



#### What?

 Categorize damage impact for "structures" in event area



#### How?

- Integrate geospatial data
- Use technology to automate process



#### Where?

 Anywhere data exists



### When?

 As fast as possible

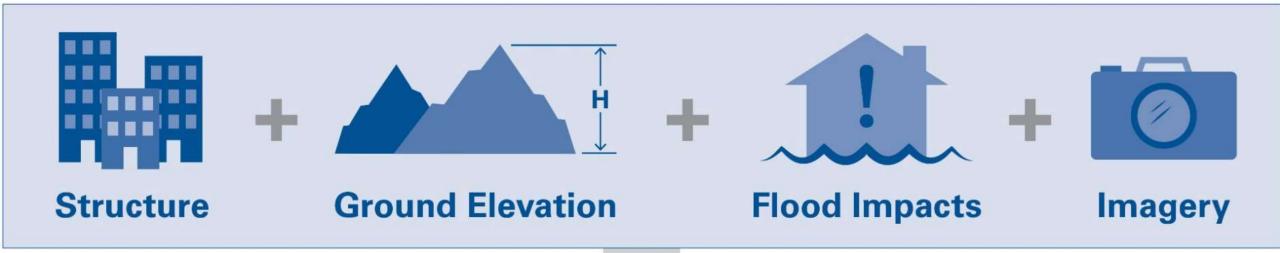


### Why?

- Understand event magnitude
- Assist with recovery and mitigation efforts

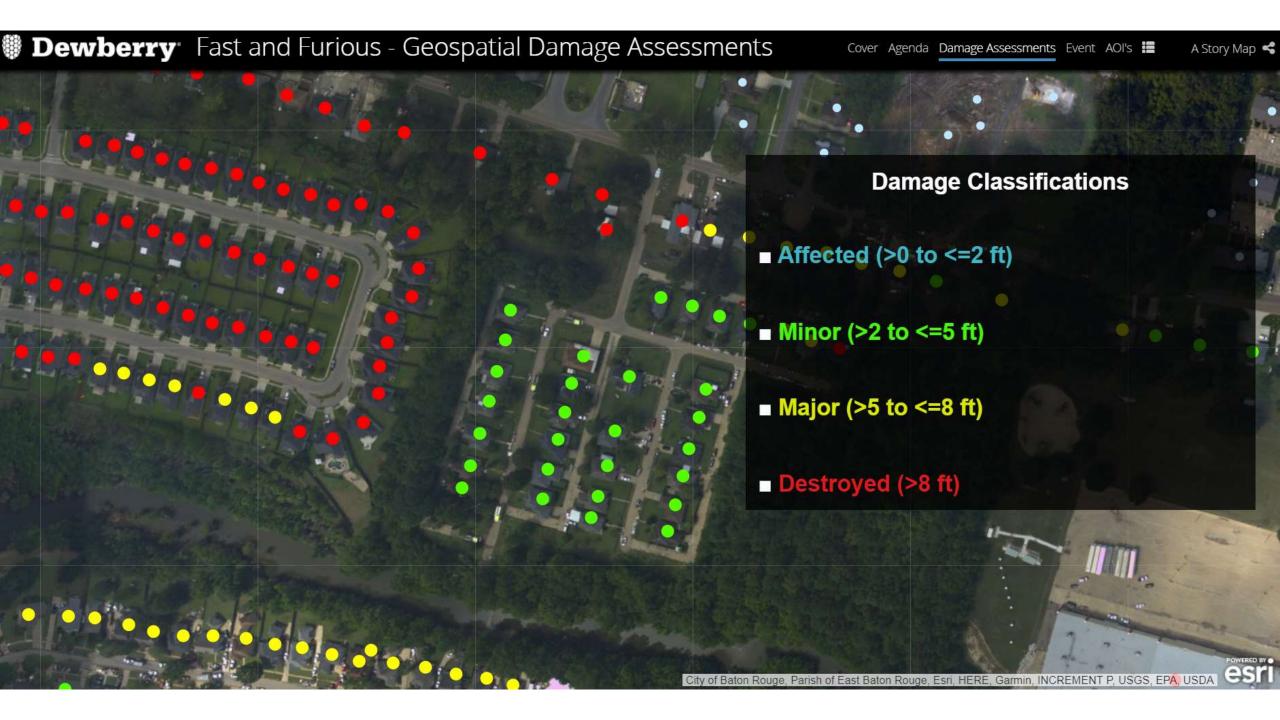
