

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	
Water	NHD plus	The National Hydrography Dataset Plus (NHDplus) maps the lakes, ponds, streams, rivers and other surface waters of the United States. Created by the US EPA Office of Water and the US Geological Survey, the NHDplus provides mean annual and monthly flow estimates for rivers and streams. Additional attributes provide connections between features facilitating complicated analyses.	USGS, EPA	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=4bd9b6892530404abfe13645fcb5099a/info/metadata/metadata.xml?format=html&output=html&token=VNuScYmMc-QoFmHelKOkQd_R6GXIEE9k-AFpo7u0hfm2GF889vHmf1buJRM-68DmJr_Ru8ltasNuO9IupSXyShOzeJDo6GwDZYAHZe3VK2PI60uLJlow1zJ7_T94R5BF_IHwHsUEda1XJaVD7vPIRch6CJeQzLXz2P4c3zqcFuEoMpvTdpLRo1VKKMZvBe3eaJeWsT8AkmM6KnmJwGrUqGu4UoQnx4	https://sraproject.maps.arcgis.com/sharing/rest/content/items/4bd9b6892530404abfe13645fcb5099a/info/metadata/metadata.xml?format=html&output=html&token=VNuScYmMc-QoFmHelKOkQd_R6GXIEE9k-AFpo7u0hfm2GF889vHmf1buJRM-68DmJr_Ru8ltasNuO9IupSXyShOzeJDo6GwDZYAHZe3VK2PI60uLJlow1zJ7_T94R5BF_IHwHsUEda1XJaVD7vPIRch6CJeQzLXz2P4c3zqcFuEoMpvTdpLRo1VKKMZvBe3eaJeWsT8AkmM6KnmJwGrUqGu4UoQnx4	
	Wetland Inventory	Wetlands are areas where water is present at or near the surface of the soil during at least part of the year. Wetlands provide habitat for many species of plants and animals that are adapted to living in wet habitats. Wetlands form characteristic soils, absorb pollutants and excess nutrients from aquatic systems, help buffer the effects of high flows, and recharge groundwater. Data on the distribution and type of wetland play an important role in land use planning and several federal and state laws require that wetlands be considered during the planning process.	US Fish and Wildlife	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=112cb14aa91b41efb001d676a8e289b4	https://sraproject.maps.arcgis.com/sharing/rest/content/items/112cb14aa91b41efb001d676a8e289b4	
	303d Impaired Waterways. (ATTAINS- The assessment, Total Maximum Daily Load Tracking and Implementation System.)	State water quality assessment decisions reported to EPA under the Integrated Report (IR), and Clean Water Act Sections 303(d) and 305(b). This service provides summary information for each Assessment Unit. For more detailed data, please reference the Assessment Total Maximum Daily Load (TMDL) Tracking and Implementation System (ATTAINS) web services. Information on those web services is provided on the public ATTAINS website: https://www.epa.gov/waterdata/attains	EPA	2022	Y	https://gispub.epa.gov/arcgis/rest/services/OW/ATTAINS_Assessment/MapServer	https://gispub.epa.gov/arcgis/rest/services/OW/ATTAINS_Assessment/MapServer	
	Water Boundaries Dataset	The Watershed Boundary Dataset (WBD) is a comprehensive aggregated collection of hydrologic unit data consistent with the national criteria for delineation and resolution. It defines the areal extent of surface water drainage to a point except in coastal or lake front areas where there could be multiple outlets as stated by the "Federal Standards and Procedures for the National Watershed Boundary Dataset (WBD) Standard" (https://pubs.usgs.gov/tm/11/a/3/). Watershed boundaries are determined solely upon science-based hydrologic principles, not favoring any administrative boundaries or special projects, nor particular program or agency. This dataset represents the hydrologic unit boundaries to the 12-digit (8th level) for the entire United States.	USGS	2022	Y	https://prd-tnm.s3.amazonaws.com/index.html?ref=StagedProducts/Hydrography/WBD/National/GDB/	https://prd-tnm.s3.amazonaws.com/StagedProducts/Hydrography/WBD/National/GDB/WBD_National_GDB.xml	
	National Flood and Hazard Layer	The National Flood Hazard Layer (NFHL) is a compilation of GIS data that comprises a nationwide digital Flood Insurance Rate Map. The GIS data and services are designed to provide the user with the ability to determine the flood zone, base flood elevation, and floodway status for a particular location.	FEMA	2021	Y	https://hazards.fema.gov/gis/nfl/rest/services/FIRM/FeatureServer/1/FIRM/MapServer	https://catalog.data.gov/dataset/national-flood-hazard-layer-nfl_299e82ea31b9477a326a9300052daf	
