Welcome - Open House
New Castle County Flood Studies

May 23, 2017
New Castle, DE

RiskMAP
Increasing Resilience Together

Thank you for attending

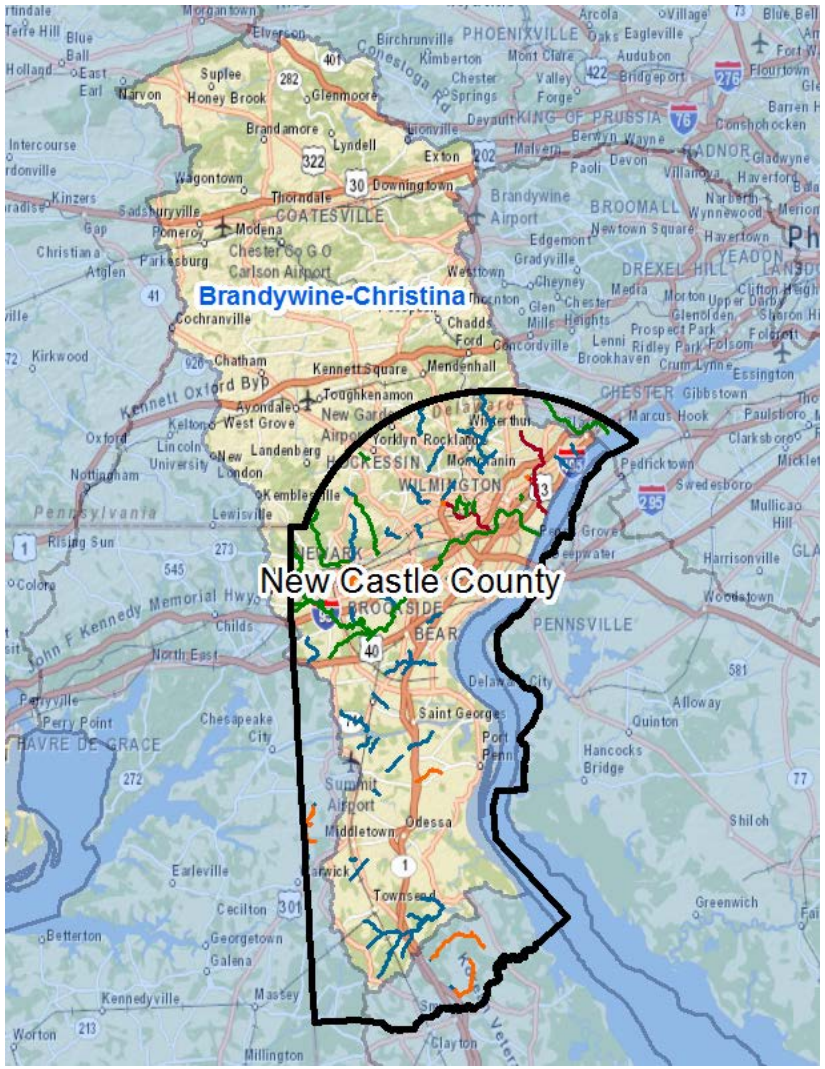
This presentation lasts about 4 minutes

After watching it please let staff know if you have any questions and consider visiting our “stations”

- Floodplain Mapping Station
- Floodplain Map Appeals and Comments
- Local and Community Staff
- Flood Insurance

