



# **Fogging Notification Update**

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## Where are you fogging tonight?

- It's a common question heard by mosquito control professionals, "Where are you fogging tonight", "When are you going to spray my neighborhood?".
- In 2022, Norfolk Vector Control decided to implement a new method for notifying citizens of our mosquito fogging operations.



# Mosquito Fogging Hotline

- For years (decades?) Norfolk has relied on a mosquito fogging hotline phone number to inform citizens of where we will be spraying.
- Originally the message was recorded on an answering machine by the Environmental Health Manager.
- Once the health department upgraded to VoIP, the voicemail message was recorded by the Business Manager
- The hotline number was published in Vector Control pamphlets as well as on the City of Norfolk's website.

2/16/2023

# Fight the Bite

**DRAIN** any standing water that may produce mosquitoes.



**DEFEND** yourself against mosquitoes by using an effective insect repellent such as DEET, Picardin or Oil of Lemon Eucalyptus. Make sure you follow label directions.

**CONTACT** us for help. We are here to assist you. Call us at (757) 683-2840, or visit us online at: [http://www.norfolk.gov/pub\\_health](http://www.norfolk.gov/pub_health)



Vector Control Division  
2800 Tarrant St.  
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**Mosquito Fogging Hotline:**  
**(757) 683-2914**

## Mosquito Fogging Hotline

- **Problems:**
  - No in-house control over the voicemail message
  - Message wasn't always updated
  - Phone number was reassigned to another employee at the health department
  - Difficult to convey the areas we were planning to fog using undefined neighborhood names
  - Citizens need to call the number everyday to stay informed

2 / 1 6 / 2 0 2 3

# Replacing the hotline

- We wanted to replace the phone message with a map to better inform residents of our fogging operations.
- Be able to show exactly where fogging was scheduled to take place.
- We wanted control over the updates
- Coincided with a complete overhaul of the Vector Control webpage as part of the City of Norfolk's website
- Decided to use AGOL Webapp builder to create a solution

# Updated Operations Map

- In the past, Vector Control had used a variety of methods to assign work areas and fogging operations: Planning Districts, “Neighborhoods”, and xeroxed road maps. It was difficult and time consuming and the boundaries were either unsuitable for our needs or hard to define.
- In 2019 I created a new operations map of Norfolk comprised of 170 “treatment blocks”.
- Blocks were drawn based on natural and man-made barriers
- Multiple blocks can be bundled together to make one fog run
- Blocks are also used for storm drain treatment tracking and other activities

