U.S. Department of the Interior
Bureau of Land Management

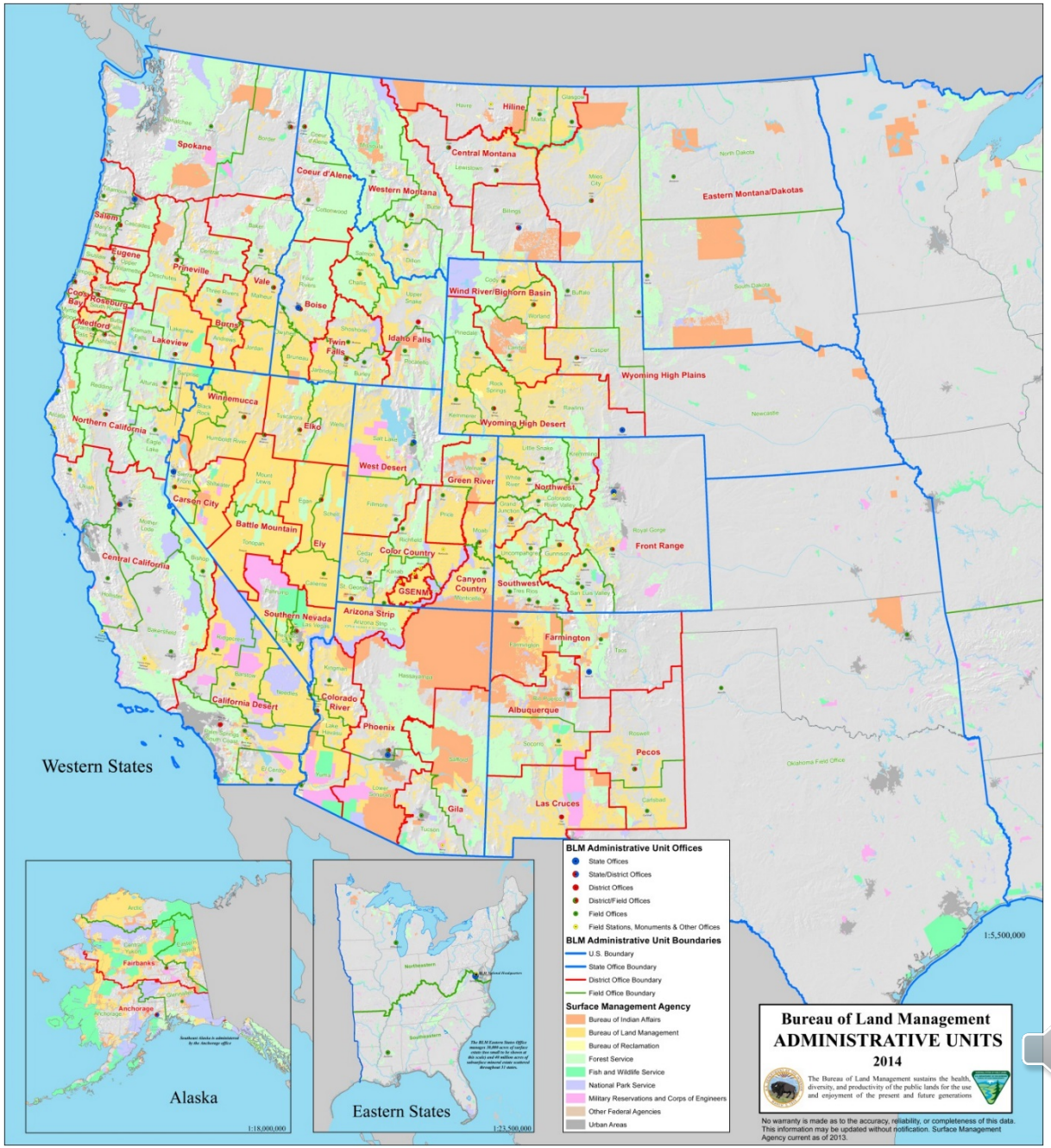
Your Public Lands

Greg Liggett BLM Paleontologist


MANOR
1017

270 Million Surface Acres

700 Million Subsurface Acres



BLM Contacts

Contact	States
Greg Liggett gliggett@blm.gov	Montana, North Dakota, South Dakota
Brent Breithaupt bbreitha@blm.gov	Alaska, Wyoming, Nebraska, and Idaho
Greg McDonald hmcdonald@blm.gov	Colorado, Utah, Nevada, Oregon, and Washington
Phil Gensler pgensler@blm.gov	New Mexico, Arizona, California