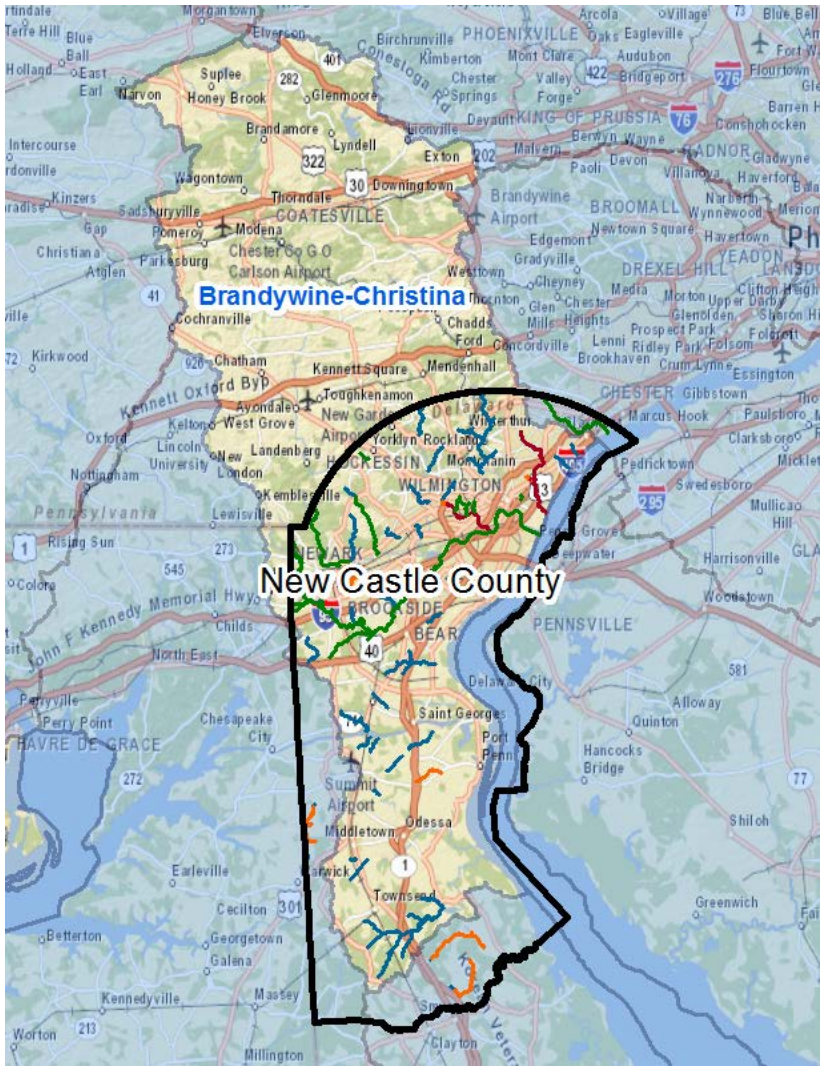
Project Extents

- **Full Study includes :**
  - Brandywine-Christina Watershed AND
  - Additional New Castle County reaches
- **This meeting is focused on New Castle County and Incorporated Areas**



Why was this study done?

- Most of the floodplain studies for these streams were obsolete
- Significant floodplain accuracy issues for residents in these areas
- Expensive surveys by residents to pursue map changes
- We believe these proposed maps will lessen many of these impacts and depict flood risk more accurately