2/16/2023



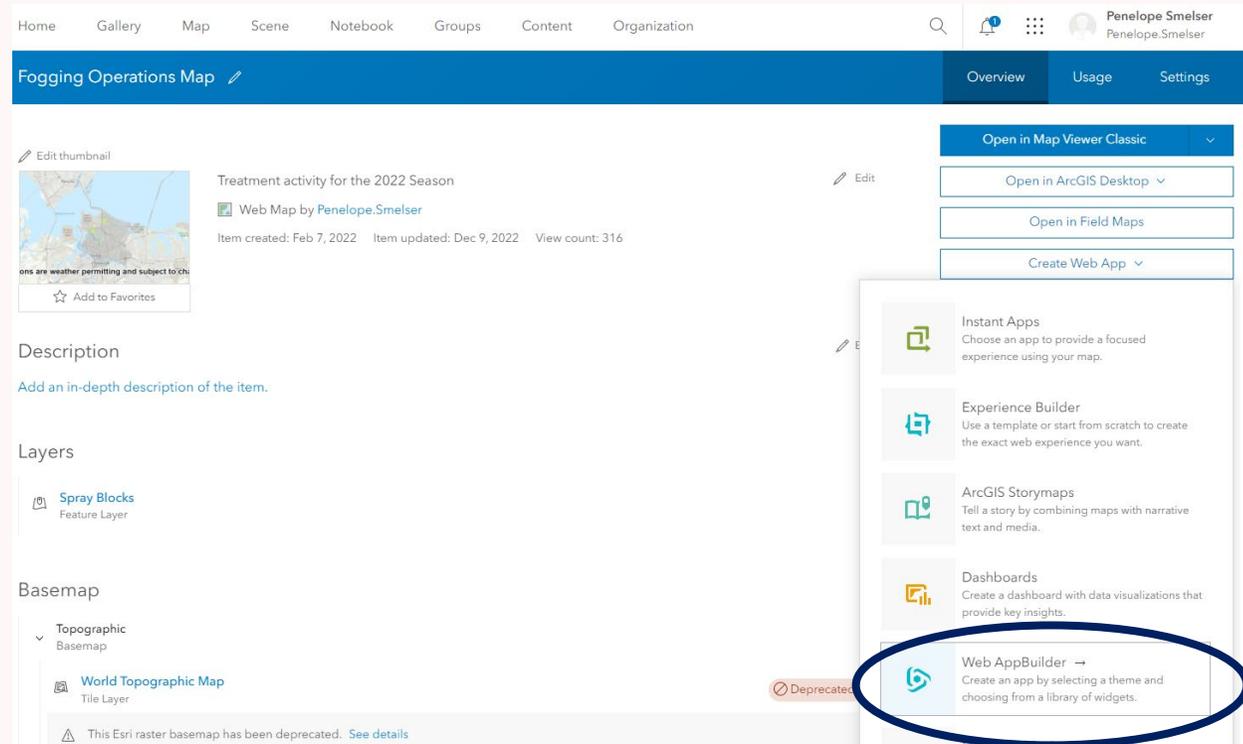
# Updated Operations Map

- Each block has clearly defined borders and is named after the dominate neighborhood contained in it.

2/16/2023

# ArcGIS WebApp Builder

- Create a web map in Arc GIS Online (AGOL) using the treatment blocks map layer
- Designated only 3 attributes for each block:
  - Name
  - ULV Date
  - Fogging Schedule
- Use AGOL Web App Builder to create an interactive, searchable Web app for website users.



Theme Map Widget Attribute

Billboard Theme Box Theme Dart Theme

Foldable Theme Dashboard Theme Launchpad Theme

Jewelry Box Theme Plateau Theme Tab Theme

Pocket Theme

Style

#00366c

Layout

Launch | Previews | Saved

### Vector Control ULV Fogging

Fogging operations are weather permitting and subject to change without notice.

Find address or place

1 2 3 4

Hampton Roads Willoughby Bay Navy Station Norfolk Norfolk International Terminals US Navy Craney Island Old Dominion University Portsmouth Norfolk (City) Norfolk Portsmouth Norfolk Naval Shipyard (NNSY) NS Norfolk Greenbrier Industrial City of Virginia Beach, VITA

### Legend

Spray Blocks

- Not Currently Scheduled
- Scheduled to be sprayed tonight

Home Gallery Map Scene Notebook Groups Content Organization Penelope Smelser

Spray Blocks Overview Data Visualization Usage Settings

Table Fields

Double-click a value in the table to change it. Data updated: Dec 9, 2022, 2:11 PM

