

Mitigate FL

1st Quarter Meeting

Tuesday, March 13, 2018
Director's Conference Room
1:00-2:00 pm

Audio Information
Number: 1-888-670-3525
Passcode: 18886032254



Introductions

- Name
- Agency

For Our Friends on the Phone

Please make sure your phone is muted during the meeting.

To mute / unmute your phone press *6.

Please DO NOT put your phone on hold.



Agenda

- SHMP Update
- LiDAR funding
- Individual State Agency meetings
- Ideas for MitigateFL
- Irma Recovery and Mitigation
- Environmental Reviews
- Silver Jackets
- HMGP Update
- LMS Update
- SHMPoints Newsletter
- Announcements

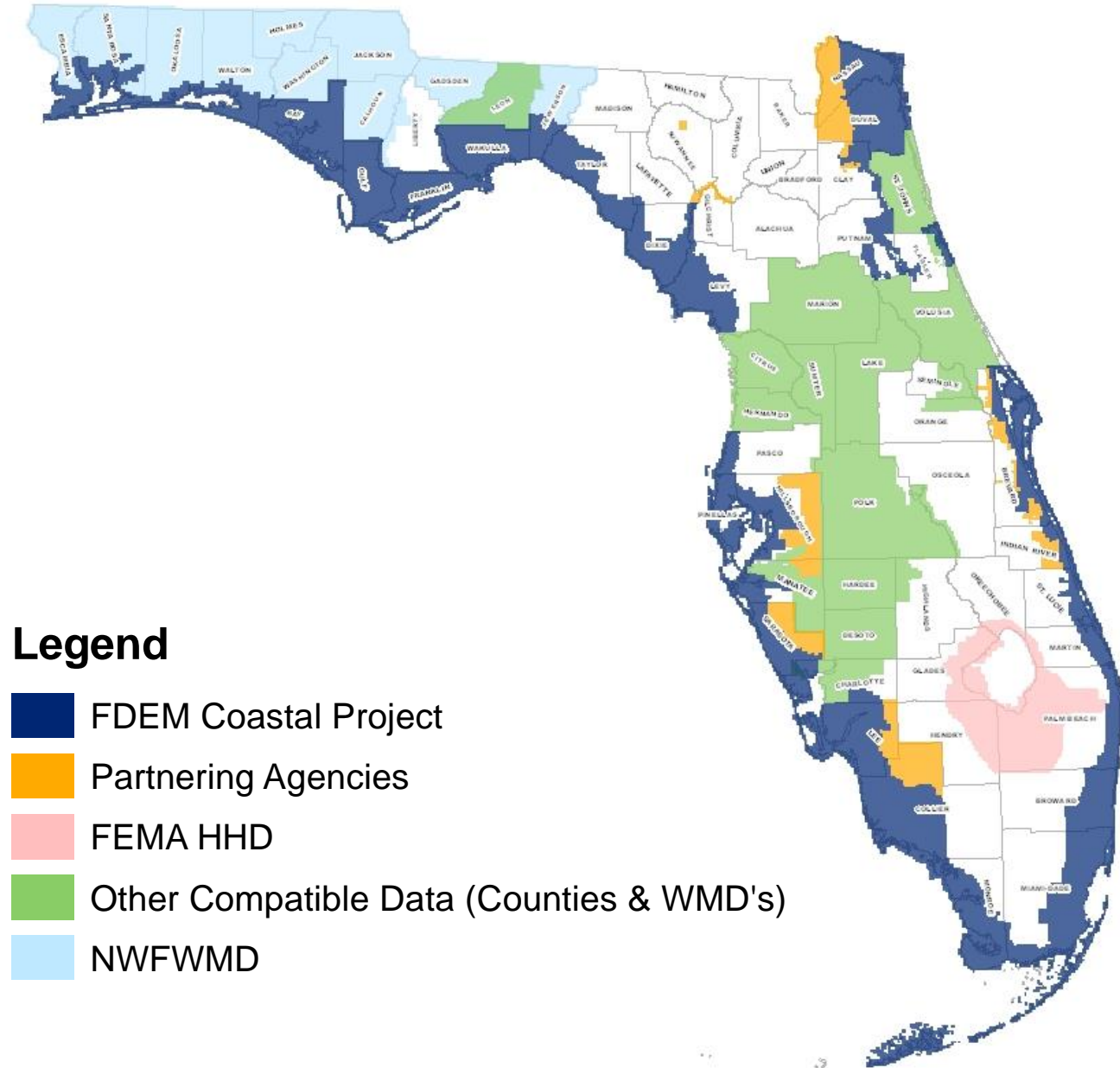


State Hazard Mitigation Plan (SHMP)

