

# Collector App for Wildland Firefighting



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# Collector App....*What is it?*

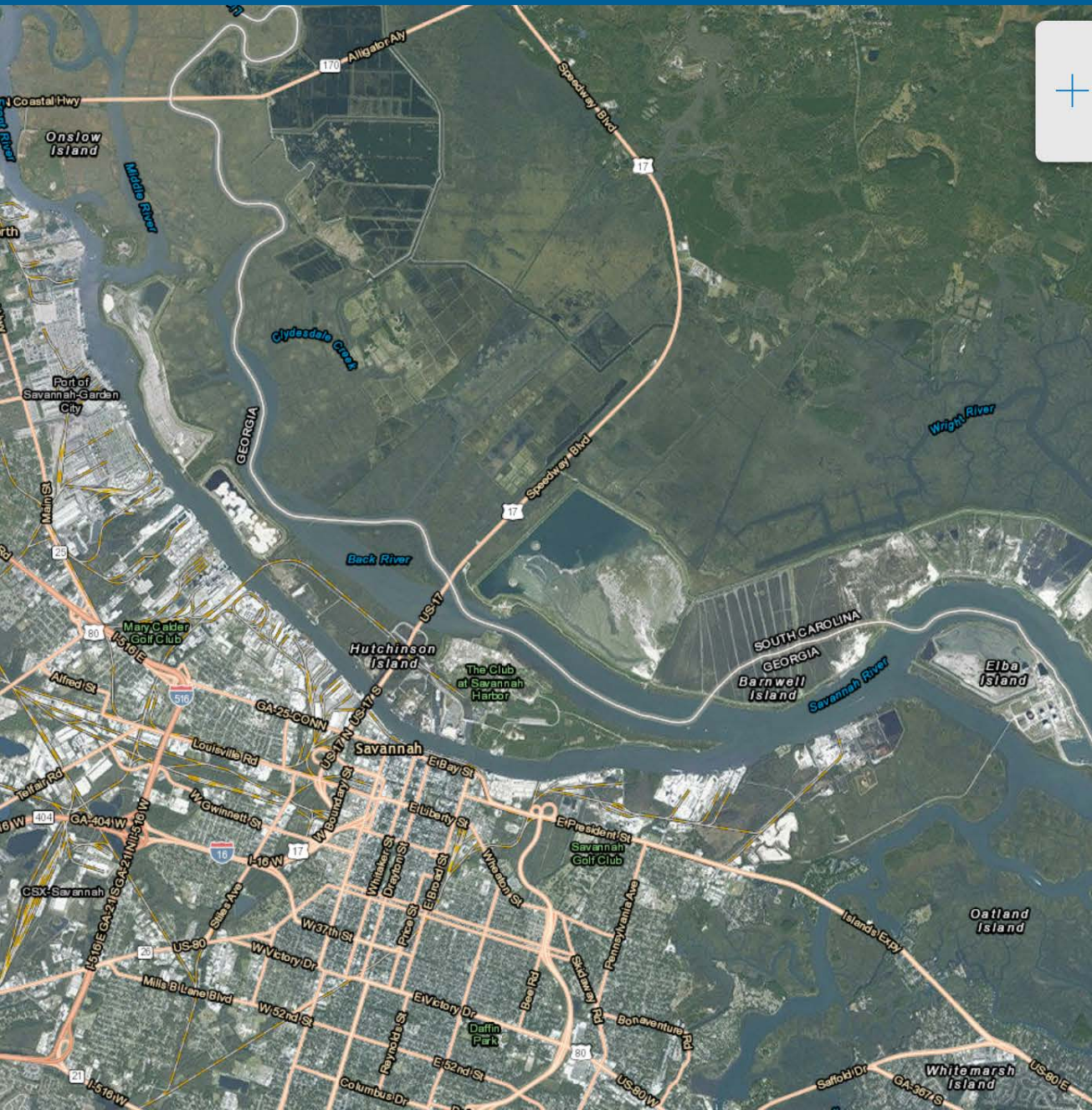
- ***Geographic Information System (GIS) - Based Mapping Application used on mobile devices***
- ***User friendly with minimal training required for proficiency***
- ***Key component to developing common operating picture for incident management personnel***











# Applications

- ***Provides near real time wildfire information to incident personnel***
  - On scene control
  - Off site coordination
- ***Visually communicates strategic and tactical direction***
- ***Post-fire damage assessment***
- ***Fire reporting information***









Wildfire IA Data - FireLineConstruction

-  Completed Hand Line
-  Road as Completed Line
-  Natural Feature as Completed Line
-  Active Fire Edge
-  Planned Line
-  Burn Out Line
-  Explosives Line
-  Other