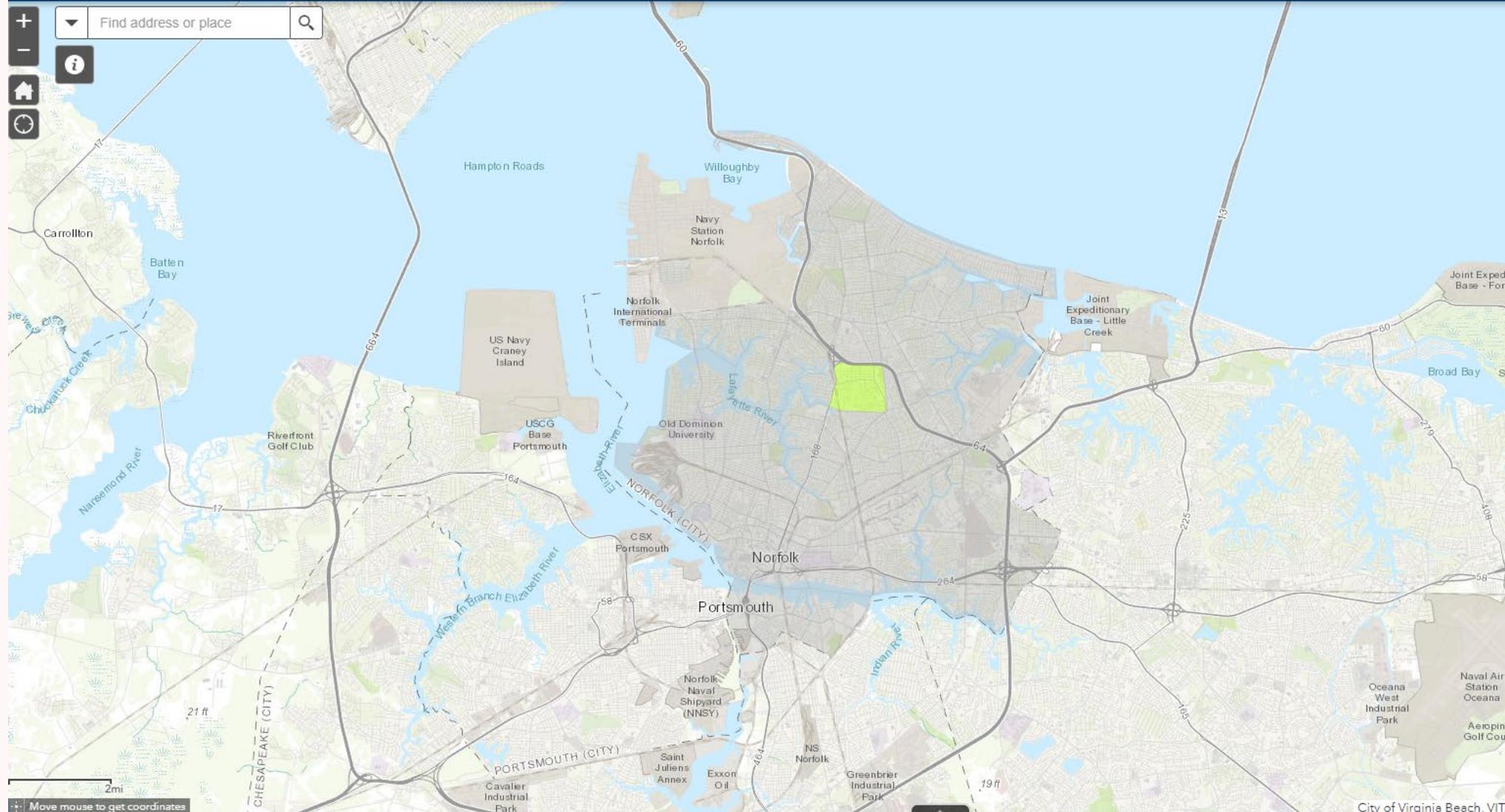
Spray Blocks (Features: 172, Selected: 1)

Name	ULV Date	Fogging Schedule
Willoughby Terrace		Not Currently Scheduled
Willoughby		Not Currently Scheduled
Merrimack Park		Not Currently Scheduled
Northside Middle		Not Currently Scheduled
Commodore Park		Not Currently Scheduled
Pamlico		Previously Sprayed
Ocean View Golf Course		Scheduled to be sprayed tonight
Forest Lawn Cemetery		Not Currently Scheduled
Sheppard		Not Currently Scheduled
Sewells Gardens		Not Currently Scheduled
Roland Park		Not Currently Scheduled
Coronado		Not Currently Scheduled
Norview High School		Not Currently Scheduled
Denison		Not Currently Scheduled

Easily update map by changing Fogging Schedule from “Not currently scheduled” to “Scheduled to be sprayed tonight”



