

# State of Colorado LiDAR Status

- QL2 or better
  - QL2 – 2 points per meter, QL1 – 8 points per meter
  - Vertical accuracy – 1/10 meter for QL1 and QL2
- 70% of Colorado covered (73,000 sq. miles)
- Time range
  - 2008 – 2018
  - 2013 post flood project
- Main State Agencies DNR-CWCB and CGS
- Other State Agencies – CDOT, DNR-OGC



# State LiDAR

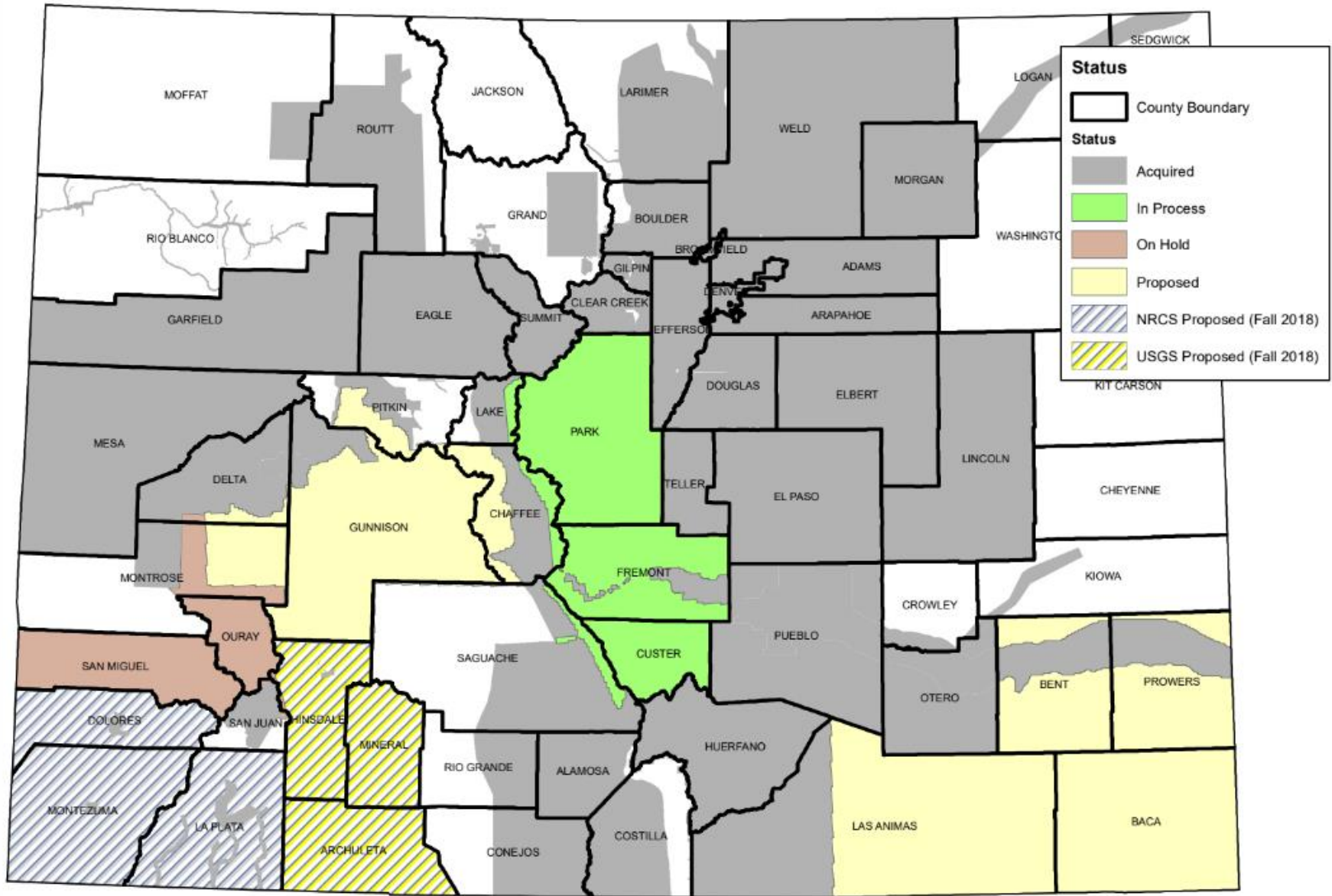
- USGS 3Dep
  - Products
    - LAS (Point Cloud)
    - DEM
    - Contours
    - Metadata
- Partner agencies
  - FEMA, USGS, NRCS, Counties, Cites, Regional Groups, DIA, and others



