

A blue background with a central water droplet creating ripples. The droplet is in the middle, and it has just hit the surface, creating a series of concentric ripples that spread outwards. The droplet itself is a vertical column of water with a rounded top and a small splash at the bottom. The ripples are concentric circles that get smaller as they move away from the center. The background is a solid, deep blue color.

# Developing and Implementing Best Management Practices for Sports Field Water Conservation

Kenny Pauley  
Kent Dickerson

# Old Sanford Stadium Irrigation

- Nelson Big Gun
  - 1200 GPM
  - Imperfect Coverage
  - 3 Million Gallons a year

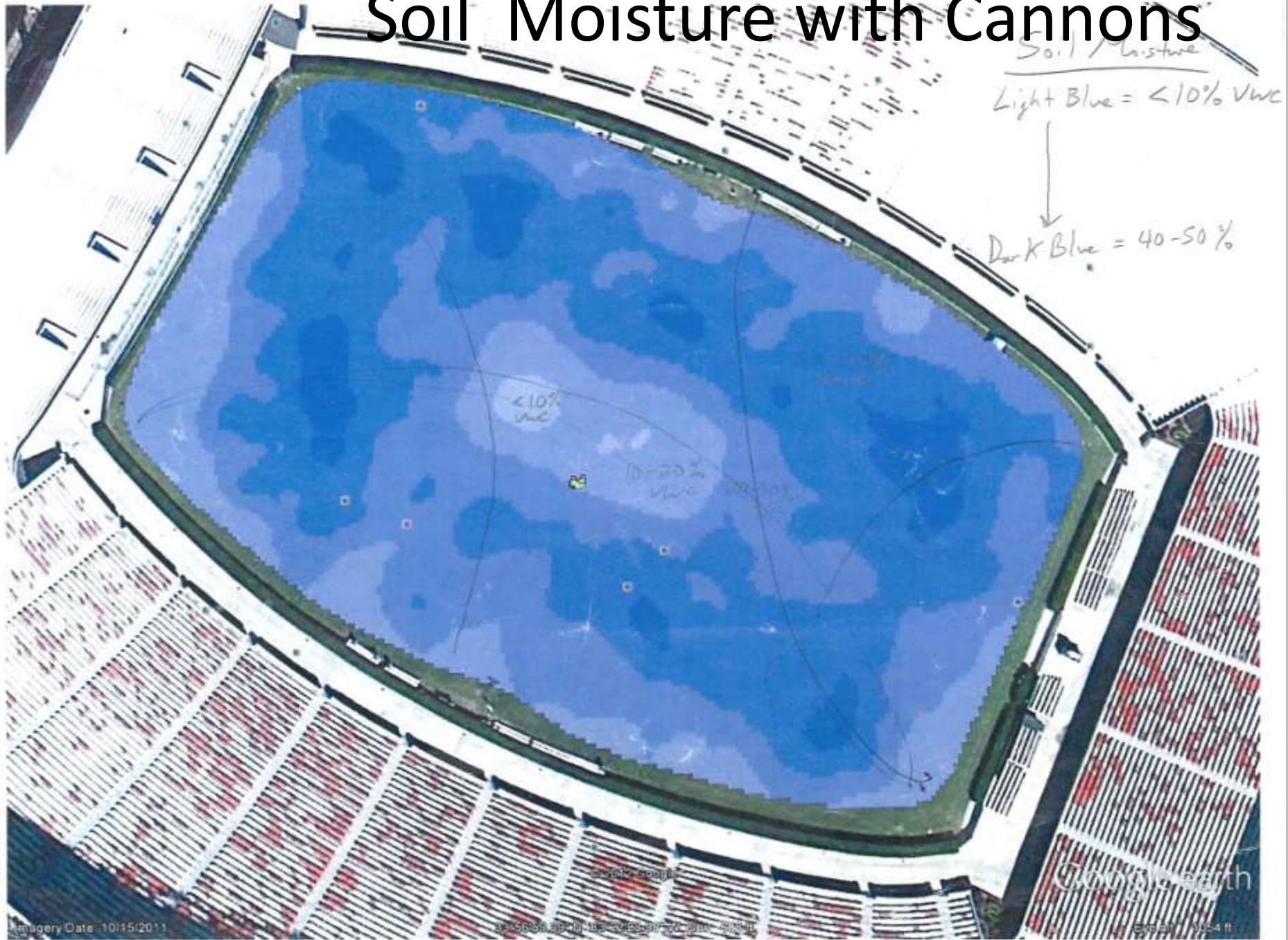








# Soil Moisture with Cannons





# Turfgrass Vigor

Turfgrass Vigor

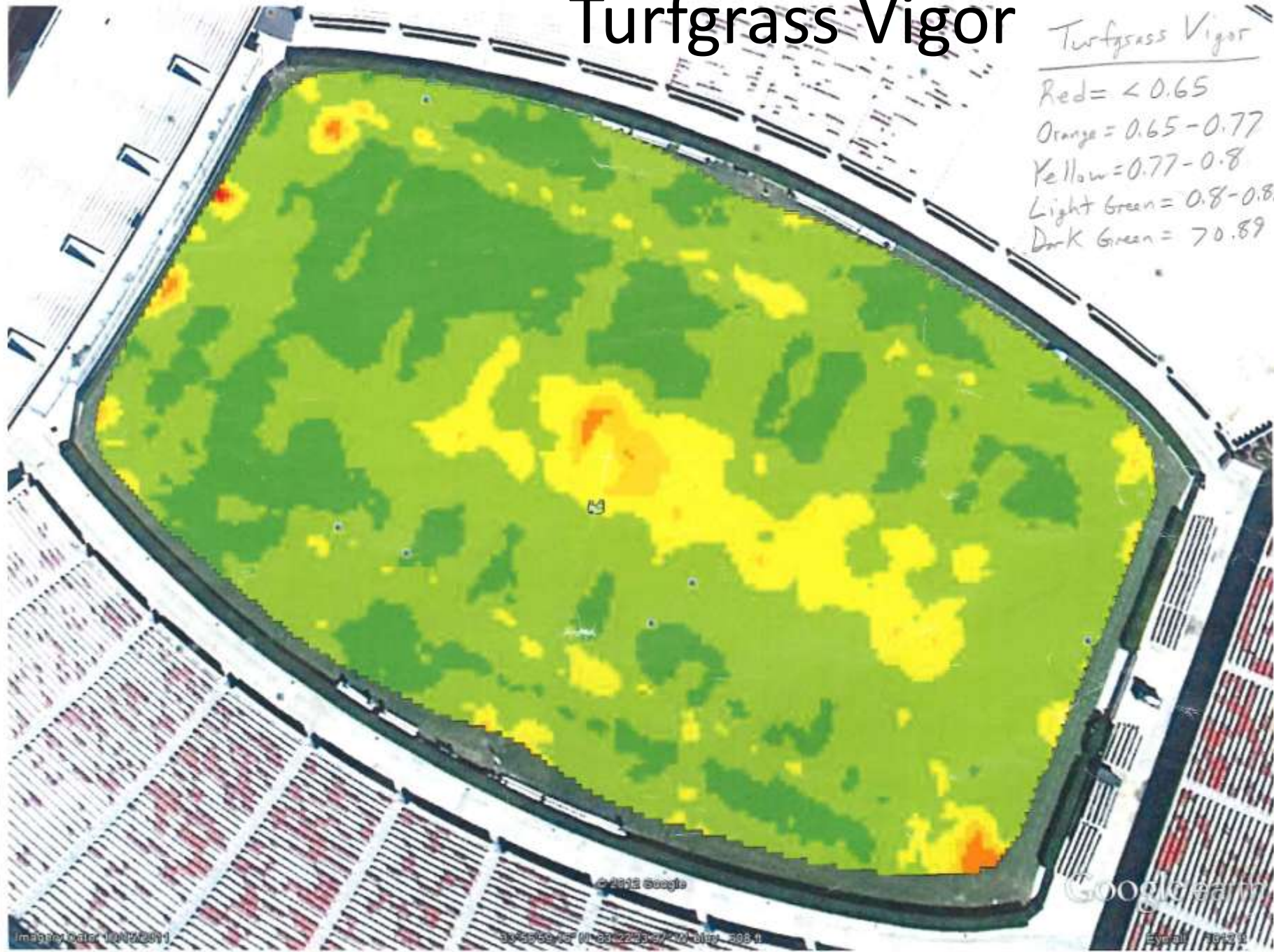
Red =  $< 0.65$

Orange =  $0.65 - 0.77$

Yellow =  $0.77 - 0.8$

Light Green =  $0.8 - 0.89$

Dark Green =  $> 0.89$



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Imagery Date: 10/19/2011

39°55'59.75" N 101°22'33.67" W Alt: 205 ft

April 19 2012

# New Sanford Stadium Irrigation

- Toro Sentinel System
- UgMO Soil Moisture Sensors



# New Sanford Stadium Irrigation

- Toro 640
  - 25 GPM
  - More Efficient Coverage
  - Saves 1.5 Million Gallons





# Sanford Stadium Cultural Practices

- No Over-seeding
- Paint Grass





# Sanford Stadium Cultural Practices

- Emerald Field & Fairway between the hashes



# Soccer/Softball Complex

- Replaced cannons with Toro T7's
- Use a well with a retention pond as back-up
- No longer over-seed soccer fields





# Practice Football Field

- Irrigated with well water
- 144,000 gallon cistern under field for backup
- UgMO moisture sensors



# Baseball

- Irrigated with well water

