

CATEGORY	LAYER	CITATIONS(S)
Boundaries	Developed Areas	Dewitz, J., and U.S. Geological Survey (2021). National Land Cover Database (NLCD) 2019 Products (ver. 2.0, June 2021): U.S. Geological Survey data release, https://doi.org/10.5066/P9KZCM54 .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2007). C-CAP Kahoolawe 2005 era High Resolution Land Cover. Department of Commerce. Retrieved from https://coast.noaa.gov/dataviewer/#/imagery/search/where:ID=354 .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2013). C-CAP Land Cover, Kauai, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataviewer/#/imagery/search/where:ID=4714 .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2013). C-CAP Land Cover, Lanai, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataregistry .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2015). C-CAP Land Cover, Maui, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/ccapftp/ .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2015). C-CAP Land Cover, Molokai, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/ccapftp/ .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2013). C-CAP Land Cover, Niihau, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataviewer/#/imagery/search/where:ID=4715 .
Boundaries	Historic Sites	National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2014). 2011 C-CAP Land Cover of Oahu, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataregistry .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2015). 2010 C-CAP Land Cover, Big Island, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/ccapftp/ .
		U.S. Geological Survey. (2020) National Land Cover Database (NLCD) 2016 Land Cover - Alaska (ver. 2.0, July 2020). Department of Interior. Retrieved from https://www.mrlc.gov/data/nlcd-2016-land-cover-alaska .
		Stutts M. (2014). National Register of Historic Places. National Register properties are located throughout the United States and their associated territories around the globe. Retrieved from https://irma.nps.gov/DataStore/Reference/Profile/2210280 .
		U.S. Bureau of Land Management (BLM) (2022). BLM National Surface Management Agency Area Polygons - National Geospatial Data Asset (NGDA). Retrieved from https://catalog.data.gov/dataset/blm-national-surface-management-agency-area-polygons-national-geospatial-data-asset-ngda .
		U.S. Department of Transportation (USDOT) (2019). Bureau of Transportation Statistics's (BTS's) National Transportation Atlas Database (NTAD) National Parks (2019). Retrieved from https://catalog.data.gov/dataset/national-parks .
Boundaries	Protected Areas	U.S. Geological Survey (USGS) Gap Analysis Project (GAP) (2022). Protected Areas Database of the United States (PAD-US) 3.0: U.S. Geological Survey data release. https://doi.org/10.5066/P9Q9LQ4B .
	Tribally Controlled Lands	U.S. Census Bureau. (2022). American Indian Area Geography (Ver. 2022). Retrieved from https://www.census.gov/cgi-bin/geo/shapefiles/index.php .
	Urban Areas	U.S. Census Bureau, Geography Division (2021). Urban Areas. Retrieved from https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html

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Boundaries	Land Cover	Dewitz, J., and U.S. Geological Survey (2021) National Land Cover Database (NLCD) 2019 Products (ver. 2.0, June 2021): U.S. Geological Survey data release. Retrieved from https://doi.org/10.5066/P9KZCM54 .
		Hoover, Brendan, Yaw, Sean, & Middleton, Richard. 2020. CostMAP: an open-source software package for developing cost surfaces using a multi-scale search kernel. United States. https://doi.org/10.1080/13658816.2019.1675885
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2007). C-CAP Kahoolawe 2005 era High Resolution Land Cover. Department of Commerce. Retrieved from https://coast.noaa.gov/dataviewer/#/imagery/search/where:ID=354 .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2013). C-CAP Land Cover, Kauai, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataviewer/#/imagery/search/where:ID=4714 .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2013). C-CAP Land Cover, Lanai, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataregistry .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2015). C-CAP Land Cover, Maui, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/ccapftp/ .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2015). C-CAP Land Cover, Molokai, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/ccapftp/ .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2013). C-CAP Land Cover, Niihau, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataviewer/#/imagery/search/where:ID=4715
		.National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2014). 2011 C-CAP Land Cover of Oahu, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/dataregistry .
