

# SURFACE RUPTURE MAP OF THE 2020 M6.5 MONTE CRISTO RANGE EARTHQUAKE, ESMERALDA AND MINERAL COUNTIES, NEVADA

Sheet 1 of 2

Seth Dee<sup>1</sup>, Rich D. Koehler<sup>1</sup>, Austin J. Elliott<sup>2</sup>, Alexandra E. Hatem<sup>2</sup>,  
Alexandra J. Pickering<sup>2</sup>, Ian Pierce<sup>3</sup>, Gordon G. Seitz<sup>4</sup>, Camille M. Collett<sup>2</sup>,  
Timothy E. Dawson<sup>1</sup>, Conni De Masi<sup>5</sup>, Craig M. dePolo<sup>1</sup>, Evan J. Hartshorn<sup>6</sup>,  
Christopher M. Madugo<sup>7</sup>, Charles C. Trexler<sup>2</sup>, Danielle M. Verdugo<sup>8</sup>,  
Steven G. Wesnousky<sup>9</sup>, and Judith Zachariassen<sup>4</sup>

<sup>1</sup>Nevada Bureau of Mines and Geology, University of Nevada, Reno

<sup>2</sup>U.S. Geological Survey

<sup>3</sup>University of Oxford

<sup>4</sup>California Geological Survey

<sup>5</sup>University of Nevada, Reno, Nevada Bureau of Mines and Geology, Reno, NV

<sup>6</sup>Desert Research Institute

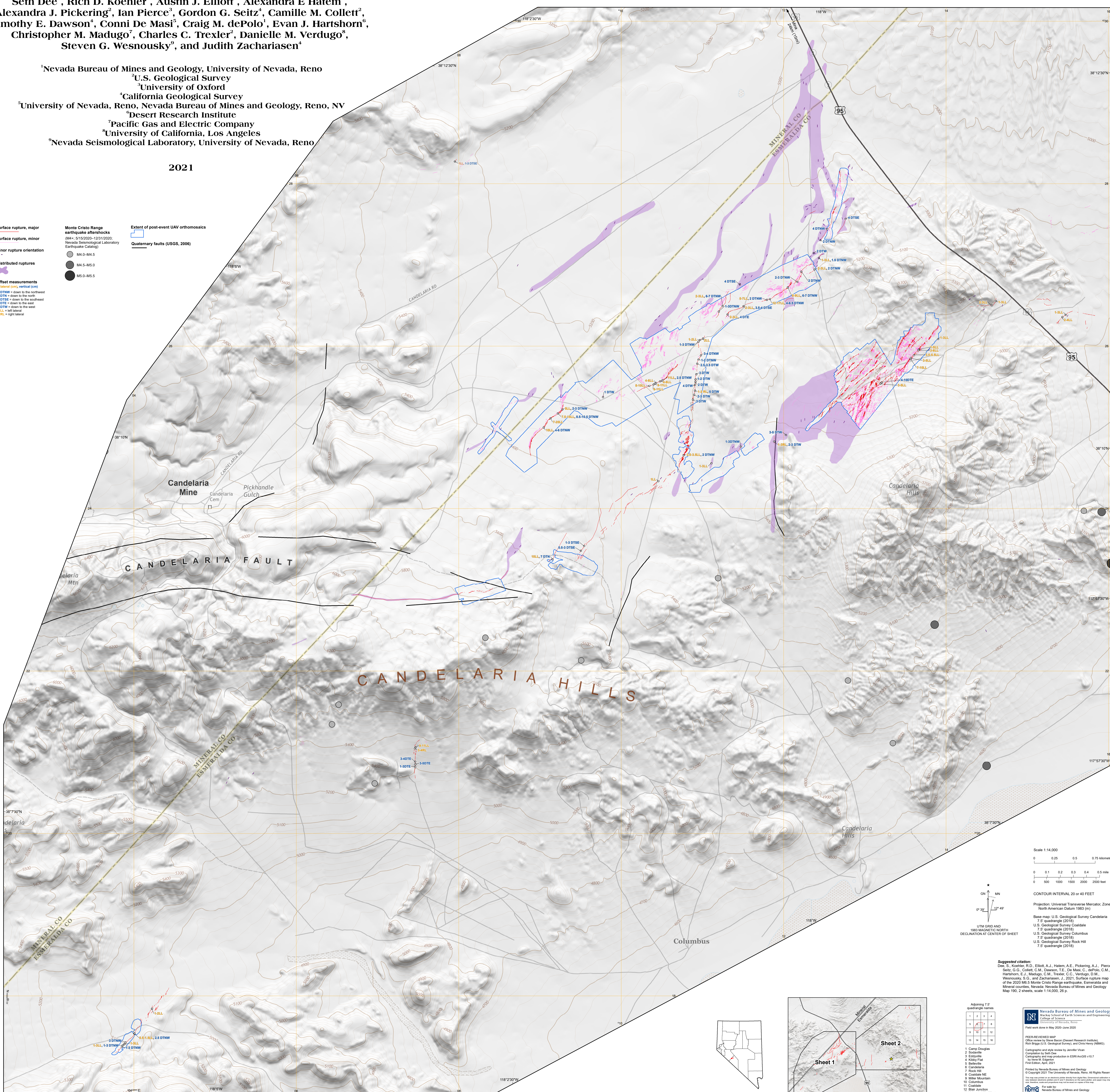
<sup>7</sup>Pacific Gas and Electric Company

