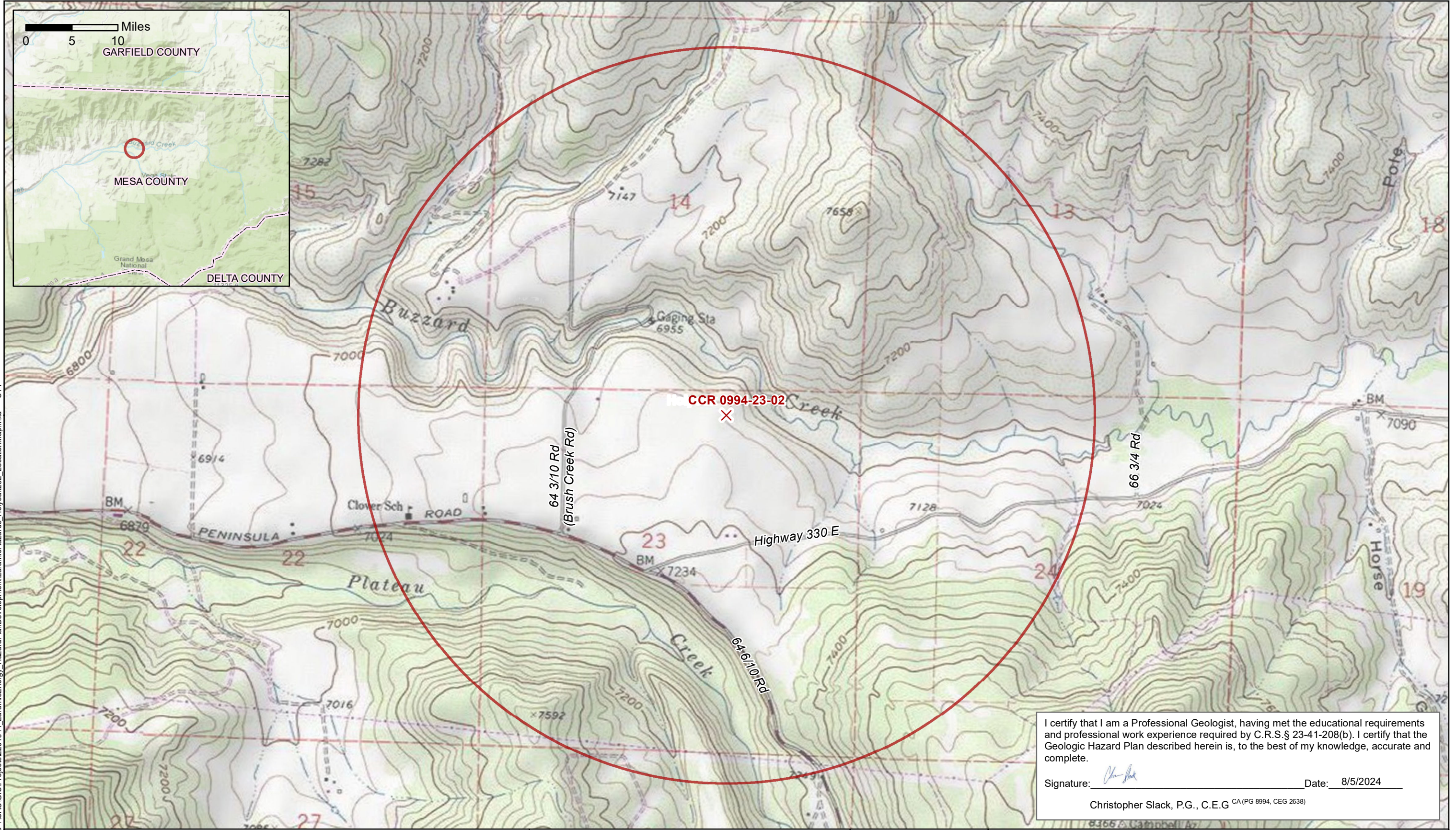



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I certify that I am a Professional Geologist, having met the educational requirements and professional work experience required by C.R.S. § 23-41-208(b). I certify that the Geologic Hazard Plan described herein is, to the best of my knowledge, accurate and complete.

