



Grand Junction Geological Society

<http://www.gjgs.org/>



This Month's Presentation

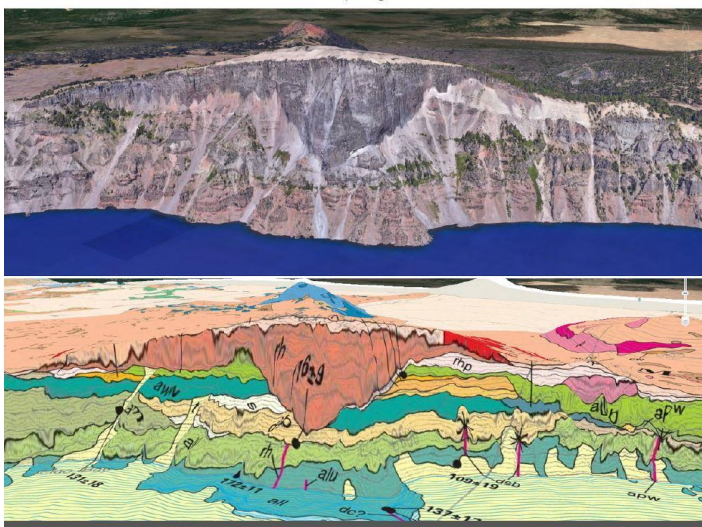
Steve Cumella

Consulting Geologist
(and GJGS member)
Ouray, Colorado

Will present a talk entitled:

Geology Revealed by High Resolution Google Earth Imagery

Crater Lake, Oregon



Meeting Time and Location

March 13, 2024

Joint meeting with the CMU Geology Students

7:30 p.m.

Saccomanno Lecture Hall (Room 131 in the Wubben
Science Building at Colorado Mesa University)

Zoom Details

Andres Aslan is inviting you to a scheduled Zoom meeting.

Topic: GJGS March meeting

Time: Mar 13, 2024 07:00 PM Mountain Time (US and Canada)

Join Zoom Meeting

<https://coloradomesa.zoom.us/j/95546335940>

Meeting ID: 955 4633 5940

Important Announcements

Please note that the meeting is a week earlier than normal. This is an accommodation for CMU faculty and students, as they will be on Spring break during our normal date. Plus, the building doors are usually locked in the evenings during the break.

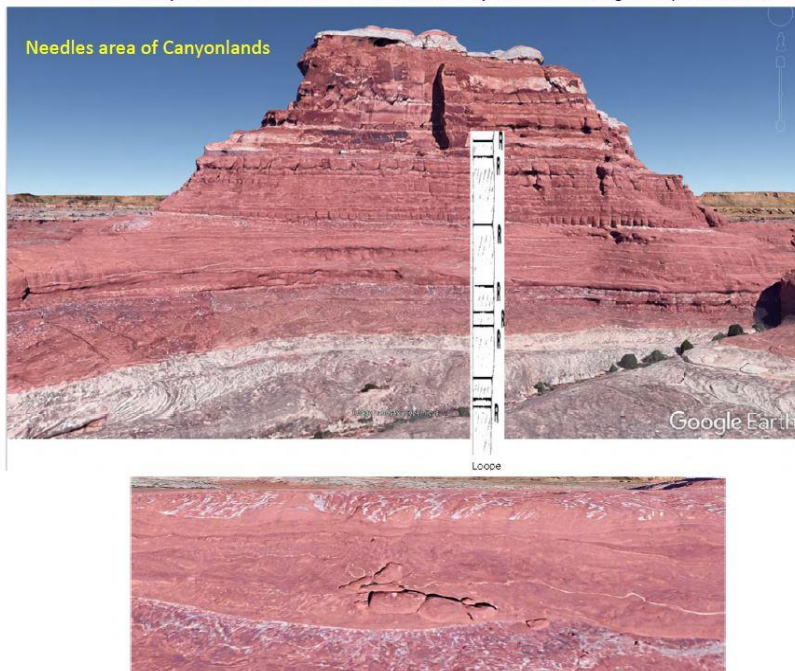
Abstracts

Geology Revealed by High Resolution Google Earth Imagery

Google Earth has high resolution 3D imagery that is somewhat deceptively called “3D Buildings” under the Layers list on the right side of Google Earth. This coverage was originally restricted to cities and it provides amazingly realistic images (check out cities like Denver, New York, etc.). This coverage has expanded to some national parks (Zion image below) and some areas adjacent to cities like Red Rocks and Colorado National Monument. Geologic maps are available as Google Earth KMZ overlays on the National Geologic Map Database website (<https://ngmdb.usgs.gov/mapview/?center=-97,39.6&zoom=4>). Examples of spectacular geology will be shown in this live exploration of Google Earth. This link explains how the high resolution imagery is acquired: <https://blog.google/products/earth/google-earths-incredible-3d-imagery-explained/>

One example is shown on the first page of the announcement. Below is another.

Rooted super surfaces in Cedar Mesa eolian deposits can be regionally correlated.



Bio

Steve Cumella is a consulting geologist in Ouray, Colorado. He received his bachelors and masters in geology at University of Texas at Austin and started his career with Chevron in Denver in 1981. Steve spent his first nine years with Chevron working Rockies, Mid-Continent, and West Africa. After leaving Chevron, Steve worked the South America, California, and the Rockies. In 2000, Steve started working the Piceance Basin and other Rocky Mountain basins at Barrett Resources, Williams, Bill Barrett Corporation, and Endeavour International. He was awarded Rocky Mountain Association of Geologists' Outstanding Scientist Award in 2005 and AAPG's Robert H. Dott, Sr. Memorial Award for Best Special Publication in 2010. He was an AAPG Distinguished Lecturer in 2011. He is past executive editor of the Mountain Geologist and was president of the Grand Junction Geological Society in 1991. Steve has authored numerous publications, given many presentations, and led several fieldtrips.