

# Dike Inspection App (for iPad/iPhone) Guide

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The Dike Inspection App (for iPad and iPhone) was developed by GeoBC, a branch of the Ministry of Forests, Lands and Natural Resource Operations



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## Document Control

Version	Date	Name	Context
1.0	20150316	Meg Hoole	First Draft – iPad optimized
2.0	20150416	Meg Hoole	<ul style="list-style-type: none"><li>• Updated to include iPhone and iPad</li><li>• Removed Security Username and PW requirement</li><li>• Removed “lock” record (seemed confusing for users)</li><li>• Removed “View Dike Systems” where users could download a KML of the dike systems</li></ul>
2.1	20150416	Meg Hoole	Added Username and Password

## Introduction

The Dike Inspection “app” is a FileMaker fmp database that is designed for use in the free to download “FileMaker Go” app. It is optimized for the iPad (original or mini) and iPhone. It provides a digital form user interface for data collection on a mobile device. Only iOS devices are currently supported by the FileMaker platform

Remember to load this pdf guide to your iPad / iPhone for easy reference.

## Technical Requirements

FileMaker Go 13 for iPad and iPhone is compatible with iOS devices running iOS 8, iOS 7 or iOS 6, including iPad, iPad mini, iPhone.

iPads: Must be cell capable for GPS to work (i.e. if you have a wifi only device, then the GPS will not work). iPhones are GPS ready.

## Contact Information

### Primary

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### Secondary (for technical help with the app)

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## Download and install the free “FileMaker Go” app from the App store

1. Download the “Filemaker Go 13” app on your iPad / iPhone (its free from App store/ iTunes)

## Get the Dike Inspection fmp file onto your iPad (or iPhone)

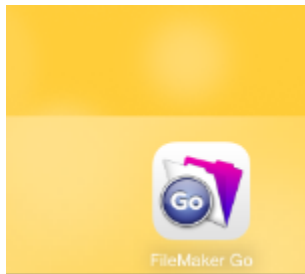
1. Email the Dike Inspection fmp file to your iPad, or use an app like dropbox,
  - On the iPad/iPhone, go to your email or your dropbox app, tap on the fmp file and open the fmp file via the “Filemaker Go” app
    - a. Sometimes when you tap on the file, it’ll take a few seconds before the popup with your options shows up
    - b. If you can’t immediately see the FileMaker Go app icon in the popup, you might have to try tapping on other options like the “Open in...” icon
2. or use iTunes on your PC to load the fmp file directly into the “Filemaker Go 13” app
  - The “dike\_inspection.fmp” file will open with a “Splashscreen” where you can “Get Started”
3. While you’re at it! Load this pdf onto your device too (via email, Dropbox, or iTunes)