		National Oceanic and Atmospheric Administration, National Ocean Service, Office of Coastal Management. (2015). 2010 C-CAP Land Cover, Big Island, Hawaii. Department of Commerce. Retrieved from https://coast.noaa.gov/ccapftp/.U.S. Geological Survey. (2020)
	National Land Cover Database (NLCD) 2016 Land Cover - Alaska (ver. 2.0, July 2020). Department of Interior. Retrieved from https://www.mrlc.gov/data/nlcd-2016-land-cover-alaska.	
	Wilderness Areas	U.S. Geological Survey (USGS). (2023). National Wilderness Areas Dataset. Retrieve from https://data.fs.usda.gov/geodata/edw/datasets.php?dsetCategory=boundaries#:~:text=National%20Wilderness%20Areas.
Carbon Capture and Storage by State	CO2 Emissions by State	National Energy Technology Lab (NETL) (2015). Carbon Storage Atlas Fifth Edition (2015). Retrieved from https://www.netl.doe.gov/sites/default/files/2018-10/ATLAS-V-2015.pdf.
	CO2 Infrastructure Legislation Availability by State	Schooley, C., Romeo, L., Pfander, I., Sharma, M., Justman, D., Bauer, J. and Rose, K., 2024. A curated data resource to support safe carbon dioxide transport-route planning. Data in Brief, 52, p.109984. https://www.sciencedirect.com/science/article/pii/S2352340923010144
	CO2 Storage Availability by State	National Energy Technology Lab (NETL) (2015). Carbon Storage Atlas Fifth Edition (2015). Retrieved from https://www.netl.doe.gov/sites/default/files/2018-10/ATLAS-V-2015.pdf.

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Carbon Capture and Storage by State	CO ₂ Taskforce Involvement by State	National Energy Technology Lab (NETL) (2022). Regional Carbon Sequestration Partnerships (RCSP) (2022). Retrieved from https://netl.doe.gov/sites/default/files/2022-05/RCSP%20Infographic_20220512.pdf
Potential CO ₂ Sinks	Active Sinks	National Energy Technology Laboratory (NETL) (2021). Carbon Capture and Storage Interactive Database. Retrieved from https://netl.doe.gov/carbon-management/carbon-storage/worldwide-ccs-database . Third Way (2020). Database of Carbon Capture Projects. Retrieved from https://docs.google.com/spreadsheets/d/1oVPfMZXWK5gOeJx4EZFuWFIWMrxtkY-mfwUngFwgVKs/edit#gid=2051786647 . Clean Air Task Force (2020). Interactive Map of CCUS Projects in Development in the U.S. Retrieved from https://www.catf.us/2020/07/ccus-interactive-map/ .
	Storage	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
Potential CO ₂ Sources	Active Sources	National Energy Technology Laboratory (NETL) (2021). Carbon Capture and Storage Interactive Database. Retrieved from https://netl.doe.gov/carbon-management/carbon-storage/worldwide-ccs-database . Third Way (2020). Database of Carbon Capture Projects. Retrieved from https://docs.google.com/spreadsheets/d/1oVPfMZXWK5gOeJx4EZFuWFIWMrxtkY-mfwUngFwgVKs/edit#gid=2051786647 . Clean Air Task Force (2020). Interactive Map of CCUS Projects in Development in the U.S. Retrieved from https://www.catf.us/2020/07/ccus-interactive-map/ .
	Power Plants	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
	Processing Plants	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
	Refineries	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
Community Metrics	EJScreen by Tract	United States Environmental Protection Agency. 2022 version . EJScreen. Retrieved: 02/10/2023 www.epa.gov/ejscreen
	National Risk Index by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	National Risk Index Community Resilience by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	National Risk Index Expected Annual Loss by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	National Risk Index Social Vulnerability by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .

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Hydrology	Aquifers	U.S. Geological Survey (USGS). Ground Water Atlas of the United States (2003). https://doi.org/10.3133/ha730 . Retrieved from https://water.usgs.gov/GIS/metadata/usgswrd/XML/aquifers_us.xml
	Groundwater Monitoring Locations	U.S. Geological Survey (2021). National Ground-Water Monitoring Network (2022). Retrieved from https://cida.usgs.gov/ngwmn/index.jsp .
