

Mapping Hazards & Risk Mitigation with Satellite Imagery

DigitalGlobe FirstLook coverage of the September 2013 flooding



September 11, 2013:
Massive flooding reported
in Boulder County.
Evacuations ordered for
mountain areas, with the
front range on stand-by;
Roads were closed or
washed out, stranding
residents and prompting
rescue efforts.

DigitalGlobe activated
FirstLook to cover the
flooding event.

FirstLook Event Service
NATURAL DISASTER

DigitalGlobe™

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FirstLook Event: Colorado Flooding was created on **2013-09-12**

Torrential rain has caused flooding and destruction across the Colorado front range. Cities under evacuation orders include Jamestown, Lyons, Boulder and Longmont. Many roads have been closed or washed away leaving residents stranded and prompting rescue efforts. Rain totals have reached record levels and more rain is forecast over the coming days. Two deaths have been confirmed in Boulder County.

Coverage: http://www.denverpost.com/breakingnews/ci_24079087/colorado-flood-boulder-creeks-flood-homes-swamp

Latitude: 40.0255° N | Longitude: 105.2731° W

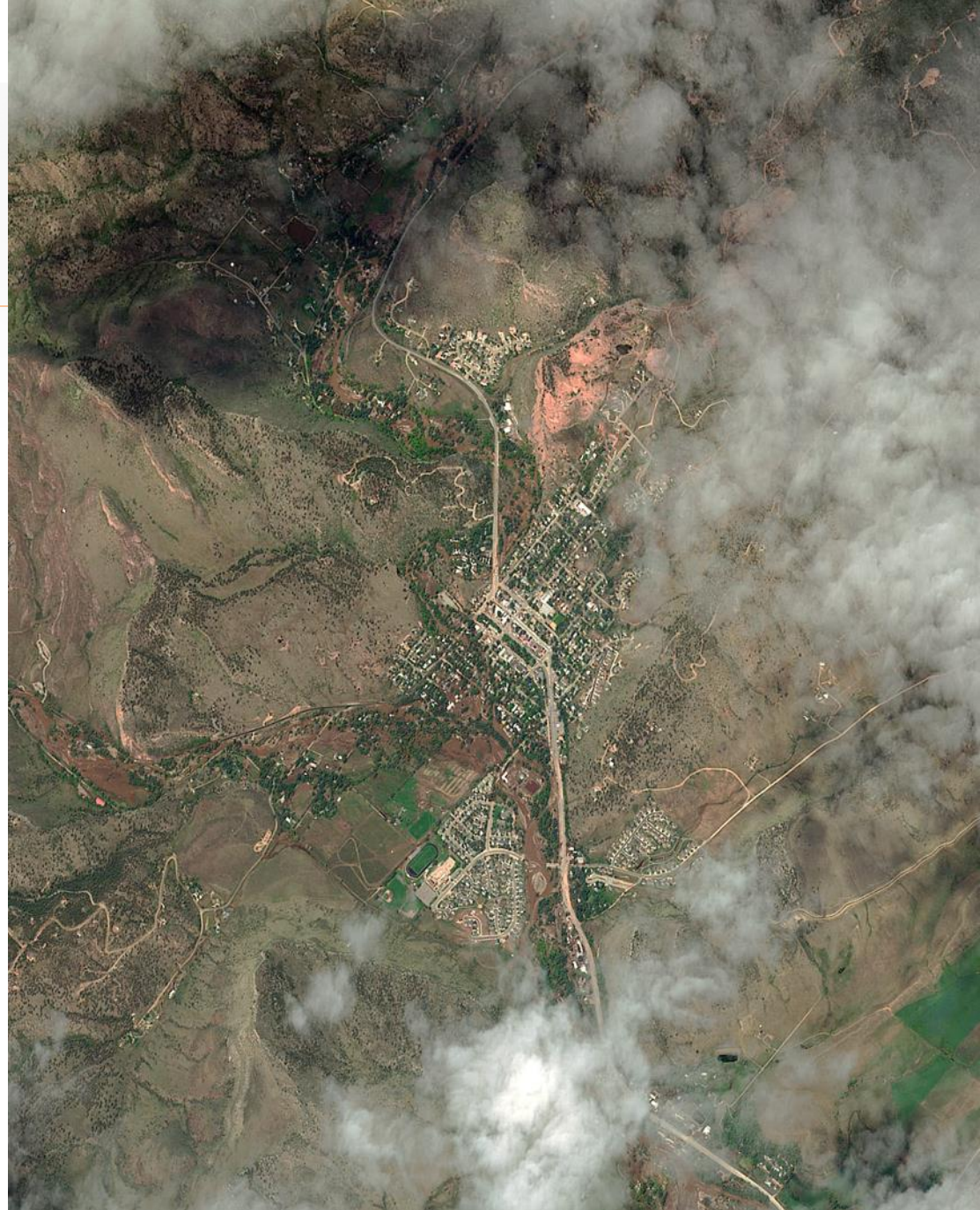
To find out more on this, and other FirstLook events, visit the [FirstLook Coverage Page](#).
To find out more information on the FirstLook product, visit the [FirstLook Product page](#).

