

# A Year in the Life of the 2016 Palm Beach County LiDAR Project

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# Today's Topics

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- ◉ Why 3D Data?
- ◉ Why LiDAR
- ◉ What is 3DEP?
- ◉ USGS resources
- ◉ Partnerships
- ◉ The Application Process
- ◉ You've been selected...
- ◉ Lessons Learned



# Why 3D Data?

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Flood Risk Management

Infrastructure Management

Natural Resource Conservation

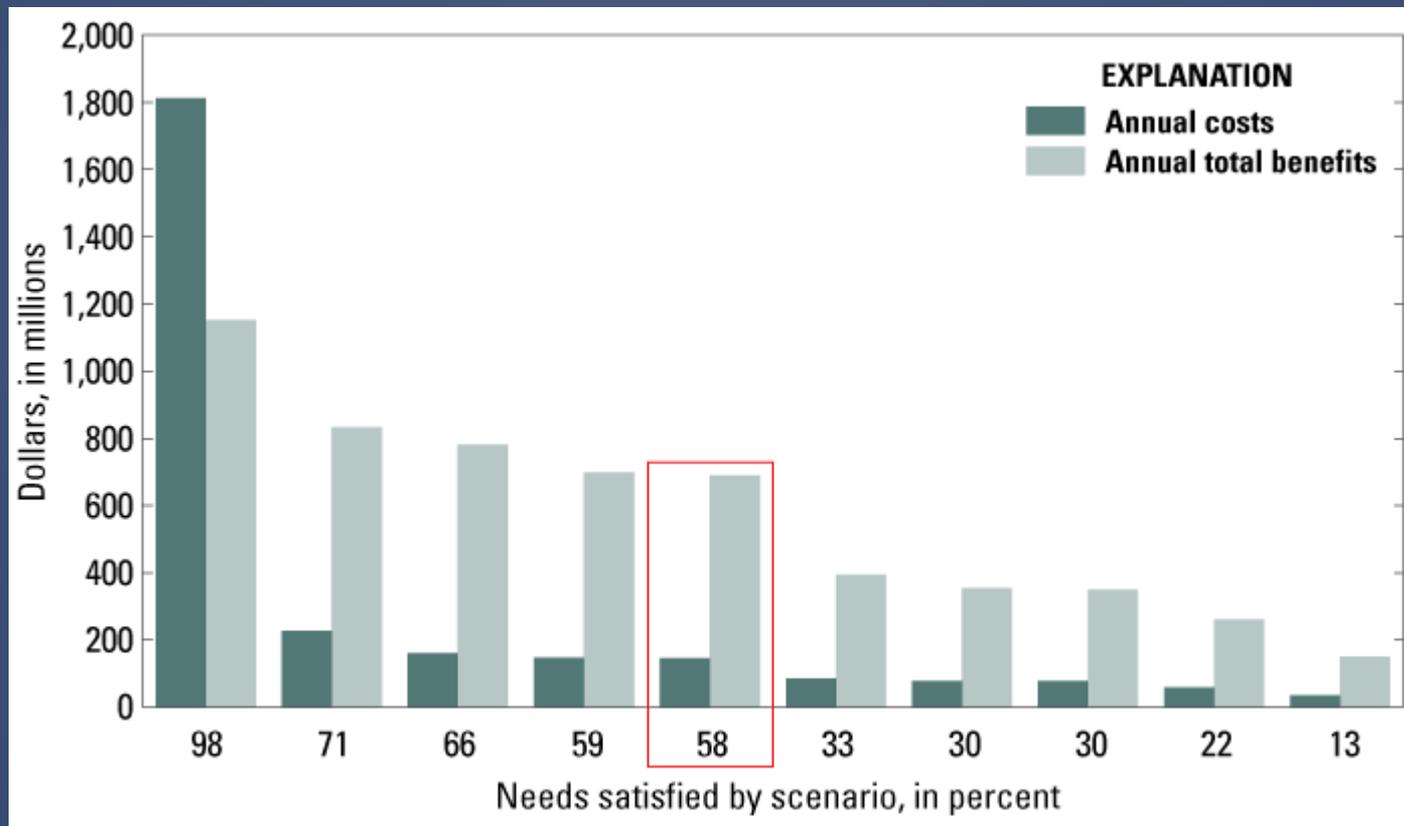