Wildfire IA Data - FirePerimPoly

-  FirePerimPoly

Wildfire IA Data - FirePoints

-  Staging Area
-  Sling Site
-  Aerial Hazard
-  Spot Fire

# Impacts

- ***Enhanced Firefighter and Public Safety***
- ***Quicker Identification of Values at Risks***
- ***Reduction of Impacts on Natural Resources***
- ***Increased Efficiency of Fire Suppression***

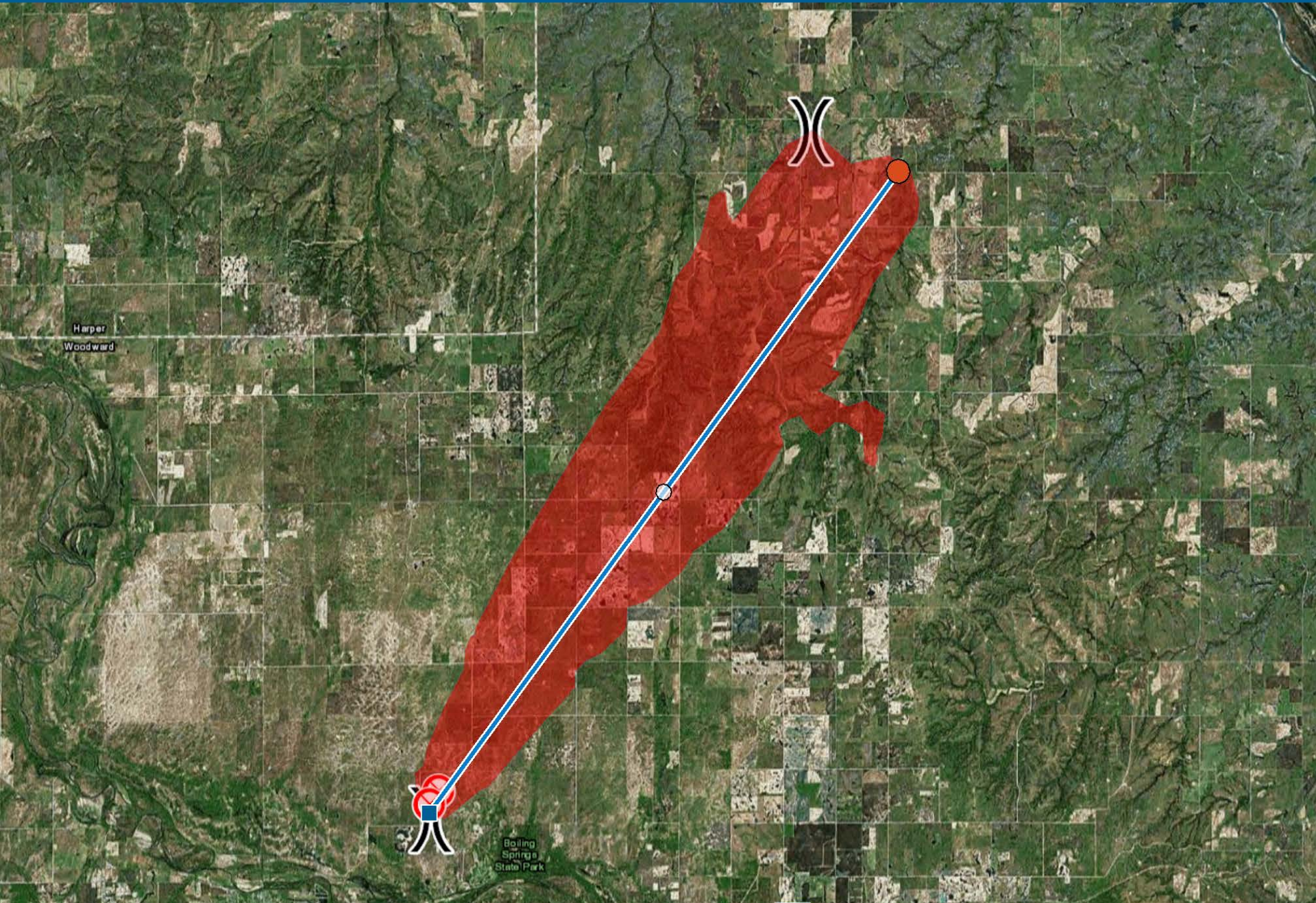




14.88 miles



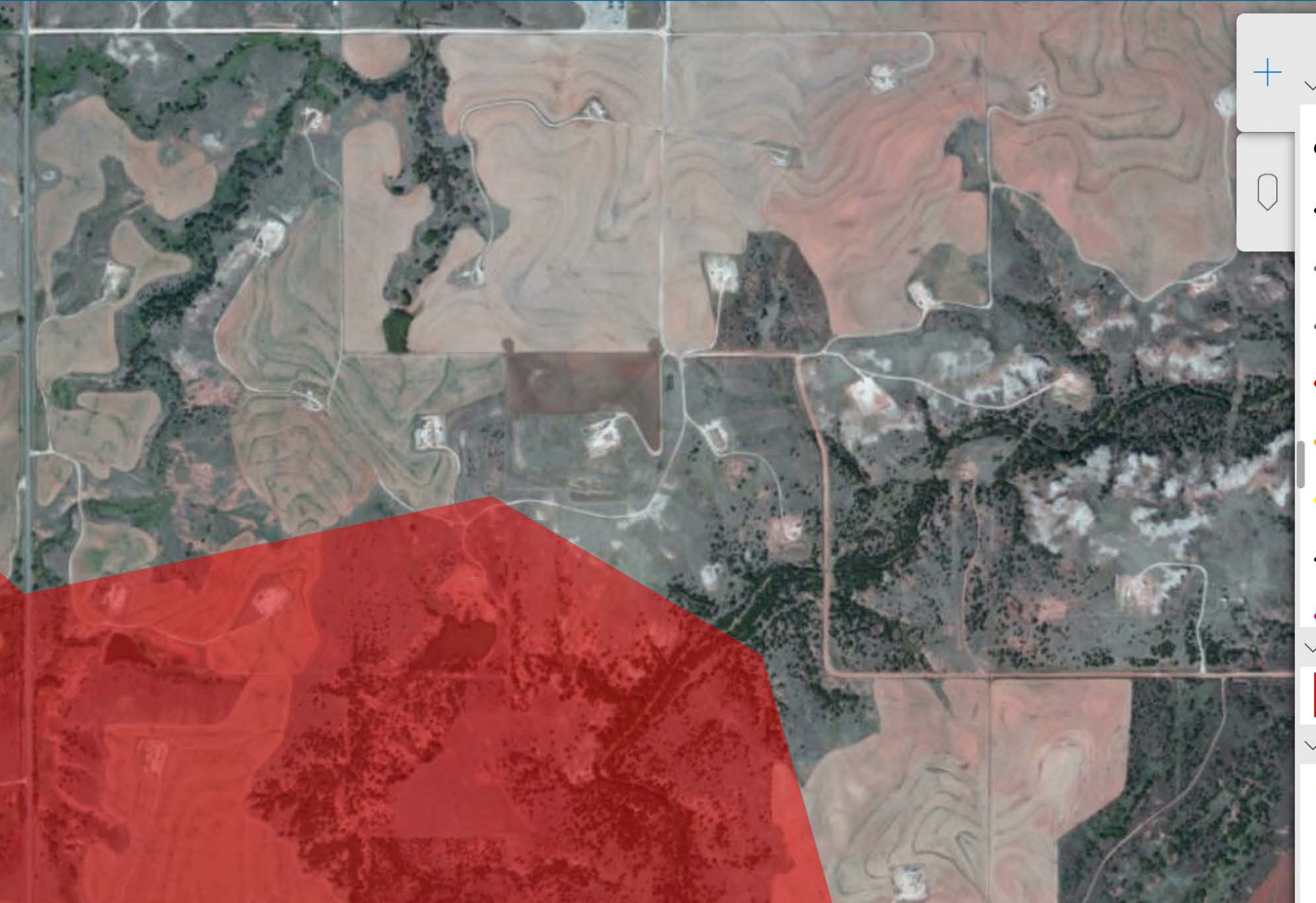
Done



Harper  
Woodward

Boiling  
Springs  
State Park

Maps



Map navigation controls including a zoom in (+) button, a zoom out (-) button, and a map style selection icon.

# Transferability

- ***Oklahoma Forestry Services (OFS)***
  - **Forest Management**
  - **Forest Health**
  - **Urban Forestry**
- ***Oklahoma Department of Agriculture***
- ***State of Oklahoma***
- ***Other states***
- ***National Interagency Fire Center***





What is the first name?

What is the last name?

What is the address?

What is the city?

What is the State?

What is the zip?

Do you have any animals / pets?

Yes

No

What type of animals?

Swine

Birds

Poultry

Other



# Effectiveness

- ***Develop and Communicate Situational Awareness***
- ***Rapid Organization and Deployment of Fire Suppression Resources***
- ***Clearly Communicate and Employ Tactics***



# Summary

***ESRI's Collector App is revolutionizing initial attack on wildfires in Oklahoma. Firefighter and public safety is the primary objective on every wildfire. By enhancing verbal and visual communication, Collector allows wildland fire managers to meet this objective.***

