

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

Sarah E. Price, Howard Cyr, Raven Christopher, and Alex Beebe

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

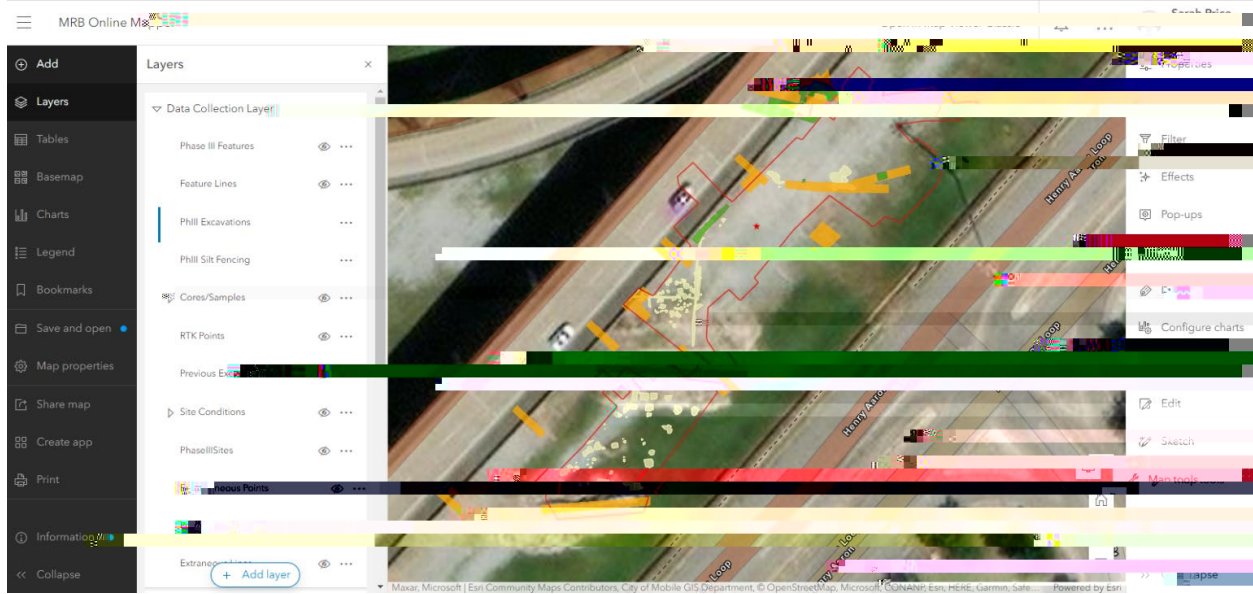
Samsung Galaxy Active Tab Pro: rugged, replaceable battery.

- 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.