## Username and Password (password is case sensitive!)

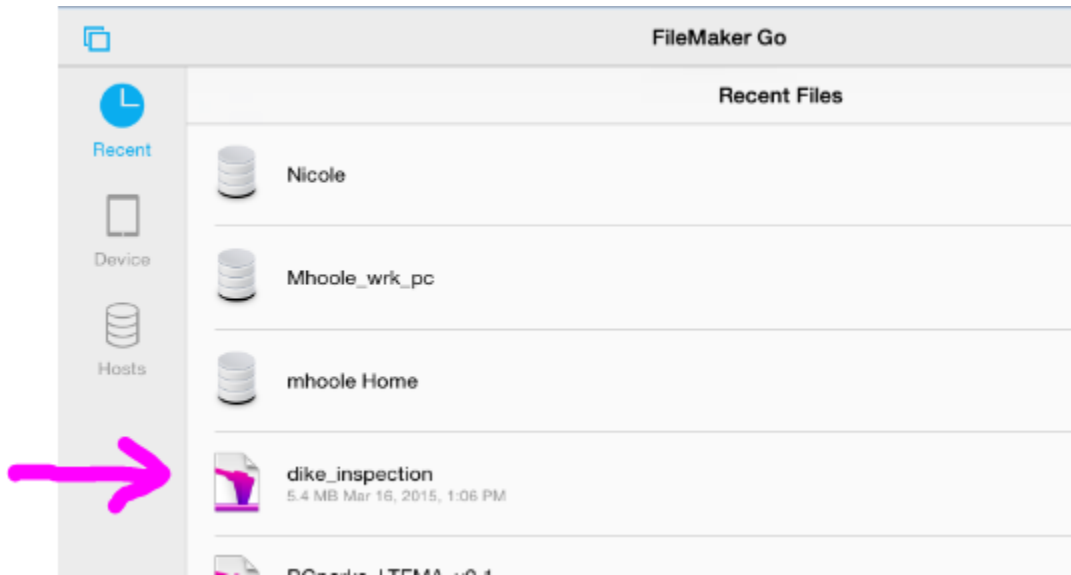
Username: flood

Password: safety

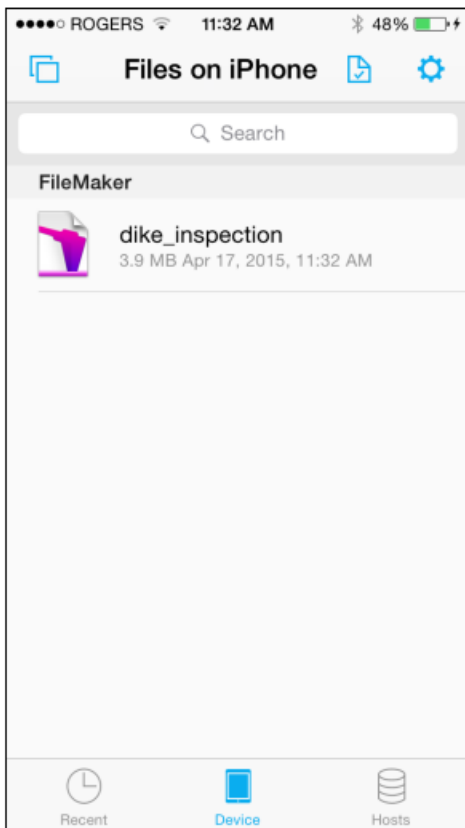
## Launch the “FileMaker Go” app and open the Dike Inspection fmp file



iPad Screenshot



iPhone Screenshot



## Get Started - splashscreen!

1. Enter the default inspector's name (if you enter a name here, it will auto-populate the name into every new dike inspection record)
2. Enter the default email (if you enter an email here, it will auto-populate the email address when you use the reporting tools (excel, pdf, kml))
3. Enter the default Dike Authority from the picklist (if you enter a value here, it will auto-populate the value into every new dike inspection record)
4. Tap "Tips" for some helpful reminders
5. Tap "Get Started" to start or resume your Dike Inspections.
6. Or Tap exit to return to the FileMaker Go home screen

iPad and iPhone

The screenshot displays the splash screen of the 'dike\_inspection' application. At the top, there is a title bar with the app name 'dike\_inspection' and a settings gear icon. Below this is a dark blue header containing the text 'Dike Inspection' and the date '4/17/2015'. To the right of the header, it indicates the user is logged in as '[Guest]' with an account privilege set of 'Data Entry Only Custom'. A 'Tips' button is located in the top right corner of the header. The main content area features three input fields: 'Default Inspector Name', 'Default E-mail', and 'Default Dike Authority' (which is a picklist). At the bottom of the screen, there are three prominent buttons: 'Exit App' (red), 'Reset Database' (black), and 'Get Started' (green). The bottom dock contains a home button and navigation icons.

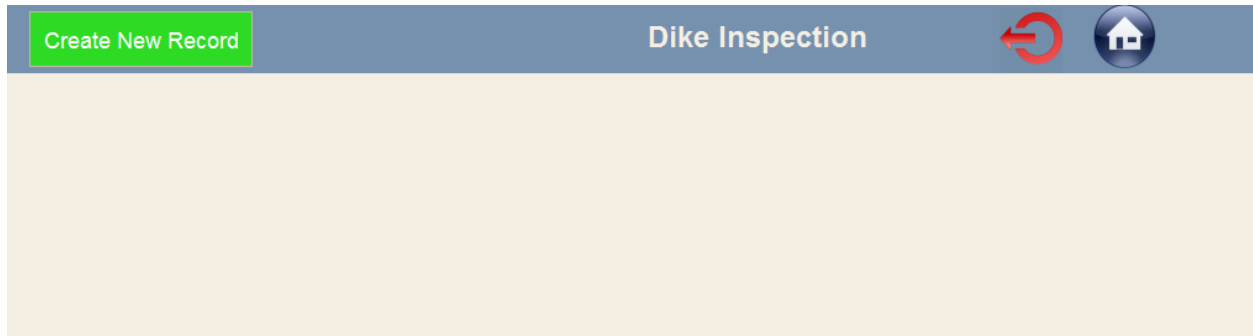
## Create a new Dike Inspection record

When you initially open the fmp file (database) it will probably be empty. There will be zero records in it (as indicated in the image below "Record 0 of 0" highlighted in yellow).

