



Apps for Foresters and Landowners

Jennifer Gagnon VFLEP Coordinator

April 11, 2013



(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 o f 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 wont convince me to buy an iphone!



versus



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

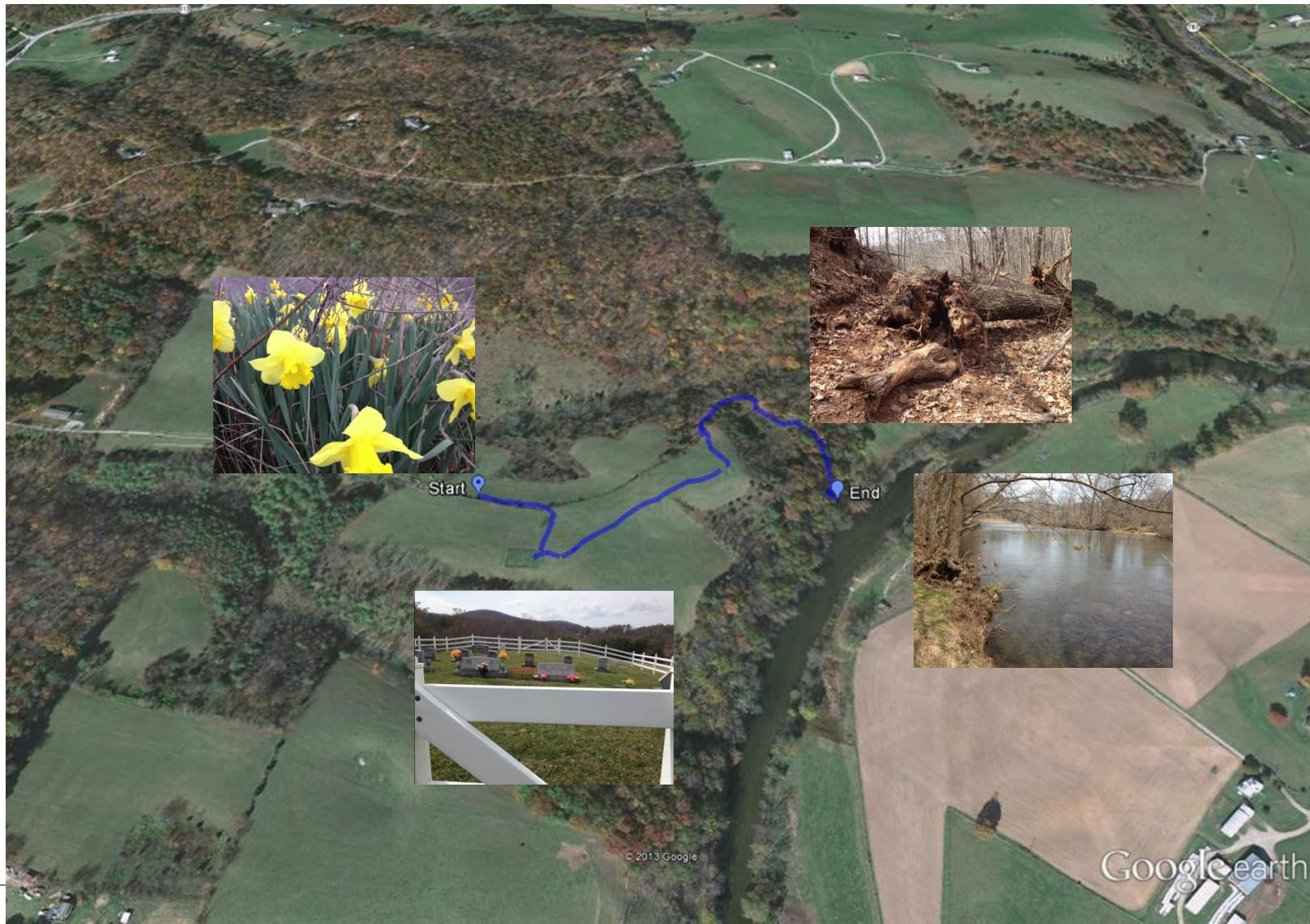


Mapping and Navigation

Motion X GPS

- Maps (choice of 9)
- Tracks
- Waypoints
- Onboard Maps
- Navigation
- Sharing
- Wikipedia