Milestones / Timeline

Discovery Report released March 30, 2012

Project Kick-off May 22, 2014

Present draft products to communities – September 2015

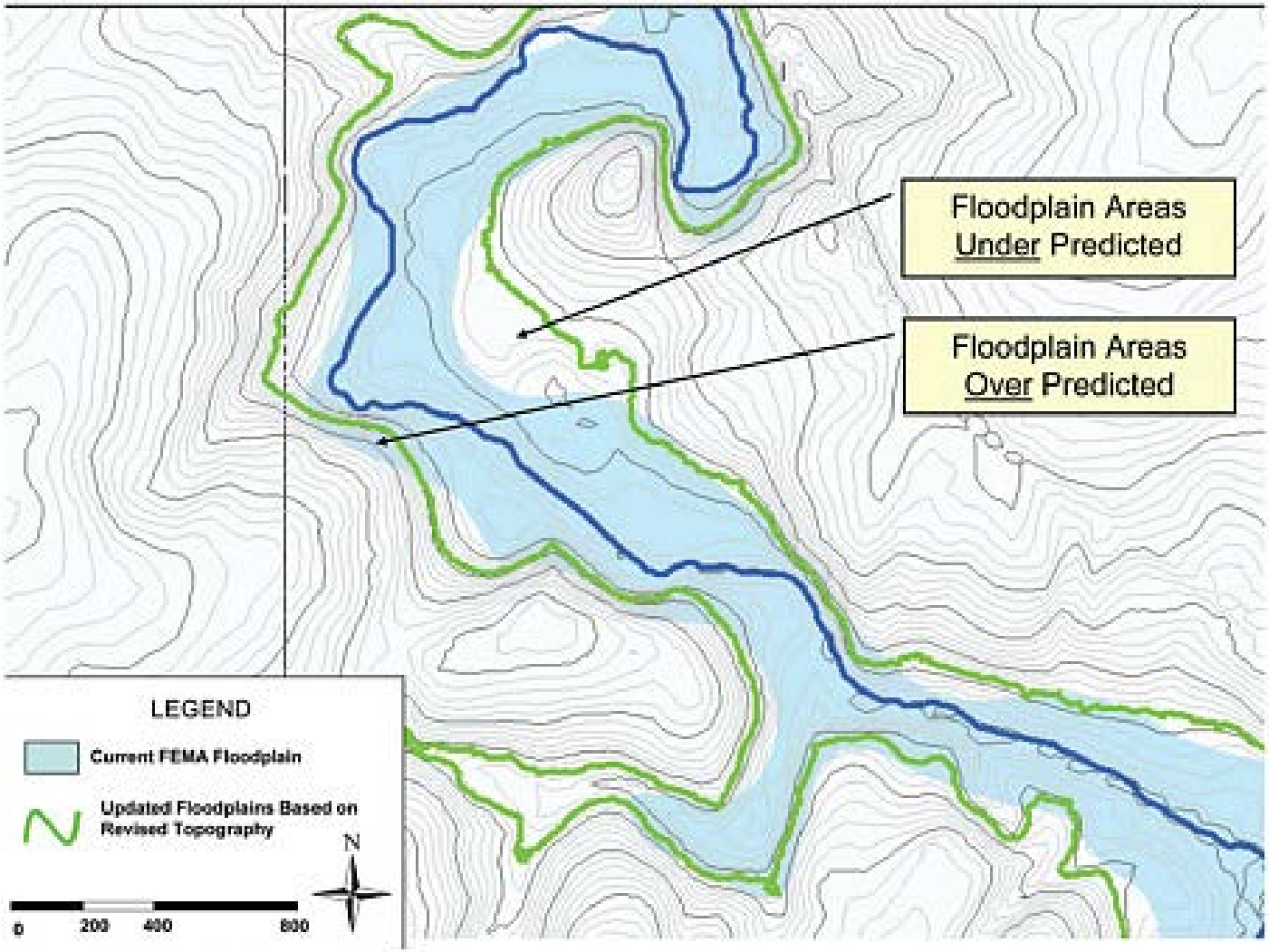
