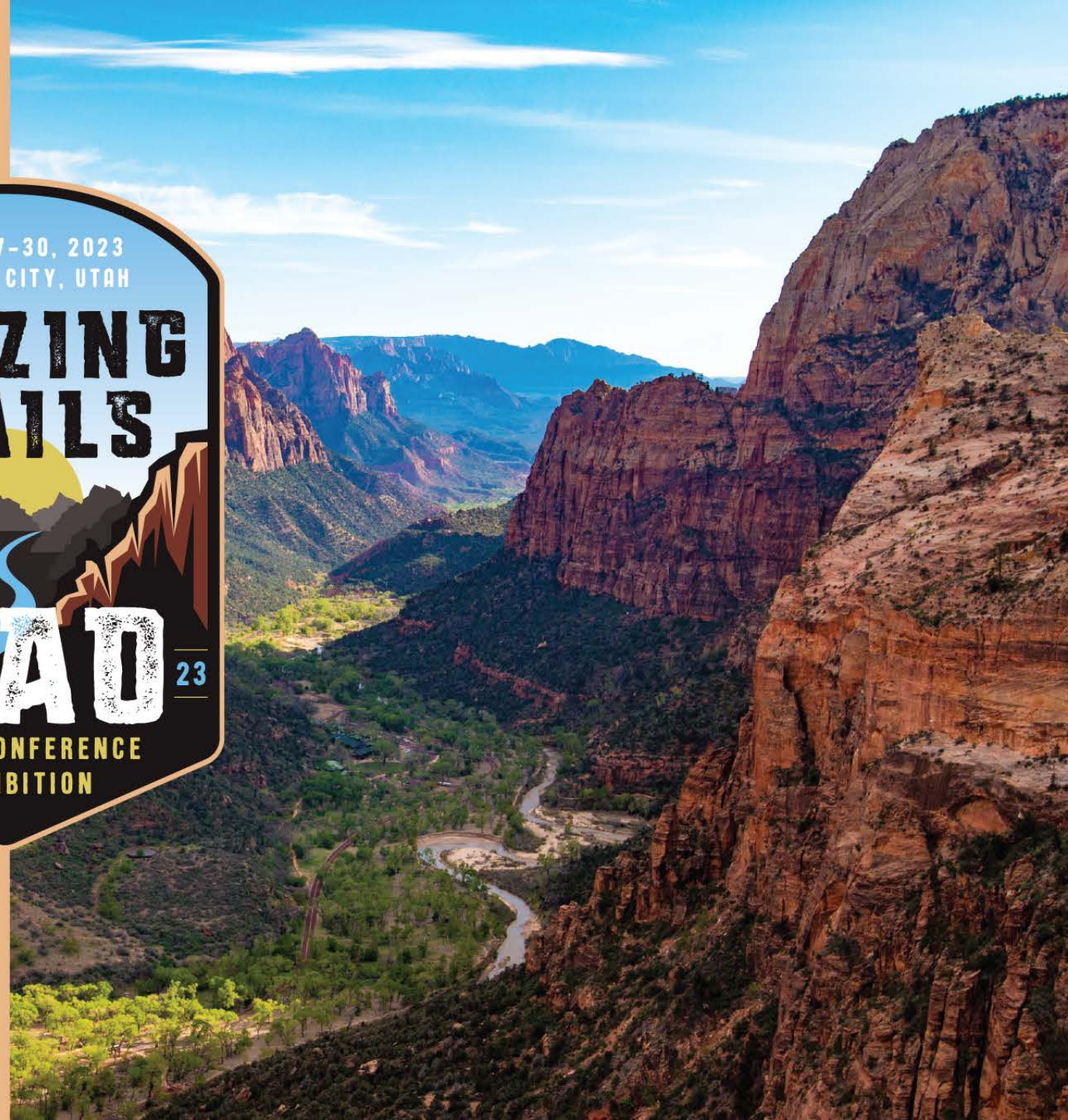
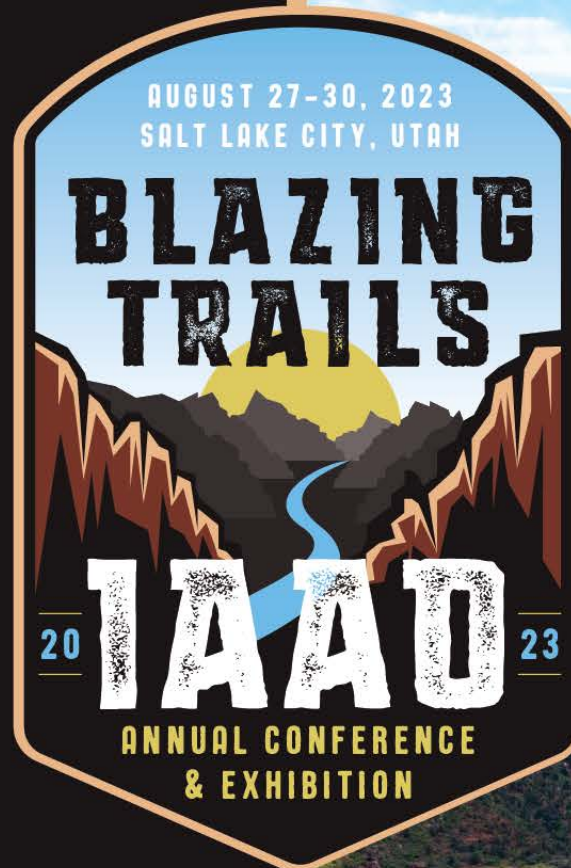


