Caetano-Cortez Area Rock Units Rocks below Roberts Mountains allochthon Rocks of Roberts Mountains allochthon Qf Alluvial fan deposits, undivided Younger alluvial fan deposits Intermediate age alluvial fan deposits Coarse alluvial fan shed from Cortez fault QTa Crescent Valley alluvium in cross-section Tc Caetano Tuff Tcv Caetano Tuff vitrophyre Tcb (Tcb, Tcp, Tcr, Txp, Txw, Txr) Caldera margin mega- and mesobreccia Tcls Limestone-clast layer Tcd Caetano Tuff dike x Clastic dike Tca Aphyric to sparsely porphyritic rhyolite dike Porphyritic rhyolite rt Porphyritic rhyolite tuff Tdo Older porphyritic dacite JURASSIC ROCKS Jd Granodiorite dikes and sills Ji Intensely altered dikes and sills PALEOZOIC ROCKS Rocks below Roberts Mountains Allochthon Dw Wenban Limestone DSrm Roberts Mountains Formation (cross-section only). Ohc Hanson Creek Formation (cross-section only). Oe Eureka Quartzite (cross-section only). **Roberts Mountains Allochthon** DSOcm Chert and mudstone SOs Siltstone and fine-grained sandstone Vinini Formation Ovcg Conglomerate Ovl Limestone and marble See accompanying text for full unit descriptions and references. Symbology (per FGDC-STD-013-2006) Contact Solid where certain and location accurate, long-dashed where approximate, short-dashed where inferred; queried if ____ Inclined ___ Vertical identity or existence uncertain. Strike and dip of compact foliation in ash-flow tuff Internal Contact Inclined — Vertical Strike and dip of flow bands in igneous rock Normal fault Solid where certain and location accurate, long-dashed where approximate, dotted where concealed; queried if identity or existence uncertain. Ball on downthrown block. Thrust fault Solid where certain and location accurate, long-dashed Adit or mine tunnel where approximate, dotted where concealed. Sawteeth on upper plate. (In cross section—A, away from observer; T, toward observer. Mine shaft Arrows show relative motion.) Caldera margin fault Solid where certain, dotted where concealed. Caldera margin wall Solid where certain, dotted where concealed. A————A'Line of cross section Minor monocline - Showing strike CONTOUR INTERVAL 40 FEET Minor overturned anticline - Showing strike Projection: Universal Transverse Mercator, Zone 11, North American Datum 1927 (m) Base map: U.S. Geological Survey of Cortez Canyon 7.5' quadrangle (1986) and U.S. Geological Survey of Cortez 7.5' quadrangle (1986) Map location Field work done in 2007–2010 Supported by the U.S. Geological Survey STATEMAP Program (Agreement No. G09AC00116) 1 2 3
4 5 6
7 8 9

1 Ferris Creek
2 Tenabo
3 East of Tenabo
4 Rocky Pass
5 Cortez Canyon
6 Cortez
7 Wood Spring Canyon
8 Wenban Spring
9 Dugout Spring Preliminary geologic map
Has not undergone office or field review
Will be revised before publication PRELIMINARY GEOLOGIC MAP OF THE NORTHEASTERN MARGIN OF THE CAETANO CALDERA, LANDER COUNTY, NEVADA Steve C. Moore¹ and Christopher D. Henry² For sale by:
Nevada Bureau of Mines and Geology
2175 Raggio Pkwy.
Reno, Nevada 89512
ph. (775) 784-6691, ext. 2
www.nbmg.unr.edu; nbmgsales@unr.edu
This product is available free on our website ¹Mineral Exploration Services and Cortez Gold Mines, ²Nevada Bureau of Mines and Geology 2010

Prepared as part of the STATEMAP component of the National Cooperative Geologic Mapping Program in cooperation with the U.S. Geological Survey

NEVADA BUREAU OF MINES AND GEOLOGY

OPEN-FILE REPORT 10-10 PRELIMINARY GEOLOGIC MAP OF THE NORTHEASTERN MARGIN OF THE CAETANO CALDERA, LANDER COUNTY, NEVADA