Agriculture

Water Supply and Quality



# Why LiDAR?

## National Enhanced Elevation Assessment



# What is 3DEP?

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## ○ FY 2014/15

- 29 awards
- \$9.8 million
- Average 36% 3DEP cost share

## ○ FY 2015/16 Priorities

- No existing data or older than 8 years
- 3DEP funding partners high priority areas
- 1,500 – 5,000 square miles
- Southeastern coastal areas



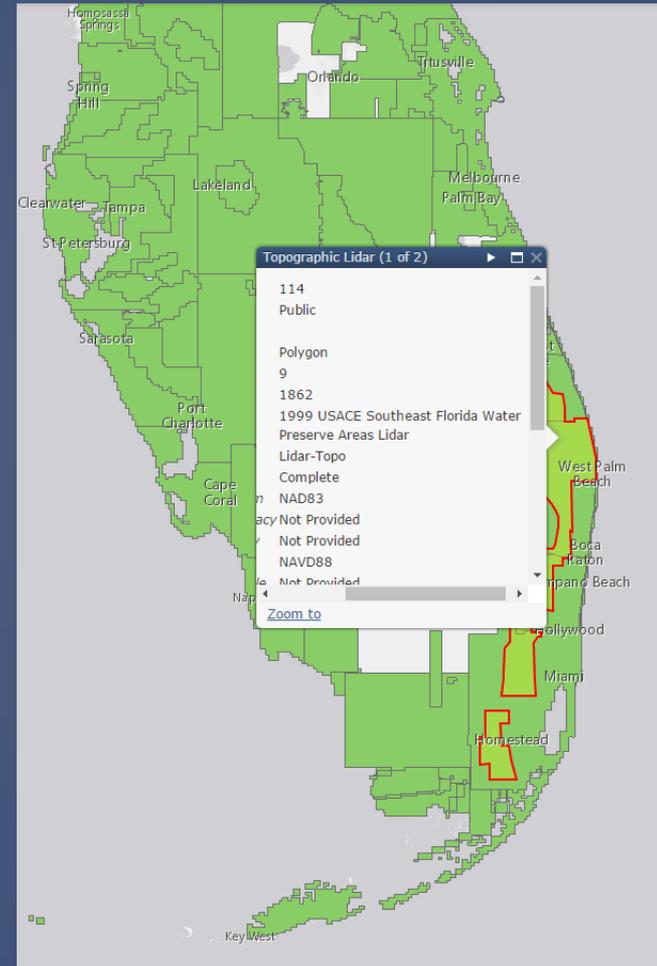
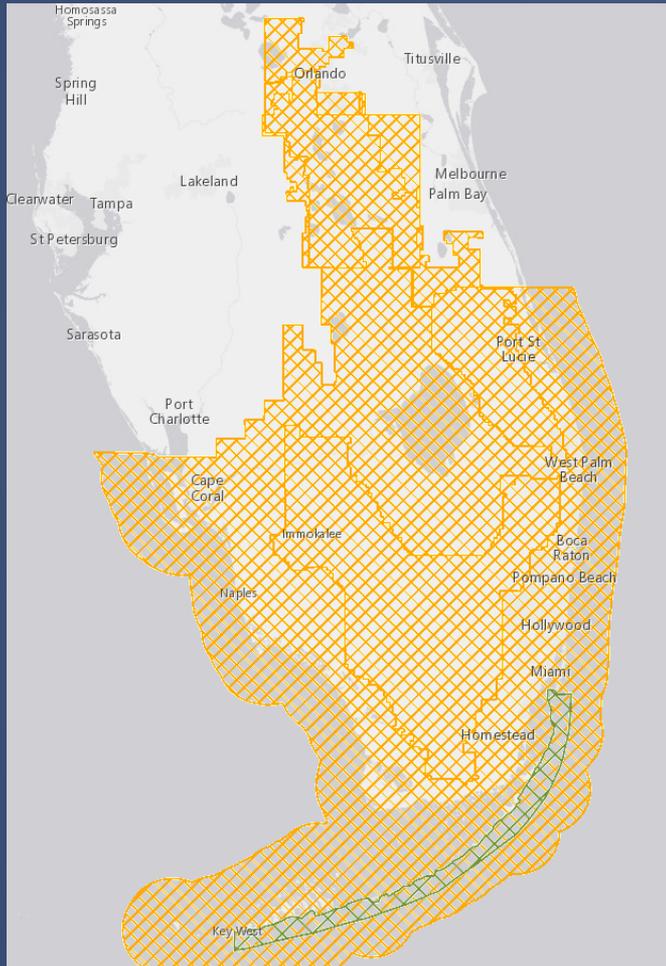
# USGS Resources

