

NOVA DRT

Northern Virginia's Damage Reporting Tool



Background

- i Northern Virginia (NOVA)
 - § 4 counties
 - § 5 Independent Cities
 - § 1,394,180 sq miles
 - § 1,182.57 residents

Challenges

i State Level

- § Where do we need to start sending resources?
- § Should we start looking to request a Federal declaration?

i Local Level

- § How bad is bad?
- § Where should we focus our damage assessment?

Solution

- i Develop a tool that can show damage to the community as it happens.
- i Let residents become part of the solution.
- i Provide a means for the State to see what local government sees at the same time.

Background

- i Damage Report Tool (DRT)
 - § Grant funded
 - § Selection made:



Background

- i GIS Infrastructure
 - § Not available in house
 - § Hosting

Requirements

- | NOVA DRT Landing Page and domain
- | Apps for iOS and Android and WEB Damage Reporting
- | Web based reports for Emergency Managers

Landing Page

[Emergency Management Branch](#)

NOVA DRT

Northern Virginia Damage Report Tool

Welcome to the Northern Virginia Damage Reporting Tool. This tool was developed to assist local government with identifying areas that have been impacted by an emergency or disaster event. It will aid in identifying where resources need to be deployed by both local and state government. It is not designed to act as a means to ask for a response by public safety agencies such as Police, Fire or Emergency Medical. Please dial 9-1-1 if you have an emergency that requires these agencies.

Please take some time to familiarize yourself in the features of this application so that in the time of need you will be adept at providing the information requested. Use of this application will assist local government in getting assistance quicker and where needed. Thank you for downloading the NOVA DRT!

Use NOVA DRT to report damage now!

This website and the NOVA DRT apps were developed with a grant to Northern Virginia, with project oversight provided by the City of Fairfax Office of Emergency Management on behalf of Northern Virginia emergency management organizations and partners.

This website and the NOVA DRT apps were prepared under a grant from FEMA's Grant Programs Directorate, U.S. Department of Homeland Security. Points of view or opinions expressed in this document are those of the authors and do not necessarily represent the official position or policies of FEMA's Grant Programs Directorate or the U.S. Department of Homeland Security.

NOVA DRT Partners

NOVA DRT is available for immediate download at the following smartphone markets:

ANDROID APP ON Google play

Available on the App Store

The Tool

- i Esri's Javascript API
- i Wrapped for deployments into 'app stores'

