

Geologic Sink – Oil and Gas Fields



Tags

Geologic Storage of CO₂, Carbon capture and storage, geologic sink, oil, gas, well data

Summary

This dataset provides estimates of oil and gas field CO₂ capacity based on cumulative oil production values obtained from WYOGCC and MTOGC databases (<http://wogcc.state.wy.us/> and <http://bogc.dnrc.state.mt.us/onlinedata.asp>). Production values within this dataset are cumulative through December 2009.

The CO₂ capacity estimation methodology can be found in:

NETL's 2010 Carbon Sequestration Atlas of the United States and Canada – Third Edition (Atlas III) (http://www.netl.doe.gov/technologies/carbon_seq/refshelf/atlasIII/index.html).

Field geometries were created from legal descriptions contained in the WYOGCC and Montana Board of Oil and Gas Conservation orders utilizing the Public Land Survey System dataset derived from the Bureau of Land Management's Geographic Coordinate Database project.

Description

This dataset shows the spatial extent of oil and gas fields within the Big Sky Carbon Sequestration Partnership's area of interest. This dataset was created as a geologic framework data layer for use in BSCSP's Big Sky Carbon Atlas (www.bigskyco2.org) to compare the location and proximity of oil and gas fields to the locations of industrial greenhouse gas-emitting facilities within the Big Sky partnership.

Credits

Stacey Fairweather, GIS Lead for the Big Sky Carbon Sequestration Partnership. This data was collected and analyzed by the BSCSP for the purpose of CO₂ sink capacity inventory and to gain a national perspective on geologic storage of carbon dioxide in the United States. This data should only be used to show the location and estimated magnitude of geologic storage resources.

Access and use limitations

This data is updated irregularly. This data should not be modified in any way.

Dates Last updated: February 2010