	Water Quality Monitoring Stations	Water quality stations monitored by the EPA. Stations and monthly data gathered for Water Quality Index.	EPA	2022	Y	https://echogeo.epa.gov/arcgis/rest/services/WQI/WQI_stations_wit_h_data/MapServer/0	https://echogeo.epa.gov/arcgis/rest/services/WQI/WQI_stations_wit_h_data/MapServer/0	
	Sole Source Aquifers	EPA defines a sole or principal source aquifer as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. These areas may have no alternative drinking water source(s) that could physically, legally and economically supply all those who depend on the aquifer for drinking water. For convenience, all designated sole or principal source aquifers are referred to as "sole source aquifers" (SSAs).	EPA	2022	Y	https://ejsscreen.epa.gov/arcgis/rest/services/NFPA_Sist/Water/MapServer/0	https://ejsscreen.epa.gov/arcgis/rest/services/NFPA_Sist/Water/MapServer/0	
	USA Aquifers	Aquifers are underground layers of gravel, sand, or permeable rock that contain ground water. This water can be extracted using a well and provides an important source of water in many regions of the world. This layer, produced as part of the Ground Water Atlas of the United States, provides access to the areal extent of the principal aquifers of the United States. In areas where multiple aquifers exist at different depths below the surface only the shallowest aquifer is included.	US-FWS	2022	Y	https://services.arcgis.com/P3ePLMYs2RVChkIj/arcgis/rest/services/USA_Aquifers_Feature_Layer/view/FeatureServer/0	https://services.arcgis.com/P3ePLMYs2RVChkIj/arcgis/rest/services/USA_Aquifers_Feature_Layer/view/FeatureServer/0	
	CAFOs and Pollution	CAFOs from NPDES	Dataset was filtered to display CAFOs. The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products. For more detailed information about these facilities, use the FRS Query tool. This publicly available FRS data is part of the FRS Sub Facility map service and has been created for ESRI Living Atlas. The Sub facility map service is comprised of the EPA National Pollutant Discharge Elimination Systems Sites (NPDES), authorized by the Clean Water Act by regulating point sources that discharge pollutants into the waters of the United States. The NPDES data set provides outfall locations (or discharge points) of various pollutants into water systems from facilities being monitored by the EPA.	EPA	2023	Y	https://sraproject.maps.arcgis.com/home/item.html?id=56eac669cb4b529c067a65a3c559b5	https://sraproject.maps.arcgis.com/sharing/rest/content/items/56eac669cb4b529c067a65a3c559b5
		Manure application (kg N/ha/yr)	Map depicts the mean rate of manure application to agricultural field lands from CAFO operations	EPA		Y	https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B7fe43065-3153-46a5-8c5e-b9cc3ede39ff%7D	https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B7fe43065-3153-46a5-8c5e-b9cc3ede39ff%7D
ECHO Facilities reports		The ECHO Facilities Map Service includes data about EPA-regulated facilities from the All Media Programs facility search and the ECHO Exporter and is refreshed weekly on Mondays. The map layer uses ECHO's standard facility symbology, illustrating the programs each facility is regulated under, whether they are in noncompliance, how long it has been since the last inspection, and whether they are a major facility. Users can choose to view all facilities or tailor the view to facilities regulated under the Clean Air Act, Clean Water Act, or Resource Conservation and Recovery Act.	EPA	2021	Y	need to fix pop	https://echogeo.epa.gov/arcgis/rest/services/ECHO/Facilities/MapServer	https://echogeo.epa.gov/arcgis/rest/services/ECHO/Facilities/MapServer
CAFO enforcement actions		Concluded EPA Enforcement Actions at Concentrated Animal Feeding Operations (CAFOs) under the "Preventing Animal Waste from Contaminating Surface and Ground Water" National Compliance Initiative.	EPA	2019	Y	https://sraproject.maps.arcgis.com/home/item.html?id=e448c6cf7b874f09bbc1a06b17d5d7fc	https://sraproject.maps.arcgis.com/sharing/rest/content/items/e448c6cf7b874f09bbc1a06b17d5d7fc	