Signature:  Date: 8/5/2024

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 Geologic Hazard Plan  
 NWNE S23, T09S, R94W, 6<sup>th</sup> PM

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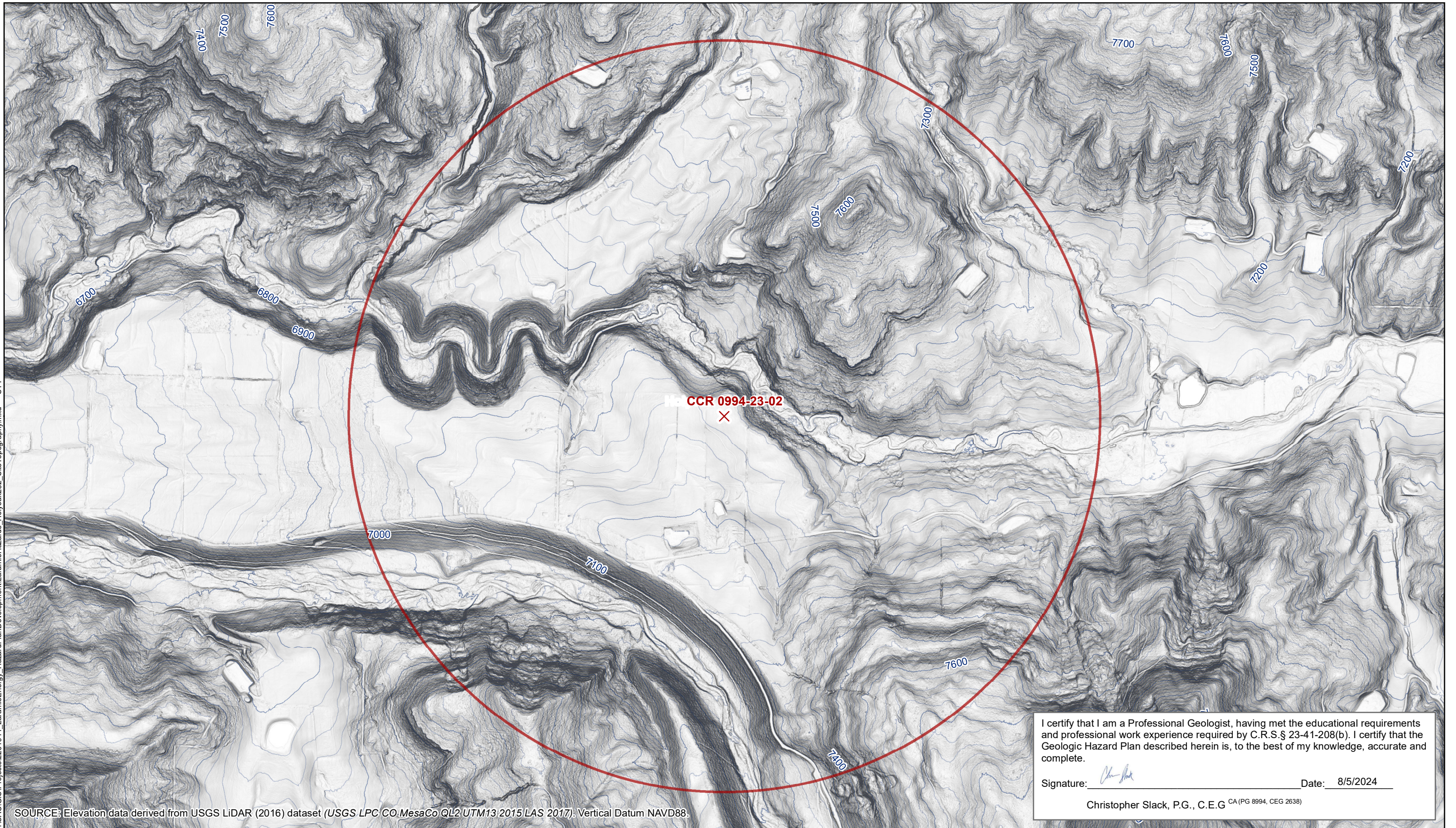


