

# ArcGIS Online as a Flood Recovery Application

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City of Longmont, Colorado

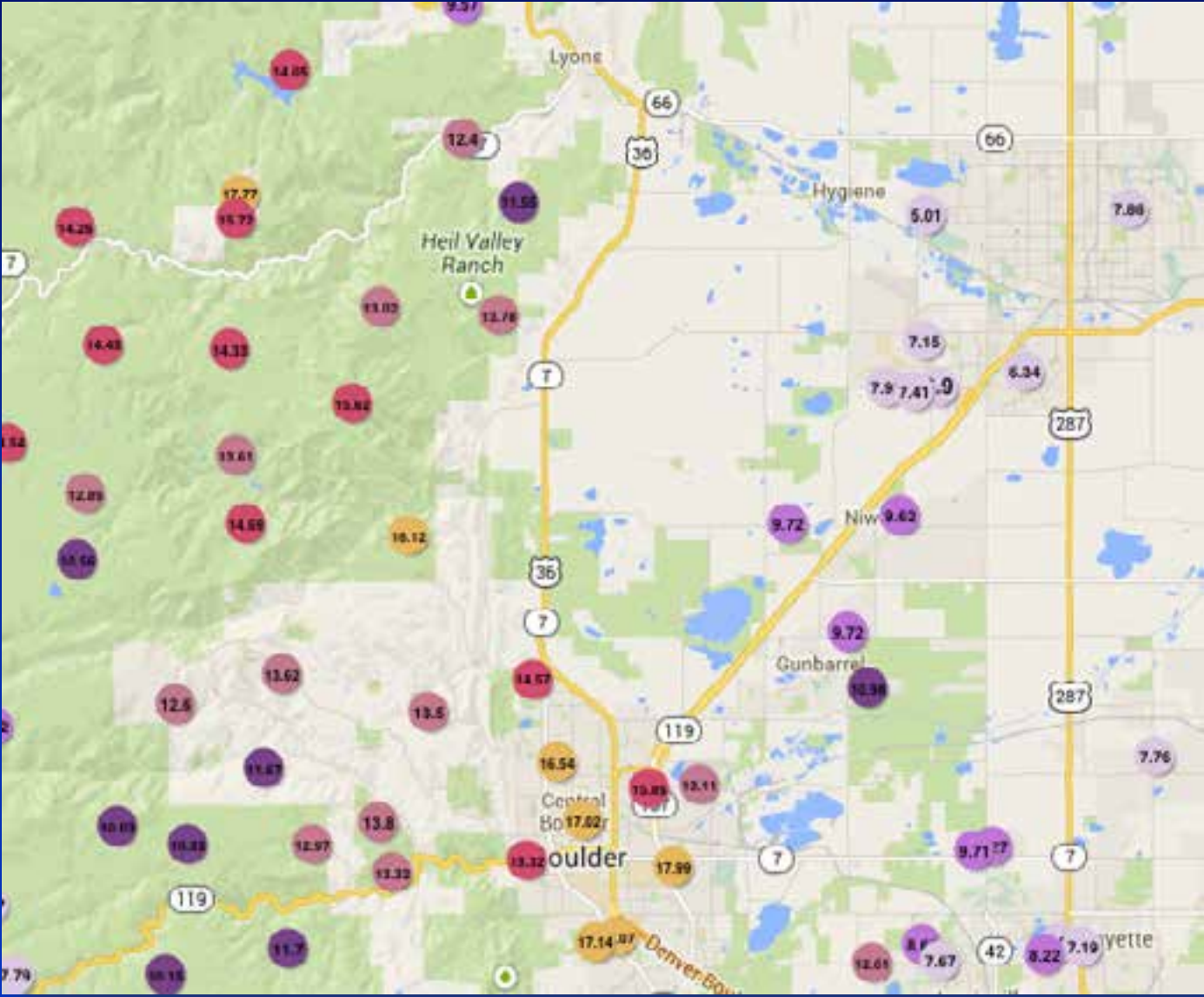
# ArcGIS Online for Infrastructure Assessment

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# A Bit of Rain...



# A Bit of Rain...

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# Critical Infrastructure Damaged

Streets

Bridges

Water system

Sewer system

Storm drainage system

Parks

Greenways

Irrigation ditches

# Infrastructure Assessment

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Engineers and inspectors collecting data

Hundreds of handwritten notes

Entered and located manually

Photos too

Resulted in this map...