CAFO inspections		EPA Inspections at Concentrated Animal Feeding Operations (CAFOs) under the "Preventing Animal Waste from Contaminating Surface and Ground Water" National Compliance Initiative. Inspections include both federal-only inspections and inspections that were federally-led with state participation.	EPA	2019	Y	https://sraproject.maps.arcgis.com/home/item.html?id=1b446937201347fa8c4ca39a1a57bf1	https://sraproject.maps.arcgis.com/sharing/rest/content/items/1b446937201347fa8c4ca39a1a57bf1	
Cleanups in my Community Sites		Cleanups in My Community (CIMC) enables you to map and list hazardous waste cleanup locations and grant areas, and drill down to details about those cleanups and grants and other, related information. Accidents, spills, leaks, and past improper disposal and handling of hazardous materials and wastes have resulted in tens of thousands of sites across our country that have contaminated our land, water (groundwater and surface water), and air (indoor and outdoor). EPA and its state and territorial partners have developed a variety of cleanup programs to assess and, where necessary, clean up these contaminated sites.	EPA	2022	Y	https://edg.epa.hub.arcgis.com/datasets/EPA_cleanups-in-my-community-sites/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/d5b2a9f54e01442aa324263d32b5b1/info/metadata/metadata.xml?format=html&output=html	

	EPA Facility Registry Service - Integrated Compliance Information System Federal Enforcement and Compliance (ICIS FE&C)	Integrated Compliance Information System Federal Enforcement and Compliance (ICIS FE&C) facilities in the United States and its territories. The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products.	EPA	2022	Y	https://services.arcgis.com/c3jYHwT8UUDJyn/arcgis/rest/services/FRS_INTERESTS_ICIS/FeatureServer/0
	Assessment Cleanup and Redevelopment Exchange System (ACRES) Facilities including brownfield properties.	The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products. For more detailed information about these facilities, use the FRS Query tool.	EPA	2023	Y	https://sraproject.maps.arcgis.com/home/item.html?id=becec3456e414008ab77b26b640331a8
	Toxic Release Inventory (TRI) System facilities in the United States and its territories.	The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products. For more detailed information about these facilities, use the FRS Query tool.	EPA	2023	Y	https://sraproject.maps.arcgis.com/home/item.html?id=de71cdcdc924aca86af4f838744fce7
	Add to Favorites Superfund Enterprise Management System (SEMS) facilities in the United States and its territories	The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products. For more detailed information about these facilities, use the FRS Query tool.	EPA	2023	Y	https://sraproject.maps.arcgis.com/home/item.html?id=7dd2b4b4cfca775b034a7bb86c0a60
	National Pollutant Discharge Elimination System (NPDES) permit program across the United States and its territories.	The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products. For more detailed information about these facilities, use the FRS Query tool. This publicly available FRS data is part of the FRS Sub Facility map service and has been created for ESRI Living Atlas. The Sub facility map service is comprised of the EPA National Pollutant Discharge Elimination Systems Sites (NPDES), authorized by the Clean Water Act by regulating point sources that discharge pollutants into the waters of the United States. The NPDES data set provides outfall locations (or discharge points) of various pollutants into water systems from facilities being monitored by the EPA.	EPA	2023	Y	https://sraproject.maps.arcgis.com/home/item.html?id=56aac693cfb44523c967a65a3c559b5
Census of Agriculture	Census of Agriculture	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/URZ3KwaTDnUJK/GIT/arcgis/rest/services/NAASS_2017_COUNTY/FeatureServer/0
