

My Phone is on Fire: Fire Apps

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Outline

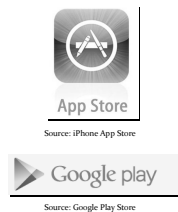
- Operating Systems
- Types of Applications Available
 - Prescribed Fire Apps
 - Other Useful Apps
- Sources



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Operating Systems

- New Technology
 - Ex: smart phones and tablets
- Operating Systems
 - iOS (Apple)
 - Android (Google)
 - Windows Phone
- How do I get the app?



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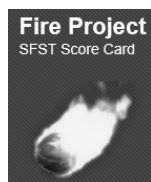
Prescribed Fire Apps

- Fire Project
- Firefighter Calculator
- Firefighter RH Calculator
- Forest Fire Danger Meter
- IRPG-NWCG / IRPG-Full Wildland Firefighter
- Wildfire Pro / Wildfire Info
- Wildland Fire Tools
- Wildland Toolkit

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Fire Project

- Features:
 - Determine an approx. size of a fire
 - Obtain & email map
 - Current weather conditions
 - GPS coordinates of the fire
- Availability: Android
- Cost: \$0.99



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Firefighter Calculator

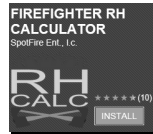
- Features:
 - Store nozzle settings
 - Determine # of tanker trucks needed for a job
 - Calculate flow rate needed to extinguish fires of various sizes with foam
 - Determine pump pressures for hose lays
- Availability: Android & Apple
- Cost: \$2.99



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Firefighter RH Calculator

- Features: Basic relative humidity calculator
 - Input air temperature, wet bulb temperature, elevation and click the button
 - Units need to be in fahrenheit and feet
- Availability: Android
- Cost: Free



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Forest Fire Danger Meter

- Features:
 - Calculates the Fire Danger Index (FDI) using basic weather data
 - Provides estimated flame height, rate of spread & spotting distance
- Availability: Android
- Cost: Free



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Simple FDI Calculator

- Features: Guide to predict the Fire Danger Index (FDI)
- Availability: Apple
- Cost: Free



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IRPG-NWCG/ IRPG-Full Wildland Firefighter

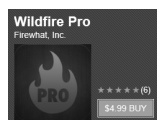
- Features: Reference of the Incident Response Pocket Guide
 - Standard Firefighting Orders
 - Protocols
 - First Aid
 - RH Calculator
 - And More!
- Availability: Android
- Cost: Free & \$1.87



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Wildfire Info / Wildfire Pro

- Features: Geared to get info into the hands of wildland firefighters prior to arriving on site
 - Fire incidents info from FireWhat.com
 - Fire perimeter mapping
 - Fire calculators
 - Quick reference guides - safety, weather, operations, and size up reports
 - Fire maps with custom overlays - severe weather warnings and NEXRAD radar
- Availability: Apple (Info) & Android (Pro)
- Cost: Free (Info) & \$4.99 (Pro)
- Info updated on a regular basis



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Wildland Fire Tools

- Features: Resource app
 - Fire Orders
 - Watchout Situations
 - Size Up
 - Briefing Checklist
 - IRPG
 - Fireline Handbook
 - Fireline Handbook App. B
 - Firescope FOG
 - Weather Links
- Availability: Android
- Cost: Free
- Download PDFs before going into the field!



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Wildland Toolkit

- Features: Reference Guide & Calculator
 - RH & Dewpoint
 - Fine Dead Fuel Moisture
 - Probability of Ignition
 - Flamelength
 - Rate of Spread
 - Scorch Height
 - Direction of Max Spread
 - Effective Wind Speed
- Availability: Apple
- Cost: \$5.99



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Other Useful Apps

- gn Toolkit
- ArcGIS
- EarthPlat FL



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gn Toolkit

- Features:
 - Hydraulics
 - Water Delivery
 - Incident Response Checklists
 - EMS Guide
 - Training / Study Guides
 - Hazmat Info
 - & More!
- Availability: Apple
- Cost: \$7.99



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ArcGIS

- Features:
 - Display Maps
 - Utilize your GPS location to find & search attributes around you
 - Measure distances and areas of interest
 - Collect & Edit data
 - Share maps with others
 - Can attach photos
 - Editing and sharing data depends on your set up with E.S.R.I. (e.g. subscription)
- Availability: Apple & Android
- Cost: Free



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EarthPlat FL

- Features:
 - Determine ownership of a property
 - View aerial imagery
 - Provides Parcel Details
 - Utilizes GPS to show nearby parcels to your location
- Availability: Apple & Android
- Cost: Free to download DEMO mode, but requires subscription to access entire app.



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Sources

- Baraoidan, S. 2012. Smartphone Applications for Landowners. Florida Land Steward, vol. 1, no. 3, Florida Cooperative Extension Service, IFAS, University of Florida. Gainesville, FL.
- Wilent, S. 2012. Webinar Examines the "New Formal" for Mobile GIS Software. The Forestry Source, vol. 17, no. 8, Society of American Foresters. Bethesda, MD.
- Apple "App Store"
- Android "Google Play" Store

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THANK YOU!

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