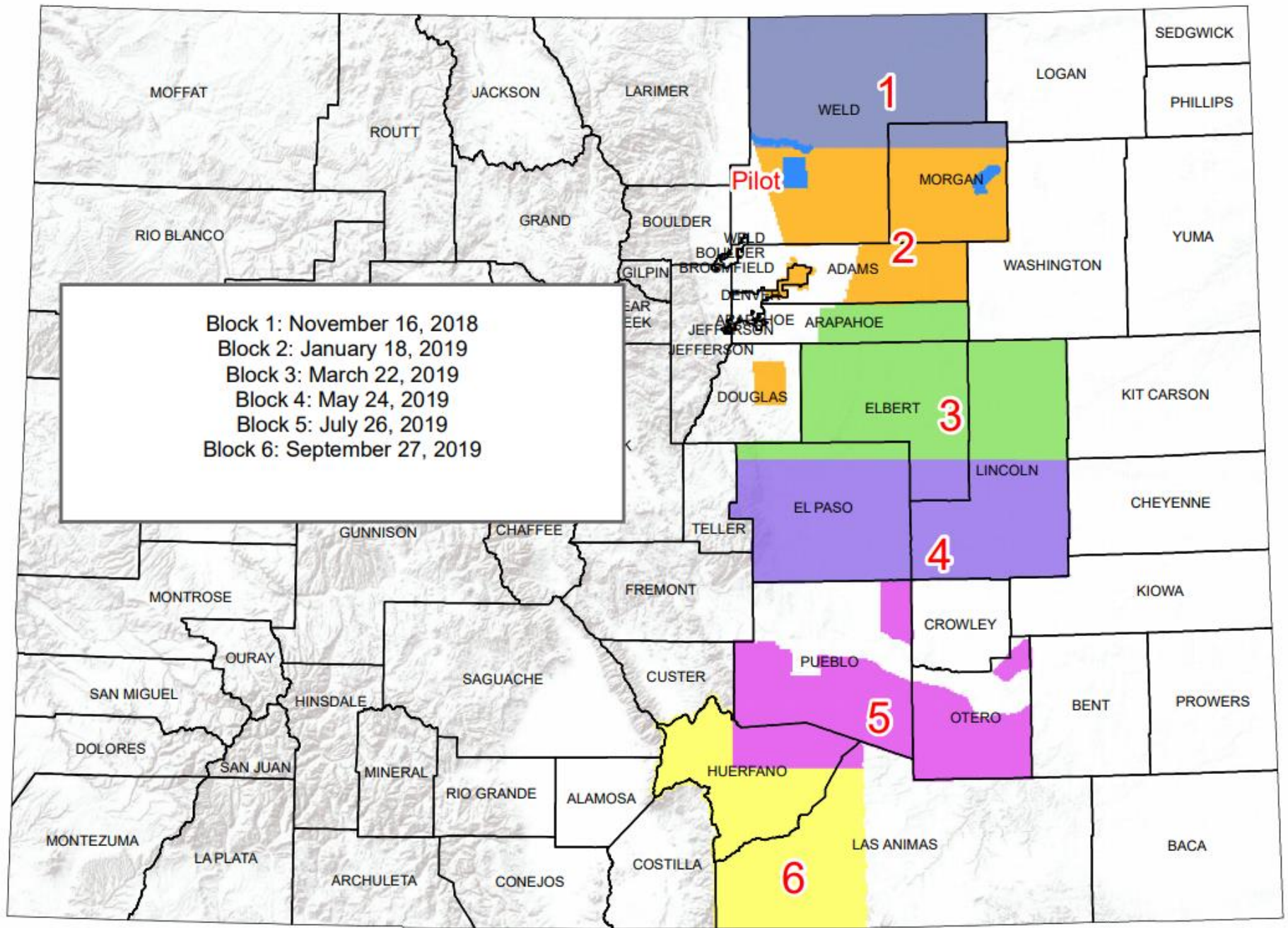
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## LiDAR Acquisition Status in Colorado November 8, 2018