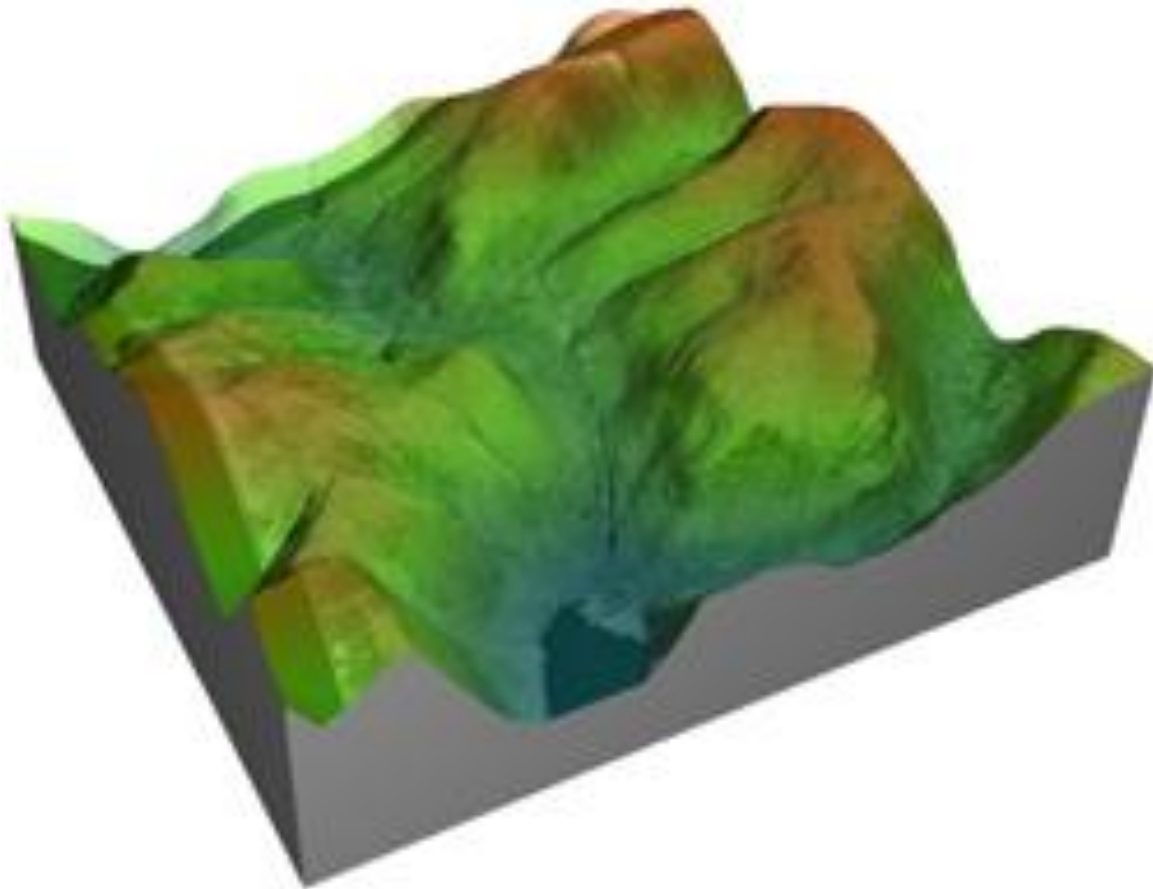
- SHMP was posted on FDEM website for review on 02/01/2018 and accepted comments for two weeks
- Submitted to FEMA on 02/23/2018
- Currently under review



2009 LiDAR Inventory



USGS 3DEP



The National Map: 3D Elevation Program (3DEP)

Secure https://nationalmap.gov/3DEP/

USGS science for a changing world **The National Map**

3D Elevation Program (3DEP)

[The National Map Home](#) >> 3D Elevation Program (3DEP)

- About
- News
- Get Data
- Data Partnership Opportunities
- Benefits
- Resources
- Contact Us

Introduction and Goals



LIDAR is used to detect potential obstacles that present hazards to air navigation.
Lidar is used to detect potential obstacles that present hazards to air navigation.

The 3D Elevation Program (3DEP) initiative is being developed to respond to growing needs for high-quality topographic data and for a wide range of other three-dimensional representations of the Nation's natural and constructed features. The primary goal of 3DEP is to systematically collect enhanced elevation data in the form of high-quality light detection and ranging (lidar) data over the conterminous United States, Hawaii, and the U.S. territories, with data acquired over an 8-year period. Interferometric synthetic aperture radar (IfSAR) data will be collected over Alaska, where cloud cover and remote locations preclude the use of lidar over much of the State. The 3DEP initiative is based on the results of the [National Enhanced Elevation Assessment](#).

3DEP Data Acquisition Partnership Opportunities

FY18 USGS Broad Agency Announcement (BAA) for the 3D Elevation Program (3DEP)

Partnership Opportunities

The FY17/FY18 Broad Agency Announcement (BAA) for the 3D Elevation Program (3DEP) was released on August 16, 2017. The BAA provides detailed information on how to partner with the USGS and other Federal agencies to acquire high-quality 3D Elevation data. Information and contacts are available at Fed Biz Opps (Search for Reference Number: G17PS00746) and Grants.gov (Funding Opportunity Number: G17A500116). Applicants may contribute funds toward a USGS lidar data acquisition activity via the Geospatial Products and Services Contracts or they may request 3DEP funds toward a lidar data acquisition activity where the requesting partner is the acquiring authority. Federal agencies, state and local governments, tribes, academic institutions and the private sector are eligible to submit proposals.

Public Webinars

The USGS hosts a set of public webinars each year to introduce the BAA opportunity to the broadest stakeholder community possible and to provide a summary of the application process.

The next set of public webinars will be held in [August of 2017](#).

Applications - A Few Examples

3DEP will provide expanded benefits to a range of Federal, State, local, and private industry applications. Some examples of the value of improved elevation data include:



3D Elevation Program: FY17 Status of 3DEP Quality Data
As of 08/15/2017

For more on the 3D Elevation Program (3DEP) visit:
<http://www.nationalmap.gov/3DEP/>
Visit the US Department of the Interior, USGS or <http://www.fedbizopps.gov/>

Map showing acquisition and quality level of 3DEP data. Data is color-coded by acquisition status and quality level. Data is color-coded by acquisition status and quality level. Data is color-coded by acquisition status and quality level.

EXPLANATION
In Progress and Existing Data that Meet 3DEP Specification
Data (Hawaii)
Other Lidar data
No publicly available lidar data (blue in Alaska)

Fiscal Year 2017 status of 3DEP quality data, as of August 2017

To review previous BAA project awards, visit:
<https://nationalmap.gov/3DEP/PreviousBAAs.html>

<https://nationalmap.gov/3DEP>

National Interagency Elevation Inventory

The screenshot displays the National Interagency Elevation Inventory web application. The main map shows the state of Florida with a yellow outline and various data layers overlaid. The interface includes a top navigation bar with 'IDENTIFY', 'BASEMAP', and 'SHARE' buttons. A right-hand sidebar contains a state selection dropdown (currently set to 'FLORIDA'), a 'ZOOM TO COUNTY/ISLAND' dropdown, and a grid of map thumbnails. Below this is a 'RELATED LINKS' section with buttons for 'DOWNLOAD', 'MORE INFO', 'FAQ', and 'CONTACT'. The 'DATA TYPE' section lists several data sources with toggle switches: 'IfSAR Data', 'Bathymetric Lidar', 'NOAA Hydrographic Surveys', 'USACE Hydrographic Surveys', 'Trackline Bathymetry', 'Multibeam Bathymetry', and 'Additional Bathymetric Surveys (Pacific)'. The bottom of the page features logos for the agencies maintaining the data: NOAA, USGS, USDA, US Army Corps of Engineers, and FEMA. The footer contains links for 'Viewer Metadata', 'Contact Us', 'Privacy Policy', 'Link Disclaimer', and 'USA.gov'.