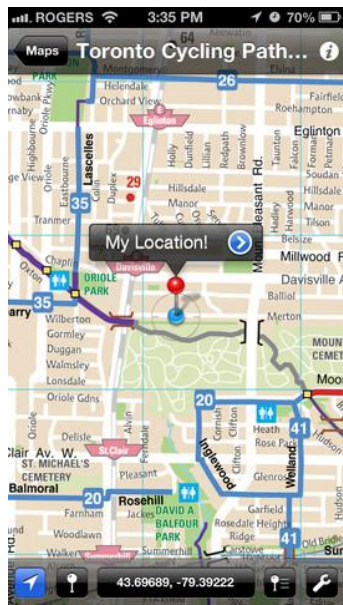
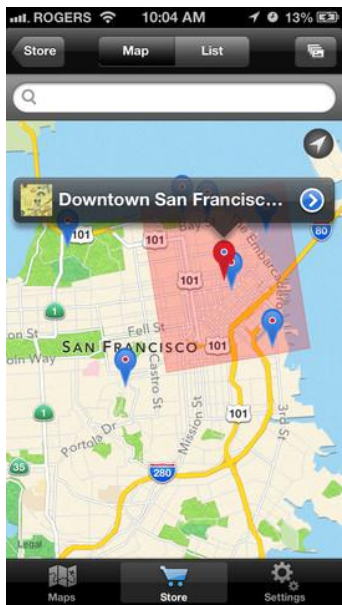




Mapping and Navigation

 *Avenza PDF Maps

 ViewRanger Outdoors



Data Collection

Plot Hound




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

All Inventoried Pending No Inventory

Search:

<input type="checkbox"/>	Name	Acreage	Last Inventoried	Date Created	Creator
<input checked="" type="checkbox"/>	Beulah Lane	3	pending	2013-04-05	Jennifer
<input type="checkbox"/>	Farm	7	pending	2013-03-21	Jennifer

Showing 1 to 2 of 2 entries



Created by Jennifer Gagnon on 2013-04-05

[Details](#) [Create Cruise](#) [Delete](#)

Inventories

Effective Date	Error	Conf.	Cruiser
pending	10%	90%	Jennifer G.



Farm

Map

Summary

34.00 trees/acre
stems

Cruise

Volume^{BETA}

73.64 ft³/acre
basal area

19.53 in
qmd

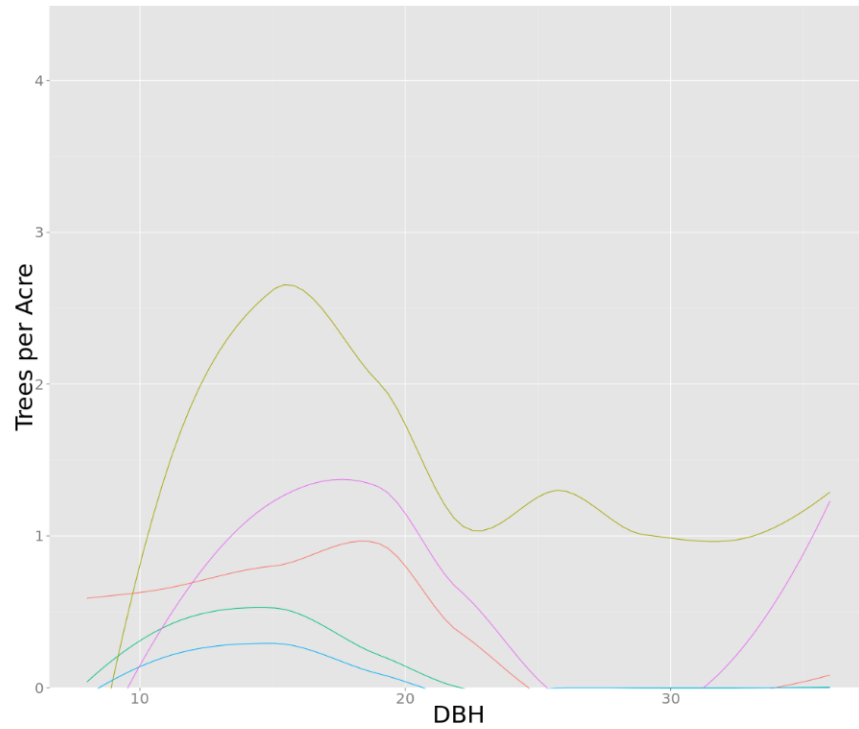
Files

Stand Table

2013-04-07 -- Plot Hound



+ New




- Species**
- Black cherry
 - Eastern white pine
 - Other or unknown live tree
 - White ash
 - Yellow-poplar