Damage
Assessment

Automation
tools and
techniques



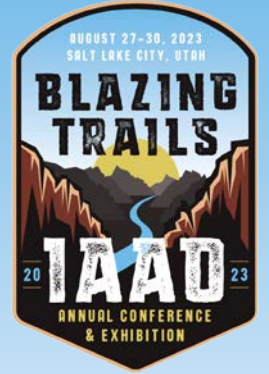
Damage Assessment

Automation tools and techniques

Terry Taylor

Director, Residential Valuations
Orange County Property Appraiser





Terry Taylor

Director, Residential Valuations

As the lead of OCPA's residential division, my role is to guarantee fairness and consistency in the certification of annual tax rolls for residential properties. I have earned my credentials from esteemed organizations such as the International Association of Assessing Officers (IAAO), the American Society of Appraisers (ASA), and the Appraisal Foundation.

I actively serve on the Board of Directors for the International Association of Assessing Officers and hold certifications as an instructor from IAAO, Uniform Standards of Professional Appraisal Practices (USPAP), the Appraisal Qualification Board, and the Appraisal Foundation.



Damage Assessment Tools






Laptop





ArcGIS Online




Survey 123



My Survey123   < Download Surveys 

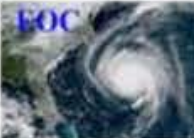

 Download Surveys



 Settings

 About

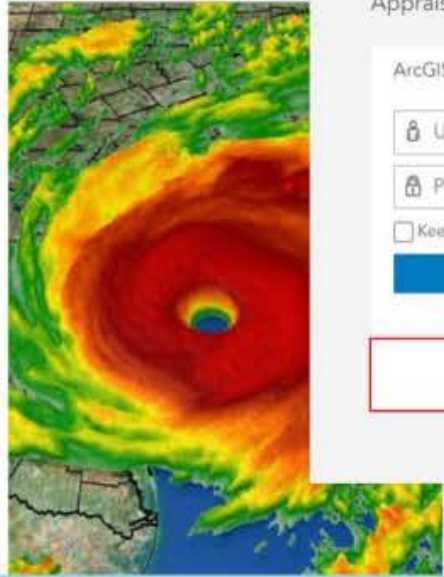
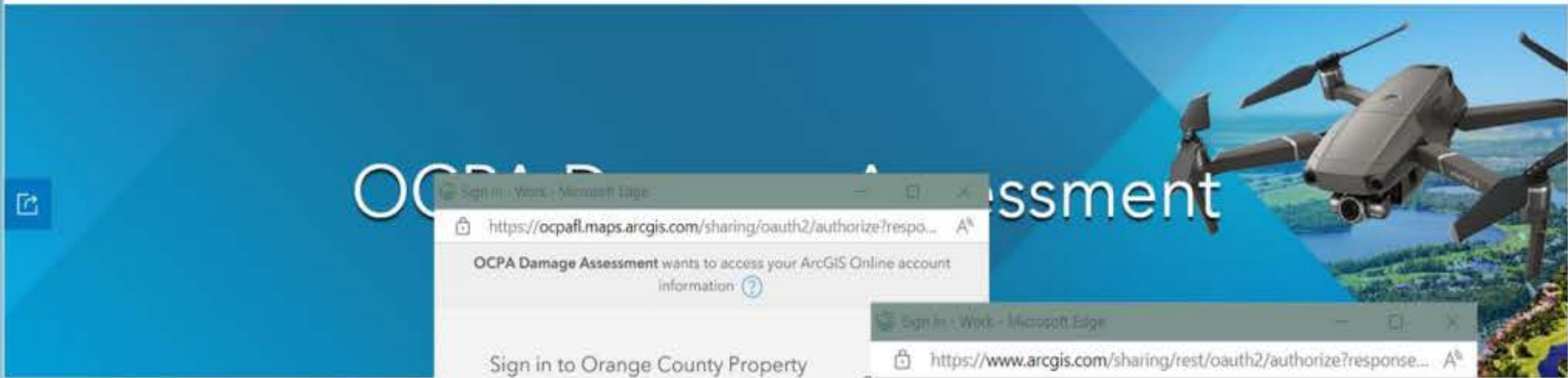
Appraiser OCPA
Damage Assess...

 Appraiser OCPA
Damage Assessment 
Modified: 6/21/22 1:24 PM

 EOC OCPA Damage
Assessment 
Modified: 6/21/22 2:01 AM

 Damage Assessment
Public Survey 
Modified: 6/1/22 1:00 PM

Version 3.14.242



Sign in - Work - Microsoft Edge
https://ocpaf.maps.arcgis.com/sharing/oauth2/authorize?respo...

OCPA Damage Assessment wants to access your ArcGIS Online account information

Sign in to Orange County Property Appraiser Office

ArcGIS login

Username

Password

Keep me signed in


Sign In Cancel

[Forgot username?](#) or [Forgot password?](#)

Not a member of this organization?
[Sign in to your account on ArcGIS Online](#)

Sign in - Work - Microsoft Edge
https://www.arcgis.com/sharing/rest/oauth2/authorize?response...