**Geospatial Damage Assessments** 

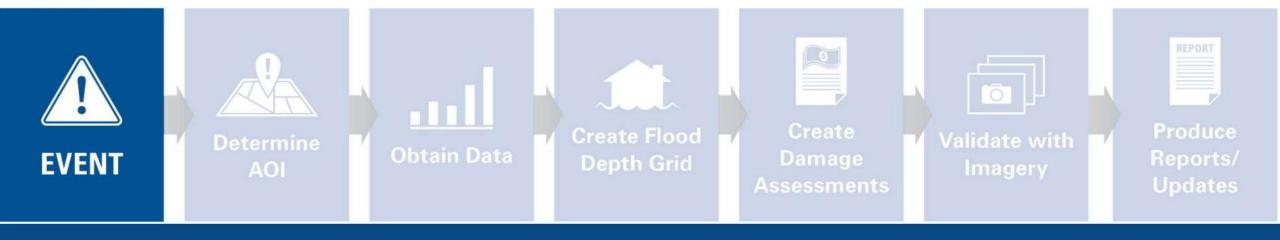
# Inputs & Output





**Damage Assessments** 

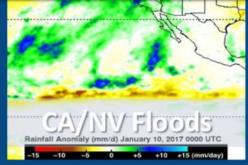


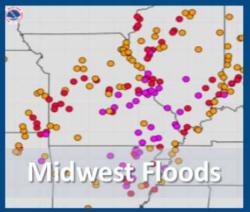




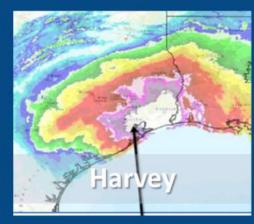






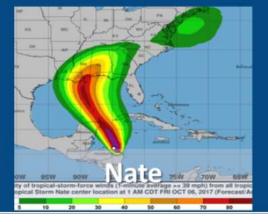






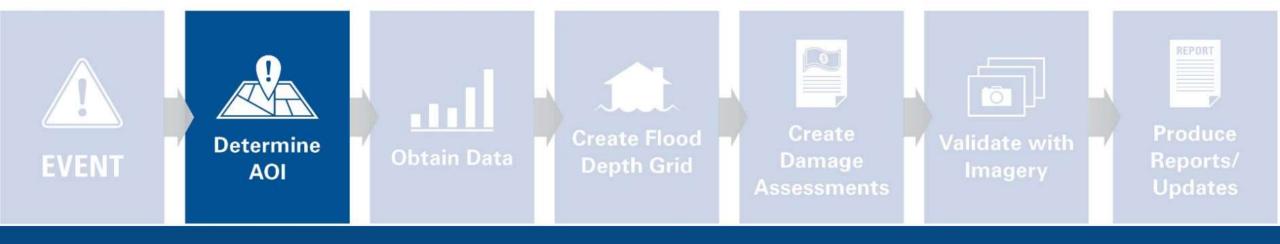






