## Fen Wetland Tool 2.0 – Proposal Go By Text:

An example of our ability to use GIS and technology to streamline workflows is our Fen Wetlands Mobile Application (Fen).

Fen uses web and mobile technology, built to follow U.S. Army Corps of Engineers reporting requirements. Office and field staff check data accuracy and thoroughness in almost-real-time, helping to save time and enables our field professionals to focus on the highest priorities. Fen was built around four main functions: collect, integrate, review, and report.

Location data is captured either from the iPad’s internal GPS or via a Bluetooth connected sub-meter GPS unit. Photos taken with the iPad are directly related to data in the app. Once field personnel return to the office in the evening, an initial quality control check is performed using tools integrated into the application. Data is then uploaded directly to an HDR database server. The data is made available to the project team via a secure web portal. The web app serves as the central hub for tracking project status, performing QC reviews, reporting, and generating project outputs.

Fen improves field data collection workflows; allowing our scientists to concentrate on the environment around them, not the technology used to document it.

<ADD PROOF/PROJECT EXAMPLE>

Streamlining data collection in four key ways:

**COLLECT**

Mobile app designed around USACE regional standards for site vegetation, soil, and hydrology, eliminating time needed for transcription or calculations.

**INTEGRATE**

Site data, locations, and photos integrate from the moment information is collected.

**REVIEW**

Web portal provides instant access to data for review and quality control.

**REPORT**

On-the-fly map creation and report generation following regional supplement requirements.