RAPTOR

- Recreation And Permit Tracking Online Reporting

RAPTOR

- Is in development right now, and is planned to be the system for BLM authorization application, authorization processing, and authorization reporting

- Will be used by BLM nation-wide

- Will facilitate the creation of a national data set of paleontology localities in GIS form

RAPTOR

- Researchers will go online to apply for permits
- Researchers will submit reports online
- Researchers will put locality data into a digital format to submit to RAPTOR

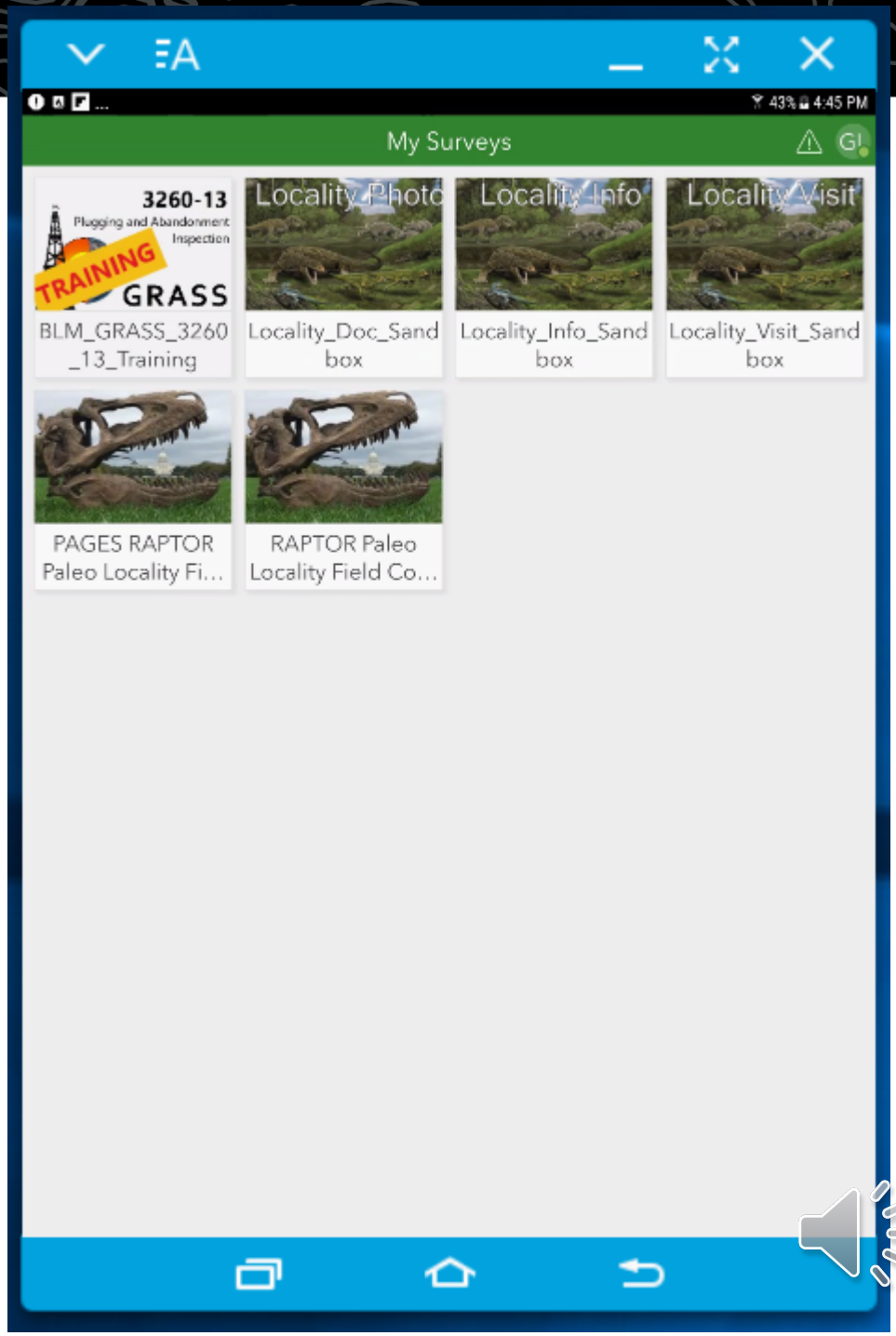
RAPTOR

- We will provide some tools to assist in getting the data into the proper format