	USDA Census of Agriculture 2017 Hog Production	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry. This layer summarizes hog production from the 2017 Census of Agriculture at the county level. This layer was produced from data downloaded using the USDA's QuickStats Application. The data was transformed using the Pivot Table tool in ArcGIS Pro and joined to the county boundary file provided by the USDA. The layer was published as feature layer in ArcGIS Online.	USDA	2017	Y	https://services.arcgis.com/P3ePLMYs2RVChk/x/ArcGIS/rest/services/USDA_Census_of_Agriculture_2017_Hog_Production_WMT/MapServer
	USDA Census of Agriculture 2017 Cattle Production	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry. This layer summarizes cattle production from the 2017 Census of Agriculture at the county level. This layer was produced from data downloaded using the USDA's QuickStats Application. The data was transformed using the Pivot Table tool in ArcGIS Pro and joined to the county boundary file provided by the USDA. The layer was published as feature layer in ArcGIS Online.	USDA	2017	Y	https://services.arcgis.com/P3ePLMYs2RVChk/x/ArcGIS/rest/services/USDA_Census_of_Agriculture_2017_Cattle_Production_WMT/MapServer
	USDA Census of Agriculture 2017 Dairy Production	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry. This layer summarizes dairy production from the 2017 Census of Agriculture at the county level. This layer was produced from data downloaded using the USDA's QuickStats Application. The data was transformed using the Pivot Table tool in ArcGIS Pro and joined to the county boundary file provided by the USDA. The layer was published as feature layer in ArcGIS Online.	USDA	2017	Y	https://services.arcgis.com/P3ePLMYs2RVChk/x/ArcGIS/rest/services/USDA_Census_of_Agriculture_2017_Dairy_Production_WMT/MapServer
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators of a community -Demographic Index: The Demographic Index in EJSCREEN is created using the -Individuals under age 5: Percent of people in a block group under the age of 5. -Individuals over age 64: Percent of people in a block group over the age of 64. -Low Income: The percent of a block group's population in households where the -Limited English Speaking: Percent of people in a block group living in linguistic -People of Color: The percent of individuals in a block group who list their racial s -Unemployment Rate: The percent of a block group's population that did not have -Less Than High School Education: Percent of people age 25 or older in a block g	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B086A9D3F-9AC9-4A5A-BABB-7B89468BA4C3%7D
	EJ Screen Demographic Indexes 2022	There are twelve Environmental Justice Indexes with each corresponding to one -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Index)	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_Public/MapServer https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B086A9D3F-9AC9-4A5A-BABB-7B89468BA4C3%7D
	USA Native Lands	The American Indian and Alaskan Native Land Area Representation (AIAN-LAR) dataset is the Bureau of Indian Affairs's (BIA) official geospatial representation of American Indian land areas for federally recognized tribes. These data depict the external extent of Federal Indian reservations and the external extent of associated land "held in trust" by the United States, "restricted fee" or "mixed ownership" status for Federally recognized tribes and individual Native Americans.	BIA	2022	Y	https://services.arcgis.com/P3ePLMYs2RVChk/x/ArcGIS/rest/services/USA_Native_Lands/FeatureServer

	Justice 40 Tracts	This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps. Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348c8a9ae28b344c2957d
	American Indian and Alaska Native Land Area	Developed by the U.S. Department of the Interior, this content item depicts National Land Area Representations as delineated by the Bureau of Indian Affairs. For more information, please visit the U.S. Bureau of Indian Affairs webpage, climate change indicators webpage. These data and their corresponding metadata records can be downloaded from the EPA Environmental Dataset Gateway (EDG).	EPA and DOI	2022	Y	https://services.arcgis.com/cJ9YHowT8TU7DUyn/arcgis/rest/services/BND_American_Indian_Alaska_Native_Land_Area_Representations_BIA/FeatureServer/1