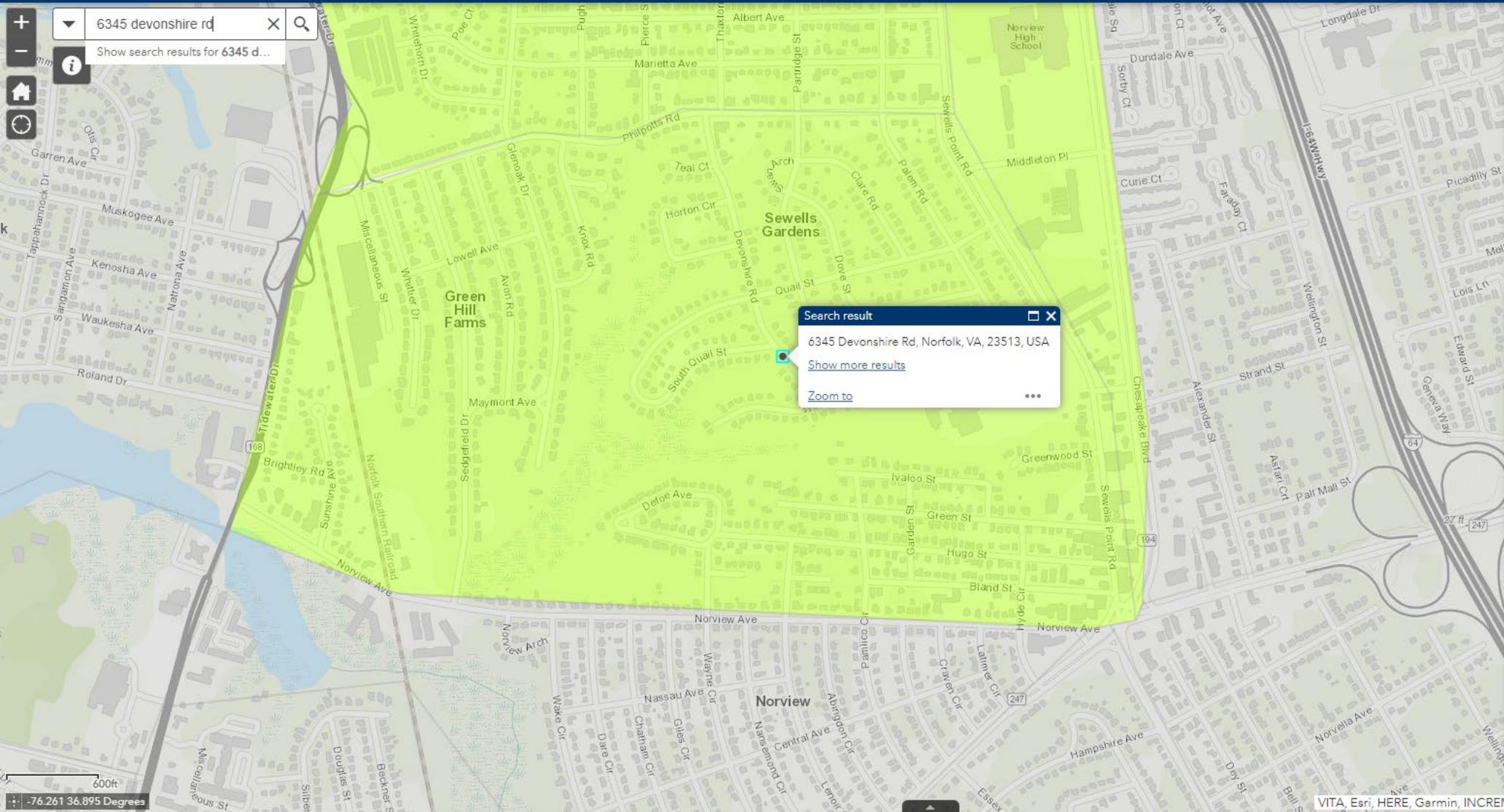
Find address or place



Legend

- Not Currently Scheduled
- Scheduled to be sprayed tonight

Move mouse to get coordinates



Legend

- Not Currently Scheduled
- Scheduled to be sprayed tonight

# Update City of Norfolk Website

- Existing need to update Vector Control page of the City of Norfolk Website
- Used opportunity to direct visitors to our new fogging schedule map
- Requested and was granted permission by City GIS to make map accessible to the public
- Link takes users to our interactive WebApp where they can see what areas are scheduled to be sprayed as well as do an address search to see if they fall within that fogging area.
- Map went live in late September.

2/16/2023 • Hotline remains active, permanent message will be recorded directed callers to the website.

**Thank you.  
Any questions or  
suggestions are  
welcome!**

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<https://www.norfolk.gov/170/Vector-Control>

