orchards.

- Project-specific customization:**
- » Over **2,000 preloaded bird species**
  - » ARU information such as model, unit, and status
  - » Bird detection by sight, distance seen, breeding status, and sound

FISHBIO WILDNOTE STATS 2022-2025



Custom Digital Wildnote Datasheet

Waterproof Tough Samsung Tablet

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