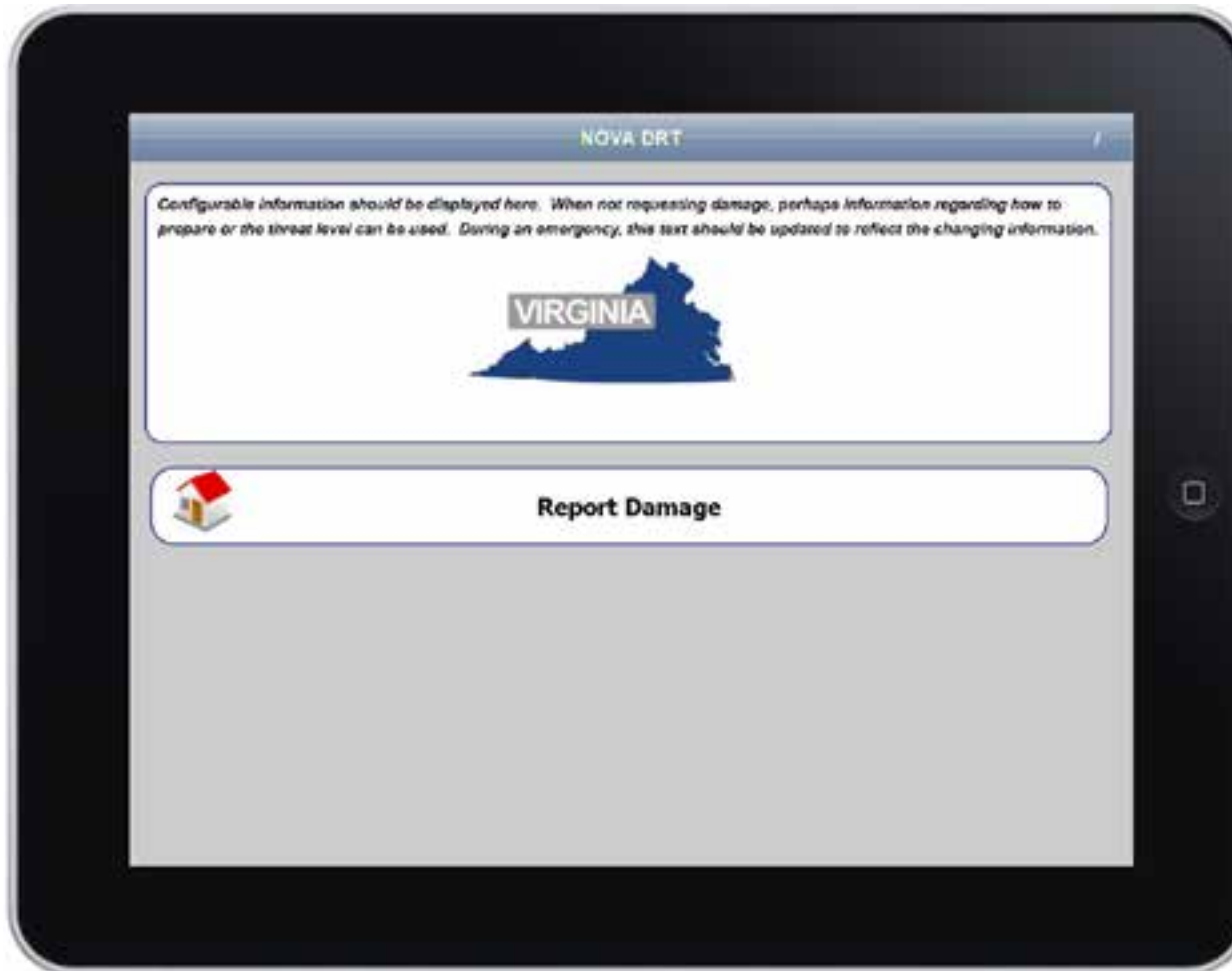
NOVA DRT – Android

Page 1



NOVA DRT – iOS

Page 1



NOVA DRT

Page 2



NOVA DRT

Page 3



The image shows a tablet displaying the NOVA DRT application interface. The screen has a light gray background and a dark blue header bar at the top with the text "NOVA DRT". Below the header, there are five input fields arranged vertically. The first three fields are white with rounded corners and contain the text "Set location", "Set flood level", and "Set damage level" respectively. The fourth field is also white with rounded corners and contains the text "Add picture". The fifth field is a solid orange button with rounded corners and contains the text "Submit". The tablet is shown from a slightly angled perspective, and the home button is visible on the right side of the device.