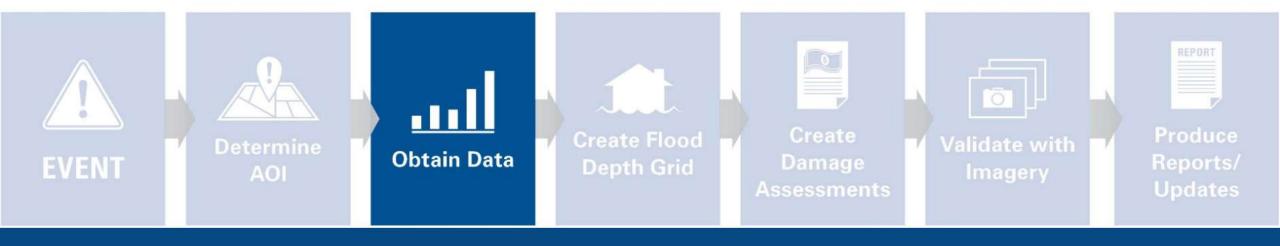


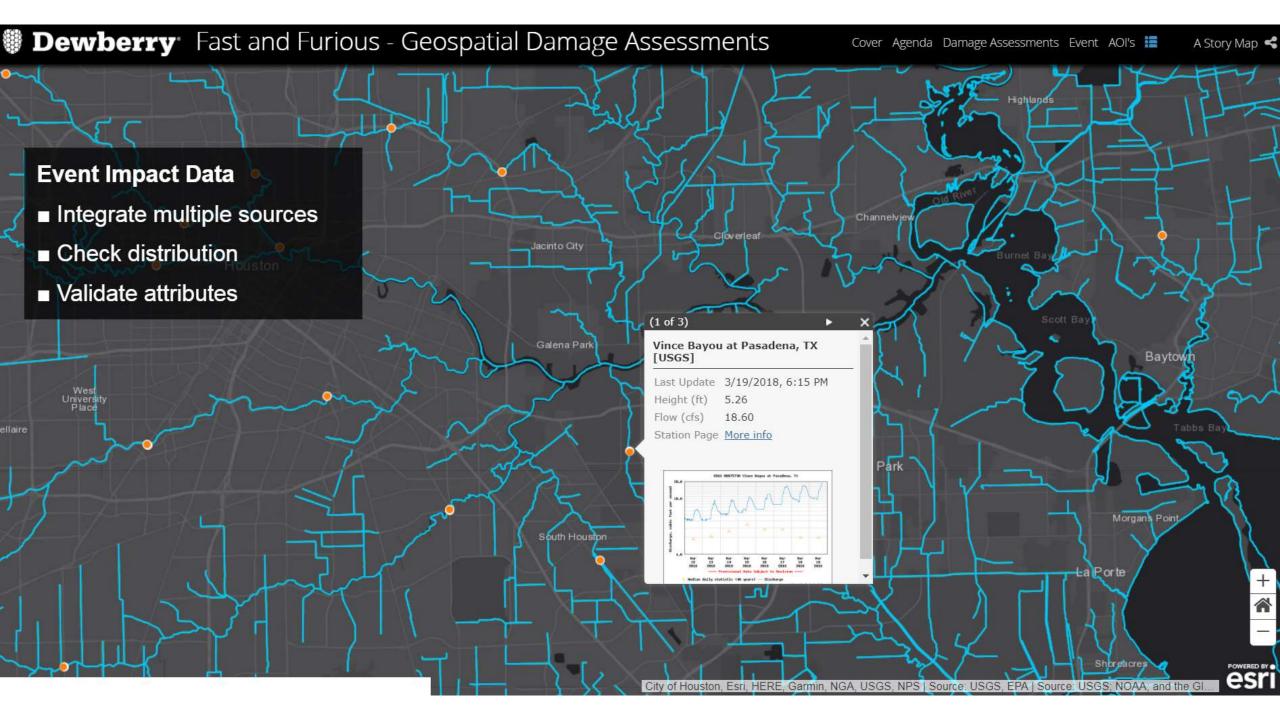






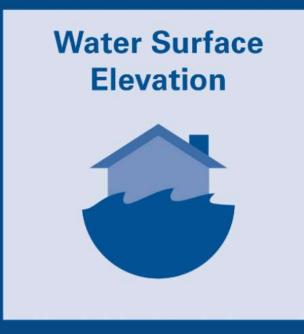




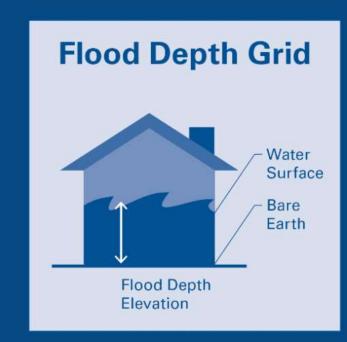




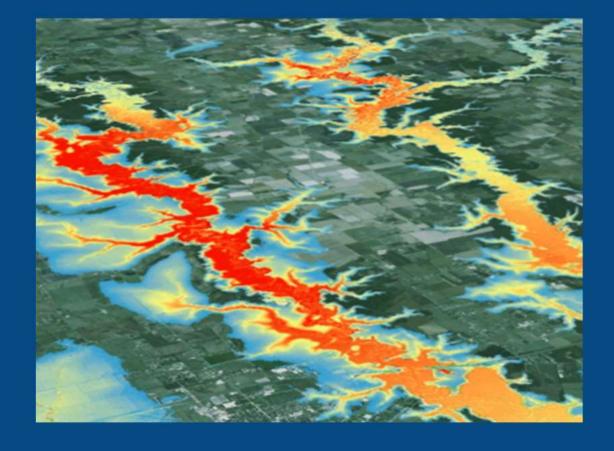


















### **Dewberry** Fast and Furious - Geospatial Damage Assessments

### **Data Manipulation**

- Remove "vacant" structures
- Normalize schema