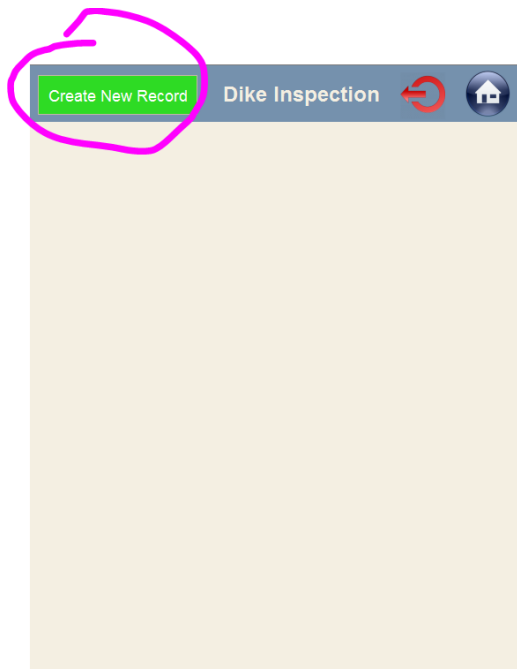
If you are starting a new dike inspection:

1. Tap on the green "Create New Record" button to generate a new dike inspection record

iPad



iPhone







## Start populating the boxes with information

1. Dike Authority – required – pick yours from the pick-list
2. Dike Name – required -- pick yours from the pick-list
3. Inspected by (may be auto-populated if you entered a default email on the splashscreen)
4. Date (auto-populated when you create a new Dike Inspection record)
5. GPS/ID# (this is auto-populated)
6. Inspection Summary & Sign off: A space to summarize the Dike Inspection and to “sign it off” using the signature feature. The summary and signature are included in the pdf reporting.
7. E-Mail Tools: Access tools to generate pdf report, excel report, or kml,
8. # of observations: shows the user a count of how many observations they have made for the particular dike inspection.
9. Observation – required – select an observation type from the picklist. Once selected, you will have additional boxes to fill and icon buttons to tap


iPad

The screenshot shows the 'Dike Inspection' app interface on an iPad. At the top, there is a blue header bar with three buttons: 'Create New Record' (green), 'Delete Record' (red), and 'Dike Inspection' (white). To the right of the header bar are a red refresh icon and a home icon. Below the header bar, the form is organized into several sections. On the left, there are two yellow dropdown menus for 'Dike Authority' and 'Dike Name'. Below these are a yellow text field for 'Inspected By' and a white date field for 'Date' containing '2015-04-17'. To the right of the date field is a white field for 'GPS / ID #'. Below the 'Inspected By' field, it says '# of observations 0'. A large yellow dropdown menu for 'Observation' is positioned below the '# of observations' label. On the right side of the form, there are two buttons: 'Inspection Summary & Sign Off' and 'E-mail'.

iPhone

**Create New Record**   **Dike Inspection**  

**Delete Record**

Inspected By   
Date  

Dike Authority

Dike Name

GPS / ID #

**Add/Edit Observations**   # of observations 0

Inspection Summary & Sign Off   E-mail

## Observations

After you have selected an "Observation":

1. Comments: enter relevant comments
2. Recommendations: enter relevant recommendations to address any required actions
3. Target Date: select a target date by which to action any recommendations
4. GPS: tap the "GPS" button to acquire lats and longs for the observation
5. Camera icon button: tap the camera icon to take a photo of the observation, or to sketch a drawing using the "signature" option
6. Red X icon button: delete the observation if you need or want to

iPad

The screenshot displays the 'Dike Inspection' app interface on an iPad. At the top, there is a navigation bar with a green 'Create New Record' button, a red 'Delete Record' button, the title 'Dike Inspection', a red refresh icon, and a home icon. Below the navigation bar, the form is organized into several sections:



- Dike Authority:** A dropdown menu with 'Chilliwack, City of' selected.
- Dike Name:** A dropdown menu with 'West Dike' selected.
- Inspected By:** A text field containing 'Meg Hoole'.
- Date:** A date picker showing '2015-04-17'.
- GPS / ID #:** A text field containing '15'.