FirstLook Monitoring Team

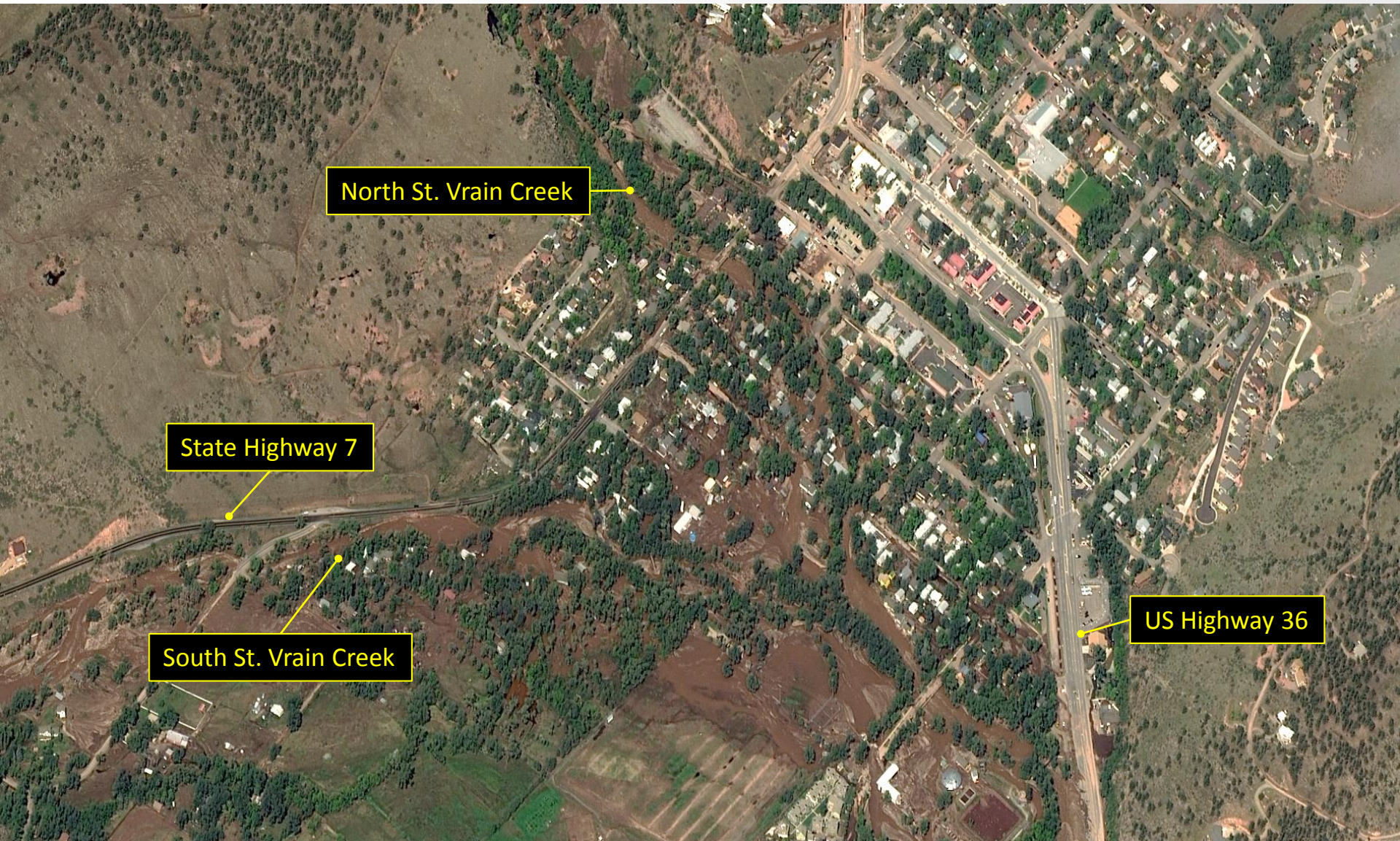
DigitalGlobe © 2015

What is FirstLook?

- FirstLook is DigitalGlobe's solution for emergency management and emergency response
- FirstLook provides imagery coverage of impacted areas from before, during and after a crisis
- Imagery is available online and via GIS tools within hours of collection



Imagery shows considerable flooding in the area of the confluence of the North and South St. Vrain creeks in Lyons



Imagery shows destruction of the McConnell Drive bridge, which provides primary access to neighborhoods and schools in the area.

Ongoing flooding is also visible along the St. Vrain River that exits Lyons to the southeast.