- Right now we anticipate having
  - A Survey123 project
  - An Access database
  - An excel spreadsheet format

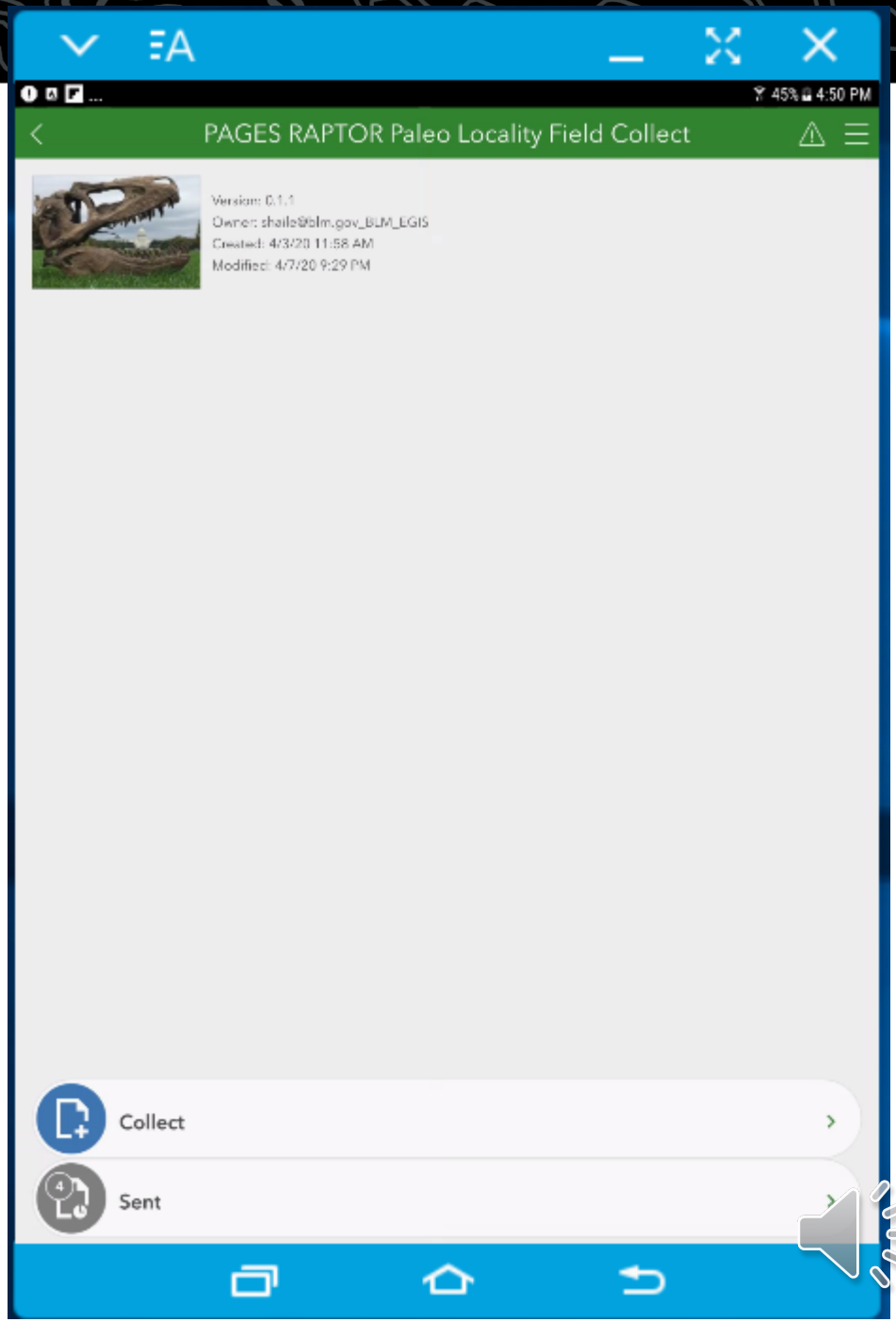
RAPTOR

- Survey123 requires that you have access to ArcGIS Online (AGOL)
- BLM would provide an empty fGDB with all the fields and domain values included
- Survey123 file can be downloaded to a mobile device to collect data offline in the field



