

Map of Assessed Shale Gas in the United States, 2012

By U.S. Geological Survey National Assessment of Oil and Gas Resources Team, and Laura R.H. Brewick, compiler
2013

Abstract

The U.S. Geological Survey (USGS) has compiled a map of shale-gas assessments in the United States that were completed by 2012 as part of the USGS National Assessment of Oil and Gas Project. Using a geology-based assessment methodology, the USGS quantitatively estimated potential volumes of undiscovered gas within shale-gas assessment units (AU). These shale-gas AUs are mapped, and square-mile cells are shown to represent proprietary shale-gas wells. The square-mile cells include gas-producing wells from shale intervals. This is the first in a series of USGS unconventional oil and gas resource maps. The map can be printed as a hardcopy map or downloaded in a Geographic Information System (GIS), including an ArcMap document (MXD) and a published map file (PMF).

Access to Assessment Results

Geologic studies as well as reports on the methodology used in assessing undiscovered oil and gas resources in the United States are available at the USGS Central Energy Resources Science Center website:
<http://energy.usgs.gov/OilGas/AssessmentsData/NationalOilGasAssessment.aspx>

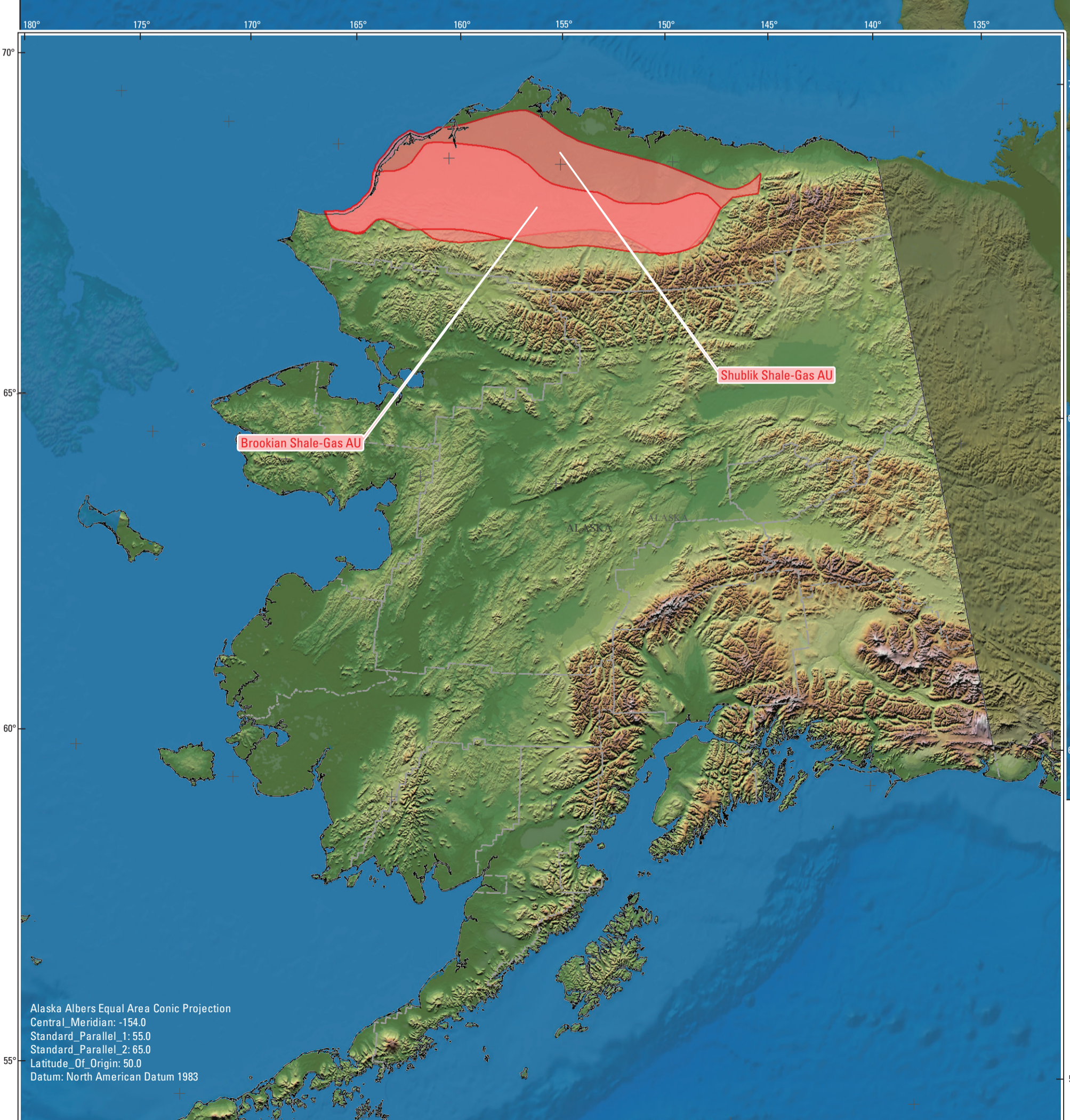
Access to Report

The entire publication is available online at the USGS site:
<http://pubs.usgs.gov/ds/dds-069/dds-069-z/>
and on CD-ROM by contacting: eteadisks@usgs.gov.

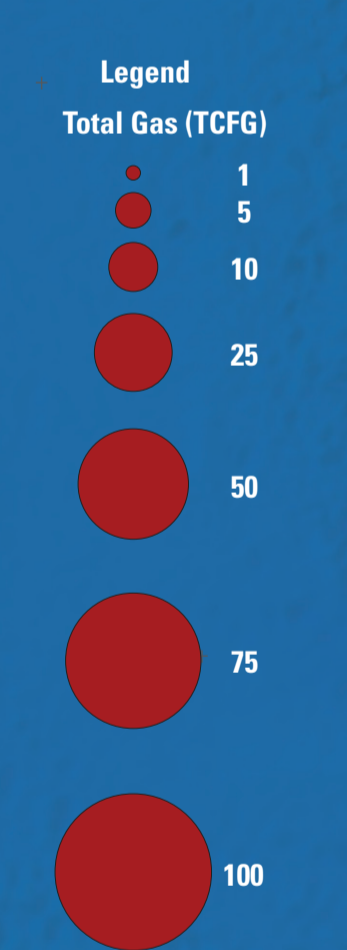
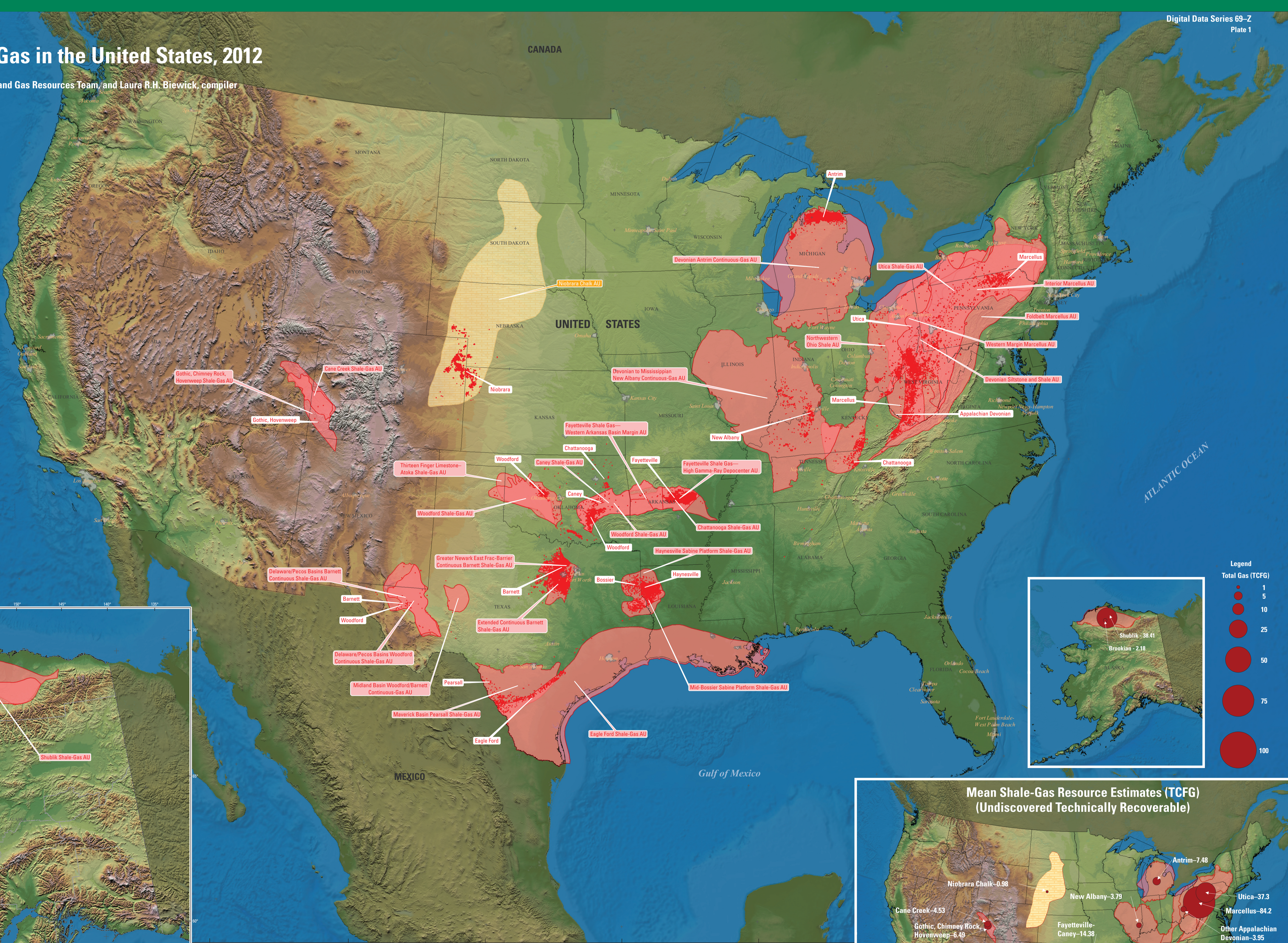
Project Chief: Christopher J. Schenk