	National Hydrology Dataset Areas	U.S. Geological Survey (USGS). National Geospatial Program (2023). USGS National Hydrography in FileGDB 10.1 format (2023); U.S. Geological Survey. Retrieved from https://www.sciencebase.gov/catalog/item/5ea068ae82cefae35a12a120 .
	National Hydrology Dataset Flowlines	U.S. Geological Survey (USGS). National Geospatial Program (2023). USGS National Hydrography in FileGDB 10.1 format (2023); U.S. Geological Survey. Retrieved from https://www.sciencebase.gov/catalog/item/5ea068ae82cefae35a12a120 .
	National Hydrology Dataset Waterbodies	U.S. Geological Survey (USGS). National Geospatial Program (2023). USGS National Hydrography in FileGDB 10.1 format (2023); U.S. Geological Survey. Retrieved from https://www.sciencebase.gov/catalog/item/5ea068ae82cefae35a12a120 .
	National Hydrology Dataset Wells	U.S. Geological Survey (USGS). National Geospatial Program (2023). USGS National Hydrography in FileGDB 10.1 format (2023); U.S. Geological Survey. Retrieved from https://www.sciencebase.gov/catalog/item/5ea068ae82cefae35a12a120 .
Infrastructure	Areas Adjacent Hydrocarbon Pipelines	U.S. Energy Information Administration. (2018). Hydrocarbon Gas Liquid Pipelines (2022). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::hydrocarbon-gas-liquid-pipelines/about .
	Areas Adjacent Natural Gas Pipelines	Oak Ridge National Laboratory Data. (2018). Natural Gas Pipelines (2019). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::natural-gas-pipelines/about .
	Buildings	Federal Emergency Management Agency and Oak Ridge National Laboratory (2021). USA Structures, FEMA Geospatial Resource Center (2022). Retrieved from https://www.arcgis.com/home/item.html?id=0ec8512ad21e4bb987d7e848d14e7e24
	Electric Transmission Lines	Homeland Infrastructure Foundation Level Database. (2022) Electric Transmission Lines (2022). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::transmission-lines/about
	Hydrocarbon Pipeline Right of Ways	U.S. Energy Information Administration. (2018). Hydrocarbon Gas Liquid Pipelines (2022). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::hydrocarbon-gas-liquid-pipelines/about .
	Hydrocarbon Pipelines	U.S. Energy Information Administration (2022). Hydrocarbon Gas Liquid Pipelines. Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::hydrocarbon-gas-liquid-pipelines/about .
	Local Roads	U.S. Census Bureau. (2022). Roads (Ver. 2023). Retrieved from https://www.census.gov/cgi-bin/geo/shapefiles/index.php
	Manufacturing Facilities	Homeland Infrastructure Foundation Level Database. (2023) Manufacturing Facilities (2023). https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::general-manufacturing-facilities/about
	Natural Gas Pipeline Right of Ways	Oak Ridge National Laboratory Data. (2018). Natural Gas Pipelines (2019). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::natural-gas-pipelines/about .
	Natural Gas Pipelines	Oak Ridge National Laboratory Data. (2018). Natural Gas Pipelines (2019). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::natural-gas-pipelines/about .
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Infrastructure	Offshore Platforms Well Pads	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
	Oil Gas Wells	Oak Ridge National Laboratory Data. (2019). Oil and Natural Gas Wells (2020). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::oil-and-natural-gas-wells/about .
	Ports	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
	Primary Roads	U.S. Census Bureau. (2021). Primary Roads (2022). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::primary-roads/about .
	Public Infrastructure	U.S. Geological Survey (2010). USA Buildings (2022). Retrieved from https://www.arcgis.com/home/item.html?id=d5d5b513a40145ffa60b67d9c7ab9680
	Railroads	U.S. Census Bureau. (2021). Railroads (2022). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::railroads-2/about
	Secondary Roads	U.S. Census Bureau. (2021). Secondary Roads Interstates and U.S. Highways (2022). Retrieved from https://hifld-geoplatform.opendata.arcgis.com/datasets/geoplatform::secondary-roads-interstates-and-us-highways/about .