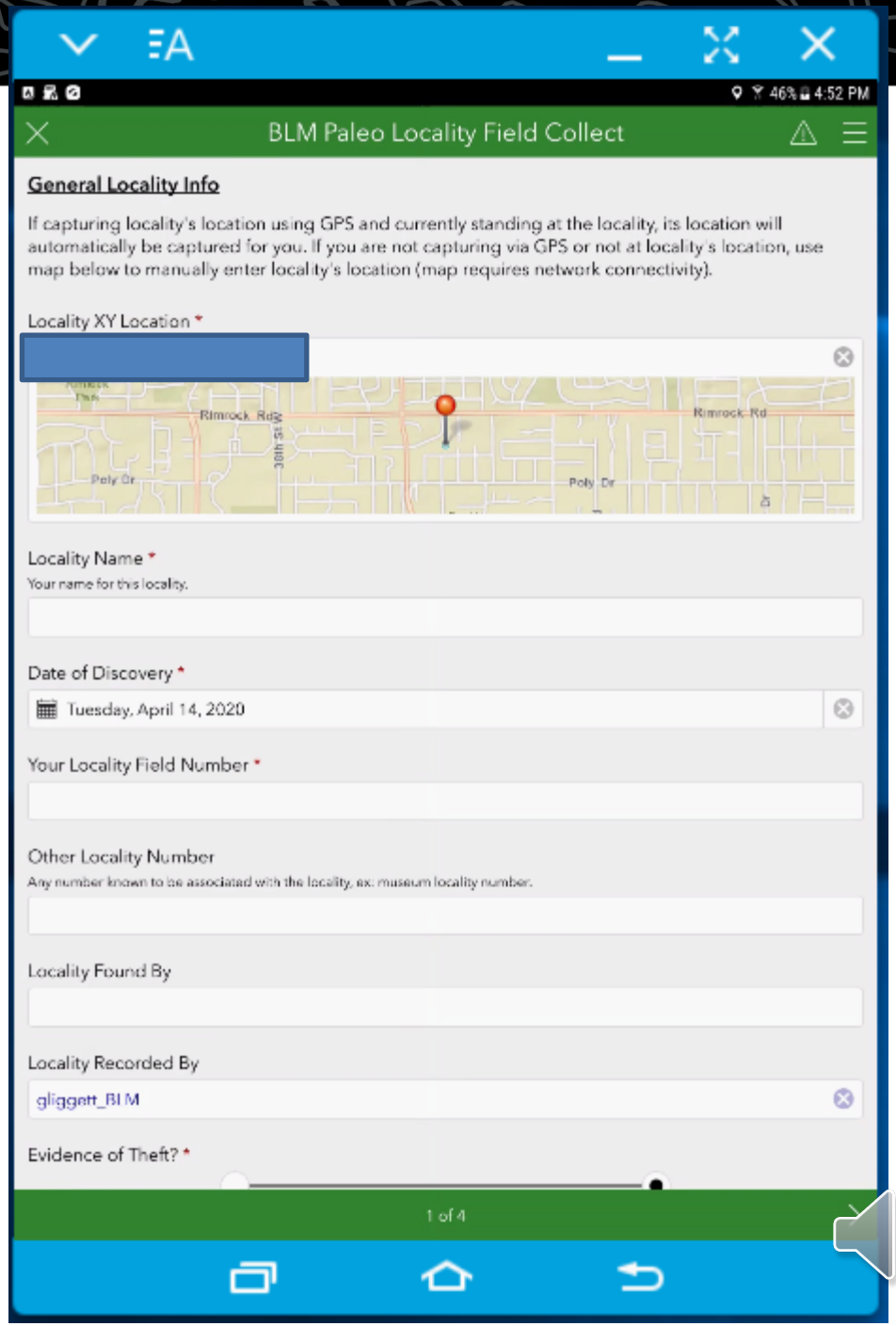
RAPTOR

- You open the survey, then selet “Collect”