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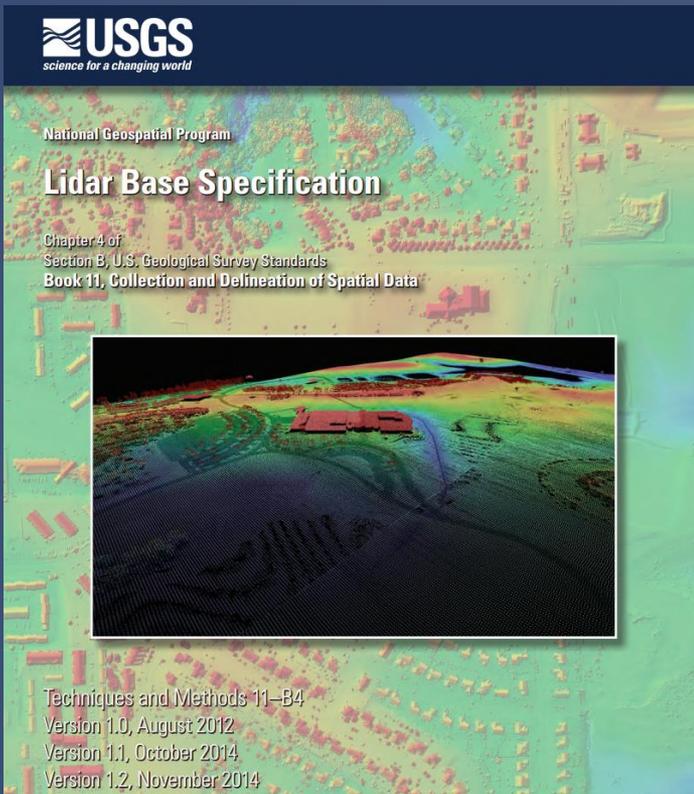
- Seasketch
- Public Meetings
- Federal Areas of Interest
- LiDAR Base Specification
- Use existing GPSC contractors
- Pre-proposal submittal and feedback



# Seasketch



# LiDAR Base Specification



Definitions  
Quality levels  
Accuracy  
Classification  
Deliverables



<http://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf>

9/30/2016

# Partnerships

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## ◉ Cost Share

- Palm Beach County 40%
- Local Partners 20%
- USGS 40%

## ◉ Letters of Support

## ◉ Interlocal Agreements



# The Application Process

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## ○ Pre-submittal Application

- Project Location
- Project Summary
- Proposed Funding

## ○ Pre-submittal Feedback

- Relationship to Identified Priorities
- Project Funding
- Technical Approach

## ○ Final Submittal



# You've been selected...

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- Grant acceptance letter
- Joint Funding Agreement
- Draft Task Order
- Technical and costing proposal
- Negotiate costs
- Award contract
- Project kick-off meeting
- Acquisition