Below these fields, it indicates '# of observations 1'. A large blue-bordered box highlights the 'Observation' details for the selected record:

- Observation:** A dropdown menu with 'Hampers or prevents access' selected.
- Comments:** A large yellow text area.
- Recommendations:** A large yellow text area.
- GPS:** A yellow button with 'Latitude' and 'Longitude' labels below it.
- Target Date:** A yellow date picker.
- Camera:** A red camera icon with a '0' next to it.
- Delete:** A large red 'X' icon.

On the right side of the observation box, there are two buttons: 'Inspection Summary & Sign Off' and 'E-mail'.

iPhone

**Create New Record**   **Dike Inspection**      

**Delete Record**

Inspected By:

Date:


Dike Authority:

Dike Name:

GPS / ID #:

**Add/Edit Observations**

Inspection Summary & Sign Off


**Observations** 

Observation:


Comments:

Recommendations:

Target Date:    **GPS**

 0

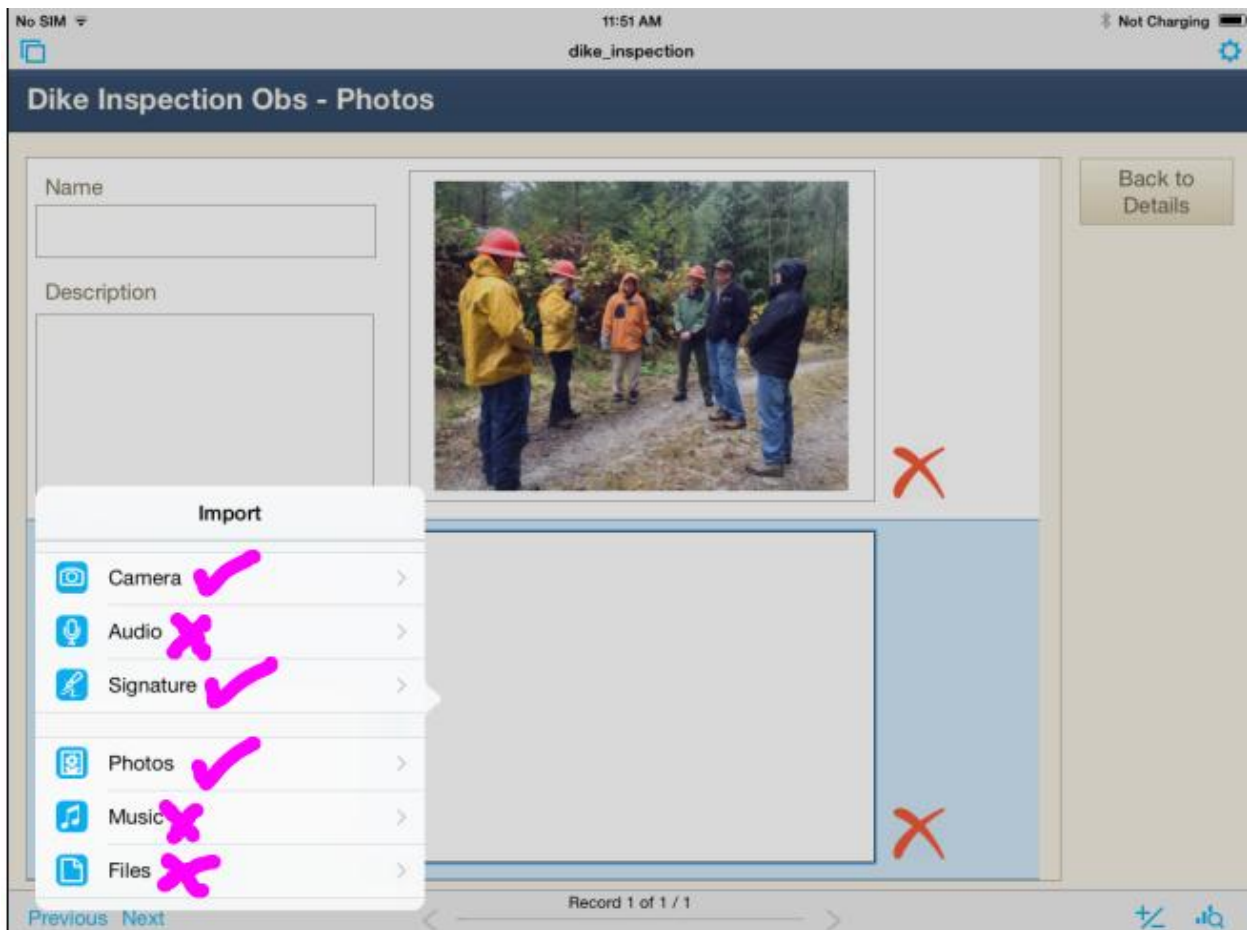
## Photos

When you tap on the camera icon  (red if no photos have been taken, black if at least one photo has been taken), you'll be taken to a new screen where you can take a photo.

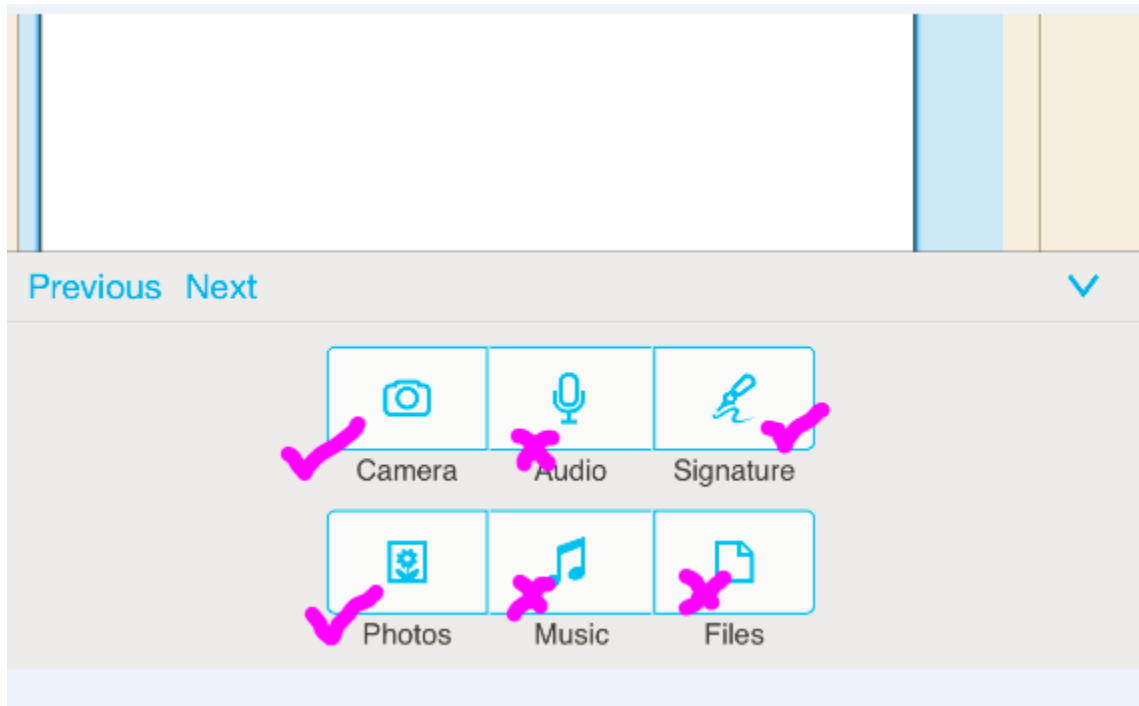
Note that you have the option to use an existing photo taken by the native camera app in the photo roll (these will include georeferencing info). Or you have the option of taking a photo from within the Dike Inspection app (these will NOT include georeferencing info).