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 DRILL PAD LOCATION AND VICINITY

August 2022


Figure 1

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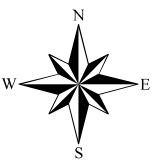
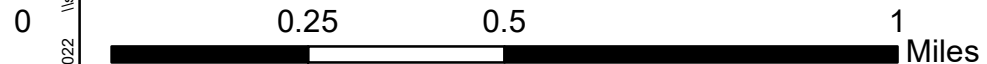


SOURCE: Elevation data derived from USGS LiDAR (2016) dataset (USGS LPC CO.MesaCo QL2 UTM13 2015 LAS 2017). Vertical Datum NAVD88.

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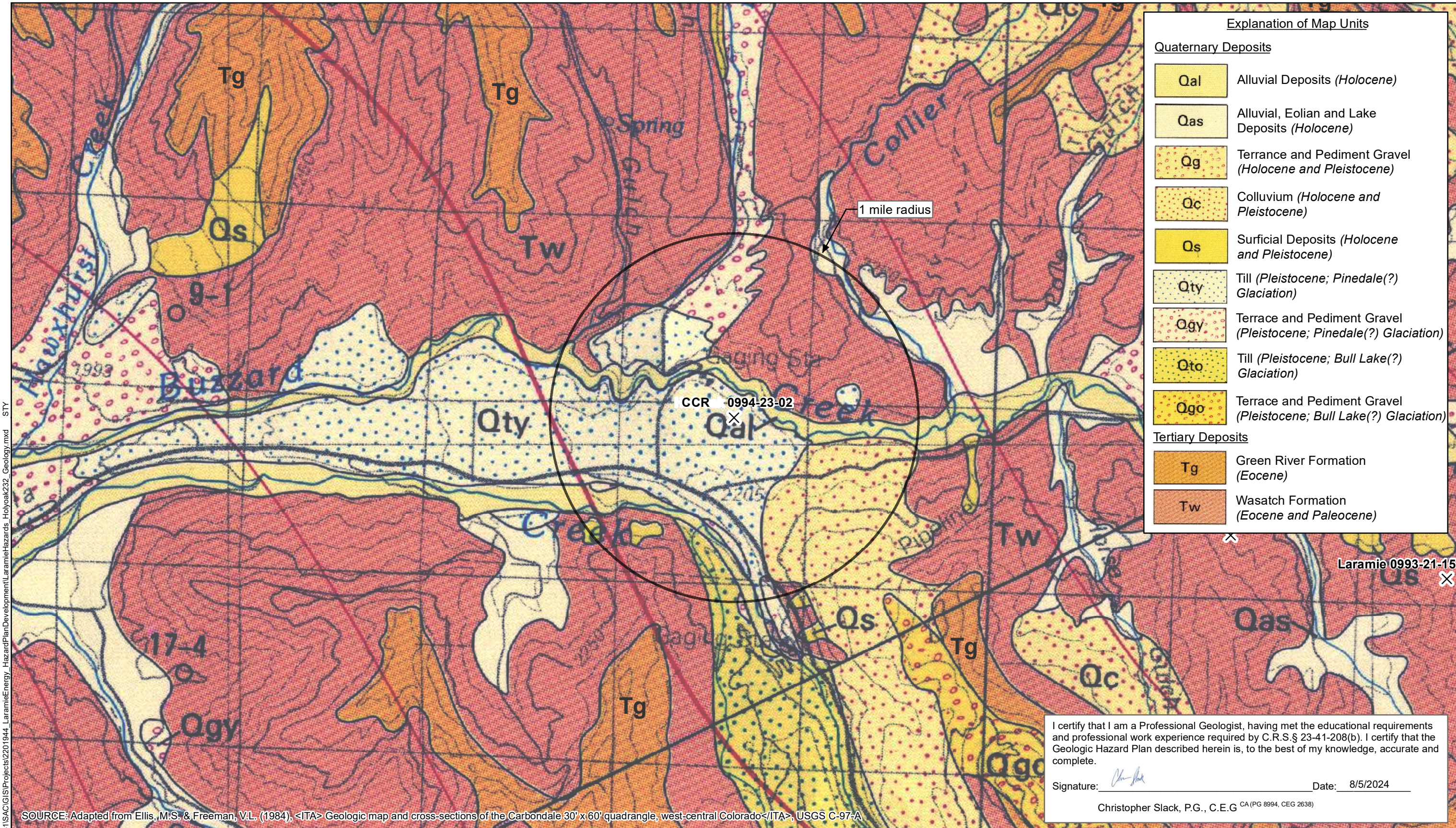
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SITE TOPOGRAPHY