	Census Block Tracts 2020	This layer contains block level 2020 Decennial Census redistricting data as reported by the U.S. Census Bureau for all states plus DC and Puerto Rico. The attributes come from the 2020 Public Law 94-171 (P.L. 94-171) tables.	Census Bureau	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=b3642e91b49548f5f772394b0537681
Geology	Karst	This report describes new digital maps delineating areas of the United States, including Puerto Rico and the U.S. Virgin Islands, having karst or the potential for development of karst and pseudokarst. These maps show areas underlain by soluble rocks and also by volcanic rocks, sedimentary deposits, and permafrost that have potential for karst or pseudokarst development.	USGS	2014	Uploaded	https://pubs.usgs.gov/of/2014/1156/ https://pubs.usgs.gov/of/2014/1156/downloads/Metadata_USKarstMap_FGDC.xml
	State Geologic Map Compilation	This feature layer, utilizing data from the U.S. Geological Survey, portrays the State Geologic Map Compilation (SGMC) geodatabase of the conterminous United States. The SGMC represents a seamless, spatial database of 48 State geologic maps. Per USGS, "A national digital geologic map database is essential in interpreting other datasets that support numerous types of national-scale studies and assessments, such as those that provide geochemistry, remote sensing, or geophysical data. The SGMC is a compilation of the individual USGS releases of the Preliminary Integrated Geologic Map Databases for the United States."	USGS	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=80bc0fc5e41441a893920d22d8593ed
	USA Soils Map Units	Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.	Soil Survey	2022	Y	https://landscape11.arcgis.com/arcgis/rest/services/USA_Soils_Map_Units/featureserver/0
	Critical Habitat for Endangered Species	This National Geospatial Data Asset (NGDA) dataset, shared as a U.S. Fish and Wildlife Service (FWS) feature layer, displays proposed and designated critical habitat under the U.S. Endangered Species Act.	US Fish and Wildlife Service	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=9d0965dae6a64f381af80c2f7ea2efe
Wildlife	Waterfowl Production Areas	This U.S. Fish and Wildlife Service (FWS) feature layer depicts Waterfowl Production Areas (WPA). Per FWS, "For nearly a century, the U.S. Fish and Wildlife Service has used funds from the sale of federal Duck Stamps to conserve some of the most threatened and productive migratory bird habitat in the nation." Also, "Waterfowl production areas are administratively organized into 38 wetland management districts (WMDs) with individual districts often spanning many counties."	US Fish and Wildlife Service	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=14e9ffa1ee304c46b7d4fab018cfd39d
	National Wildlife Refuges	This U.S. Fish and Wildlife Service (FWS) feature layer depicts National Wildlife Refuges. These Refuges display external boundary of lands and waters administered by FWS. According to FWS, "Each unit of the Refuge System — whether it is a wildlife refuge, a marine national monument, a conservation area or a waterfowl production area — is established to serve a statutory purpose that targets the conservation of native species dependent on its lands and water. All activities on those acres are reviewed for compatibility with this statutory purpose."	US Fish and Wildlife Service	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=1d7d70b51c094ae2ab9f56b16fd3d86
	ESA designated Critical Habitat	Critical habitat is the specific areas within the geographic area, occupied by the species at the time it was listed, that contain the physical or biological features that are essential to the conservation of endangered and threatened species and that may need special management or protection. Critical habitat may also include areas that were not occupied by the species at the time of listing but are essential to its conservation.	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/NEPAs/sist/HabitatData/MapServer/6