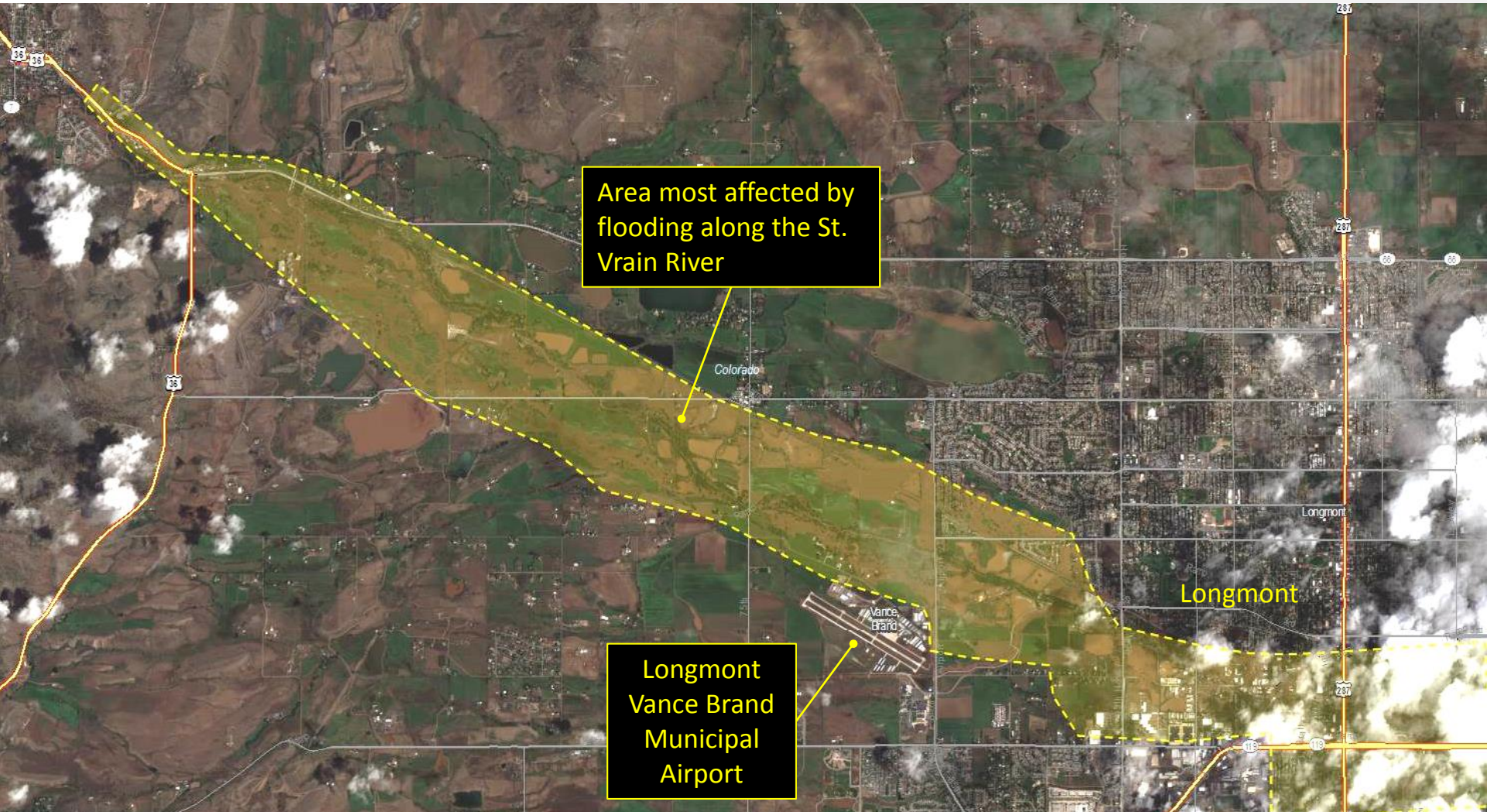


Southwest of Lyons, along the South St. Vrain Creek, imagery shows extensive flooding and damage to CO Highway 7.



So what made FirstLook valuable?

Satellite imagery of the area provided a much needed overview of the extent and locations of the damage.