Figure 2



05-Aug-2022 \\sac-pzcc-1\SAC\GIS\Projects\201944\_LaramieEnergy\_HazardPlanDevelopment\LaramieHazards\_Holyoak232\_Geology.mxd STY

SOURCE: Adapted from Ellis, M.S. & Freeman, V.L. (1984), <ITA> Geologic map and cross-sections of the Carbondale 30' x 60' quadrangle, west-central Colorado</ITA>, USGS C-97-A

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




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Geologic Hazard Plan  
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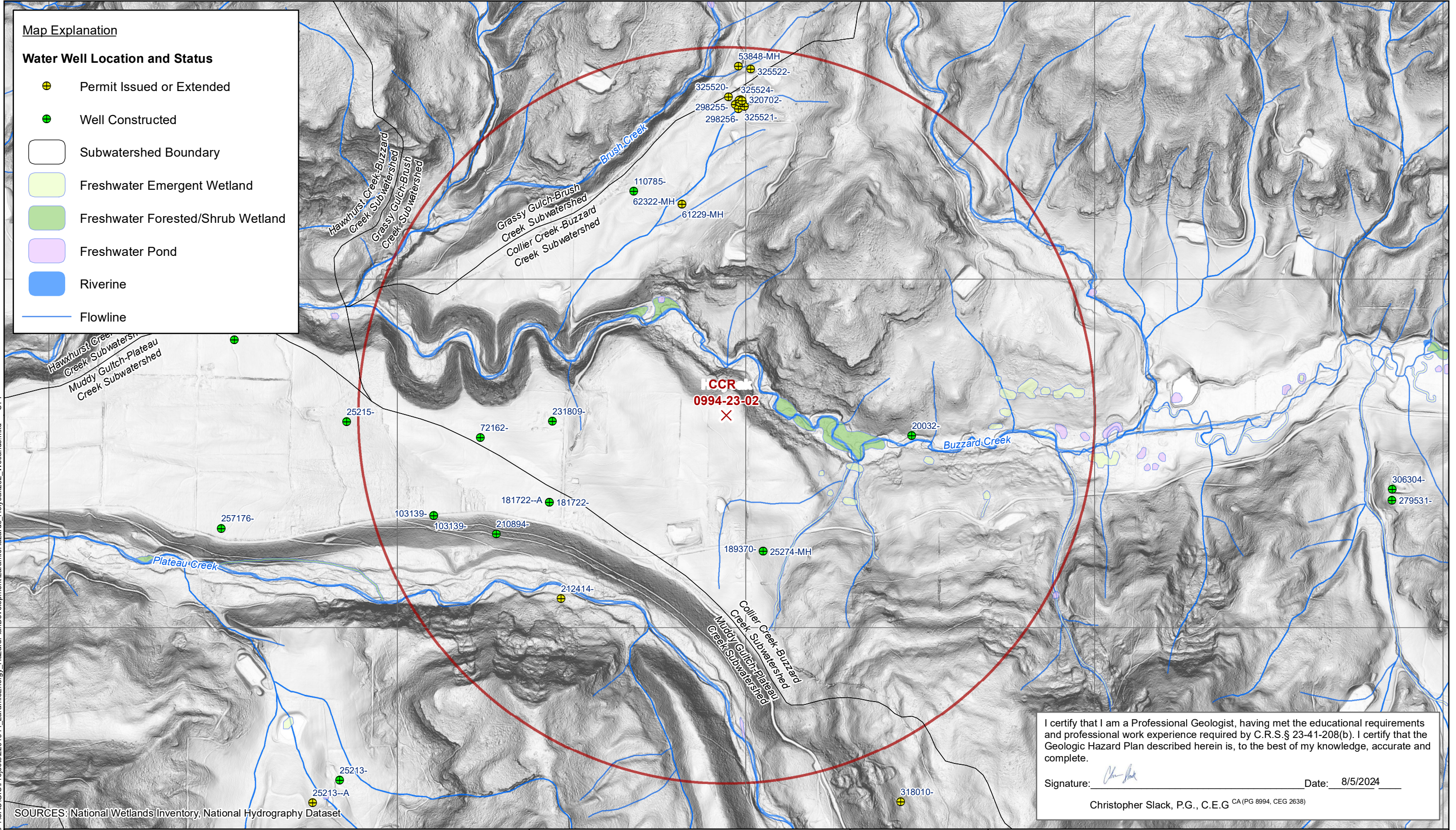