OCPA Damage Assessment wants to access your ArcGIS Online account information

Sign in 

ArcGIS login

Username





Password

Keep me signed in

Sign In Cancel

[Forgot username?](#) or [Forgot password?](#)

Your ArcGIS organization's URL

[Privacy](#)



2



ESF-19 1

OCPA Damage Assessment

Public Involvement

Working Assessment 2

Hurricane: Practice 2023



Residential Reports

7

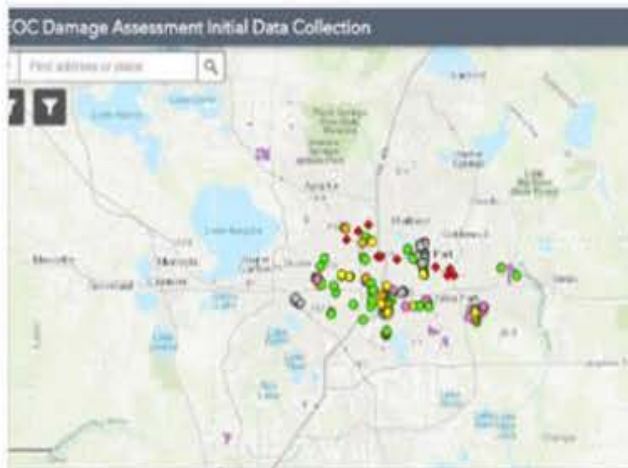
Commercial Reports

6

Mobile Home Park Reports

15

• EOC Data Collection of Damage Properties 3

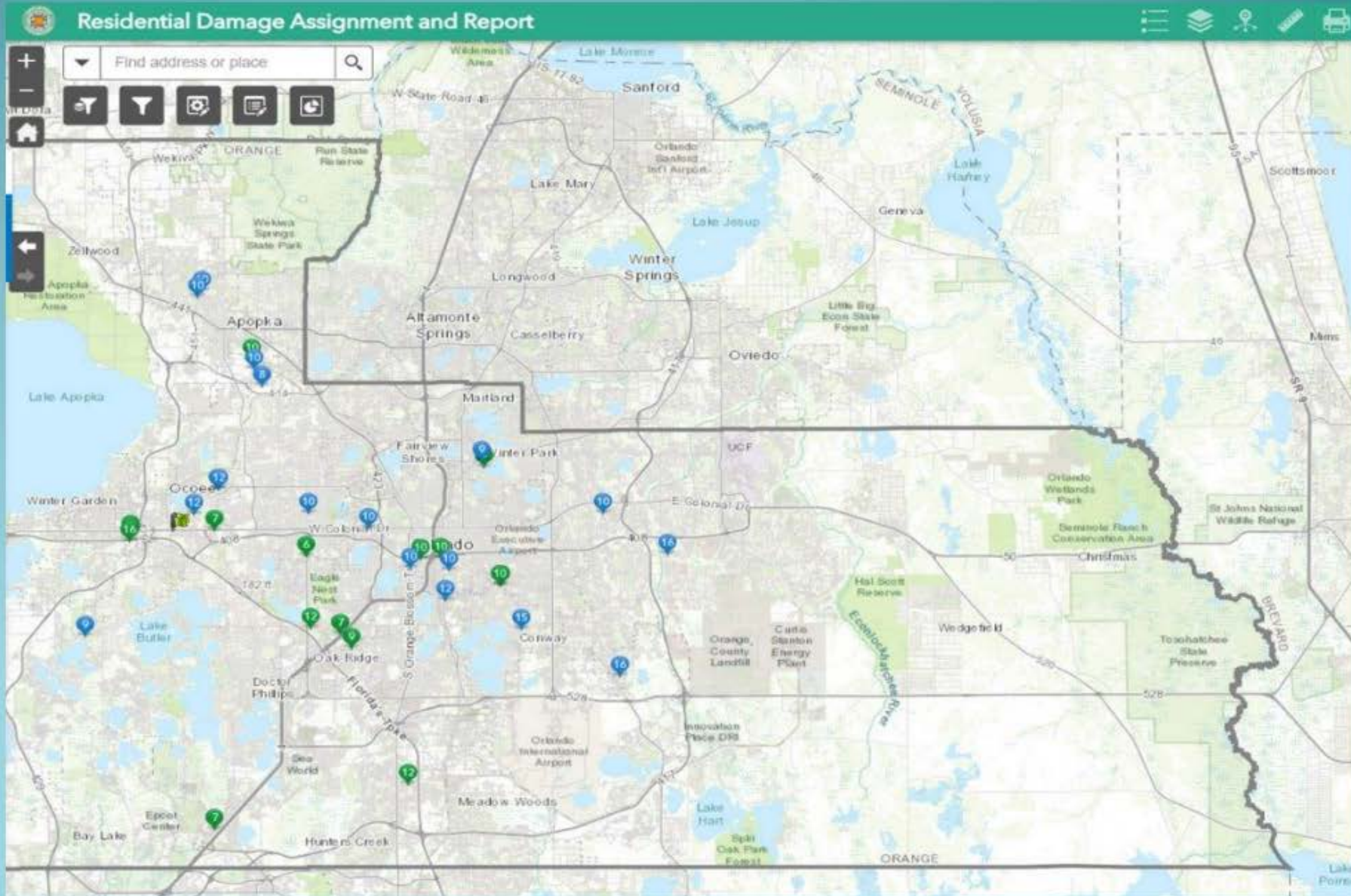


EOC Damage Assessment Initial Data Collection

EOC Damage Assessment Initial Data Collection

Input new damage reports


4



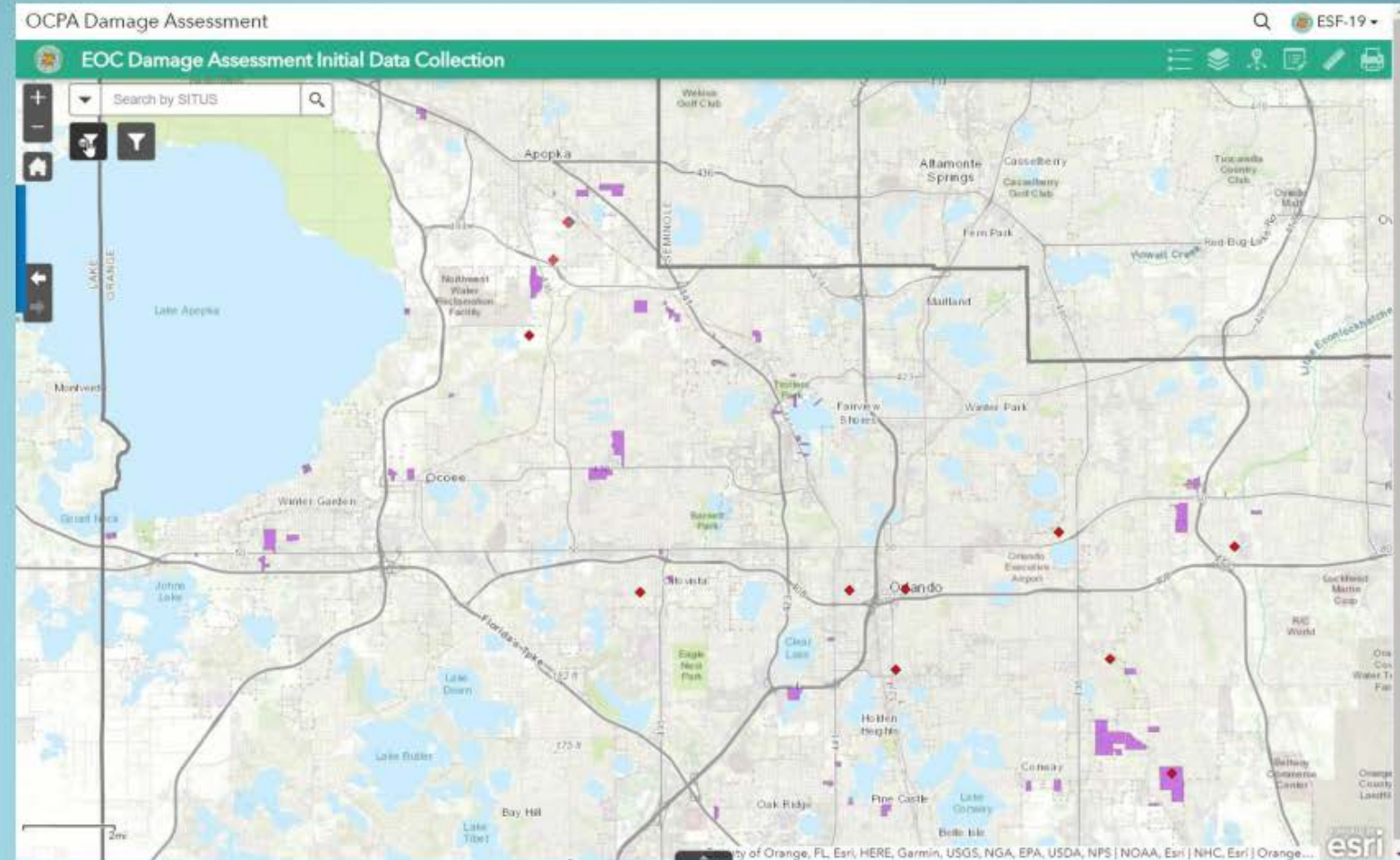
Layer List

Layers

- Verified Damage Reports ...
- Unverified Damage Reports ...
- Approved Damage Reports ...
- All Damage Reports (Building Safety Department) ...
- Residential
- Commercial
- Mobile home park
- Active Hurricanes - Forecast Position ...
- Active Hurricanes - Observed Position ...
- Active Hurricanes - Forecast Track ...
- Active Hurricanes - Observed Track ...
- NOAA TORNADO Storm Reports (24 hours) ...
- NOAA TORNADO Storm Reports (past week) ...
- NOAA WIND Storm Reports (24 hours) ...

[New Damage Report]	OCPA Damage Assessment
Verify that the correct event name is selected.	<p>HURRICANE NAME *</p> <p>Practice2022</p>
	<p>DAMAGE LOCATION *</p> <p>28°36'N 81°26'W</p> 
<p>Parcel info automatically fills based on damage location</p> <p>If fields are empty please check:</p> <ol style="list-style-type: none"> 1. Offline or no service 2. Location is outside county boundary 3. Invalid parcel 4. If none of the above, try restarting Survey 123 	<p>PARCEL NUMBER 292205386100001</p> <p>SITUS 4501 THE EQUATOR LN</p> <p>CITY Orlando</p> <p>TYPE <input checked="" type="radio"/> Residential <input type="radio"/> Commercial <input type="radio"/> Mobile home park </p>
Verify the damage location has not been reported in the database	<p>REPLACEMENT COST NEW</p> <p>CHECK IF ALREADY REPORTED IN THE DATABASE no</p>
	<p>OTHER INFO</p> <p style="text-align: right;">✓</p>

