



Specialists in
Ecological & Wetland
Consulting

2011 ACI Annual Conference

www.madscientistassociates.net

MAD Scientist & Associates
LLC



Established in 1998

Mark A. Dilley
Founder and
Co-Owner

Chris S. Dilley
Co-Owner

www.madscientistassociates.net

MAD Scientist & Associates LLC



Technical Staff

Mark A. Dilley, M.S., P.W.S.

- Professional Wetland Scientist
- Certified Ecologist
- B.S. in Natural Resources, OSU
- M.S. in Environmental Science, OSU

Jennie Morgan, Ph.D., PWS

- Sr. Environmental Scientist
- Professional Wetland Scientist
- Ph.D. in Environmental Science, OSU

Lauren Harvey, M.S.

- Environmental Scientist
- Aquatic entomologist
- M.S. in Entomology, Clemson U.

www.madscientistassociates.net



Wetland & Ecological Services



- Determination/Delineation
- Assessment (ORAM)
- Permitting
- Mitigation Design
- Construction Oversight
- Monitoring
- Ecological Surveys
- Invasive Plant Management
- Public Education
- Pond Management



www.madscientistassociates.net



Making the Most of Your Smartphone in Outdoor Pursuits

OR

“Environmental Work – How iPhone It In!”

www.madscientistassociates.net



Introduction

What is an iPhone?

- A constant distraction
- A handy paperweight in many areas of the state, compliments of AT&T
- A supreme annoyance to all who do not own an iPhone but are constantly subjected to comments by iPhone owners about how great they are!
- A useful tool for a variety of field applications, that could save you from carrying ten pounds of equipment and books!

www.madscientistassociates.net

General Purposes



Planning

Communication and Safety

Navigation



Recording & Documentation (Data, Sound, Photos)

Reference Information Portal (or paperweight)

Entertainment (must...stay...focused!)

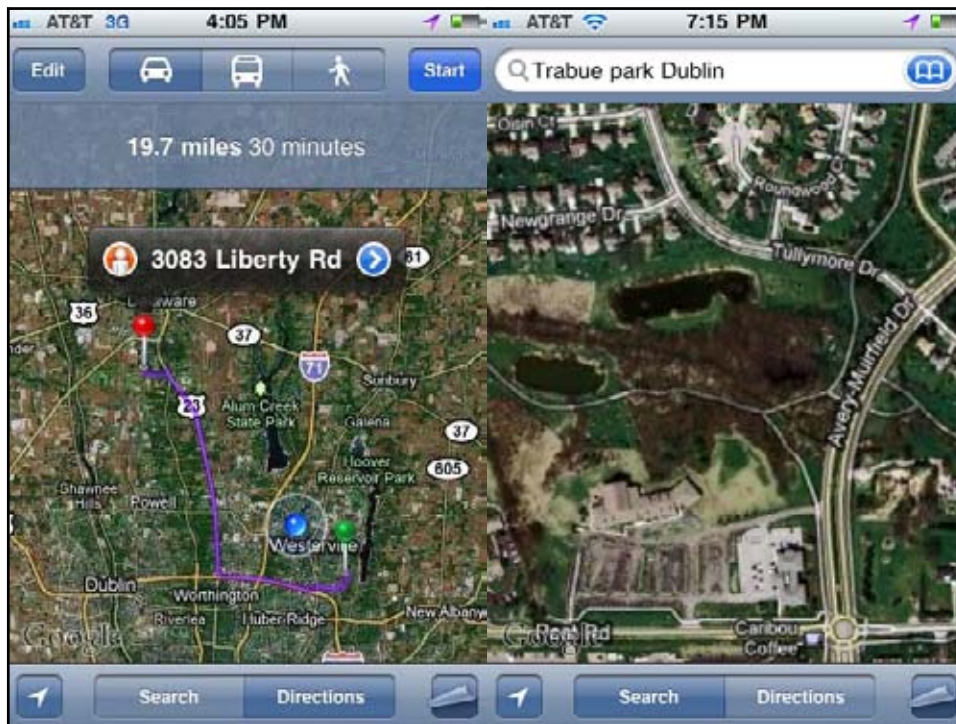
www.madscientistassociates.net

Planning



- **Site Directions**
- **Access Routes**
- **Weather Conditions**
 - **Temperature**
 - **Precipitation Levels & Forecasts**
 - **Wind Speed**
- **Sunset Times**
- **Moon Phases**

www.madscientistassociates.net

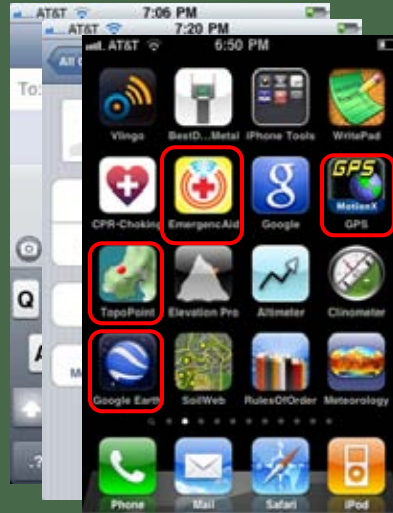


Communications & Safety



- E-mail,
- Text messages, and
- Oh, yeah: It's a phone!