Soils

SoilWeb

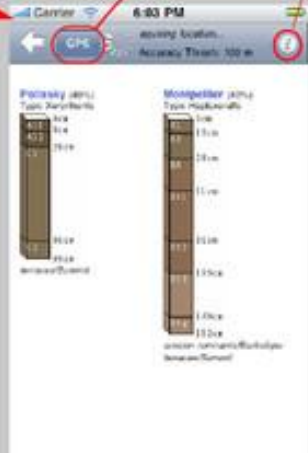
Set the desired GPS accuracy with the slider, and click "Done" to return to the main view.




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

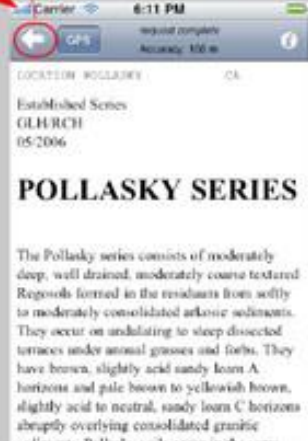
Click to start application.



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.



POLLASKY SERIES

The Pollasky series consists of moderately deep, well drained, moderately coarse textured Regosols formed in the residuums from softly to moderately consolidated arkosic sediments. They occur on undulating to steep dissected terraces under annual grasses and forbs. They have brown, slightly acid sandy loam A horizons and pale brown to yellowish brown, slightly acid to neutral, sandy loam C horizons abruptly overlying consolidated granitic sediments. Pollasky soils occur in the same

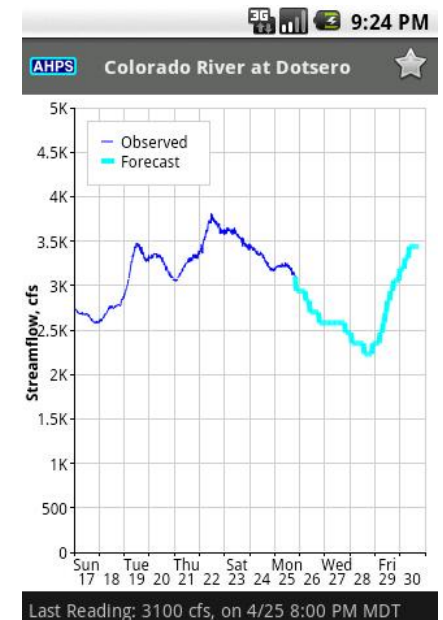
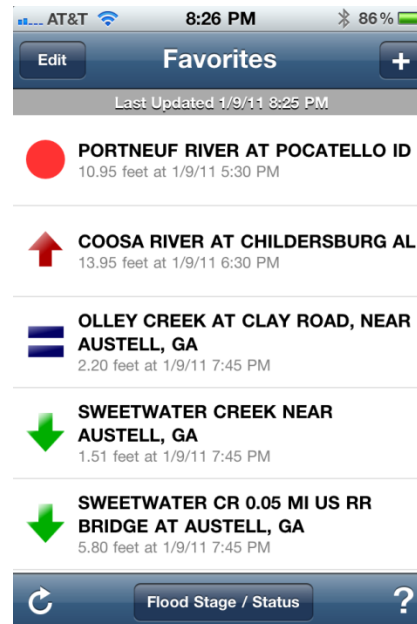
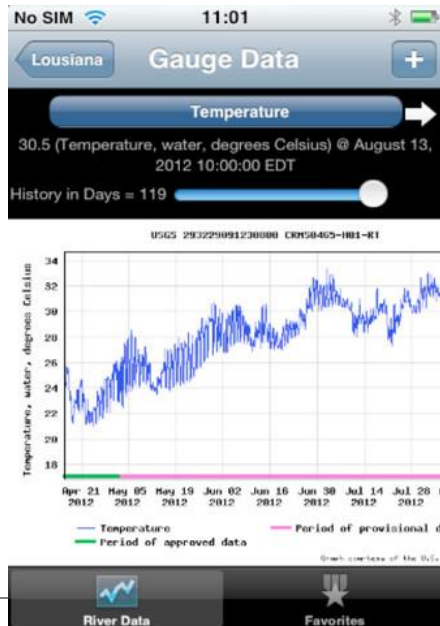