<sup>8</sup>University of California, Los Angeles

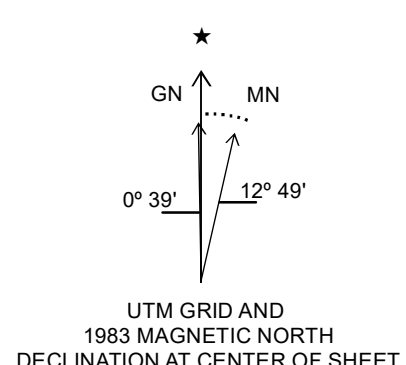
<sup>9</sup>Nevada Seismological Laboratory, University of Nevada, Reno

2021

- Surface rupture, major
- Surface rupture, minor
- Minor rupture orientation
- Distributed ruptures
- Offset measurements
  - of lateral (cm), vertical (cm)
  - DTNW = down to the northwest
  - DTSE = down to the southeast
  - DTW = down to the west
  - DTNE = down to the northeast
  - LL = left lateral
  - RL = right lateral
- Monte Cristo Range earthquake aftershocks (M4+; 915/2000-12/31/2020; Nevada Seismological Laboratory Earthquake Catalog)
  - M4.0-M4.5
  - M4.5-M5.0
  - M5.0-M5.5
- Extent of post-event UAV orthomosaics
- Quaternary faults (USGS, 2006)



Scale 1:14,000  
 0 0.25 0.5 0.75 Kilometers  
 0 0.1 0.2 0.3 0.4 0.5 Miles  
 0 500 1000 1500 2000 2500 Feet  
 CONTOUR INTERVAL 20 or 40 FEET  
 Projection: Universal Transverse Mercator, Zone 11, North American Datum 1983 (m)  
 Base map: U.S. Geological Survey Candelaria  
 U.S. 7.5' quadrangle (2018)  
 U.S. Geological Survey Coldside  
 U.S. 7.5' quadrangle (2018)  
 U.S. Geological Survey Columbus  
 U.S. 7.5' quadrangle (2018)  
 U.S. Geological Survey Rock Hill  
 U.S. 7.5' quadrangle (2018)



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 Dee, S., Koehler, R.D., Elliott, A.J., Hatem, A.E., Pickering, A.J., Pierce, I., Seitz, G.G., Collett, C.M., Dawson, T.E., De Masi, C., dePolo, C.M., Hartshorn, E.J., Madugo, C.M., Trexler, C.C., Verdugo, D.M., Wesnousky, S.G., and Zachariassen, J., 2021. Surface rupture map of the 2020 M6.5 Monte Cristo Range earthquake, Esmeralda and Mineral counties, Nevada. Nevada Bureau of Mines and Geology Map 190, 2 sheets, scale 1:14,000, 26 p.