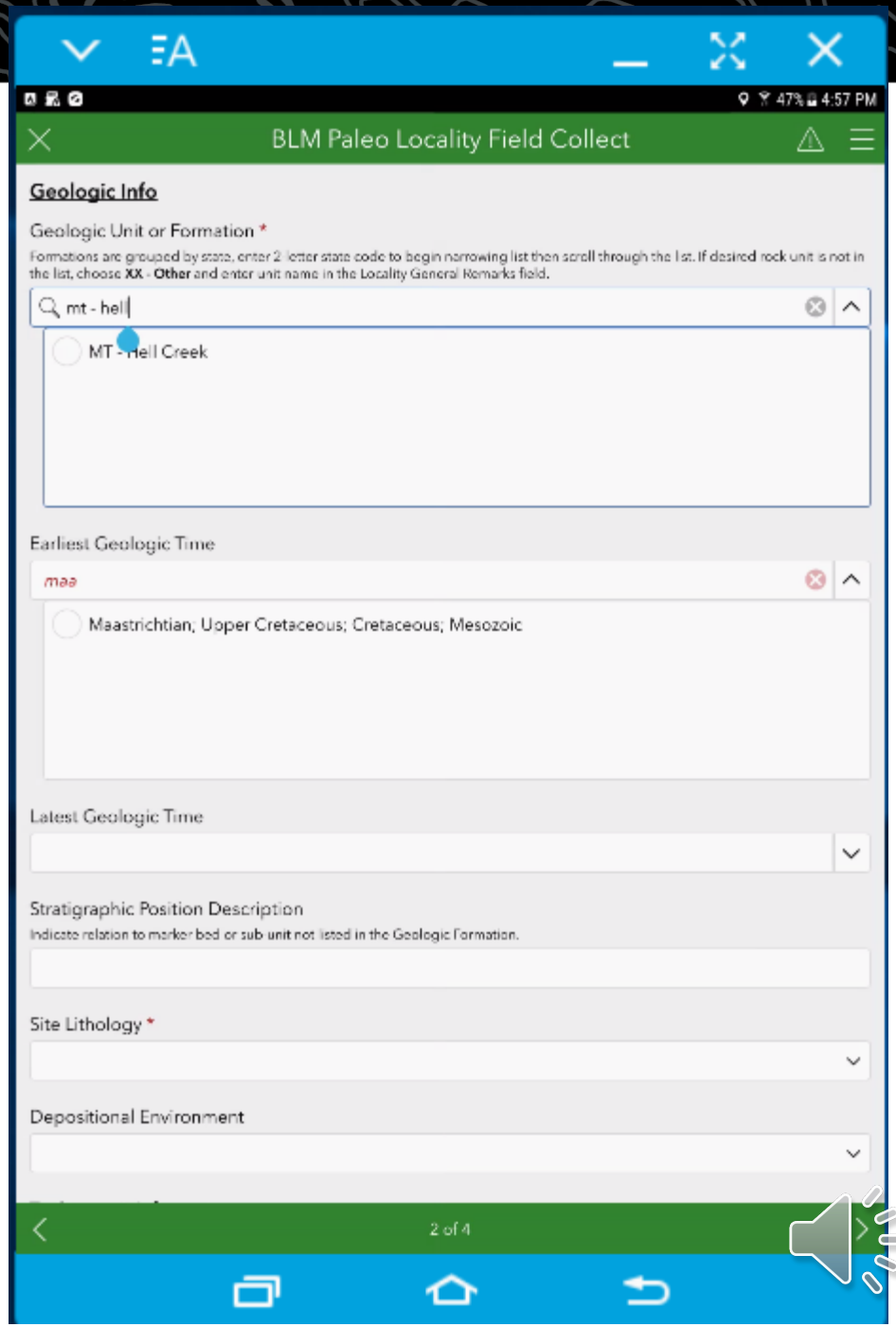
RAPTOR

- If your device is GPS enabled, it will snap to your location.
- Good for collecting the data right in the field
- Required fields are marked with red star and explanation text for the fields