Imagery of flooding along Airport Road in Longmont





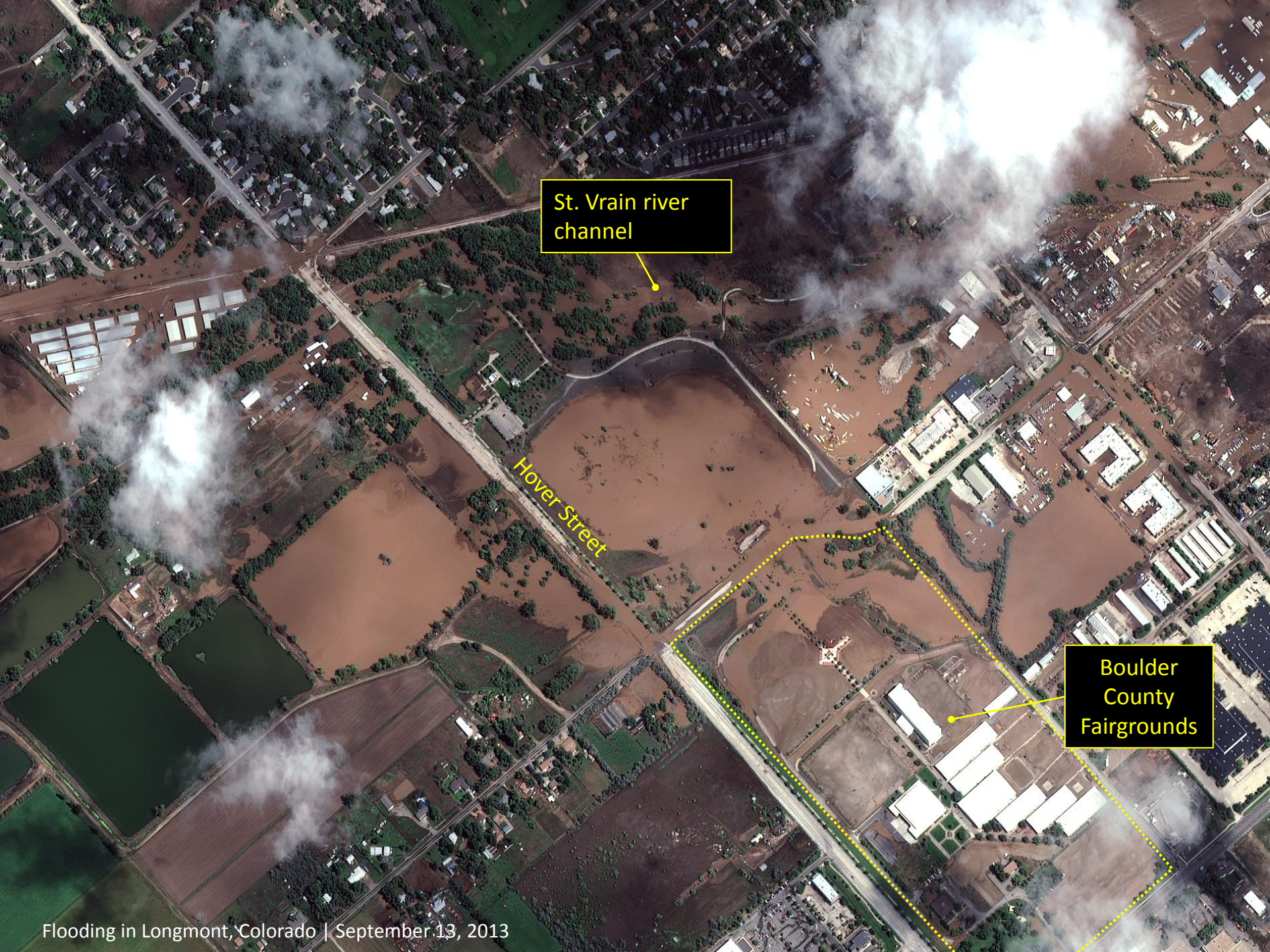
The Greens neighborhood

Twin Peaks Golf Course

Airport Road

West 9th Avenue

BNSF railroad

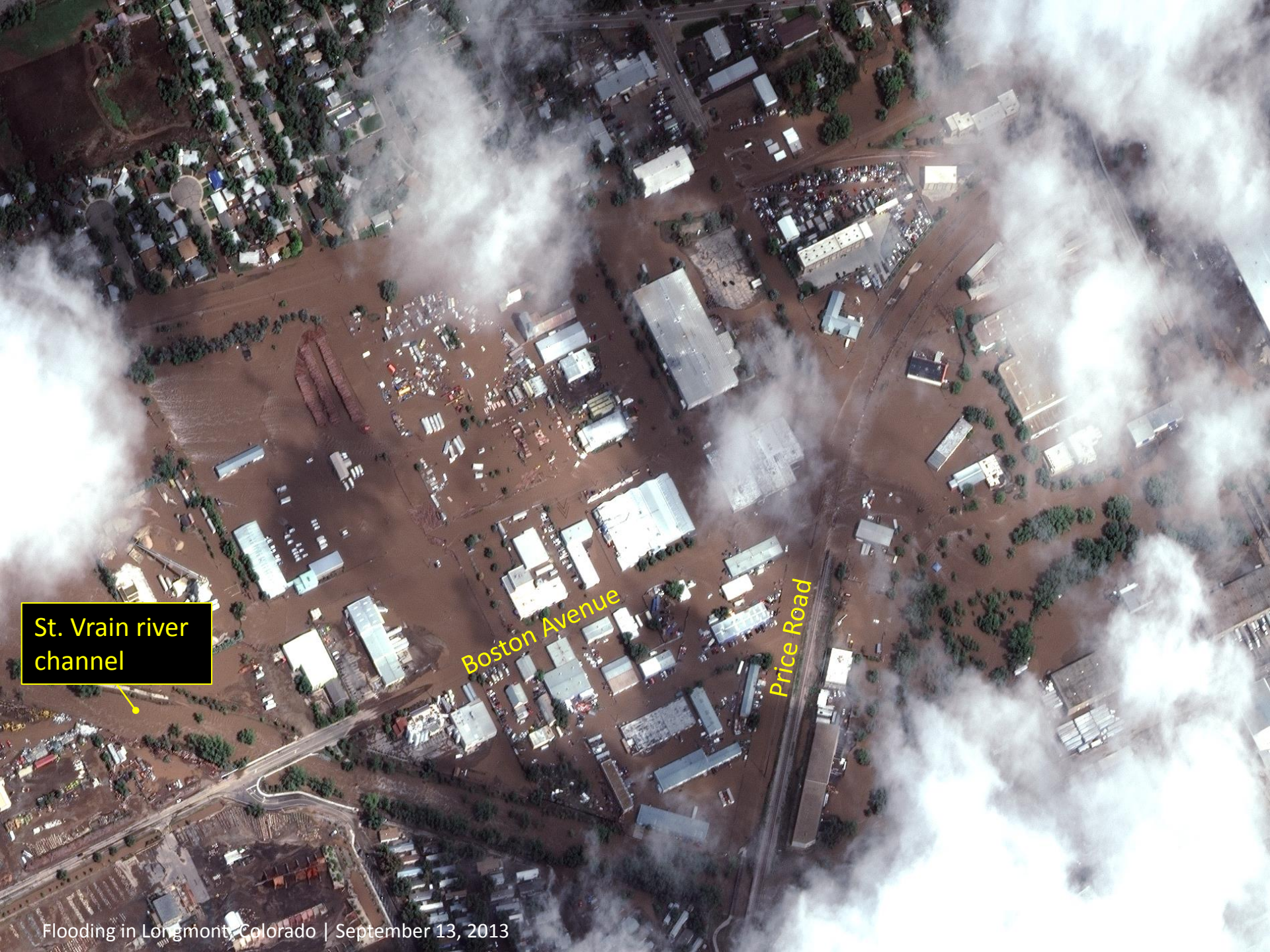


St. Vrain river channel

Hover Street

Boulder County Fairgrounds