- Location, navigation capabilities
- (Whimpy) Flashlight
- First Aid app



www.madscientistassociates.net

Navigation



- Route Tracking
- Location Marking
 - Vehicle Location
 - Other Reference Points
- Elevations



www.madscientistassociates.net

Recording & Documentation



- **Location Records**
 - Sample Locations
 - Monitoring and Photo Points
- **Time Keeping**
 - Timer
 - Stop Watch
- **Audio Recordings**
 - Voice Notes
 - Dictation
 - Sound Recordings

[Remind me to play sample!]



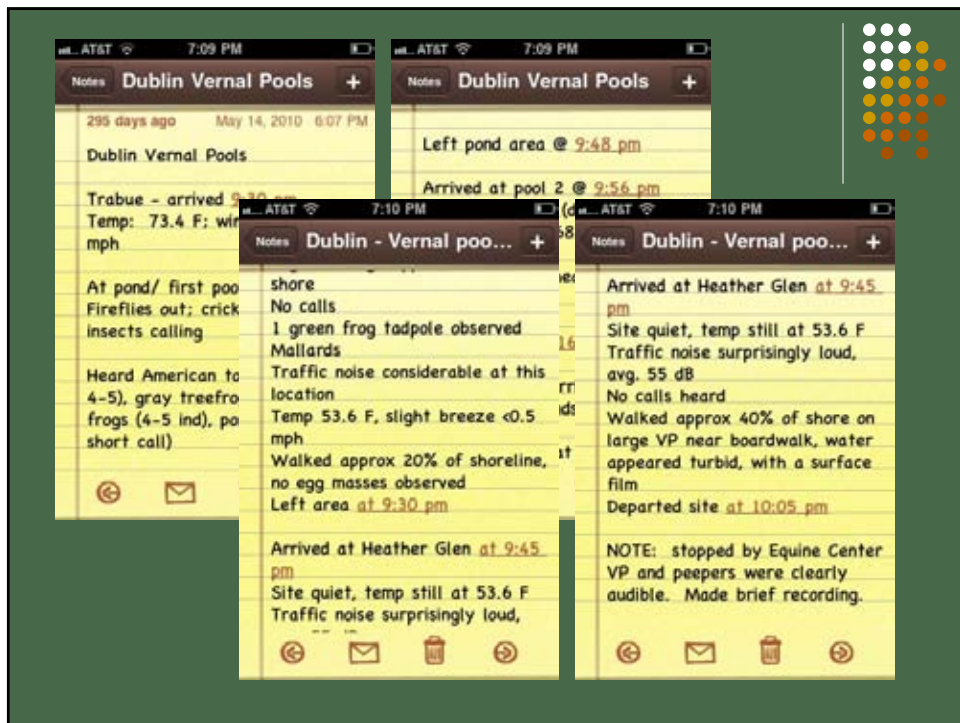
www.madscientistassociates.net

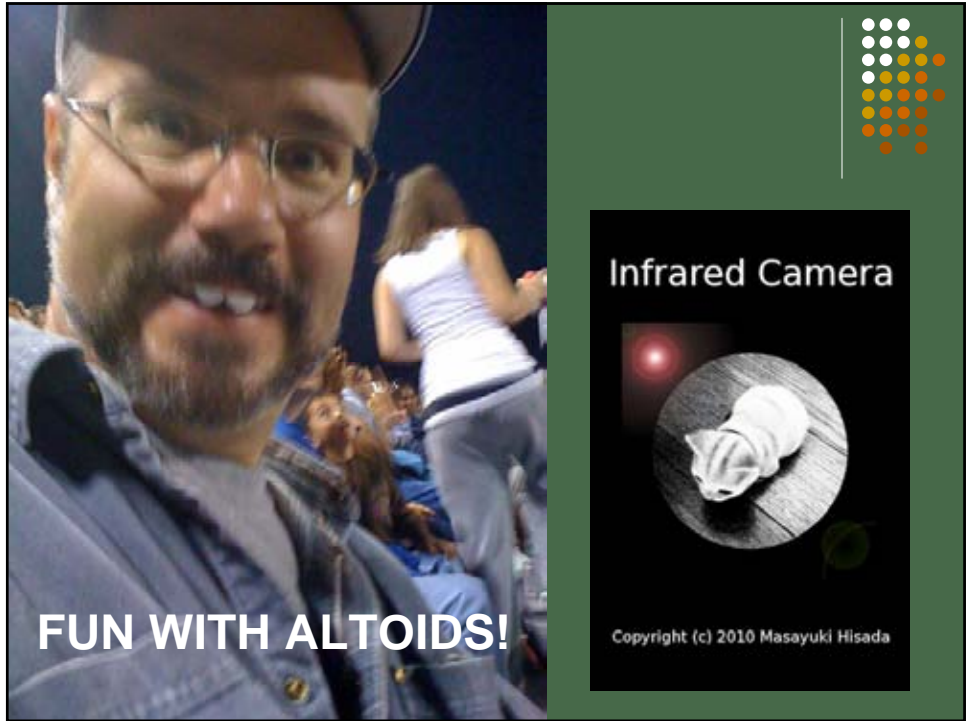
Recording & Documentation Cont'd



- **Amplitude App**
 - Audio Enhancement (OK, youngsters – go ahead and call it a hearing aid)
- **Notepad**
 - Ability to e-mail records
 - Electronic data ready for insertion into reports
- **Sketch Pad**
- **Camera**
- **Tally Counters**

www.madscientistassociates.net