Water

 River Data

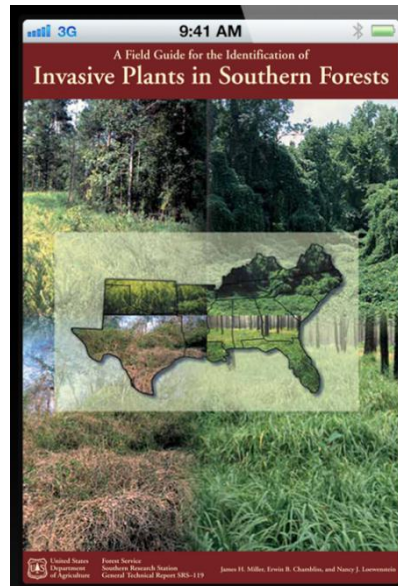
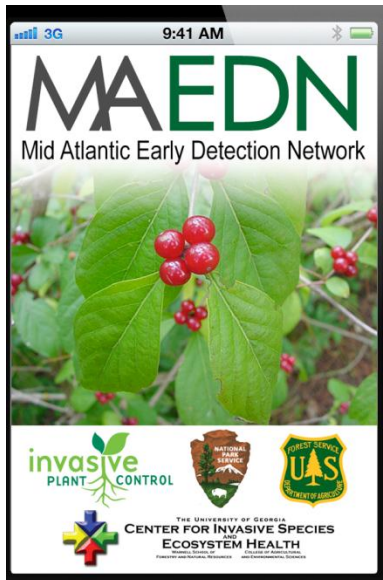
 Flood Watch

 River Flows



Invasive Species

- Bugwood Apps (www.bugwood.org)
 - 🍏🤖 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 phones 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

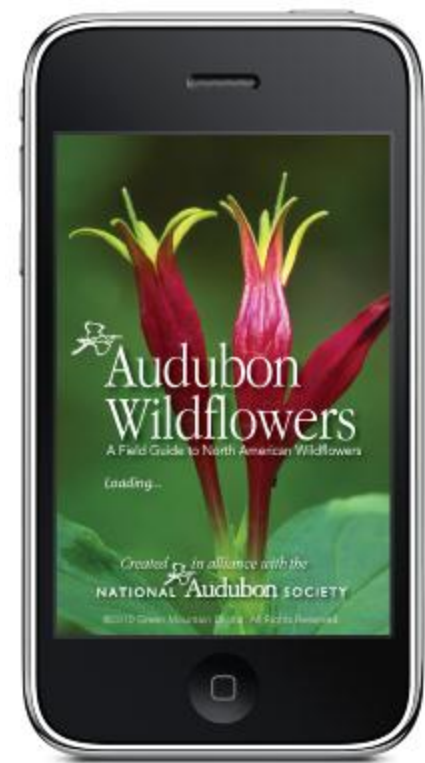
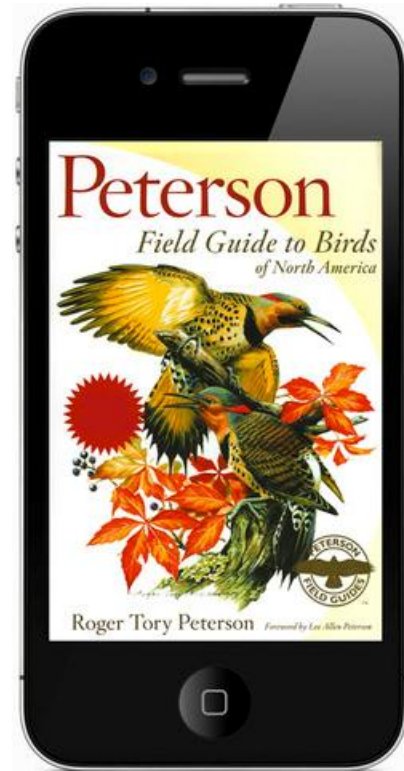
- Very pretty pictures
- 184 species/2600 images
- Snap and submit
- Create collection/Map
- Browse by name
- No key
- Games!