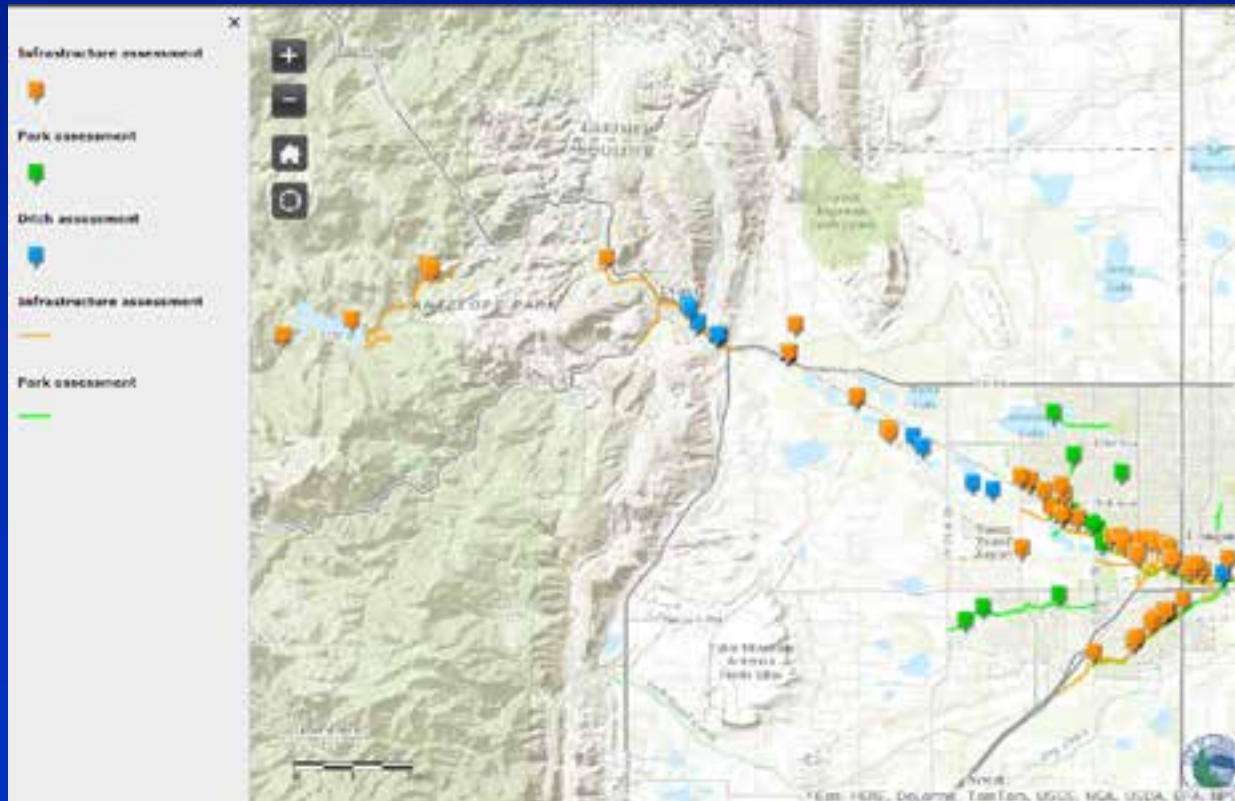


44" x 86" (111 x 218 cm)  
Dozens of labels and callouts  
An hour to print



# A Web Map

Solution to size and complexity  
Photos and documents attached





# Web Map Advantages

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Portable

Meetings

Shareable

Everyone's desktop and mobile device

Zoom-able

See the details

Up to date

# Not All Problems Solved

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Hand collected data = hand entered data

Geolocation

Photos

All named EC07889.jpg

Duplicates

More work

New data

Updating

Corrections

# Field Collection Assessment

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Local Power Company

Later in the game

More time to plan data structure

Want to collect data in the field

# Collector Application

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Tablets and phones

Data immediately available

Restrictions on data collected

Fields and domains

Web map in AGO

# After the Flood

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Spring runoff planning

Templates

Other departments

# Outcomes

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Do plan for web maps

Do plan for field collection

Culture of collectors

- Tech savvy

- Buddy system