Preliminary Floodplain Maps Released – December 2016

Present Preliminary maps at Open House – May 23, 2017

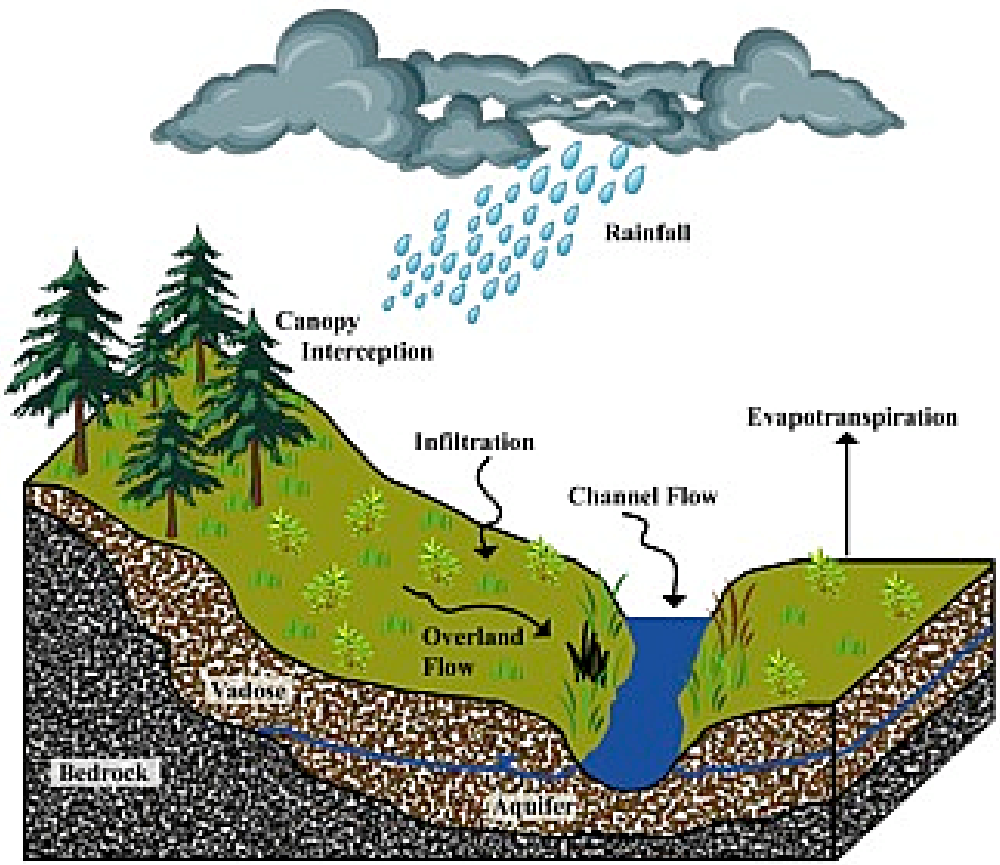
90 Day appeal period – September - December 2017