Demo: Add a new damage report at EOC (video)



Field Appraisers

Field Appraiser Tools



iPad



ArcGIS Online



Survey 123

< Inbox
< Inbox

☰ Search

SSE 5.0 mi	-5506 OAKWAY RD-292207743200380-R test Modified 6/21/22	
SSE 5.0 mi	-3504 FORESTDALE DR-292207741202060-R test Modified 6/21/22	
SSE 5.0 mi	-3497 ROLLING WAY-292207743200440-R test Modified 6/21/22	
SSE 5.0 mi	-5309 FERNHILL CT-292207827000210-R Modified 6/21/22	
SSE 4.9 mi	-5614 LEJEUNE DR-292207556400190-R Modified 6/9/22	
SSE	-5512 LEJEUNE DR-292207556400150-R	

☰ List
🗺 Map
🔄 Refresh

☰ List
🗺 Map
🔄 Refresh

Inbox
Inbox

☰

SSE
-5506 OAKWAY RD-292207743200380-R

test

5.0 mi

Modified 6/21/22

SSE
-3504 FORESTDALE DR-292207741202060-R

test

5.0 mi

Modified 6/21/22

SSE
-3497 ROLLING WAY-292207743200440-R

test

5.0 mi

Modified 6/21/22

SSE
-5309 FERNHILL CT-292207827000210-R

5.0 mi

Modified 6/21/22

SSE
-5614 LEJEUNE DR-292207556400190-R

4.9 mi

Modified 6/9/22

SSE
-5512 LEJEUNE DR-292207556400150-R

☰
List

📍
Map

🔄
Refresh

☰
List

📍
Map

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Refresh

Inbox
Inbox

☰ Search

- SSE -5506 OAKWAY RD-292207743200380-R
test
5.0 mi Modified 6/21/22
- SSE -3504 FORESTDALE DR-292207741202060-R
test
5.0 mi Modified 6/21/22
- SSE -3497 ROLLING WAY-292207743200440-R
test
5.0 mi Modified 6/21/22
- SSE -5309 FERNHILL CT-292207827000210-R
5.1 mi Modified 6/21/22
- SSE -5614 LEJEUNE DR-292207556400190-R
4.9 mi Modified 6/9/22
- SSE -5512 LEJEUNE DR-292207556400150-R

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri

☰
List

🗺️
Map

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Refresh

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List

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Map

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< Inbox
> Inbox

☰ Search

📍

- SSE -5506 OAKWAY RD-292207743200380-R
test
5.0 mi Modified 6/21/22
- SSE -3504 FORESTDALE DR-292207741202060-R
test
5.0 mi Modified 6/21/22
- SSE -3497 ROLLING WAY-292207743200440-R
test
5.0 mi Modified 6/21/22
- SSE -5309 FERNHILL CT-292207827000210-R
5.1 mi Modified 6/21/22
- SSE -5614 LEJEUNE DR-292207556400190-R
4.9 mi Modified 6/9/22
- SSE -5512 LEJEUNE DR-292207556400150-R

