Apps for Foresters and Landowners

Jennifer Gagnon VFLEP Coordinator
(1) Andrew says:
Can we expect a version for Android?

April 18, 2011 at 7:57 am
(2) forestry says:
I expect not. Even using public domain images and material, it cost time and dollars to do. Very challenging but not enough to attempt Android.

April 30, 2011 at 11:15 am
(3) Lightbernder says:
Too bad, considering that there are now more Android seats than Apple...and that will continue, considering the shortcomings of the Apple OS (no Flash, etc.).

June 19, 2011 at 7:00 pm
(4) Stuart says:
Looks like a shortcoming of Android is a lack of apps you like.

May 15, 2012 at 9:08 am
(5) John clavis says:
The problem is that the iPhone is for morons and morons don’t have any interest in identifying trees.

August 4, 2012 at 10:15 pm
(6) frelnc says:
VERY disappointed that this valuable tool for Master Gardeners, arborists and other tree lovers is still catering to only one platform. VERY disappointed.

October 3, 2012 at 10:14 am
(7) igeektrees says:
Even that cool app won’t convince me to buy an iPhone!
Mapping and Navigation

ESRI ARCGIS

• Create on-line public account
  http://www.esri.com/software/arcgis/arcgisonline/features/free-personal-account
• Large number of maps available
• Navigation/Waypoint creation
• Perform GIS analysis
• Customized forms/Sharing/SDK
• Access your own maps and shape files
• Data connection required
Mapping and Navigation

🍎 Motion X GPS
- Maps (choice of 9)
- Tracks
- Waypoints
- Onboard Maps
- Navigation
- Sharing
- Wikipedia
Mapping and Navigation

* Avenza PDF Maps

ViewRanger Outdoors
Data Collection

_plot Hound_

- [http://www.silviaterra.com/marketing/plothound/](http://www.silviaterra.com/marketing/plothound/)
- Cruise set up/navigation to site/plots
- Basal area/TPA/diameter distribution/stand table
- Change sampling method on the fly
Soils

Set the desired GPS accuracy with the slider, and click "Done" to return to the main view.

Component names are linked to their details on the CA Soil Resource page. Use the "back" arrow to return to the main view.

Click to start application

Application starts with GPS disabled. Click "GPS" to start acquiring location data. Click on the "info" button for application details.

Once a location with sufficient accuracy is acquired, map unit components are displayed. Soil profiles link to their Official Series Description.
Water

River Data

Flood Watch

River Flows
Invasive Species

- Bugwood Apps ([www.bugwood.org](http://www.bugwood.org))
  - Android Mid-Atlantic Early Detection Network (MAEDN)
  - Invasive Plants of Southern Forests
Field Guides

vTree

- 969 woody plants from all over North America
- Over 6,400 color photographs and range maps
- In depth description of all plant parts
- Narrows species list based on your location and elevation using the phone's GPS, network signal or user entered location
- Search for species by a key word, e.g. maple
- Identify species by answering a series of simple questions
- Send a tree question to Dr. Dendro
Field Guides

🍎 Leaf Snap
- Very pretty pictures
- 184 species/2600 images
- Snap and submit
- Create collection/Map
- Browse by name
- No key
- Games!
Field Guides

- Tree Book
- LarkWire Basics
- Peterson Guides$
- 🍋 Android Audubon Guides$
Field Tools

• Basal Area
  🍎 iBitterlich
  🤖 Bitterlich relascope
Field Tools

🍎 iHypsometer Lite

.Android aHypsometer Lite

\[
A = \tan \alpha \times D \\
B = \tan \beta \times D \\
\text{Tree height} = A + B
\]
Field Tools

- 🍎📲 SAF App 😞
- 🍎📲 Random number generators
- 🍎📲 Compasses
- 🍎📲 Evernote

TOUR OF ACCOUNTING

OVER HERE WE HAVE OUR RANDOM NUMBER GENERATOR.

NINE NINE NINE NINE NINE NINE

ARE YOU SURE THAT'S RANDOM?

THAT'S THE PROBLEM WITH RANDOMNESS: YOU CAN NEVER BE SURE.
Using Your Device in the Field

- Ruggedness
- Moisture
  - Drizzle
  - Freezer bags
  - Waterproof cases
  - Desiccants
Using Your Device in the Field

- Glare
  - Anti-glare screens
  - Matt screen protector
  - Brightness adjustment
  - Phone visor
Using Your Device in the Field

• Battery Life
  🍎 Turn off:
    🍎 GPS antenna
    🍎 Vibrate
    🍎 Notifications
    🍎 Equalizer
    🍎 Airplane mode

  🍏 Check mail less often
  🍏 Kill unnecessary Apps
  🍏 Advanced task killer App
  🍏 Extended life batteries
  🍏 Power Saver Mode
  🍏 Juice Defender
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