**Warning:** Do not use the Audio/Music/or Files options (shown below). These may bloat your database, and may cause problems when generating the pdf report. Only add photos using the Camera or Photos option, or you may use the Signature option to draw a sketch.

iPad



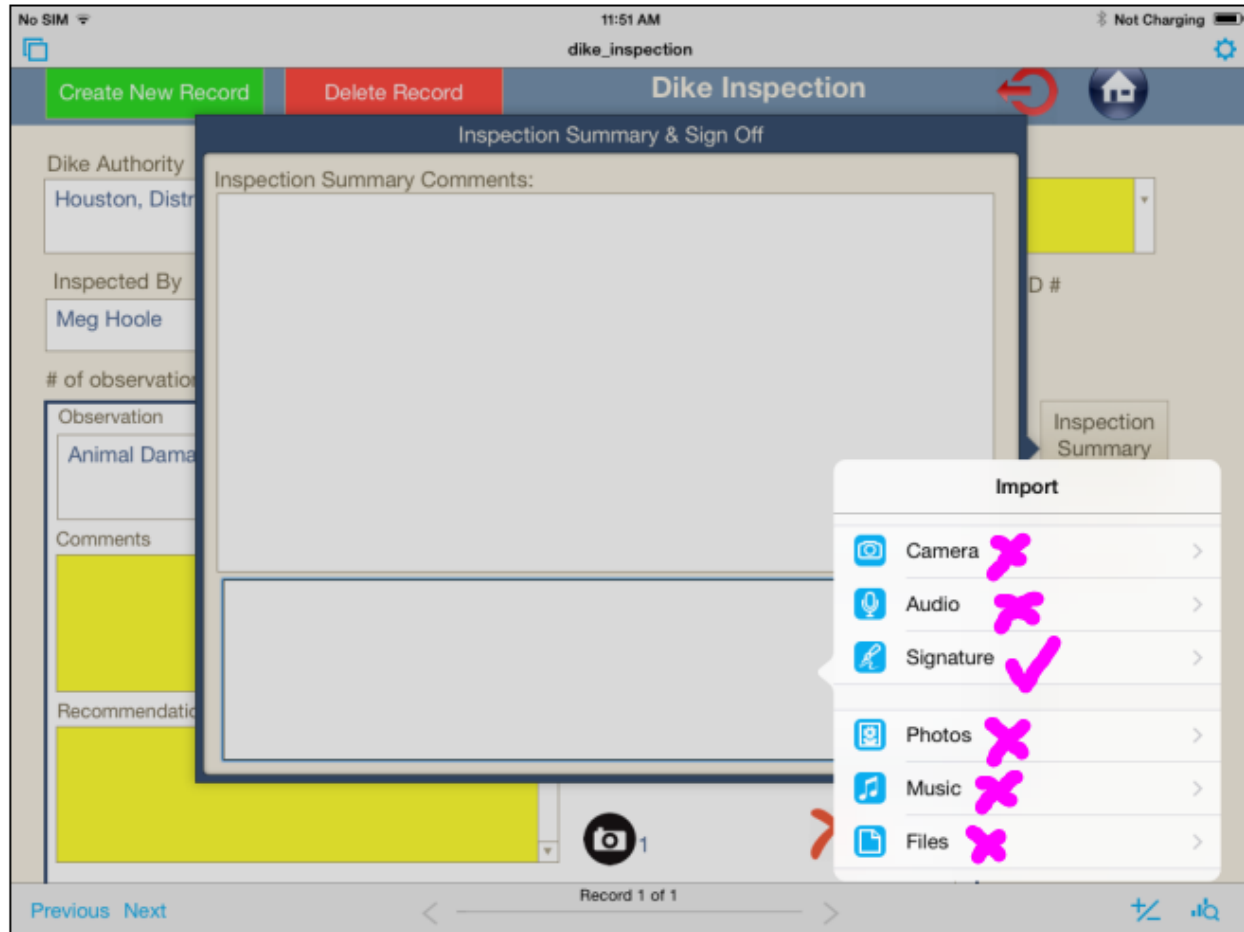
iPhone



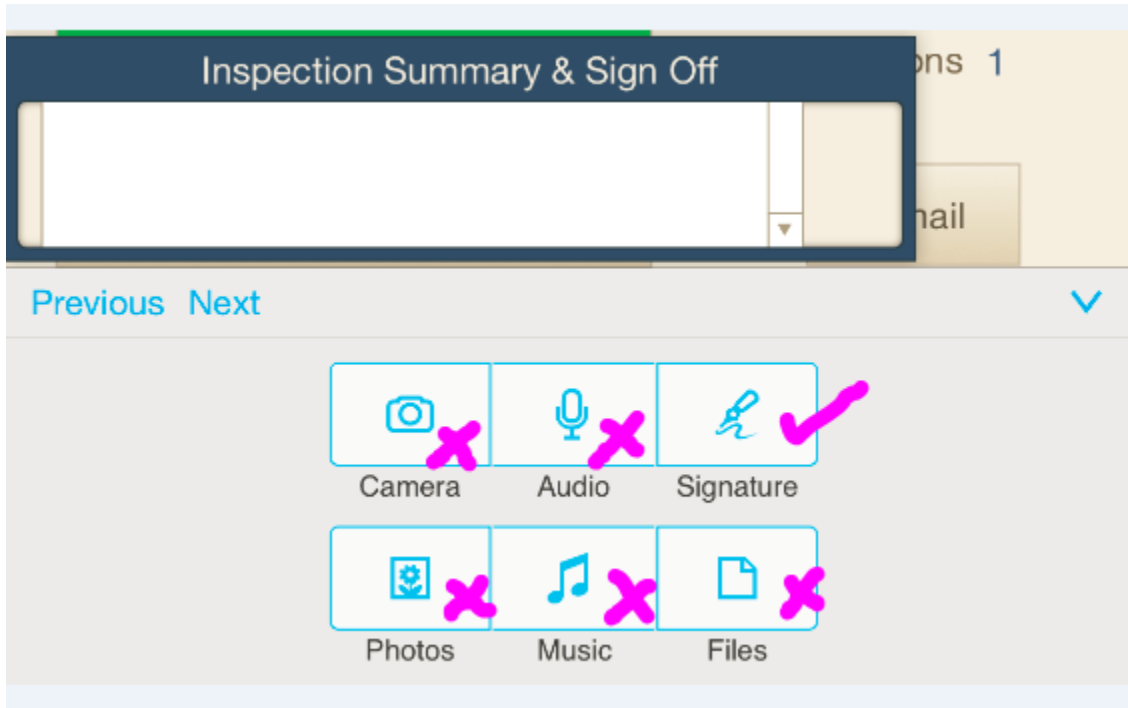
## Inspection Summary and Sign Off

1. Inspection Summary Comments: Summarize your inspection
2. Sign off your inspection: **Warning**: only use the signature option.

iPad



iPhone



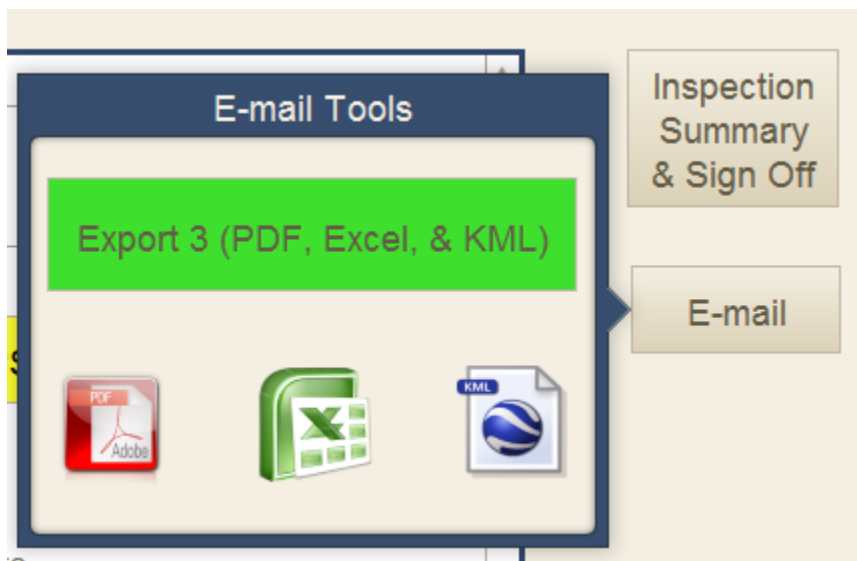


## E-mail Tools

Tools are available to:

1. Export 3 (PDF, Excel, & KML): tapping this button will give you the option to generate the 3 reports and email them all in one go. Note that due to a FileMaker limitation, 3 emails will be generated – one attachment per email.
2. PDF icon button: generate and email a pdf report only
3. Excel icon button: generate and email an excel report only
4. KML icon button: generate and email a KML file only (KML is a spatial format to view the observation locations in applications such as google earth)

iPad and iPhone



## Troubleshooting

Problems encountered by some users:

- Users that use their device with a screen protector may find that the screen protector reduces the touch sensitivity – you might have to try tapping a little harder!