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri

☰
List

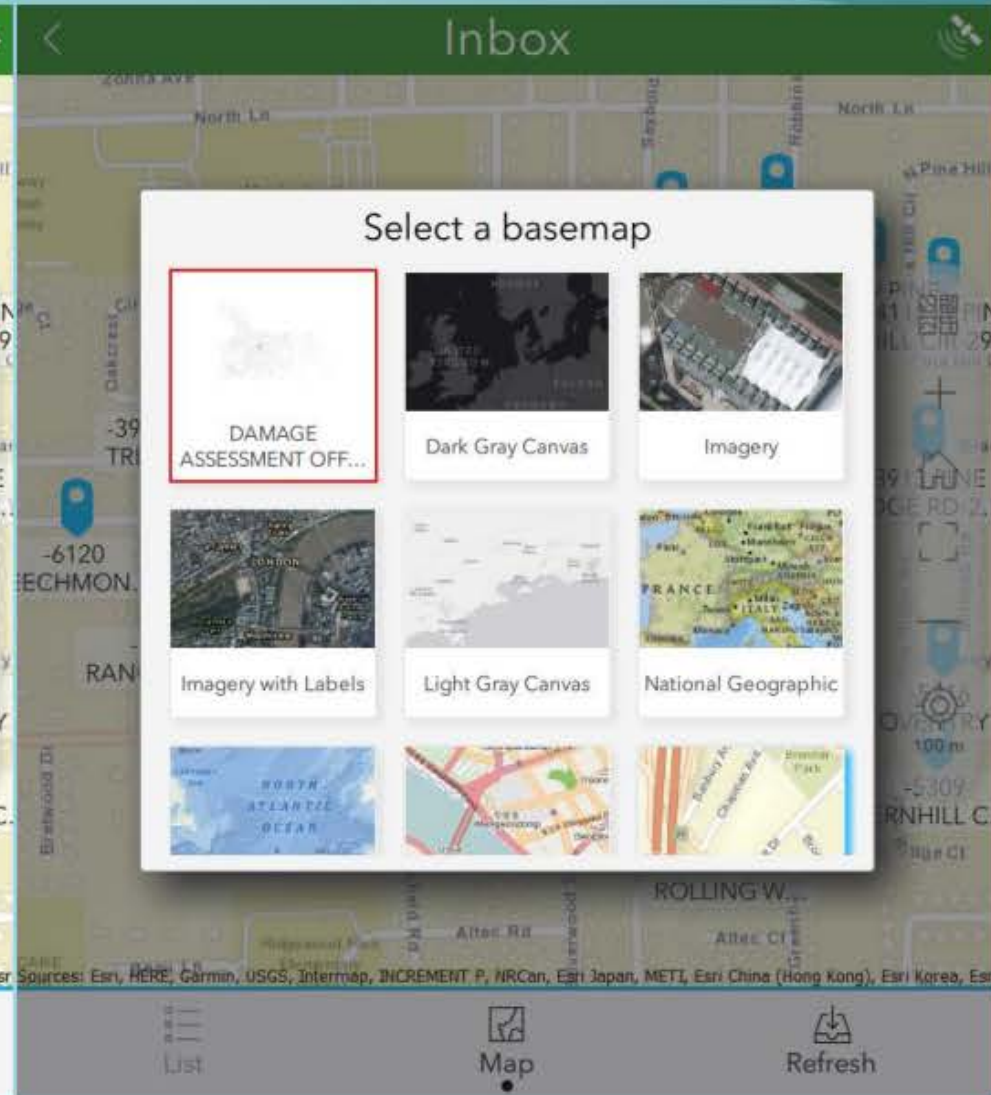
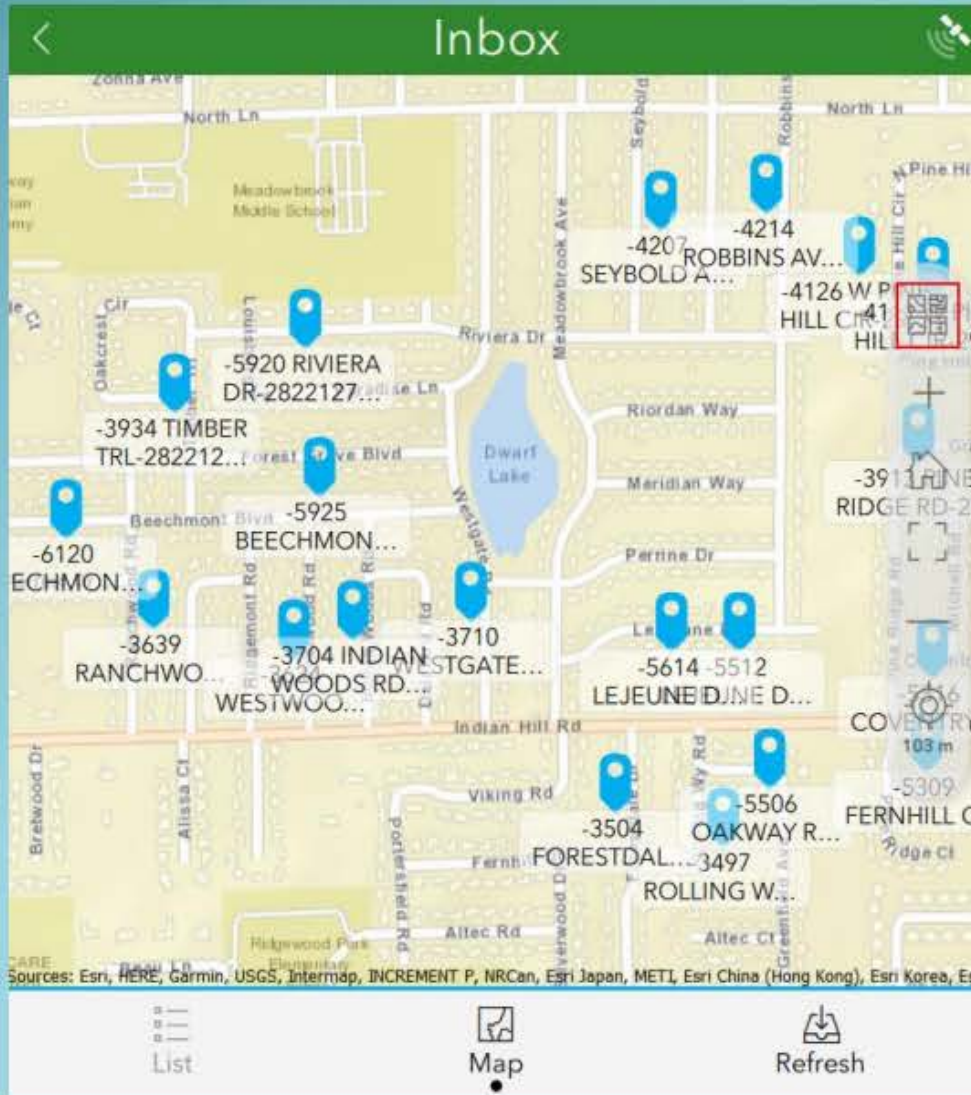
📍
Map