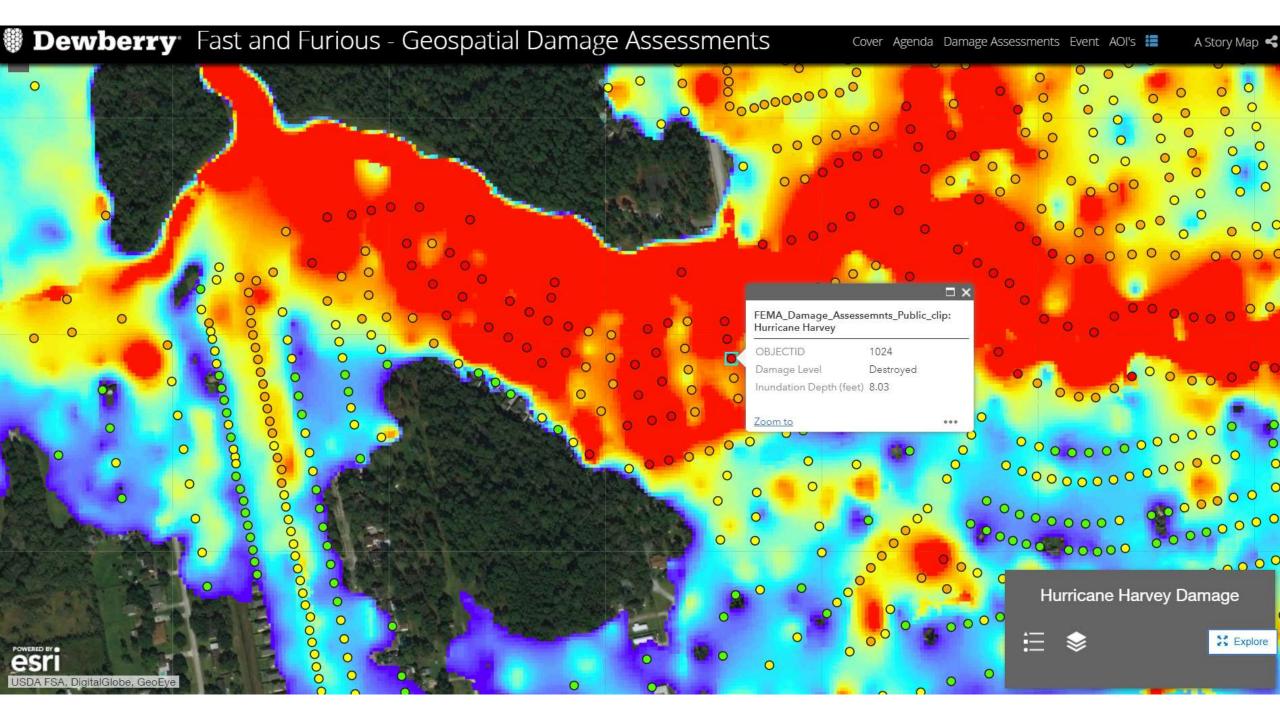


- Generalize attributes
- Visual review





37	WNSHIP	SECTION	LATITUDE	LONGITUDE	TYPE_CODE	PCL_CITY	LAND_USE_T	LAND_USE	M_HOME_IND	ZONING
N	ull>	<null></null>	39.51164	-119.640688	CEN	SPARKS	<null></null>	<null></null>	<null></null>	<null></null>
91		16	39.511661	-119.640857	CEN	SPARKS	SFR	163	<null></null>	PUD /



