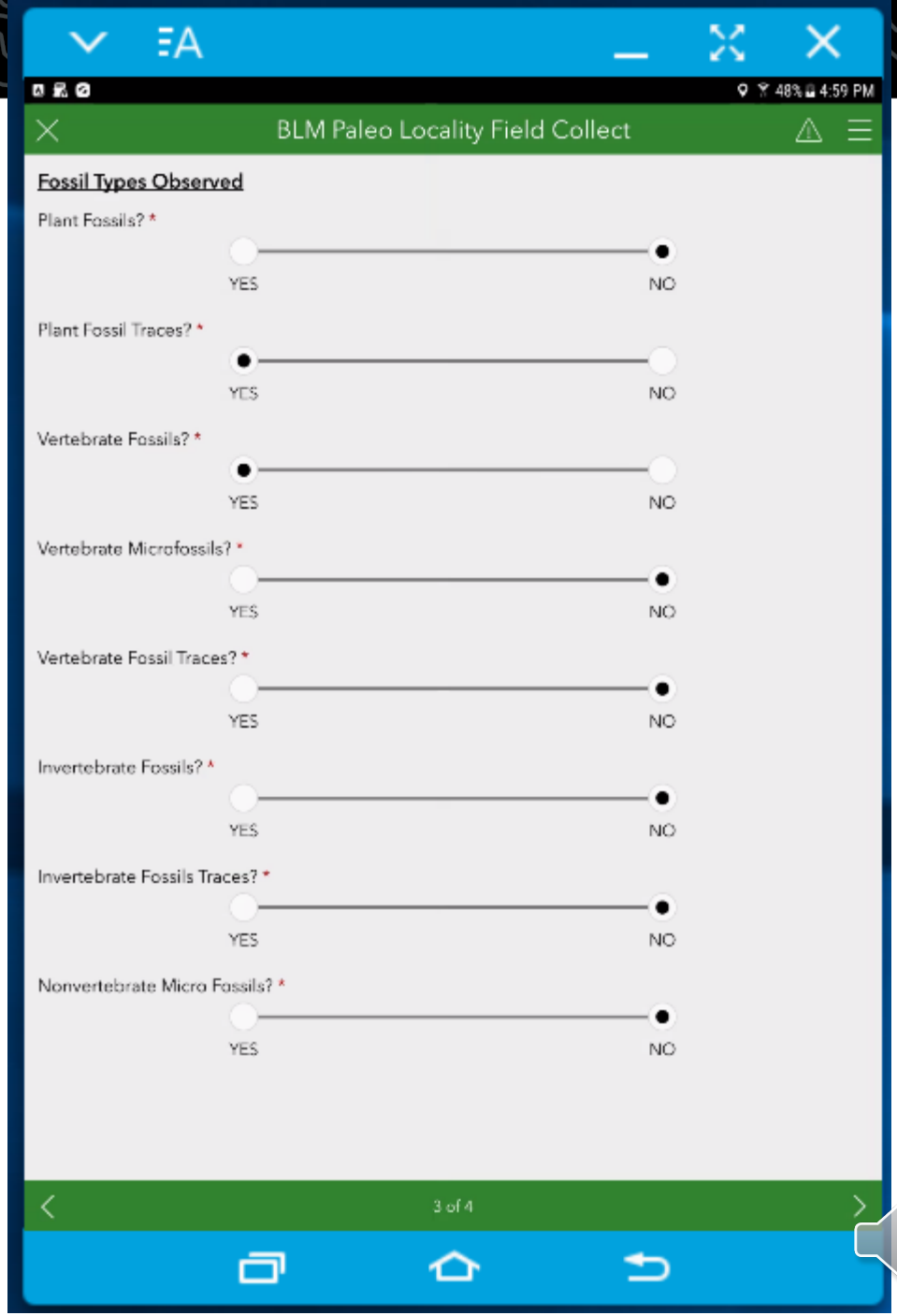
RAPTOR

- Many fields have domain values to select from, like formation names and geologic time names. Users can begin typing to narrow the list then select with the radio button.