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GEOLOGIC MAP  
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Figure 3

**Map Explanation**

**Water Well Location and Status**


-  Permit Issued or Extended
-  Well Constructed
-  Subwatershed Boundary
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Riverine
-  Flowline



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**0994-23-02**  
X

SOURCES: National Wetlands Inventory, National Hydrography Dataset

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HYDROLOGY AND WETLANDS

August 2022

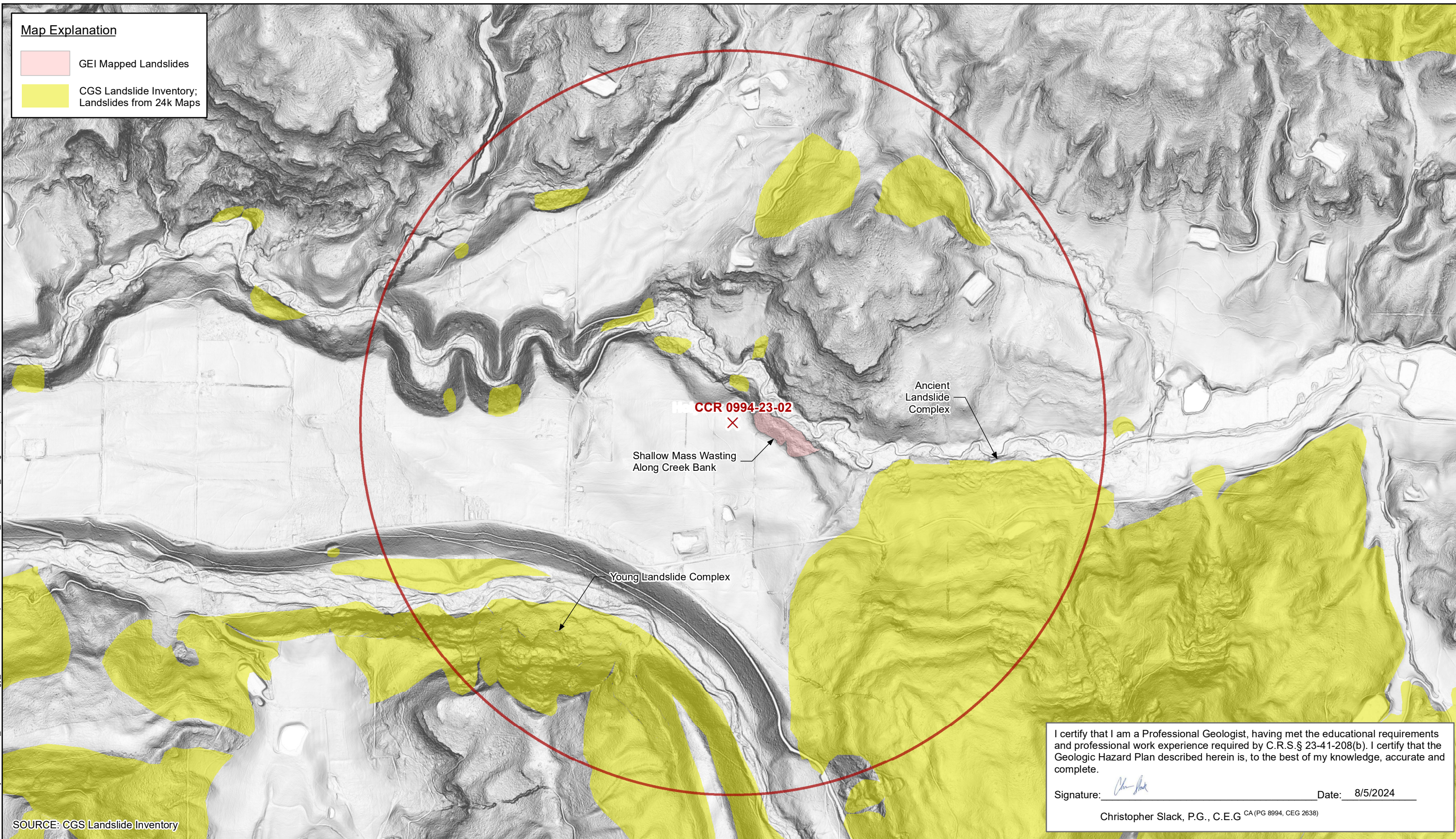
Figure 4

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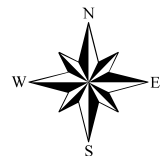
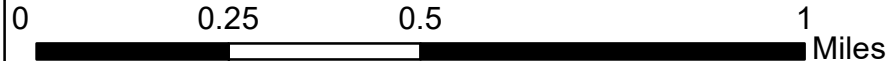
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Map Explanation

- GEI Mapped Landslides
- CGS Landslide Inventory; Landslides from 24k Maps



SOURCE: CGS Landslide Inventory



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 LANDSLIDE HAZARD MAP

Figure 5

I certify that I am a Professional Geologist, having met the educational requirements and professional work experience required by C.R.S. § 23-41-208(b). I certify that the Geologic Hazard Plan described herein is, to the best of my knowledge, accurate and complete.