NOVA DRT

Page 4



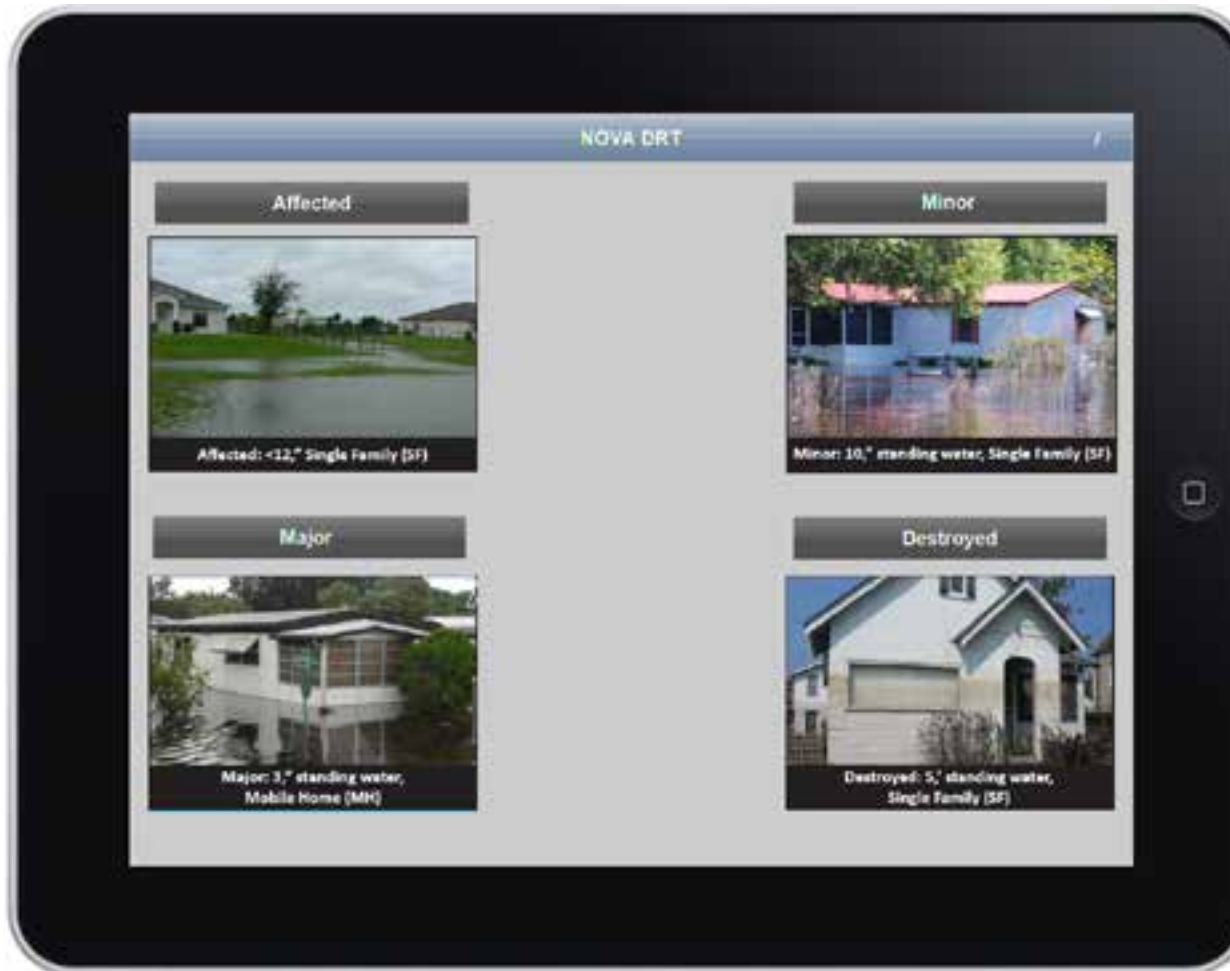
NOVA DRT – Damage Level

Page 5



NOVA DRT – Flood Level

Page 6



NOVA DRT – Add Picture

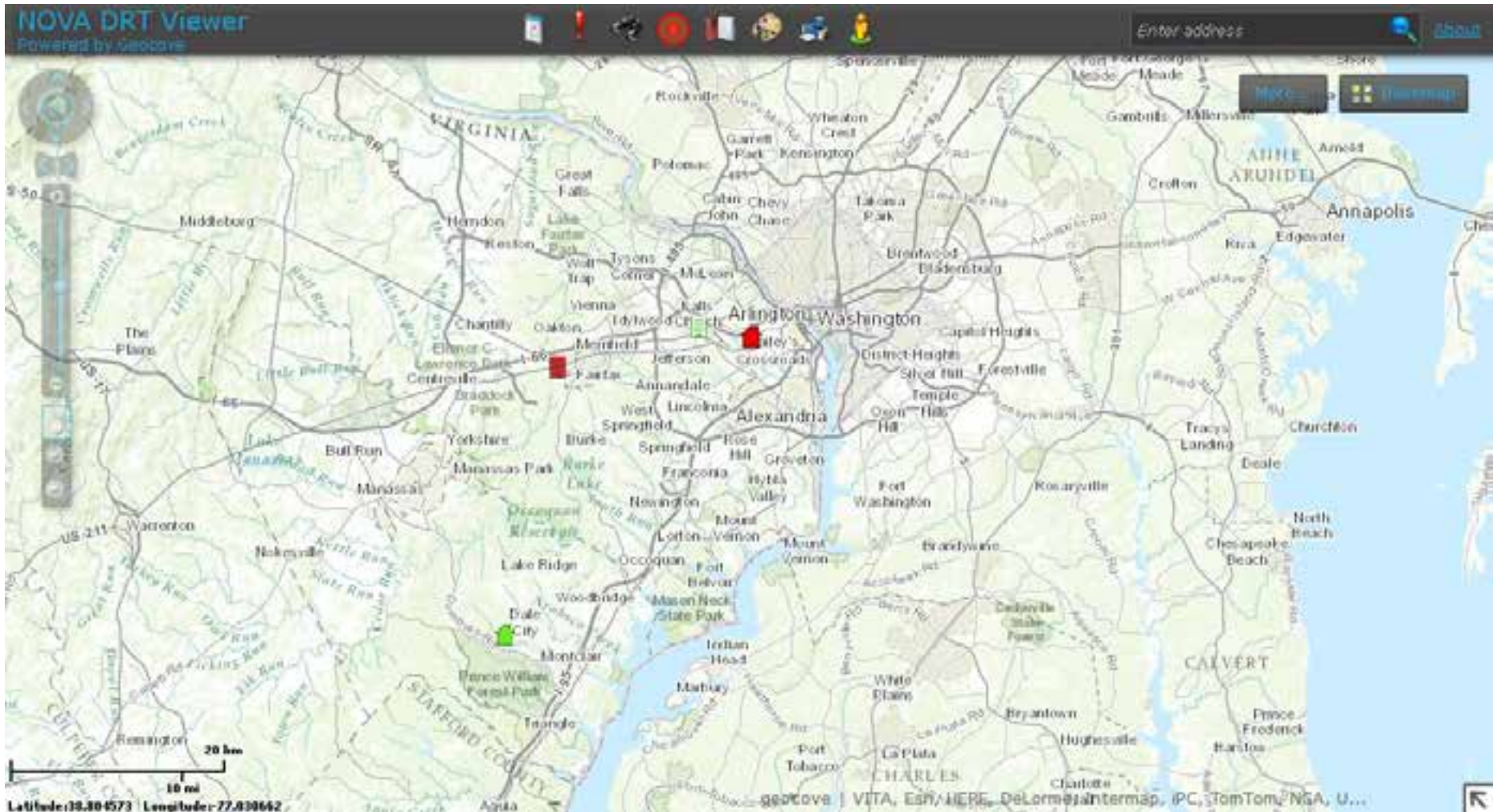
Page 7



Reports

- i Uses ArcGIS Online
 - § Group for Admin
 - § Group for EMs
- i Map of damages reported
 - § Colored by damage level
- i Reports can be created for specific community

EM Map



EM Reports



NOVA DRT Reports

> Reports

Select a Directory

ARLINGTON COUNTY

CITY OF ALEXANDRIA

CITY OF FAIRFAX

CITY OF FALLS CHURCH

LOUDOUN COUNTY

PRINCE WILLIAM COUNTY

SPRINGFIELD COUNTY

> Reports

You are currently viewing: Reports

All IDA Business Detailed - All Damage

All IDA Residential Detailed - All Damage

All Summary Report



© Geocode Inc. 2013. All Rights Reserved.

Lessons Learned

- i Have a disaster
- i Have a server
- i Marketing / Deployment Plan

Contact

i Ken Rudnicki

§ ken.rudnicki@fairfaxva.gov

§ 703.385.4856

i Karyn Tareen (Geocove)

§ ktareen@geocove.com

§ 407.210.3925 x 11