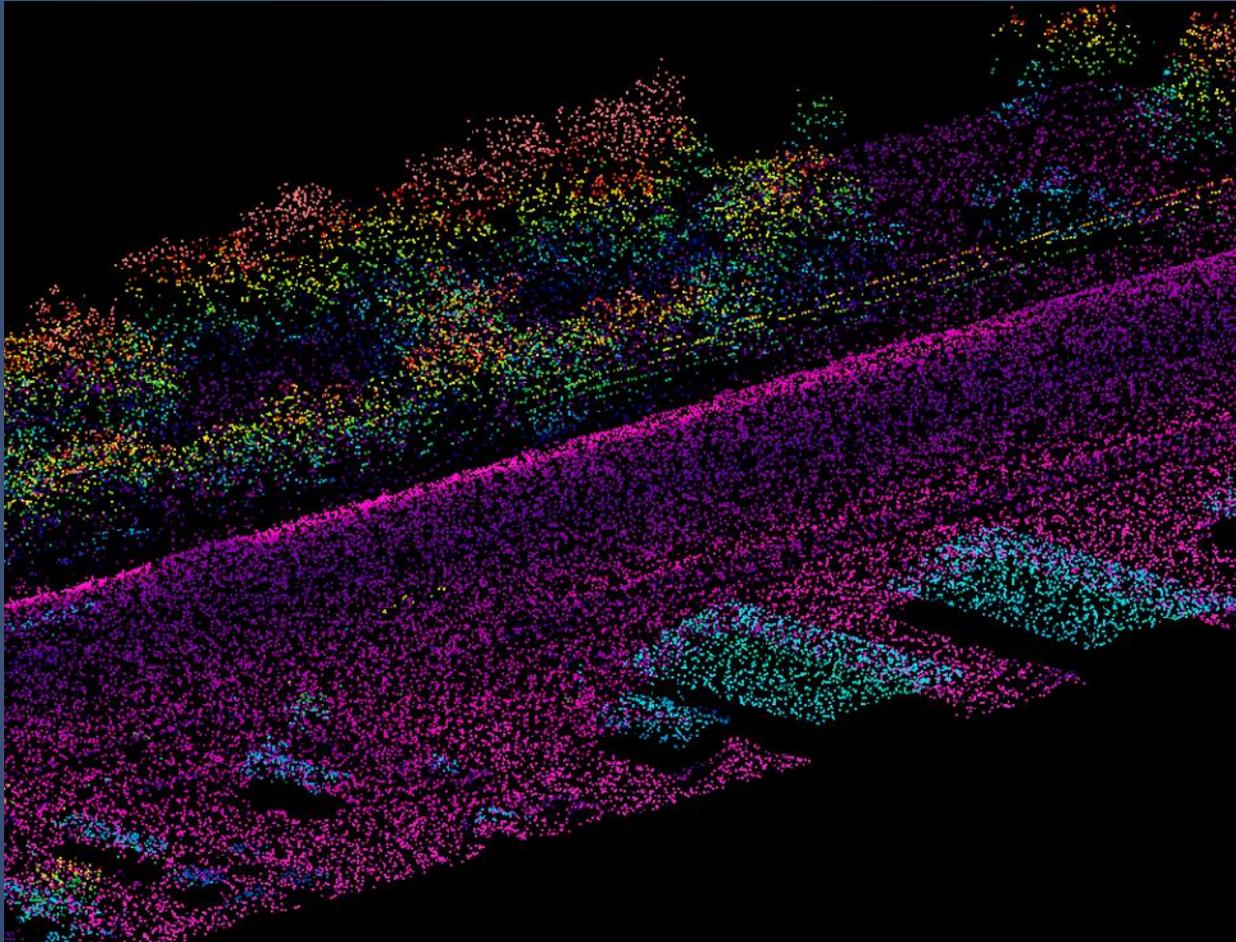
# Lessons Learned

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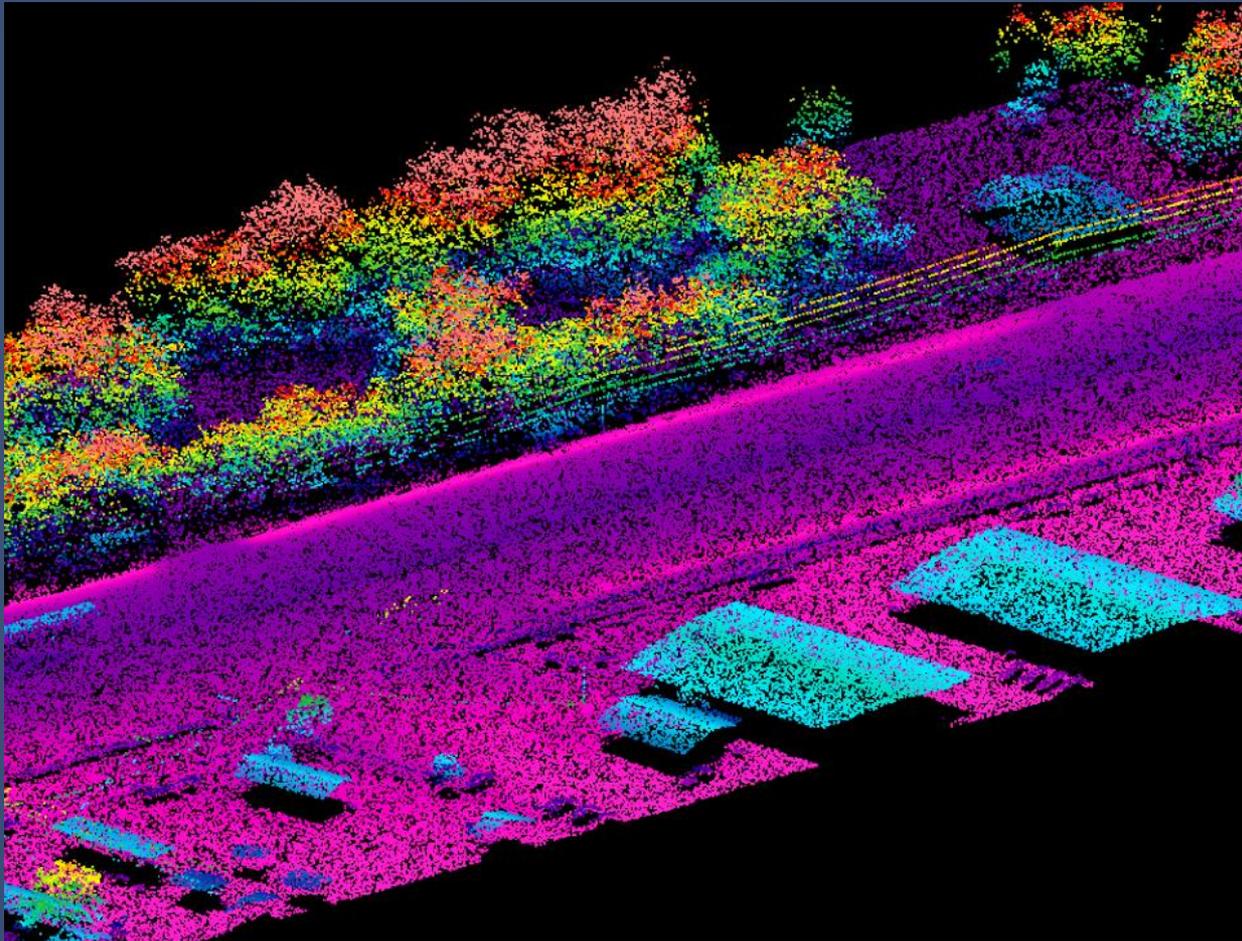
- Involve your legal and contract staff early and often
- Ask the experts
- Be patient



# QL2 - 2 points per sq. meter



# QL1 - 8 points per sq. meter





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