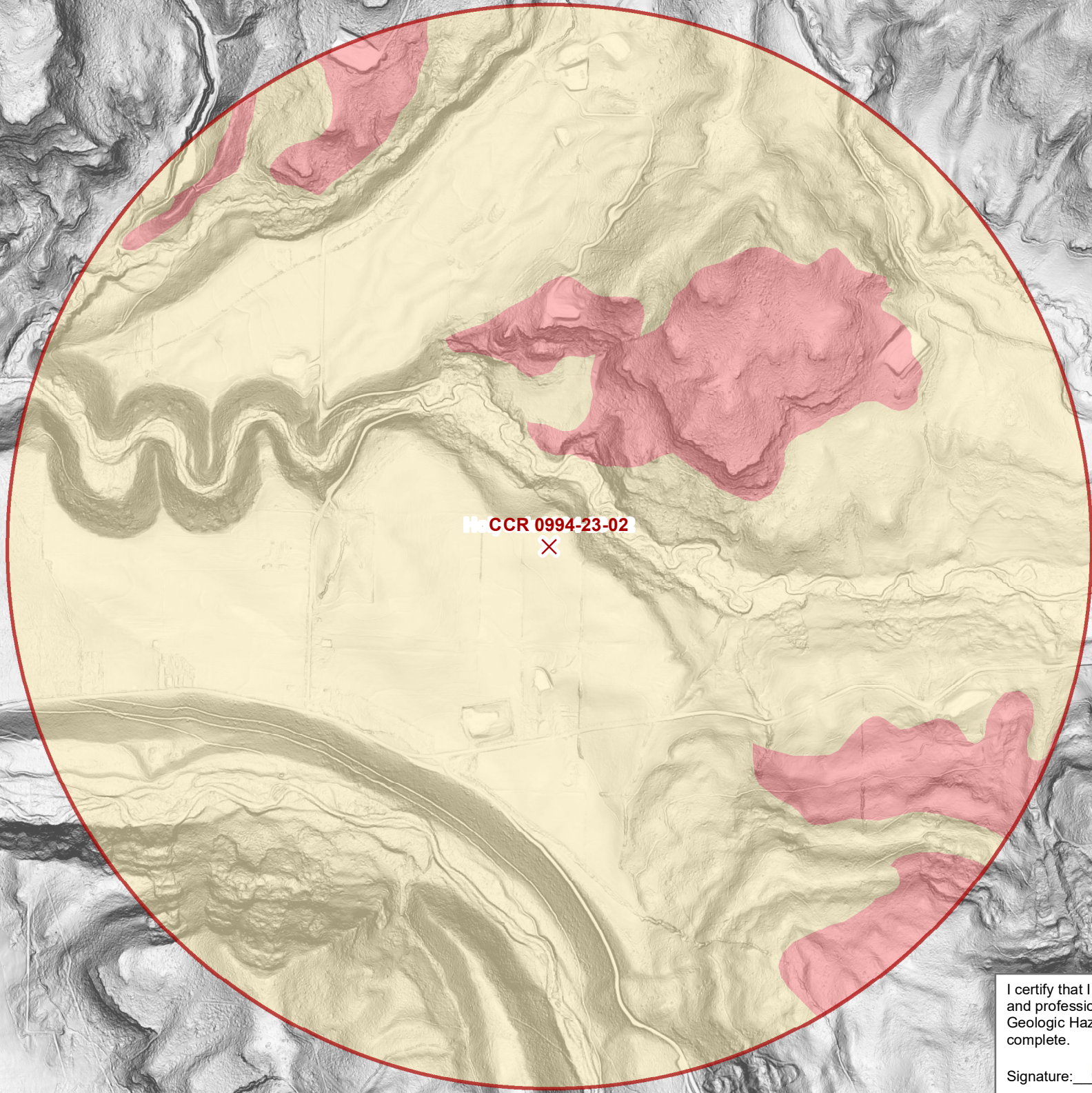
Signature:  Date: 8/5/2024

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Map Explanation


Risk of Corrosion to Steel

- High
- Moderate



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X

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Signature:  Date: 8/5/2024

Christopher Slack, P.G., C.E.G. CA (PG 8994, CEG 2638)

SOURCE: Soil Survey Geographic (SSURGO) Database (via Web Soil Survey)