🔄
Refresh

☰
List

📍
Map

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Refresh



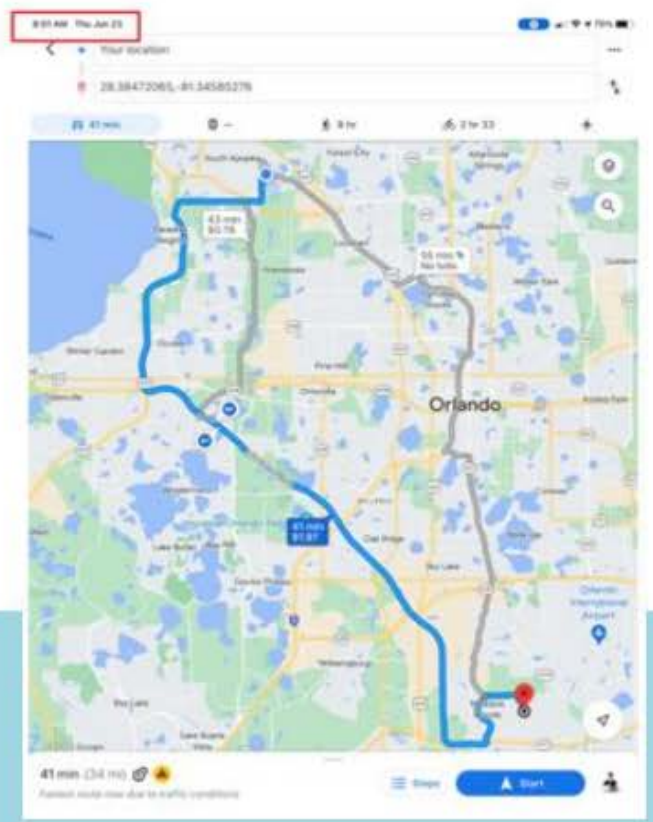
OCPA Damage Assessment

Step 3: Verify that the correct event name is selected.

HURRICANE NAME *
Practice2022

Step 4: Look up route to damage report location in Google Map if needed.

LOOK UP IN GOOGLE MAP
Look up [DAMAGE LOCATION](#) in Google Map



PARCEL NUMBER *
312408923603001

SITUS
10199 NARCOOSSEE RD

CITY
Orlando

TYPE
C

▼ DAMAGE ASSESSMENT
COMMERCIAL SURVEY

DAMAGE_TYPE	PERCENTAGE
Affected	5
Minor	20
Major	50
Destroyed	90

✕
OCPA Damage Assessment
📶
☰

▼ **DAMAGE ASSESSMENT**

▼ **RESIDENTIAL SURVEY**

PARCEL REPLACEMENT COST NEW
163743

DAMAGE SEVERITY *

●
Undamaged

●
Affected

●
Minor

●
Major

●
Destroyed

RESIDENTIAL DAMAGE COST *

0
✕

▼ **PHOTOS**

+

DATE OF SITE VISIT *

📅 Thursday, August 25, 2022
✕

NOTES

✓

Identify damage severity

Damage cost is calculated automatically

**GREEN:
Affected**

Structure has experienced minimal damage and is habitable without repairs.



**ORANGE:
Major**

Sustained structural or significant damage and is currently uninhabitable.



**YELLOW:
Minor**

Repairable, non-structural damage to a home or damage from flood waters.



**PINK:
Destroyed**

Structure is a total loss and is permanently uninhabitable.




Take photos
Add additional
photos as
needed

OCPA Damage Assessment

PHOTOS

PHOTO



damagePhoto-20220825-205908.jpg

1 of 1

DATE OF SITE VISIT *

Thursday, August 25, 2022

NOTES

PHOTOS

PHOTO OF BUILDING #

PHOTO



1 of 1

PHOTOS

+

DATE OF SITE VISIT *

Date

NOTES

Offline Data Entry

Inbox
Inbox

Search

SSE 5.0 mi	<p>-5506 OAKWAY RD-292207743200380-R test Modified 6/21/22</p>	...	
SSE 5.0 mi	<p>-3504 FORESTDALE DR-292207741202060-R test Modified 6/21/22</p>	...	
SSE 5.0 mi	<p>-3497 ROLLING WAY-292207743200440-R test Modified 6/21/22</p>	...	
SSE 5.0 mi	<p>-5309 FERNHILL CT-292207827000210-R Modified 6/21/22</p>	...	
SSE 4.9 mi	<p>-5614 LEJEUNE DR-292207556400190-R Modified 6/9/22</p>	...	
SSE	<p>-5512 LEJEUNE DR-292207556400150-R</p>	...	