Field Guides

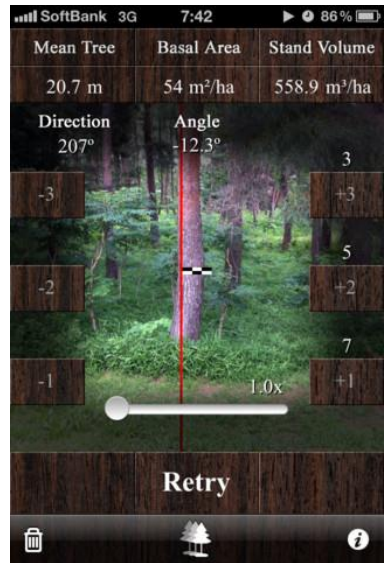
- 🍏 Tree Book
- 🍏 LarkWire Basics
- 🍏 Peterson Guides\$
- 🍏🤖 Audubon Guides\$





Field Tools

- Basal Area
 - 🍏 iBitterlich
 - 🤖 Bitterlich relascope

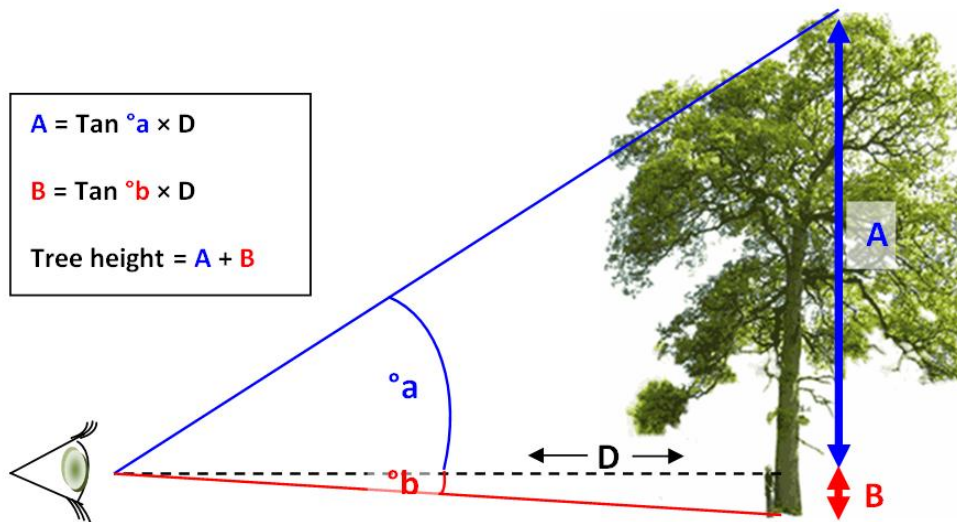




Field Tools

 iHypsometer Lite

 aHypsometer Lite





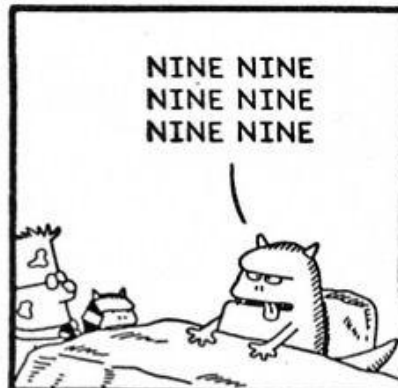
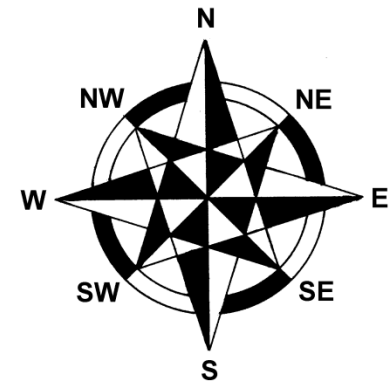
Field Tools

🍏🤖 SAF App ☹️

🍏🤖 Random number generators

🍏🤖 Compasses

🍏🤖 Evernote





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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<http://forestupdate.frec.vt.edu>

www.facebook.com/VFLEP