Recording & Documentation Cont'd



- Other Tools
 - Temperature check
 - Wind speed
 - Decibel readings
 - Area mapper
 - Slope measurement



www.madscientistassociates.net

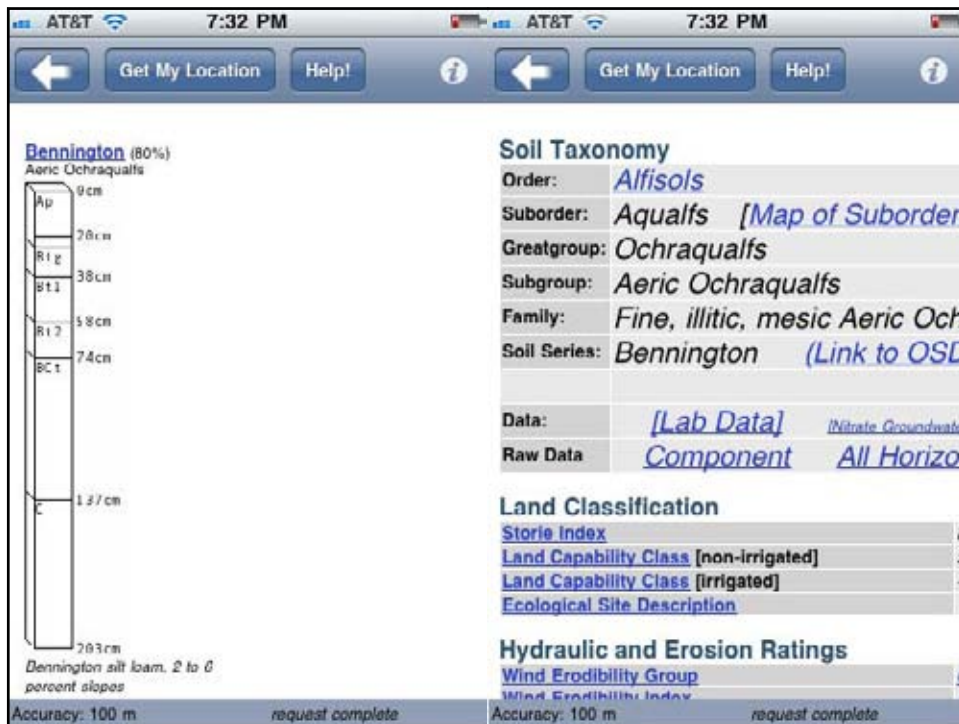
Reference Information Portal



- Web Access
- Guides
 - Audubon / Peterson Guides and more!
- Audio References
 - Calls of birds, frogs and toads, insects, etc. ripped to iPod
- Miscellaneous Cool Apps
 - SoilWeb (coolest thing ever! [next slide])



www.madscientistassociates.net



Reference Information Portal

- Other Nifty Apps
 - Digital caliper
 - Random number generators (serious science!)
 - AND...the app no nature enthusiast should go without!

www.madscientistassociates.net

The Anti-Mosquito App

Better than 99%
effective for:

- Indoor Applications
- November through March



www.madscientistassociates.net

Questions?

THERE'S AN APP FOR THAT!!

www.madscientistassociates.net