For more information concerning this publication, contact:
Central Energy Resources Science Center
USGS Box 7046, Mail Stop 939
Denver, CO 80225
303.732.1477
Or visit the Central Energy Resources Science Center Web site at:
<http://energy.usgs.gov/>

Publishing support provided by:
Denver Publishing Service Center
Manufacture approved for publication Nov. 29, 2012
This and other USGS information products are available at:
<http://store.usgs.gov/>
U.S. Geological Survey
Box 2308, Denver Federal Center
Denver, CO 80225
To learn about the USGS and its information products visit:
<http://www.usgs.gov/>
1.888.ASK.USGS
This report is available at:
<http://pubs.usgs.gov/ds/dds-069/dds-069-z/>



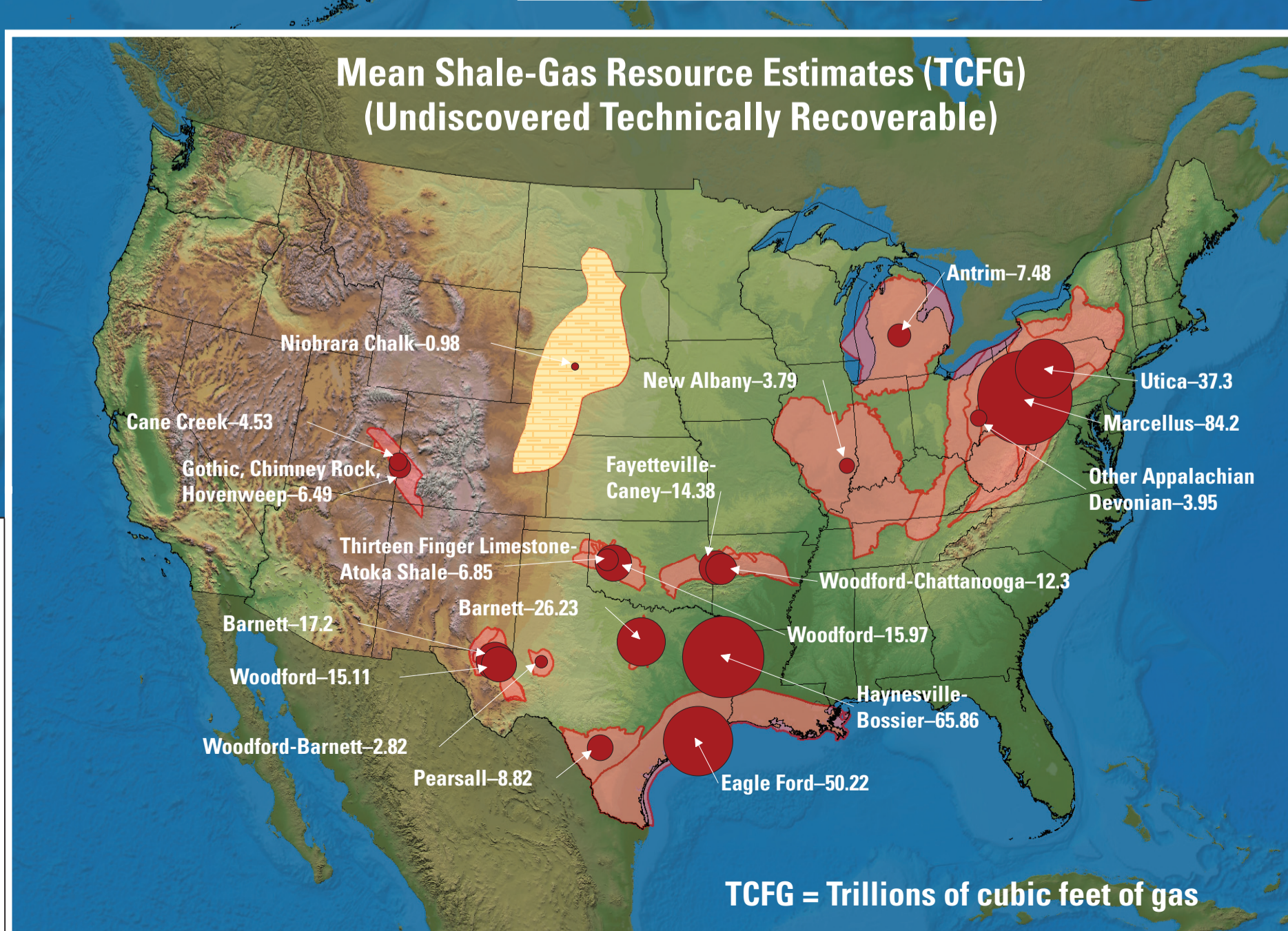
Alaska Albers Equal Area Conic Projection
Central_Meridian: -154.0
Standard_Parallel_1: 55.0
Standard_Parallel_2: 65.0
Latitude_Of_Origin: 50.0
Datum: North American Datum 1983



Shaded relief from U.S. Geological Survey, *The National Map*, 2007
Bathymetry from ETOPO1, NOAA Technical Memorandum NESDIS NGDC-24 (Amante and Eakins, 2009)
Albers Equal Area Conic Projection
Central Meridian: -96.0
Standard Parallel 1: 29.5, Standard Parallel 2: 45.5
Latitude of Origin: 23.0
North American Datum 1983 (NAD 83)

Explanation

- Shale-Gas Assessment Unit—Labeled with red text in a light red background
- Chalk-Gas Assessment Unit—Labeled with yellow text in a gold background
- Square-mile cells—Represent gas-producing wells in shale intervals. Labeled with red text in white background.



TCFG = Trillions of cubic feet of gas