



Geologic Hazards	Notes	Data Source	Data Link
Floodplains	Considered as potential Geologic Hazards and determined by the Professional Geologist to not constitute significant hazards to public health, safety or property, as addressed in the Geologic Hazard Plan.	COGCC	https://cogcc.state.co.us/documents/data/downloads/gis/Floodplain_Colorado_100yr_Preliminary_8_7_2015.zip
Coal Mines and Undermined Mine Areas		Colorado Geologic Survey	https://cologeosurvey.maps.arcgis.com/apps/webappviewer/index.html?id=1891e3149eda44af9dc8af81c4dc58a8
EG-14 Eolian (wind-blow) deposits	Collapsible Soils within 1-Mile	Colorado Geologic Survey	https://www.arcgis.com/apps/webappviewer/index.html?id=a6f816b35fb64d3da096e84af661f070
EG-14 Cretaceous and Tertiary Formations	Collapsible Soils within 1-Mile	Colorado Geologic Survey	https://www.arcgis.com/apps/webappviewer/index.html?id=a6f816b35fb64d3da096e84af661f070

Certification Statement:
I certify that I am a Professional Geologist, having met the educations requirements and professional work experience required by C.R.S. § 23-41-208(b). I have reviewed information pertaining to this Oil and Gas Location and the surrounding area and have identified Collapsible Soils and Expansive Soils and Rock as Geologic Hazards within a one mile radius.

Signature:  Date: 8/25/2021

-  Blue Working Pad 1 Mile Buffer
-  Blue Working Pad Surface
-  Coal Mines (CGS)
-  Undermined Mine Areas (CGS)
-  Fault (USGS) - None
-  Landslide (USGS) - None
-  Underground Mine (USGS) - None
-  Radioactive Minerals (CGS) - None
-  100-Year Floodplain (COGCC)
-  EG-14 Eolian (wind-blown) deposits & EG-14 Cretaceous and Tertiary Formations
-  USGS Topographic Basemap

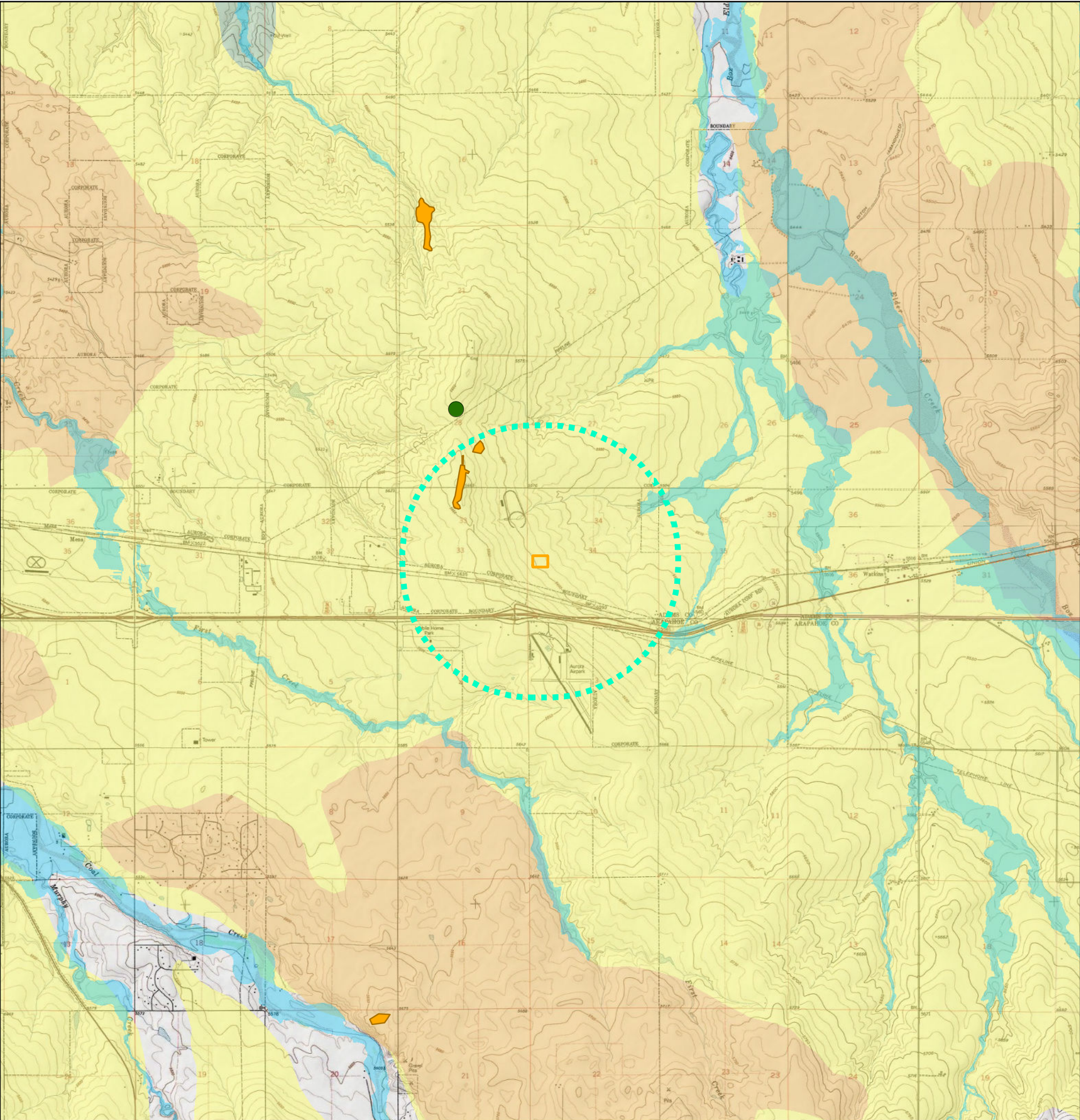
NW 1/4 SW 1/4 Section 34
T3S, R65W, 6th P.M.
Adams County, Colorado



Blue 3-65 33-32-31
Geologic Hazards
Map 1














8/23/2021
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0 500 1,000
Feet
Coordinate System: NAD 1983 BLM Zone 13N



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NW 1/4 SW 1/4 Section 34
T3S, R65W, 6th P.M.
Adams County, Colorado



Blue 3-65 33-32-31
Geologic Hazards
Map 2



8/23/2021
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0 0.5 1
Miles
Coordinate System: NAD 1983 BLM Zone 13N