

# Digital Love: Finding (Often Imperfect) Solutions to Digital Project Documentation and Management

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## Introduction

While we are well into the digital age, archaeology has lagged in adopting purely digital recording. It is possible for the 15



Emlid RTK system

## Digital Documentation Needs

Standardized - Multiple companies can be as simple and standardized as possible with training.

Flexible - Ability to modify or change as needed.

Fast Implementation - Only had to be implemented once.

Free or Low-Cost Software - Buy once, use forever, overall costs low.

NO backend data entry – Ability to capture data instantly.

## Tablets

Samsung Galaxy Active Tab Pro: rugged, long-life, replaceable battery.

- MDM Plan: Using a designated email address and Google account for all tablets. Workflows available for data collection, upload, and backups. Installed suite of apps on each tablet so everyone has identical toolbox.

## Forms and Logs

## ArcGIS and AGOL

While geospatial data is being processed, the following information is available for the field staff:



## The Good and Bad:

- Excel Forms & Macros do not work on tablet app.
  - Logging photos is laborious—need app that imports data.
  - Field Maps currently only collects in Lat/Long Dec. Deg.
  - Photogrammetry apps take too long to process for scale drawings.
- Tablets are pretty amazing, battery life, durability, quality of output.
- No. Data. Entry. No muddy, sweaty, wrinkled paper!
- All software used is free or widely used already.