United States Interagency Elevation Inventory

FLORIDA

ZOOM TO COUNTY/ISLAND

RELATED LINKS

DOWNLOAD MORE INFO FAQ CONTACT

DATA TYPE

DATA INVENTORY CURRENT AS OF JANUARY 2018

IfSAR Data

Bathymetric Lidar

NOAA Hydrographic Surveys

USACE Hydrographic Surveys

Trackline Bathymetry

Multibeam Bathymetry

Additional Bathymetric Surveys (Pacific)

MAINTAINED BY

NOAA USGS USDA US Army Corps of Engineers FEMA

United States Department of Commerce National Oceanic and Atmospheric Administration National Ocean Service

Viewer Metadata Contact Us Privacy Policy Link Disclaimer USA.gov

<https://coast.noaa.gov/inventory>

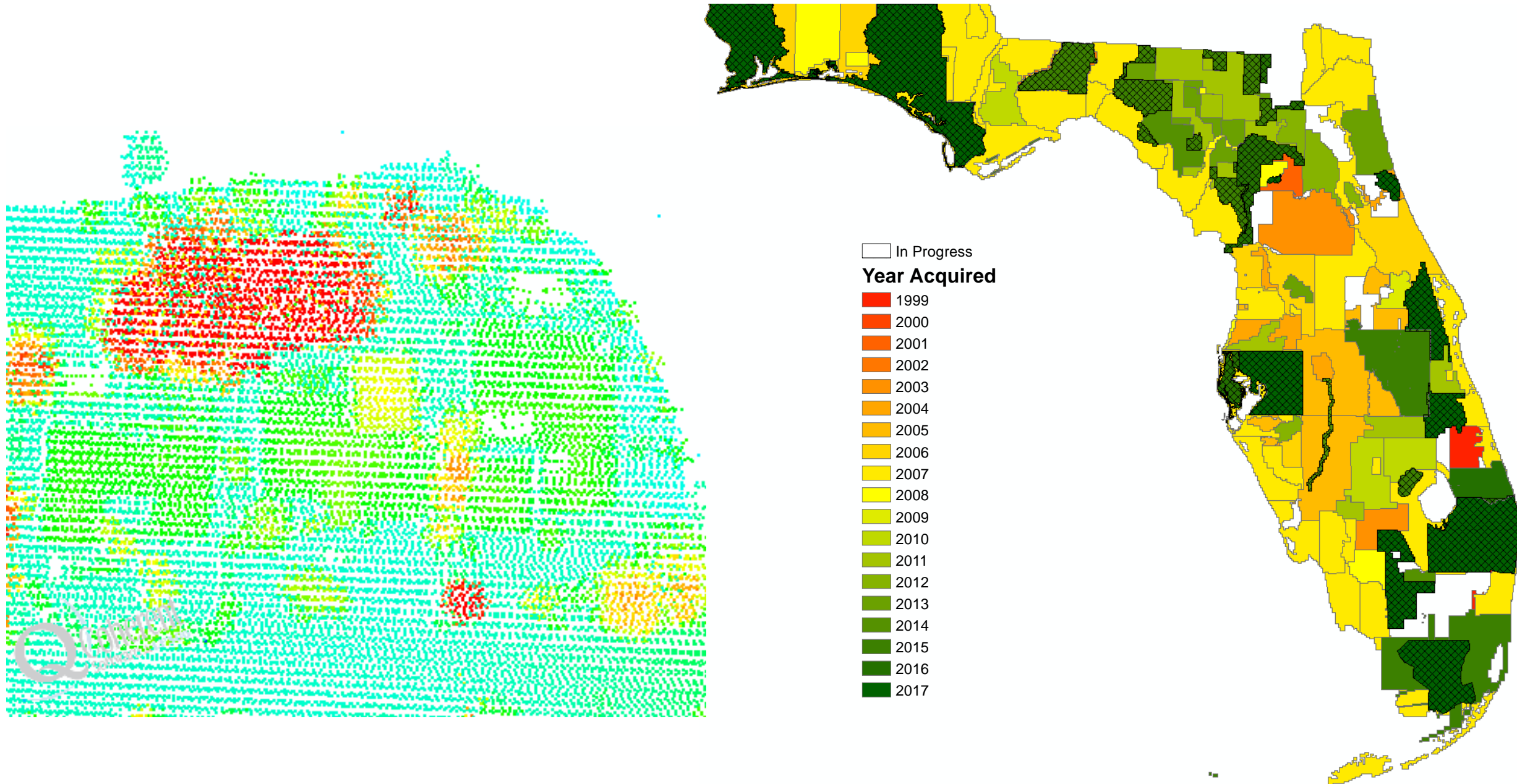
USGS 3DEP

To Meet 3DEP Criteria data must --

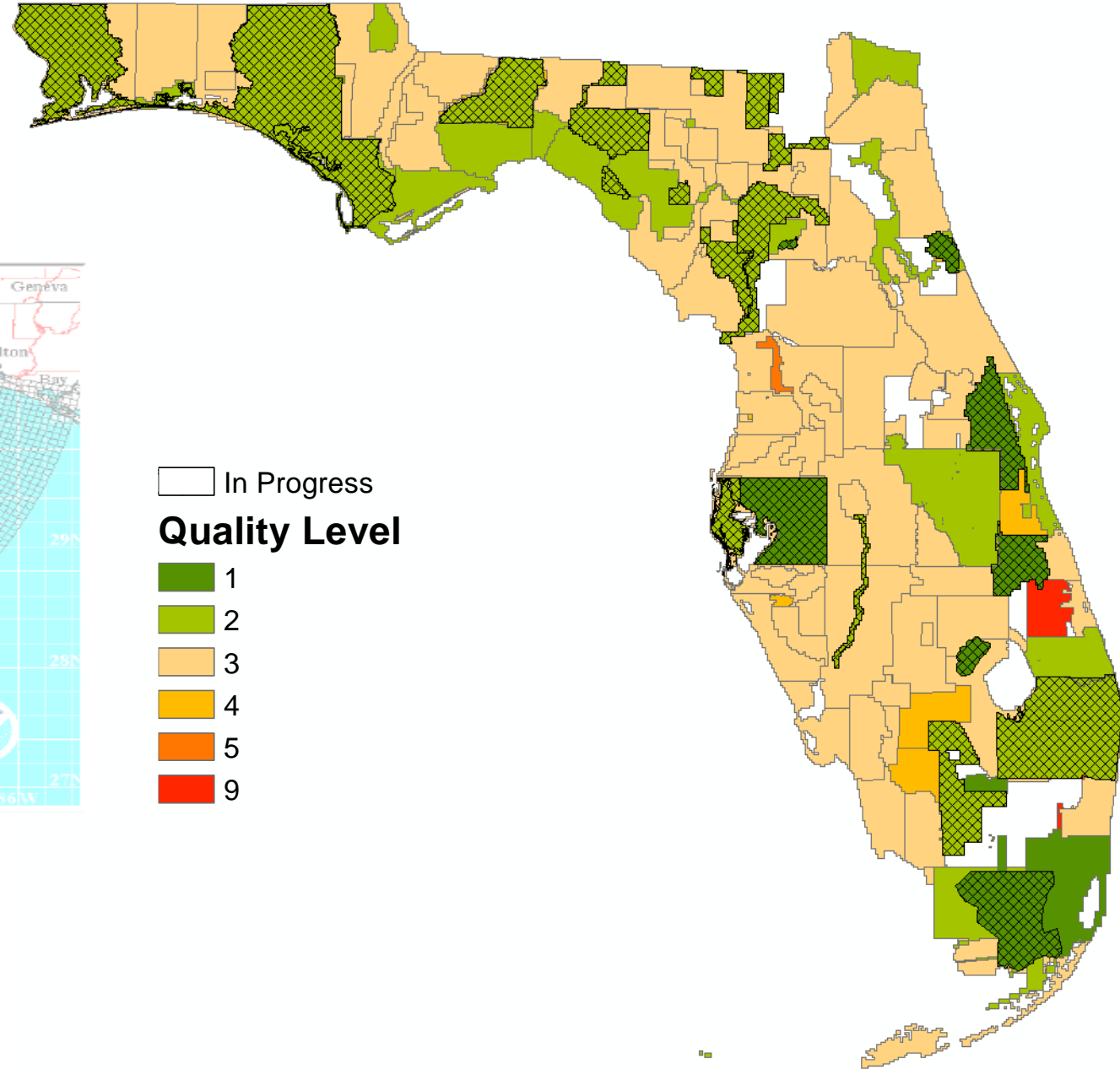
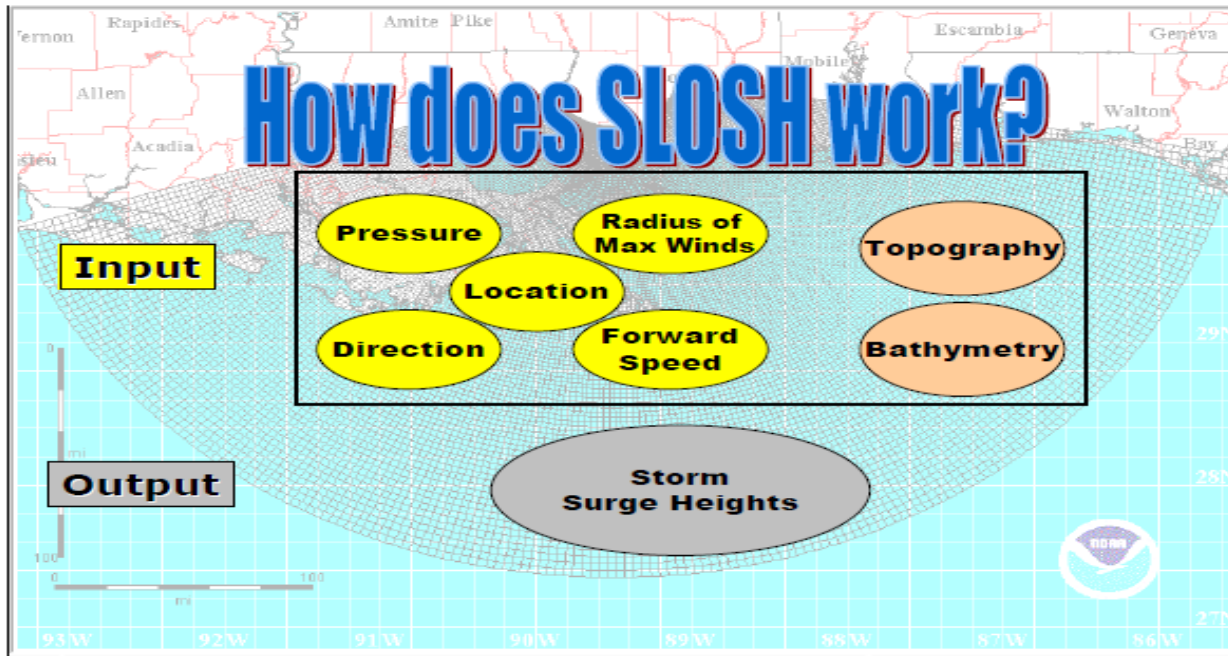
- be quality level 2 (or higher)
- have been collected within last 7 years

QL	<i>Density (\geq pts/m²)</i>	<i>Precision (RMSE \leq cm)</i>	<i>Swath Overlap Difference (RMSE \leq cm)</i>
QL0	8	3	4
QL1	8	6	8
QL2	2	6	8
QL3	0.5	12	16

