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Dear Upper Arkansas Watershed Partnership Partner,

Thank you for your interest in the Chaffee County **Stream Corridor Hazard and Floodplain Connectivity Assessment**.

To begin using the Fluvial Hazard Zone (FHZ) map products for planning purposes we recommend that you start by reading the **Chaffee County FHZ Map Addendum**. In chapters one through three of the Addendum, you will find background information about why FHZ mapping is important, the concepts driving this comprehensive mapping project, the fundamental components of a Fluvial Hazard Zone map, and the general mapping process. Chapters four through six more specifically pertain to the specifics of Chaffee County's FHZ project. These chapters include general explanations of the study area and setting, a high-level geomorphic assessment of the study streams, and details on FHZ map methods and FHZ components.

The Addendum is accompanied by an online Webmap of the study area.

<https://arcg.is/1XL5OLO>

Within this map, the following data have been included:

- Reach breaks (the most downstream reaches are labeled 01)
- Stream channel center lines (approximated from the 2020 LiDAR)
- Stream Relative Elevation Models (REMs) – a visual approximation of how high land is relative to the channel (given in feet – see legend in MapViewer to calibrate your eye).
- LiDAR-derived hillshade topography
- Basemap aerial imagery
- E911 address points (visible only if zoomed in)
- Parcel boundaries (visible only if zoomed in)
- Irrigation ditches (layer is hidden as default – must be made visible by user to view)
- Water Infrastructure (layer is hidden as default – must be made visible by user to view)
- Fluvial Hazard Zone components (Active Stream Corridor, Fluvial Hazard Buffer, Avulsion Hazard Zones and Fans)
- Hazard mitigation and management projects (dotted polygons that if clicked on provide a project number that relates back to the Projects Memo).

Once you have familiarized yourself with the project via the Addendum, please feel free to consult the Webmap for your planning needs.

Tips how to use a Webmap most effectively:

Navigation

When you enter the Webmap, you will find a list of data layers to the side of your screen. Clicking on the data layer name may provide you with more information, such as layer symbology, and may also provide options for customizing layer appearance. You can also click on a feature within the map space and a popup may appear with additional information (such as Reach Number or Project Number). Some layers (such as the hillshade and REM layers) may only be visible at certain scales, and you will need to zoom in or out to view them.

View-ability

As you work in this map space, you may want to view certain layers alone or in combination with other layers. To do this, you can use the toggle feature: in your Layers list, you can toggle each layer on or off using the 'eye' symbol next to the name of the data layer.

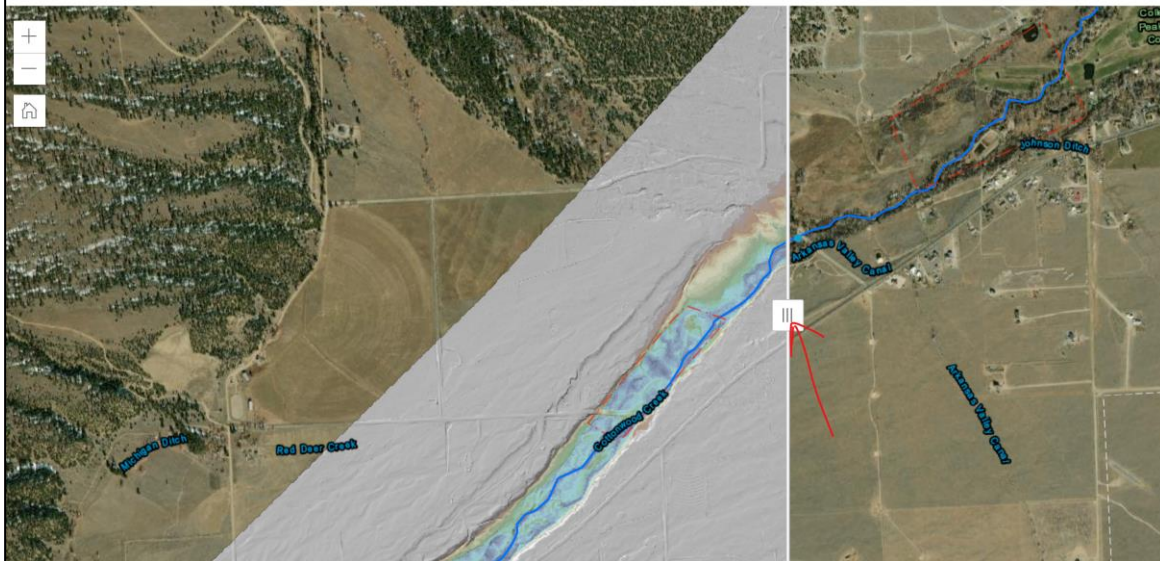
▷ Relative Elevation Models (REMs)



Swipe-ability

We've made it easy to "toggle" between the basemap aerial image and the REM + Hillshade. Use the "swipe" bar you'll see on the left side of the screen (note you must be zoomed in for the REM + Hillshade to appear).

DRAFT Chaffee FHZ



As you review the FHZ map products, we suggest you may also want to review the Reach Information Sheets provided for each study reach. These Reach Information Sheets will provide you with more details specific to the study reach that you are reviewing, including:

- General physio-geographic, geomorphic, and hydrologic information (drainage area, flood discharges, dominant fluvial processes, etc.)
- Current stressors or modifiers on the corridor (urbanization, forest fire, beaver, etc.)
- Fluvial signatures present on the landscape (meander cutoffs, side channels, overbank flood chutes, etc.) that inform the Active Stream Corridor delineation
- Valley margin characteristics (geologic erodibility, debris fan presence, etc.) that inform the Fluvial Hazard Buffer delineation
- Sources of the data used in this assessment

We thank you for your interest in this study.

FOR MORE INFORMATION AND TO CONTACT THE UPPER ARKANSAS WATERSHED PARTNERSHIP VISIT:

<https://www.uawp.org/>

Best,
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Round River Design, Inc.