	Stations	Romeo, L., Pfander, I., Sabbatino, M., Sharma, M., Amrine, D., Bauer, J., Rose, K. 2023. CO2-Locate, https://edx.netl.doe.gov/dataset/co2-locate , DOI: 10.18141/1964068
	Underground Storage	U.S. Energy Information Administration (2022). Coal Mines. Retrieved from https://www.eia.gov/maps/layer_info-m.php U.S. Energy Information Administration (2022). Natural Gas Underground Storage. Retrieved from https://www.eia.gov/maps/layer_info-m.php U.S. Energy Information Administration (2022). Petroleum Product Pipelines. Retrieved from https://www.eia.gov/maps/layer_info-m.php U.S. Energy Information Administration (2022). Natural Gas Pipelines. Retrieved from https://www.eia.gov/maps/layer_info-m.php
	Distance to Public Infrastructure	U.S. Geological Survey (2010). USA Buildings (2022). Retrieved from https://www.arcgis.com/home/item.html?id=d5d5b513a40145ffa60b67d9c7ab9680
	Intermodal Freight Facilities	Homeland Infrastructure Foundation Level Database. (2022) Intermodal Freight Facilities Pipelines (2022). https://hifld-geoplatform.opendata.arcgis.com/datasets/intermodal-freight-facilities-pipelines-2/about
	Distance to Intermodal Freight Facilities	Homeland Infrastructure Foundation Level Database. (2022) Intermodal Freight Facilities Pipelines (2022). https://hifld-geoplatform.opendata.arcgis.com/datasets/intermodal-freight-facilities-pipelines-2/about
Natural Hazards	Floodplains	Federal Emergency Management Agency, 2021, National Flood Hazard Layer (NFHL) Database, Retrieved from https://hazards.fema.gov/femaportal/NFHL/searchResulthttps://hazards.fema.gov/femaportal/NFHL/searchRes11ult
	Landslide Susceptibility	Stanley, T., Kirschbaum, D.B. A heuristic approach to global landslide susceptibility mapping. Nat Hazards 87, 145–164 (2017). https://doi.org/10.1007/s11069-017-2757-y
	National Risk Index Coastal Flood Risk by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
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Natural Hazards	National Risk Index Earthquake Risk by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	National Risk Index Landslide Risk by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	National Risk Index Riverine Flood Risk by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	National Risk Index Wildfire Risk by County	Zuzak, C., E. Goodenough, C. Stanton, M. Mowrer, N. Ranalli, D. Kealey, and J. Rozelle (2021). National Risk Index Technical Documentation. Federal Emergency Management Agency, Washington, DC. Retrieved from https://hazards.fema.gov/nri/map .
	Soil Frost Action Potential	Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Retrieved from https://websoilsurvey.nrcs.usda.gov/ .
	Soil Steel Corrosion Potential	Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Retrieved from https://websoilsurvey.nrcs.usda.gov/ .
	Slope	U.S. Geological Survey (2022). 3D Elevation Program 1/3 arc-seconds (2022). Retrieved from https://rockyweb.usgs.gov/vdelivery/Datasets/Staged/Elevation/13/TIFF/current/ .
	Soil Erodibility by Water	Soil Survey Staff, Natural Resources Conservation Service (NRCS), United States Department of Agriculture (USDA). (2022). Soil Survey Geographic (SSURGO) Database for the conterminous United States. Retrieved from https://www.nrcs.usda.gov/resources/data-and-reports/gridded-soil-survey-geographic-gssurgo-database .
	Hydric Soil Rating	Soil Survey Staff, Natural Resources Conservation Service (NRCS), United States Department of Agriculture (USDA). (2022). Soil Survey Geographic (SSURGO) Database for the conterminous United States. Retrieved from https://www.nrcs.usda.gov/resources/data-and-reports/gridded-soil-survey-geographic-gssurgo-database .
	Average Minimum Temperature	Wang T, Hamann A, Spittlehouse D, Carroll C (2016) Locally Downscaled and Spatially Customizable Climate Data for Historical and Future Periods for North America. PLoS ONE 11(6): e0156720. doi:10.1371/journal.pone.0156720
	Average Maximum Temperature	Wang T, Hamann A, Spittlehouse D, Carroll C (2016) Locally Downscaled and Spatially Customizable Climate Data for Historical and Future Periods for North America. PLoS ONE 11(6): e0156720. doi:10.1371/journal.pone.0156720