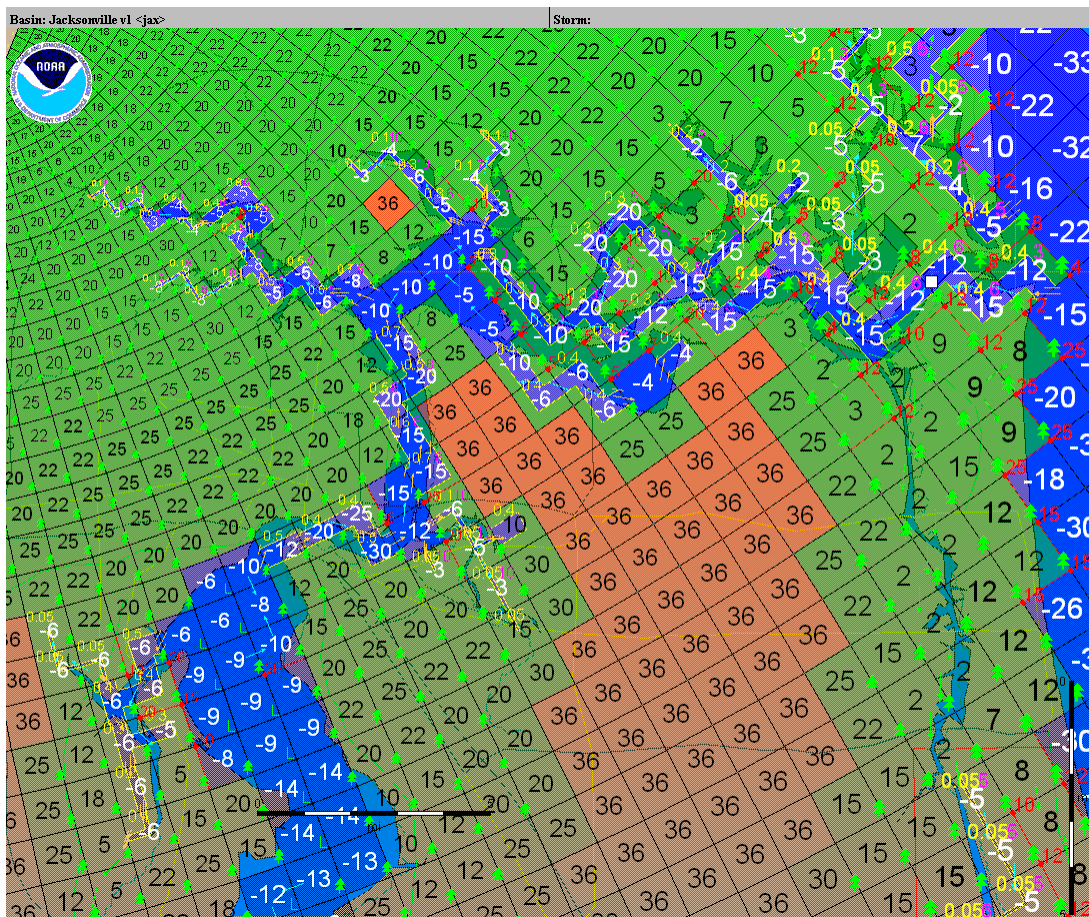
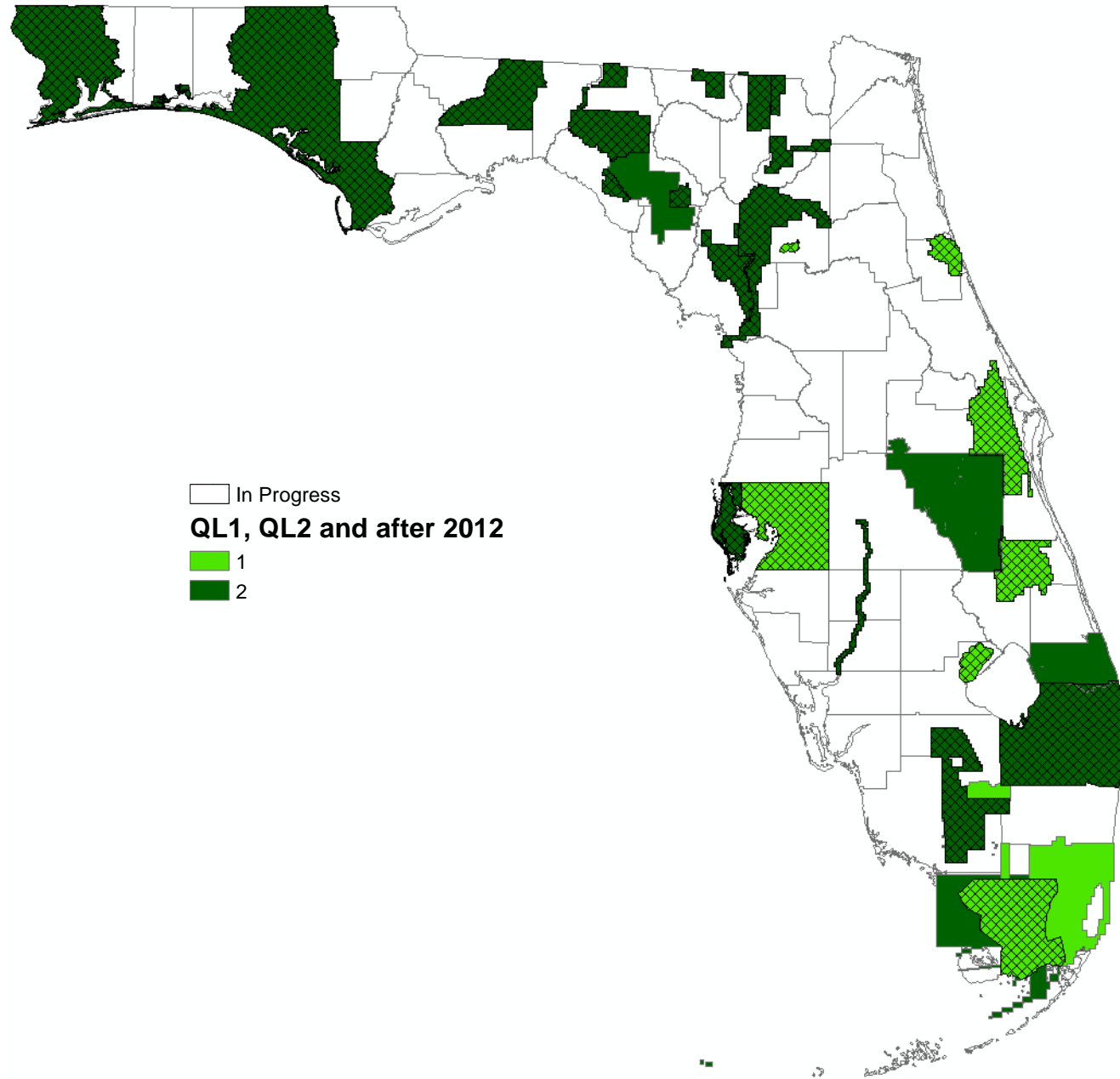
2017 LiDAR Inventory



