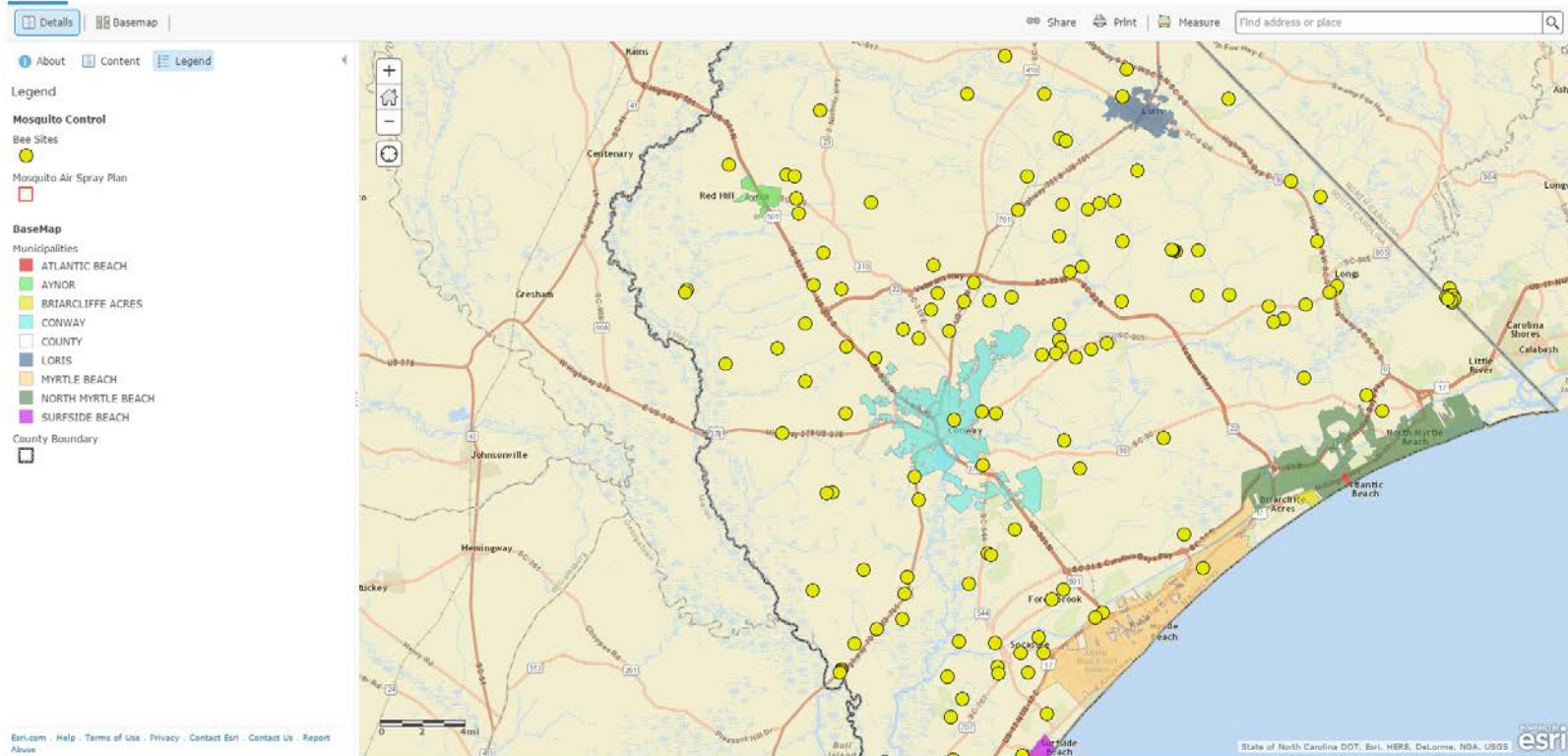


# Effective Vector-Borne Control & Surveillance

Developing a Vector Control Strategy with GIS





# A Smarter Approach to Vector Control

## Proactive Prevention

The work of public works departments and mosquito abatement districts is critical to protecting public health, the environment, and the community at large. These organizations aim to control cost while increasing operational efficiency and field productivity. Do you have a location-based strategy in your Integrated Mosquito Management Program (IMMP)?

## Transform the Way You Work

Today's vector control professionals use geographic information system (GIS) technology to meet the challenges of planning for, carrying out, and analyzing the effects of vector control. Leveraging the Esri® ArcGIS® platform results in effective planning and analysis, efficient coordination with field operations, precision targeting and spraying, cost savings, and improved communication with the public. For these reasons, organizations use Esri solutions to strengthen their vector management operations.

## Empower Field Crews, Decision Makers, and the Public

Public works officials recognize vector management as a series of connected functions and workloads. Connecting field crews to the back office will help ensure precision spraying and curb future disease outbreaks. Connecting the public with your efforts will increase awareness and protect at-risk populations. With ArcGIS, all of these workflows become integrated, and stakeholders can collaborate to create a unified front while controlling costs.

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# ArcGIS: Driving Efficient Response and Mitigation

## Understanding How GIS Addresses the Prevention, Surveillance, and Control of Vector-Borne Disease

With the ArcGIS platform, you can build the integrated vector management strategy that best suits your needs. Whether you're looking to assign service requests, manage treatment planning, or monitor the current locations of field crews in real time, you'll find a suite of tools and applications to help you get the job done. Empower stakeholders to proactively protect the community. Effective vector control starts with analysis and source reduction. Ensure that your organization has the tools it needs to plan, manage, and respond.



### GIS for Public Works and Vector Control

- Increase field crew efficiency
- Monitor operations in real time
- Ensure precision spraying
- Effectively target areas based on historical and environmental data
- Increase communication within your organization and with the public
- Monitor incoming complaints from citizens
- Visualize service requests, hot spots, and service results
- Collect aerial and ground spraying data
- Monitor treatment areas for efficacy



Understanding our world.

Esri inspires and enables people to positively impact their future through a deeper, geographic understanding of the changing world around them.

Governments, industry leaders, academics, and nongovernmental organizations trust us to connect them with the analytic knowledge they need to make the critical decisions that shape the planet. For more than 40 years, Esri has cultivated collaborative relationships with partners who share our commitment to solving earth's most pressing challenges with geographic expertise and rational resolve. Today, we believe that geography is at the heart of a more resilient and sustainable future. Creating responsible products and solutions drives our passion for improving quality of life everywhere.



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