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RISK OF CORROSION TO STEEL

August 2022

Figure 6

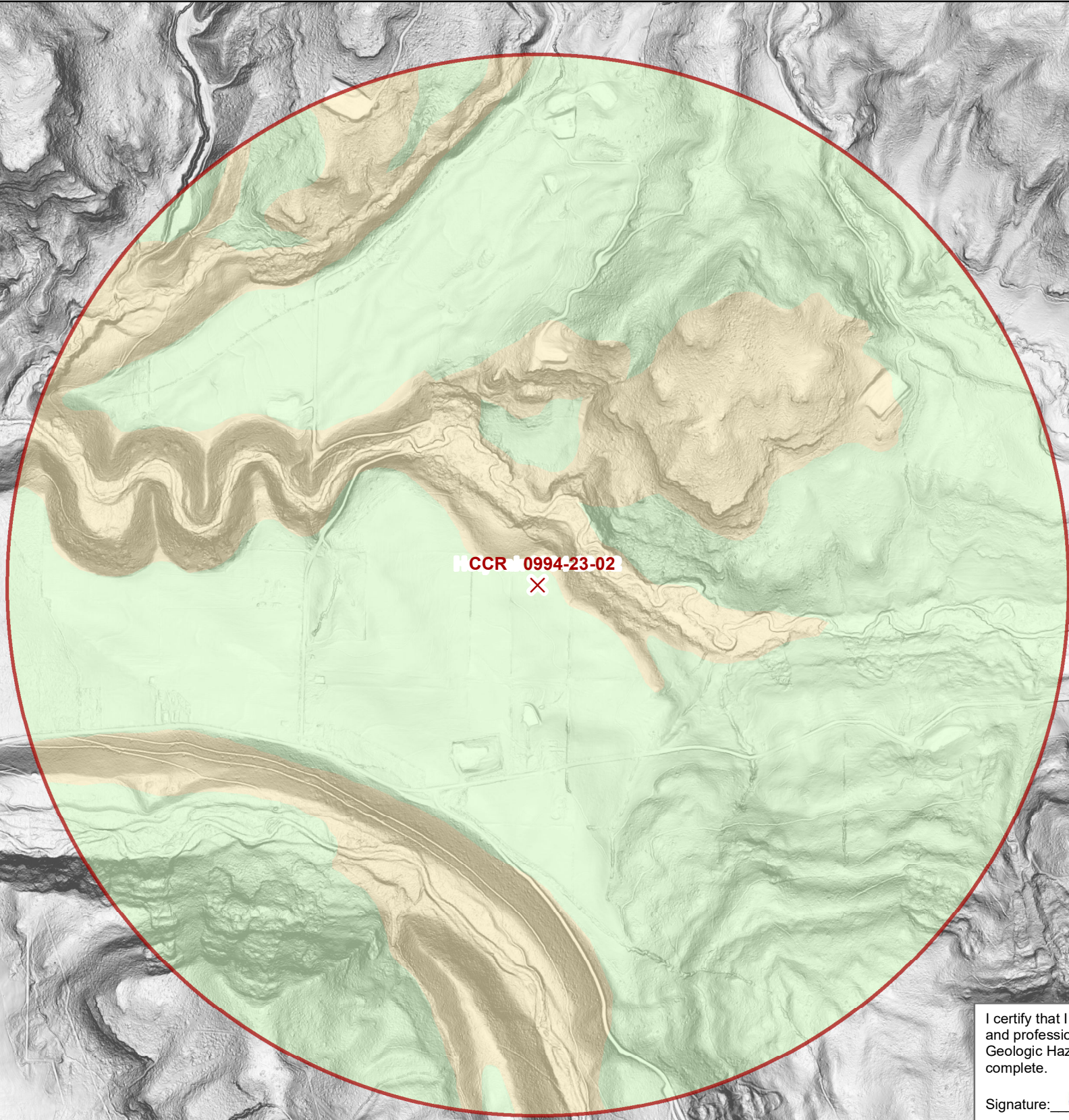
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05-Aug-2022 \\sac-pzcc-1\SAC\GIS\Projects\201944\_LaramieEnergy\_HazardPlanDevelopment\LaramieHazards\_Holyoak232\_WSS.mxd STY

**Map Explanation**


**Risk of Corrosion to Concrete**

- Low
- Moderate



SOURCE: Soil Survey Geographic (SSURGO) Database (via Web Soil Survey)

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**RISK OF CORROSION TO CONCRETE**

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Figure 7