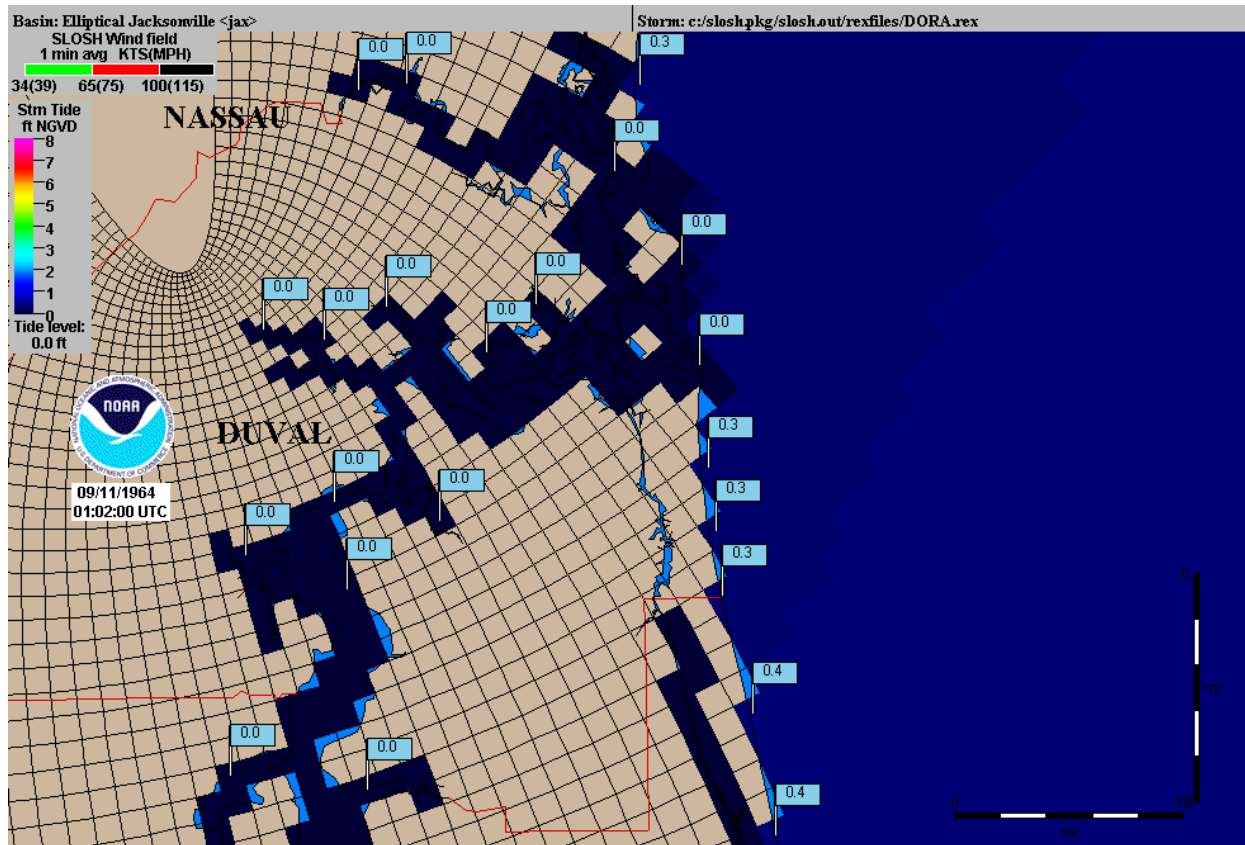
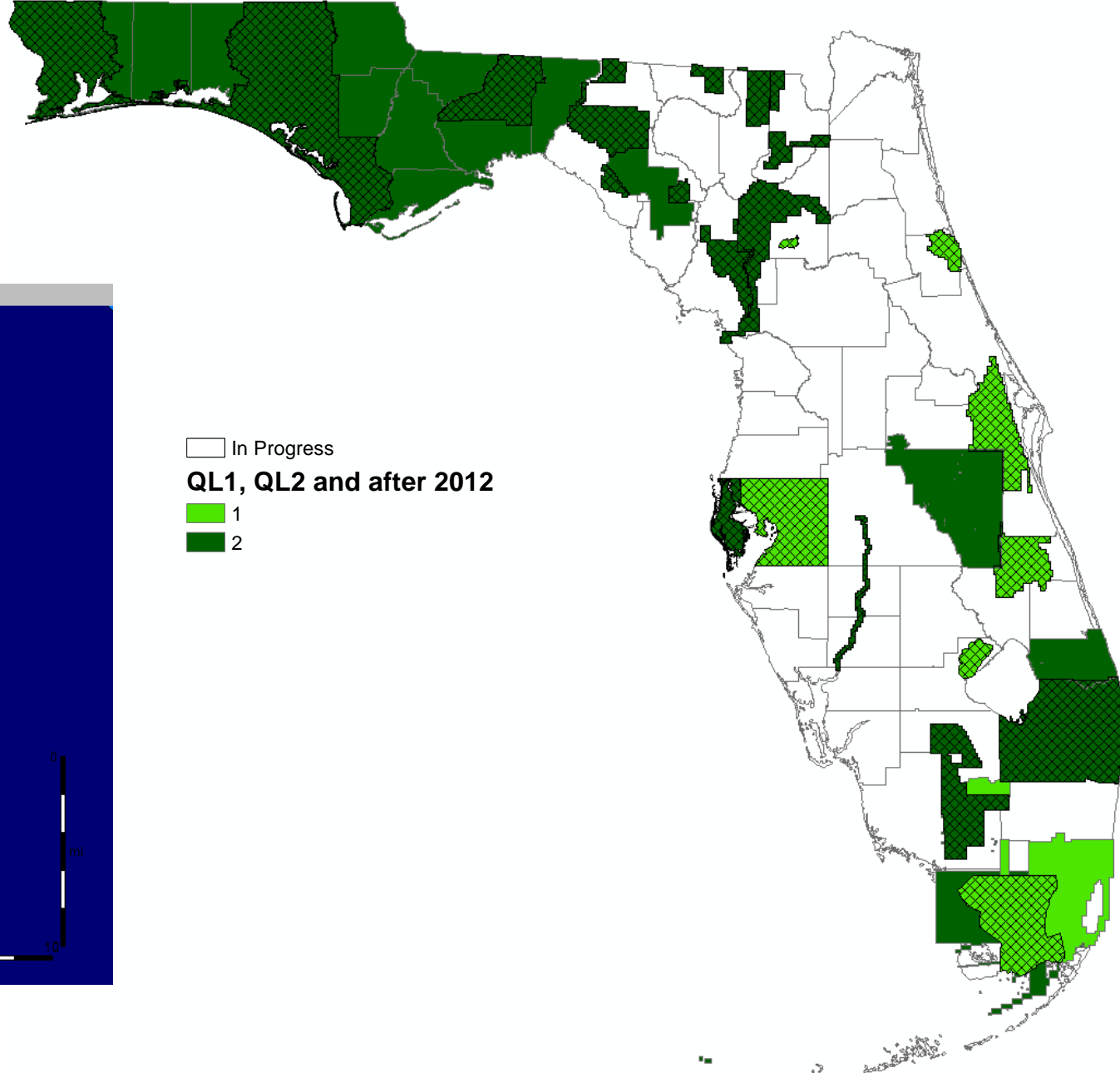
2017 LiDAR Inventory