List

Map

Refresh

List

Map

Refresh

9:43 AM Thu Jun 23 72%

OCPA Damage Assessment

0

1 of 1

TOTAL # OF DAMAGED BUILDINGS
1

TOTAL # OF UNDAMAGED BUILDINGS
1

TOTAL \$ OF DAMAGED BUILDINGS
0

OVERALL % OF DAMAGE(COMMERCIAL)
0%

COMMERCIAL DAMAGE SEV
Undamaged

PHOTOS

PHOTO OF BUILDING #


PHOTO


1 of 1


DATE OF SITE VISIT *
Thursday, June 23, 2022

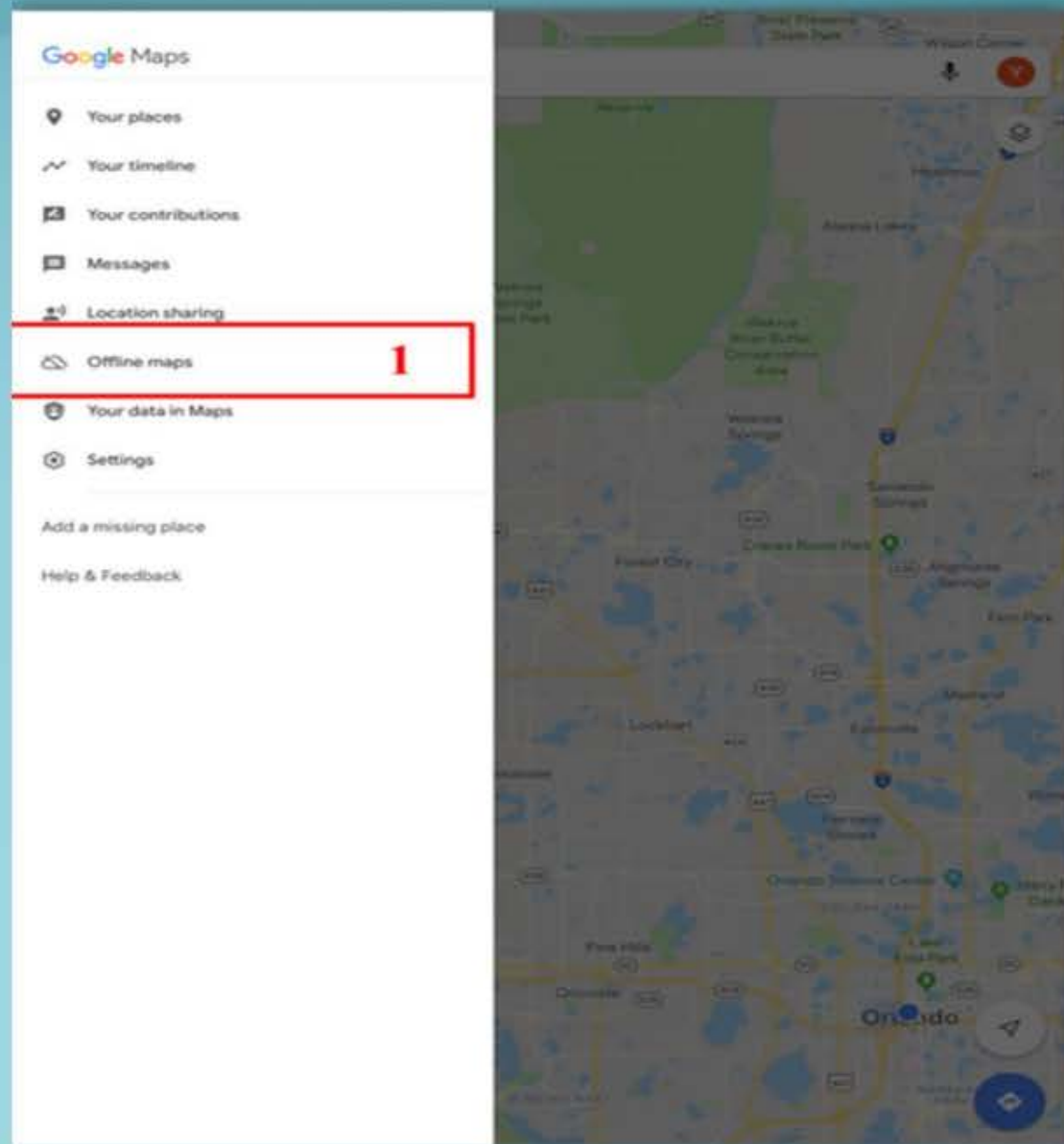
NOTES
Test

✓


Survey Completed
Your device is offline.

 Save in Outbox

 Continue this survey



Offline data entry: assigned survey

When connection returns, send completed surveys from Outbox

+ Collect >

Inbox 4 >

Outbox 1 >

Outbox

Search

SE -10615 NARCOOSSEE RD-312408160200050-C
22 mi Test ...
Modified 6/23/22

List Map Send

Dashboard

OCPA Damage Assessment
Disaster Name
Practice2022

Total estimate


\$7.75M

Map pop-up

Residential Properties Damage	
PARCEL NUMBER	292207705001020
SITUS	3606 PINE RIDGE RD
CITY	Orlando
DAMAGE SEVERITY	Affected
RESIDENTIAL DAMAGE COST	8,241.95
DATE OF SITE VISIT	6/23/2022

Damage photos

PARCEL ID: 302419730402880
SITUS: 3739 ISLAND GREEN WAY, Orlando



damagePhoto-20220623-155638.jpg


Damage reports

- Damage Severity: Minor
Damage Estimate: 77,840.40
- 1120 CARRINGDALE DR, Orlando
Damage Severity: Destroyed
Damage Estimate: 268,258.50
- 321 ROCKAFELLOW WAY, Orlando
Damage Severity: Major
Damage Estimate: 150,715.50
- 14062 MAGNOLIA GLEN CIR, Orlando
Damage Severity: Affected
Damage Estimate: 19,529.95

Damage counts by severity

Affected	Minor	Major	Destroyed
24	25	16	19

Pie chart: damage by severity



Note: Click on a pie slice and see the related records on the map

Note: Select a damage report and see the related photos

Emergency Management Communication



Microsoft Teams

Team name

Emergency Management

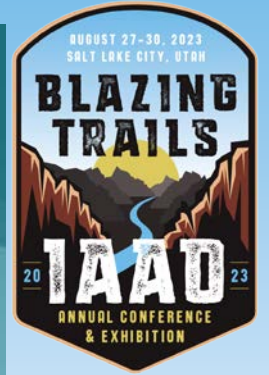


Description

Our Emergency Management team channel is dedicated to thorough planning, preparation, response, and recovery from emergency situations.

Q & A





Thank You



Rosana Fonseca
Chief of Staff
rfonseca@ocpafl.org



Terry Taylor
Director, Residential Valuations
ttaylor@ocpafl.org