**Colorado Central Eastern Lidar Data Delivery Blocks**

# CWCB Hazard Map

<http://coloradohazardmapping.com/lidar>

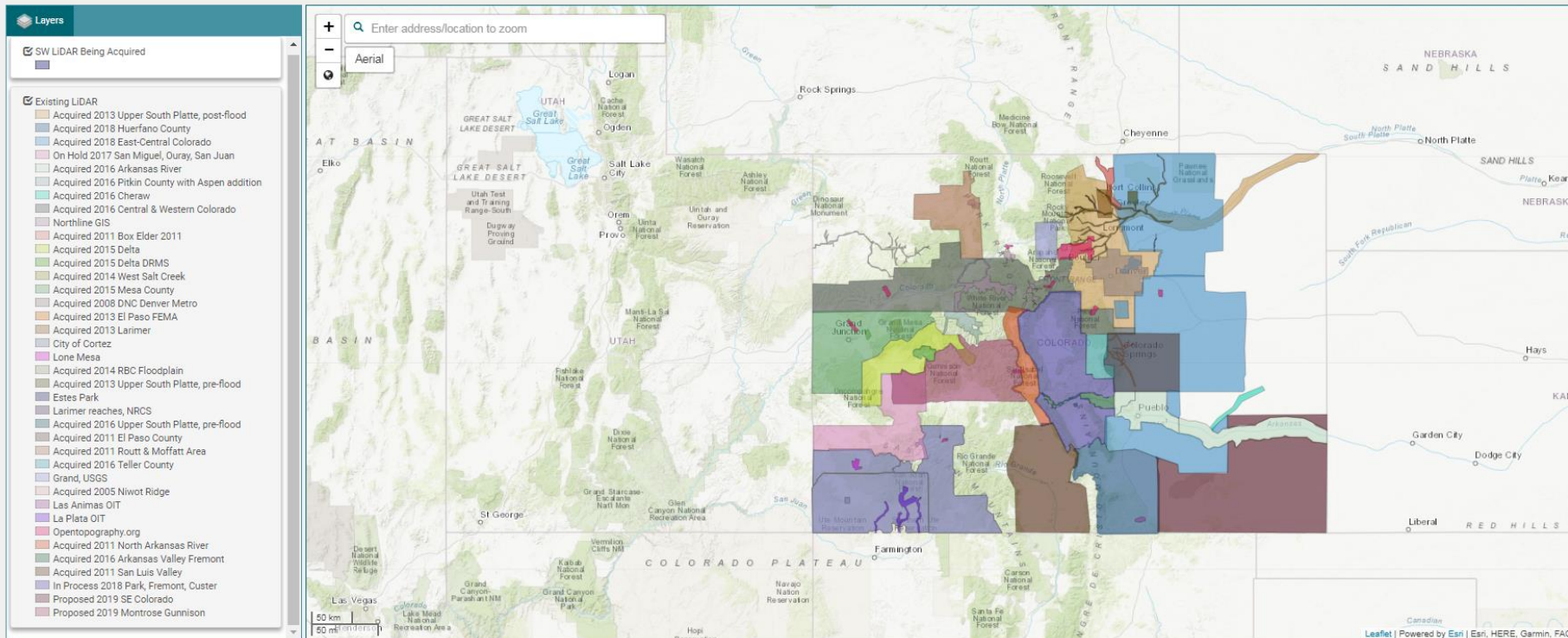
Colorado Water Conservation Board | Colorado Hazard Mapping & Risk MAP Portal

HOME CO HAZARD MAPPING COLORADO RISK MAP MASTER CALENDAR DATA LIBRARY FAQs LIDAR REQUEST COMMUNITY RATING SYSTEM (CRS)

Search Portal

## LiDAR Data

Current and planned LiDAR coverage is shown on the map below. Please review and if available where desired complete the LiDAR Request Form.



# Current LiDAR Request

## LiDAR Request Form

\* Required

### Requester Information



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Agency or Company Name \*

Your answer

Requester Name \*

Your answer

Email Address \*

Your answer

Phone Number \*

Your answer

Date needed \*

Date

mm/dd/yyyy



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# Coming Soon

- Hexagon Apollo interactive system
  - Select your area
    - Clip > Zip > Ship
      - Email link
      - Download
    - Limits on size of selection will be set
  - Timeframe
    - 1 month????
  - Future
    - All GIS data will be made available through this system
      - Replaces Geodata Cache, FTP, manual request



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# CDOT Pilot Project

- I70 West
  - Mobile LiDAR Mapping System (MMS)
    - Road Corridor
    - 25 linear miles
    - 1124 points per meter
    - 3,200,479,090 points
    - 540 Aerial Image Photos
  - Inventory (signs, markers, etc...)
  - Road condition (surface, paint, slope, etc..)
  - Bridges, guardrail and Culverts
    - Location
    - Condition