2017 LiDAR Inventory



2018 LiDAR Updates

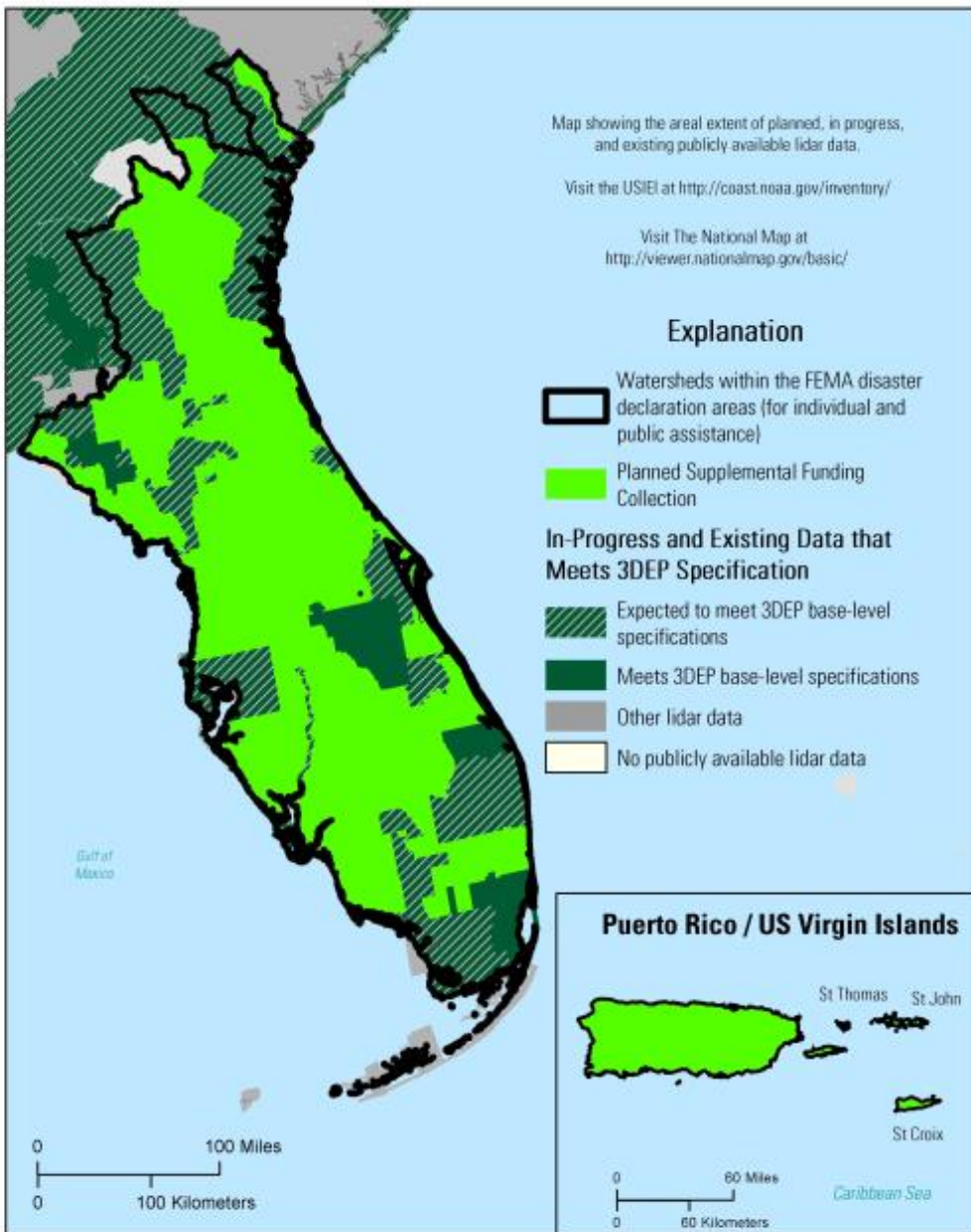


LiDAR – 2018 State Budget

From the funds provided in Specific Appropriation 2564, \$15,000,000 of nonrecurring funds from the General Revenue Fund is provided to the Division of Emergency Management to competitively procure professional LiDAR mapping services for the production of a complete and accurate 3D map of the entire state for use in emergency management, infrastructure planning, agriculture, and forestry, among other purposes. The 3D map must meet the requirements of all state agencies. The division shall consult with the Department of Transportation on the procurement. The division shall submit quarterly project status reports to the Executive Office of the Governor and the chairs of the Senate Appropriations Committee and the House of Representatives Appropriations Committee.