Effective Date for Maps – November 2018

Floodplain Accuracy Improved by Using Best Available Topography

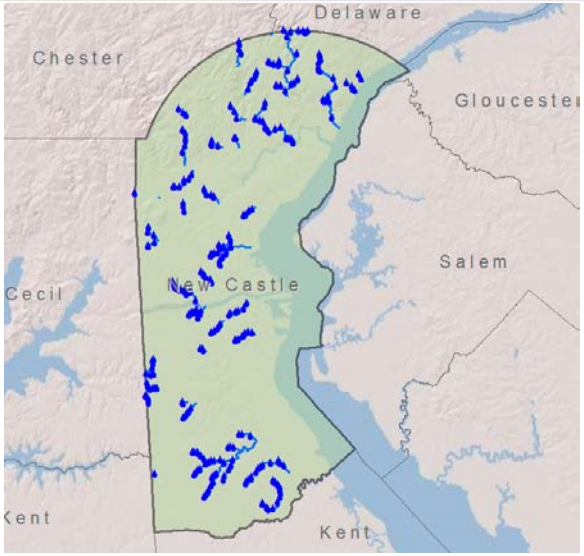


Hydrology – Updated to Improve Estimates of Rainfall Runoff

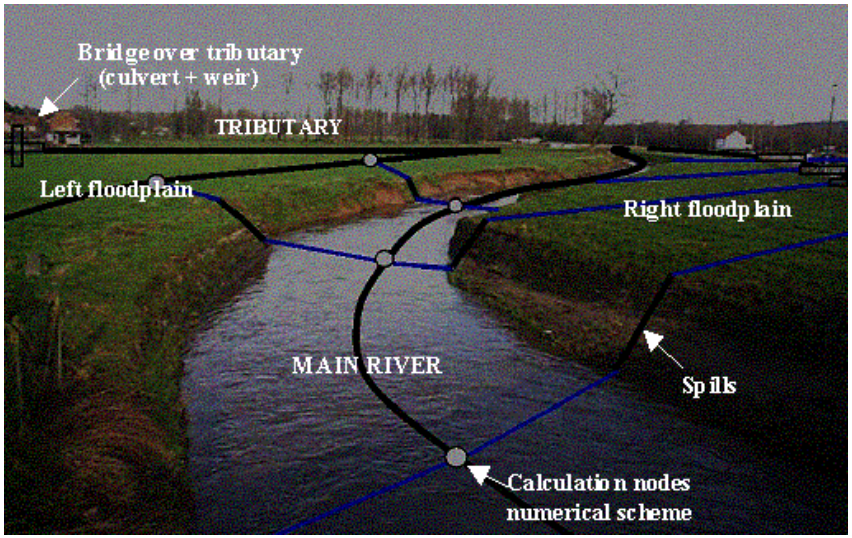


Hydrologic Analysis

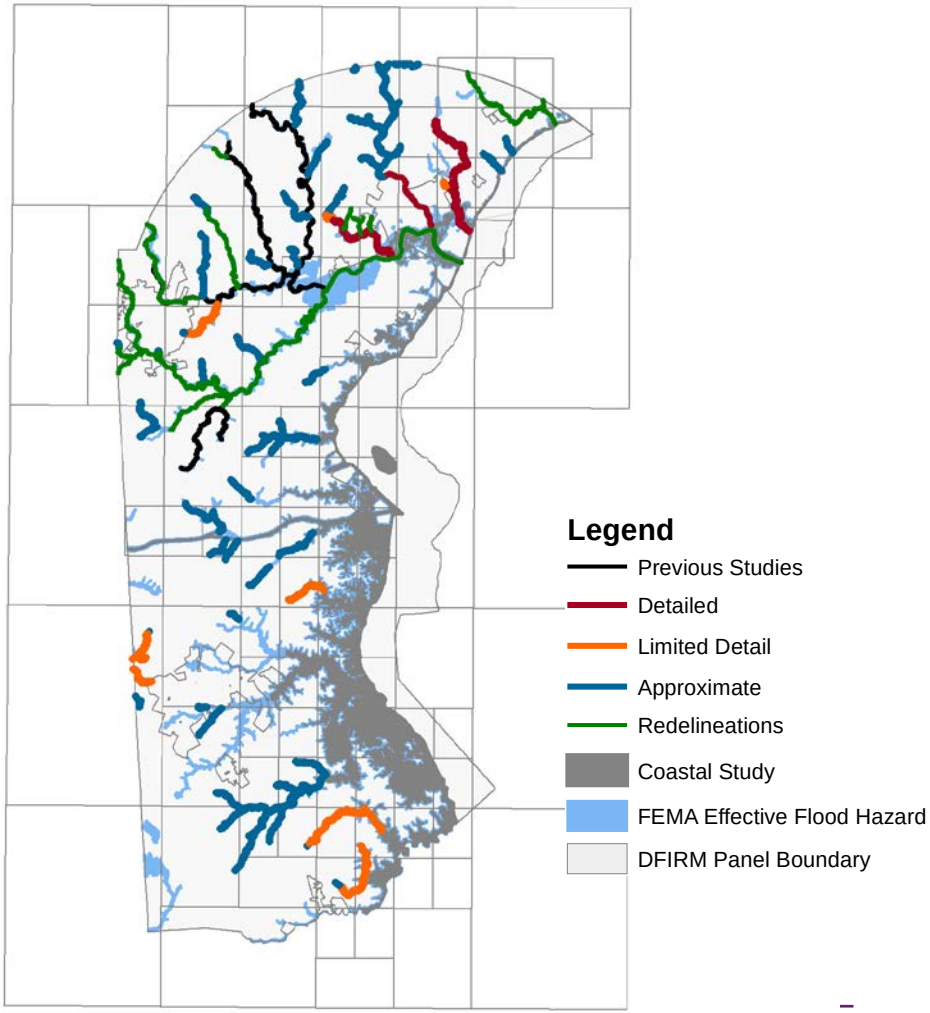
- ✓ Cost effective, proven, FEMA endorsed methodology for developing Regression based discharges
- ✓ Consistent with DelDOT hydrologic approach
- ✓ Methodology consistent with Delaware StreamStats
- ✓ Automated, GIS-based approach to improve efficiency/accuracy
- ✓ Bulletin 17B analysis for gauged streams incorporated



Task 6 - Hydraulics – Updated to Improve Estimates of Flood Heights



Study Type	Miles
Detailed	12
Limited Detail	14
Model-Backed Zone A	63
Redelineation	59
Total	**148**



How are updated floodplain maps used?