Flooding in Longmont, Colorado | September 13, 2013



St. Vrain river channel

Boston Avenue

Price Road



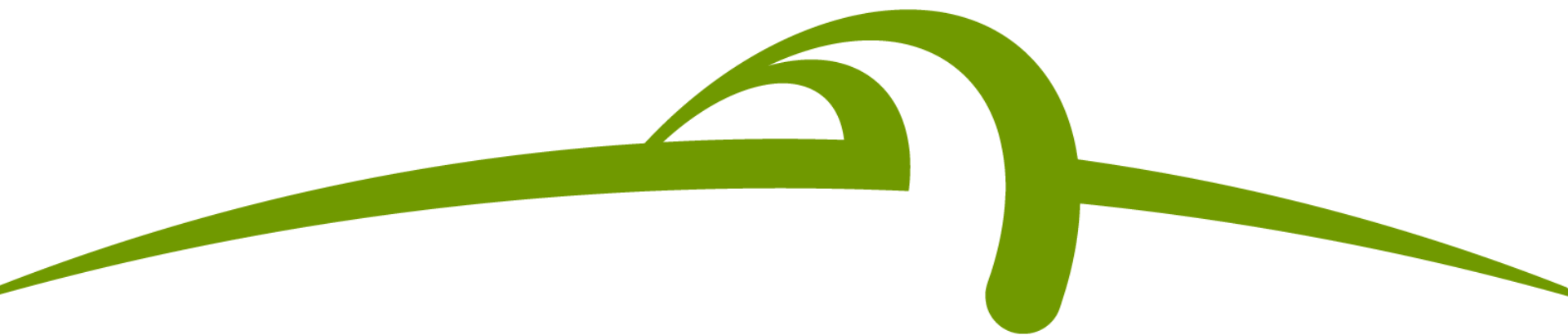
North 95th Street

Boulder Creek
channel

What's next?

- Imagery is a valuable resource for mapping hazards and assessing risk
- Satellite imagery provides the necessary overview of impact areas during and after an event
- FirstLook is an imagery service providing access to imagery online or from GIS tools which includes
 - a current imagery basemap for mitigation and preparedness
 - immediate new imagery coverage of crisis events for response and recovery





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