Assigning 7.5' quadrangle names

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

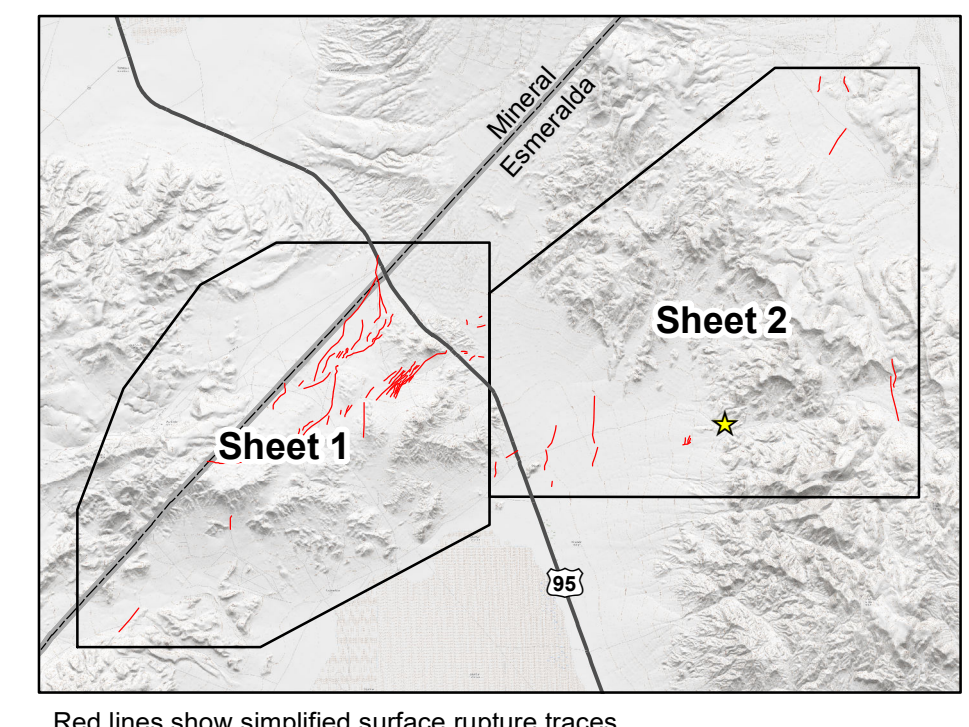
1 Camp Douglas  
 2 Bodville  
 3 Elyville  
 4 Kibby Flat  
 5 Beckville  
 6 Candelaria  
 7 Rock Hill  
 8 Coldside  
 9 Candelaria  
 10 Cold Mountain  
 11 Coldside  
 12 Cold Junction  
 13 Volcanic Hills West  
 14 Volcanic Hills East  
 15 Rhyolite Ridge NW  
 16 Rhyolite Ridge NE

Nevada Bureau of Mines and Geology  
 Mackay School of Earth Sciences and Engineering  
 University of Nevada, Reno  
 Field work done in May 2020-June 2020

**FIELD-REVISED MAP**  
 Data source: USGS (Desert Research Institute), and USGS (NIMS), Rich Briggs (U.S. Geological Survey), and Dana Henry (NIMS).  
 Cartographic work done under the guidance of:  
 Consultation by Seth Dee  
 To: Ivan M. Edgerton,  
 Field Supervisor, 2021

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For sale by:  
 Nevada Bureau of Mines and Geology  
 2172 Raggio Plaza  
 Reno, NV 89507  
 Phone: (775) 852-4700  
 www.nvbgm.unr.edu, dmng@unr.edu



Red lines show simplified surface rupture traces.