**Civil Air Patrol** 

**Pleiades** 

**NOAA** 



**Harvey Damage Assessment** 



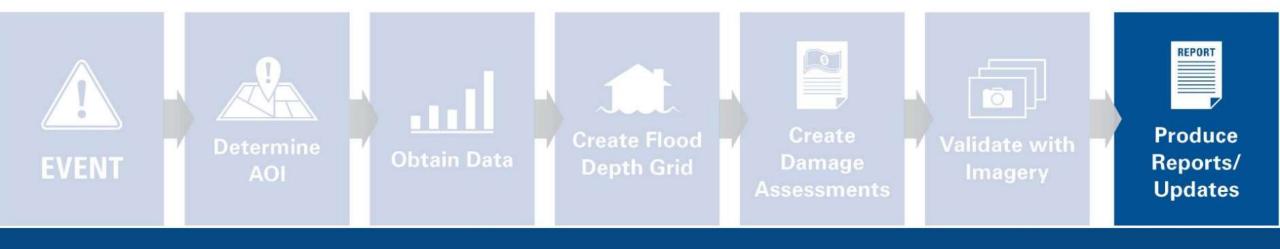
**CAP Image** 

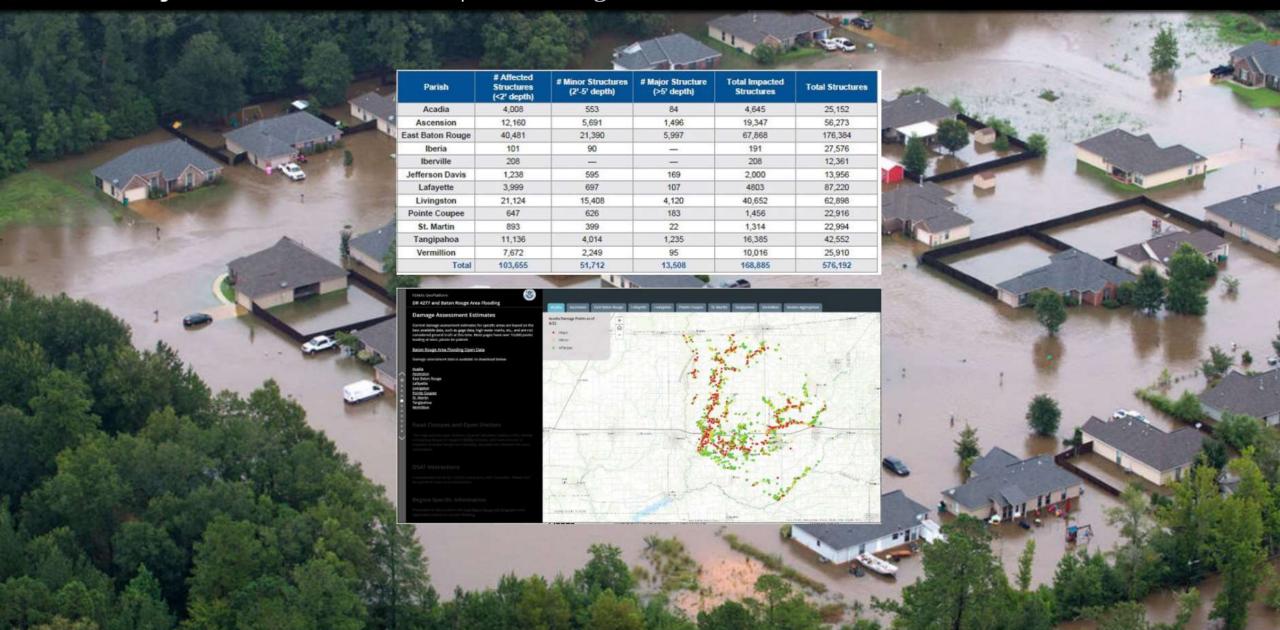














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