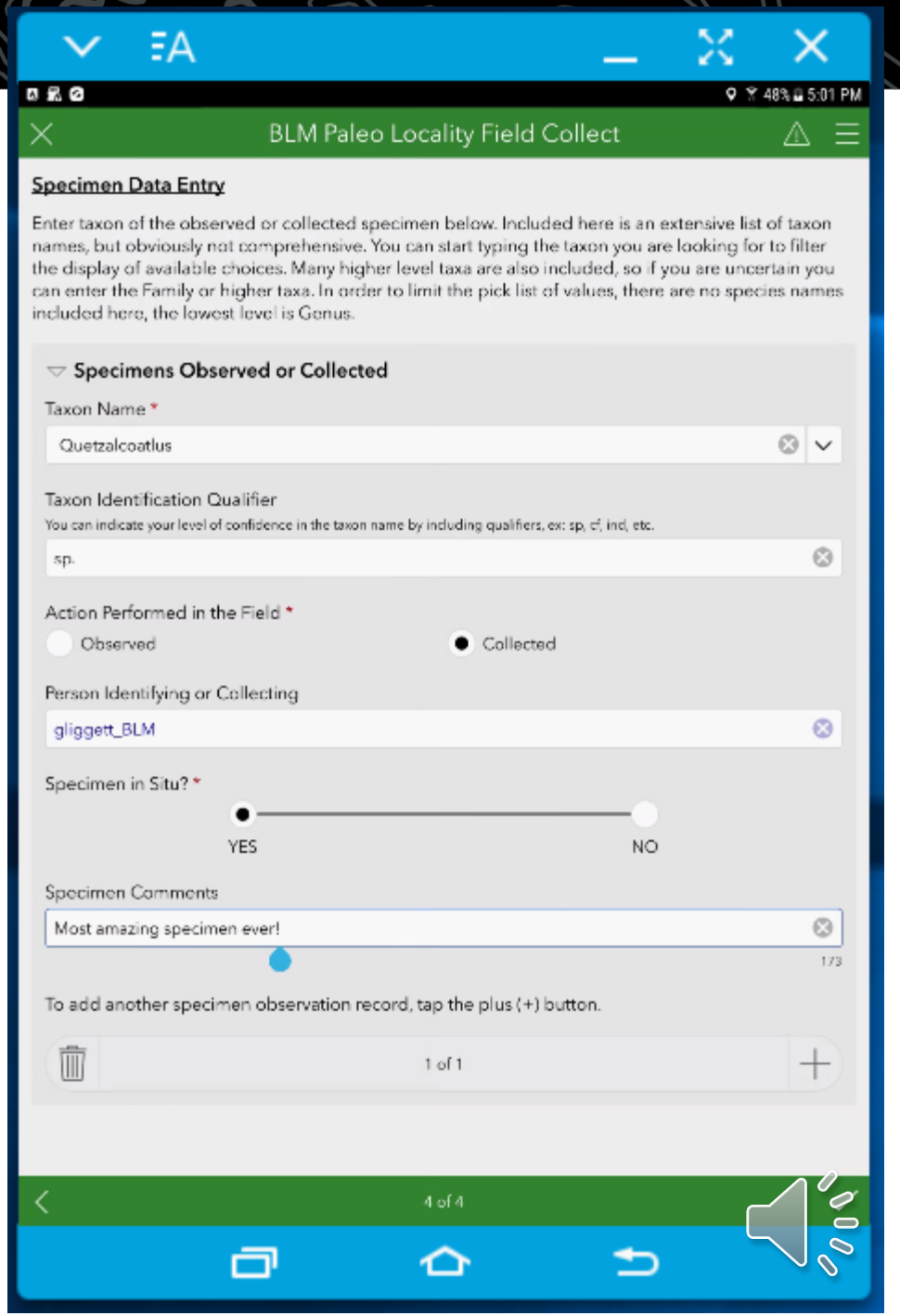
RAPTOR

- All locality data is entered over four pages of questions logically organized



RAPTOR

- User enters details of the fossil either collected or observed at the site, include taxonomic details
- Higher level taxa are included for field IDs
- Multiple taxa can be added to the locality record
- Checking the checkmark finishes the form. If you are offline it will save in device until it can be uploaded



RAPTOR

- Using this tool users will have recorded all their locality data required for reporting when they leave the field!

- We are excited about this system and look forward to its launch