USGS Disaster Supplemental



State Agency Meetings

- 252.3655 requires an annual progress report
 - Participation of state agencies in Mitigate FL
 - State agency mitigation efforts
- Better understand what all state agencies are doing to mitigate against hazards and address gaps



Ideas for MitigateFL

- Open Discussion
- Examples:
 - Develop a more comprehensive capability assessment
 - Programs and projects directed at assisting local governments
 - Inventory of state level and/or statewide mitigation projects
 - Have other state mitigation programs present at future Mitigate FL Meetings



Irma Recovery & Mitigation

Under the National Disaster Recovery Framework (NDRF):

- Coordinated efforts of the State Disaster Recovery Coordinator (SDRC) and the Federal Disaster Recovery Coordinator (FDRC) include:
 - Everglades City Resilience
 - Emergency Power
 - Housing
 - Everglades Water Management
 - Coastal Resiliency



Irma Recovery & Mitigation

- Technical assistance and policy guidance provided through capabilities in:
 - Housing
 - Infrastructure
 - Health and Human Services
 - Natural and Cultural Resources
 - Economic
 - Community Planning and Capacity Building
- Development of MaxTrax
 - Program management tool for the lifecycle of recovery projects



Irma Recovery & Mitigation

- Coordinated Place Based Recovery Effort has assisted Lee, Collier, Hendry, and Monroe Counties in:
 - Identification of funding sources and critical timelines for over 50 long-term recovery projects
 - Identification of project alternatives for long-term recovery projects
 - Consultation for matching strategies, procurement, and global match projects
 - Technical assistance for long-term recovery projects in Tier 2 communities such as Putnam, Duval, and Clay Counties



Irma Recovery & Mitigation

For more information about the State Disaster Recovery Coordinator efforts, please contact Frank McColm at frank@fcmccolm.com



Environmental Reviews

- FEMA Environmental and Historic Preservation (EHP) Reviews often take very long
 - To speed up this process, FDEM will soon be able to perform initial FEMA-level EHP Reviews



Environmental Reviews

- Following FEMA EHP training, the FDEM Mitigation Environmental team will be able to perform initial FEMA-level EHP reviews
 - FDEM will draft consultation documents in-house
 - FDEM will be responsible for compliance documentation
- Bi-weekly meetings with FEMA
- Established timelines



Environmental Reviews

- Benefits to Florida include:
 - Quicker EHP review times
 - Additional consultation capabilities
 - No Requests for Information (RFIs) from FEMA after project submittal
 - Greater state involvement, with more transparent FEMA support



Silver Jackets

- Miami beach historical area Floodproofing project – not awarded yet
- Silver Jackets/USACE Pilot Project Program
 - Applications due May 22, 2018
 - Projects must be related to flood risk management and interagency (state and federal)



Silver Jackets

- Consider updating Silver Jackets Charter
 - Add agencies
 - Update mission statement
- Webinars for counties detailing federal flood risk management and mitigation funding sources
- How else can we use Silver Jackets in Florida?



HMGP: Hermine & Matthew

- Hermine:
 - FDEM has submitted all approved applications within the allocation amount to FEMA
- Matthew:
 - On schedule to have all approved applications within the funding allocation submitted to FEMA by the April 6th state deadline
- For both disasters, the state will have submitted to FEMA project costs equaling up to the funding allocation amount



HMGP: Irma

- 6-month allocation update from FEMA:
 - Old estimate: \$929,880,399
 - New estimate: \$354,066,081
 - Allocations will be adjusted and distributed via LMS WGs and the FDEM website soon



HMGP: Irma

- Statewide Applicant Briefing Webinar
 - March 15, 2018 from 1:30 PM – 5:00 PM
 - Use survey provided
 - Meeting minutes, Q&As, and slides will be made available afterwards
- Small-Group Applicant Workshops
 - Please respond as soon as possible
 - Consider half-days if a whole day is not possible



LMS

- Florida LMS Review Tool – now includes:
 - Updated Section 510 of Community Rating System (CRS)
 - Emergency Management Accreditation Program (EMAP) Applicable Standards
 - Comprehensive Emergency Management Plan (CEMP) Mitigation Planning Criteria
- Not required to fill out these sections, BUT they are useful during your LMS Updates if you're seeking:
 - Additional CRS points
 - EMAP Accreditation
 - CEMP approval and alignment with LMS



LMS

- LMS Update Manual
 - Now updated to include discussion of CRS, EMAP, and CEMP standards that were added to the Florida LMS Review Tool
 - Will be available on the LMS SharePoint page under Shared Files
 - FL-391: LMS Update Manual Workshop



SHMPoints

- New topics this quarter include:
 - Natural Hazard Mitigation Saves: 2017 Report
 - Mitigation Bureau: Employee Spotlight
 - St. Petersburg College Public Safety Workshops
 - Floodplain Dangers in Plain Sight: Tanks and Tool Sheds
 - Project Eligibility: Shelters and Safe Rooms



Announcements

- Meeting notes and materials will be available online

Next Mitigate FL Meeting
Tuesday, June 12, 2018
1:00 pm – 2:00 pm
Kelley Training Room, FDEM



Questions or Comments?

For any additional questions, suggestions
or comments please contact:

Laura Waterman

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850-879-0872