In local floodplain regulations and building codes

To design bridges and other infrastructure in flood prone areas

By most lenders to comply with flood insurance purchase requirements

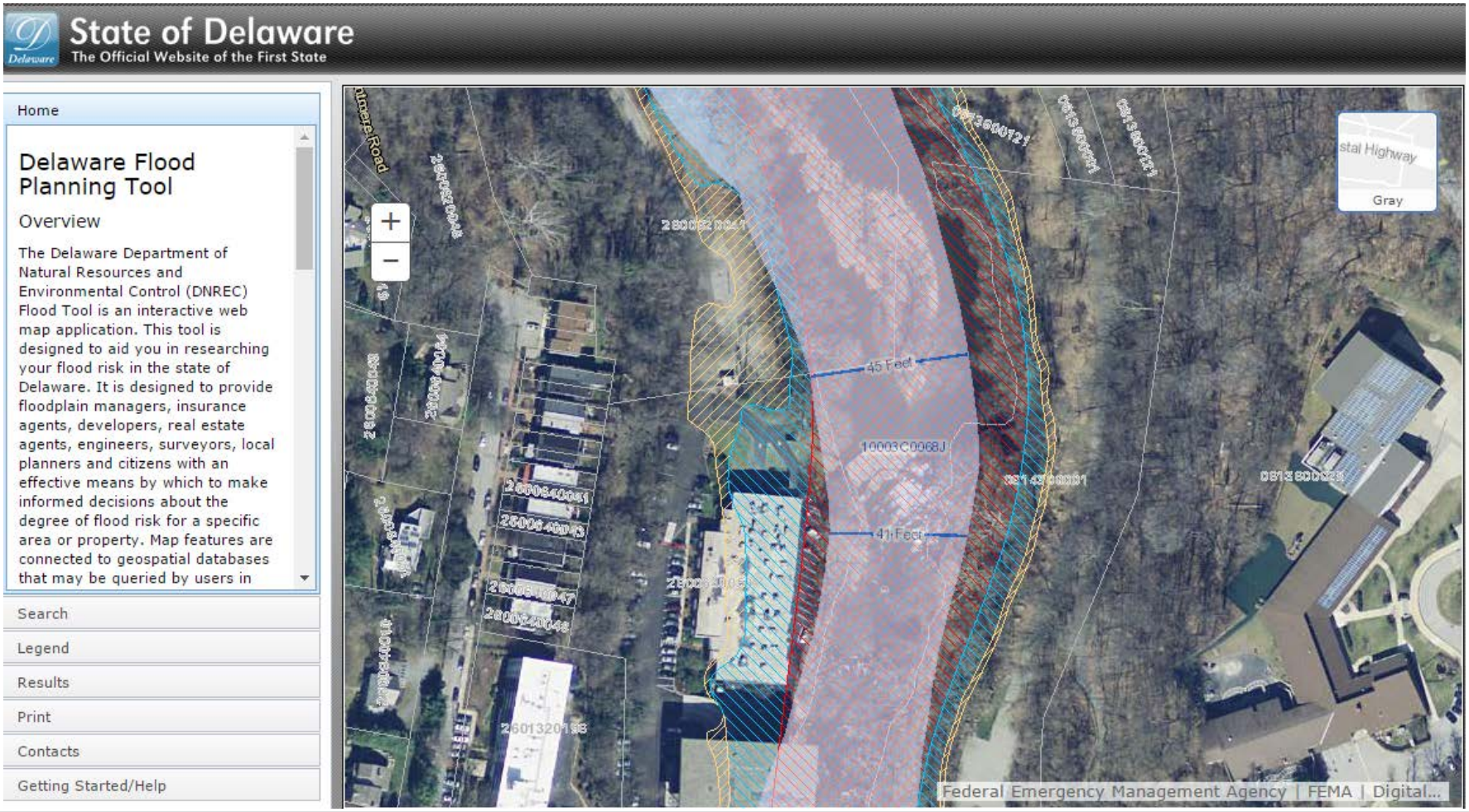
By insurance companies in writing flood insurance policies

To allow New Castle County residents to better understand flood risk

To assist owners of properties in flood-prone areas to protect themselves from flood impacts

Getting More information about Floodplain Map Changes

- Delaware's Flood Planning Tool - http://de.gov/floodplanning



What Happens Next?

1) Community Comment Period
2) 90-day appeal period
3) Finalization of FIRMs/FIS with additional Quality Review
4) Letter of Final Determination
5) New Maps go into effect (estimate November 2018)

For More Information

DNREC Points of Contact:

Michael Powell – michael.powell@state.de.us
Greg Williams – gregory.williams@state.de.us
Janice Shute – janice.shute@state.de.us

New Castle County Points of Contact:

John Gysling – jgysling@nccde.org

FEMA Points of Contact:

(For Mapping and Engineering) Nikki Roberts – nikki.roberts@fema.dhs.gov
(For Flood Insurance issues) Rich Sobota – richard.sobota@fema.dhs.gov

Thank You for attending!

Please let us know what you think, or ask questions. Also consider visiting the informational stations we have set up for you:

- Insurance
- Floodplain Map Changes
- Appeals and corrections to floodplain maps
- County Land Use staff