	ESA Designated Critical River, Stream, and Waterway Habitat	Critical habitat is the specific areas within the geographic area, occupied by the species at the time it was listed, that contain the physical or biological features that are essential to the conservation of endangered and threatened species and that may need special management or protection. Critical habitat may also include areas that were not occupied by the species at the time of listing but are essential to its conservation.	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/NEPAs/sist/HabitatData/MapServer/7
	BLM Area of Critical Environmental Concern	Areas of Critical Environmental Concern (ACEC) is a conservation ecology program in the Western United States, managed by the Bureau of Land Management (BLM). The ACEC program was conceived in the 1976 Federal Lands Policy and Management Act (FLPMA), which established the first conservation ecology mandate for the BLM. The FLPMA mandate directs the BLM to protect important riparian corridors, threatened and endangered species habitats, cultural and archeological resources, as well as unique scenic landscapes that the agency assesses as in need of special management attention.	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/NEPAs/sist/HabitatData/MapServer/5

	Layer Name	Description	Agency	Year	Active Y/N	URL	Metadata lii Other	
Water	Non-Public Wells	Locations permitted or monitored by the DNR and Environmental Control (EC)	DE-DNR and EC		2022	Y	https://opendata.firstmap.delaware.gov/datasets/delaware:non-public-wells/about	
	Permitting and Monitoring	This package of layers contains a lot of good information on environmental permitting and monitoring. This layer package has most of the layers of interest for SRAP. Locations permitted or monitored by the DNR and EC. Layers in this data file are: Septic Soil Borings, Certified Brownfields, Leaking Underground Storage Tanks, SIRS sites, underground Storage Tanks, Solid and Hazardous Waste, Wellhead Protection Areas, Saltwater Tidal Buffers, Biosolids and Residuals, Spray Irrigation, Groundwater Management Zones, SUssex County Landfills, Non-Public Wells, SIRS Projects, Air Monitoring Stations, Site Index Consolidated (Animal Feeding Operations are represented here)	DE-DNR and EC		2022	Y	https://www.arcgis.com/home/item.html?id=a80727dca89b469691d326f6cd104815	
	Delaware Groundwater Recharge Potential	The data set is being used in digital ground water flow modeling and geologic mapping. The groundwater recharge potential show land areas characterized by their abilities to transmit water from land surface to a depth of 20 feet.	DE-DNR and EC		2021	Y	https://opendata.firstmap.delaware.gov/datasets/delaware:delaware-groundwater-recharge-potential-2-0/about	
	Delaware Watersheds 2.0	Watershed clipped from the NHD. HUC 2,4,6,8,10,12	USGS		2021	Y	https://opendata.firstmap.delaware.gov/maps/delaware:delaware-watersheds-2-0/about	
	Delaware Water 2.0	From the NHD/USGS this dataset contains 3 layers, Major Rivers, Flowlines, and Lakes	USGS		2021	Y	https://opendata.firstmap.delaware.gov/maps/delaware-water-2-0/about	
	Delaware Wetlands 2.0	The purpose of this data is to identify and map areas likely to be wetland on the landscape.	DE-DNR and EC		2021	Y	https://opendata.firstmap.delaware.gov/maps/delaware-wetlands-2-0-1/about	
Land	Delaware Forestry 2.0	The data layers include Forest Cover 2007, Pine Plantations, State Forest Location and Urban Tree Canopy.	Department of Agriculture Forestry		2021	Y	https://www.arcgis.com/sharing/rest/content/items/d873eef8168a40e9ad1aa4f3da1ff543/info/metadata/metadata.xml?format=default&output=html	
	Delaware Protected Natural Resources 2.0	Data set contains Park Facilities, Natural Areas, Outdoor recreation, Trails, Land and Water Fund protected lands, Nature preserves, Public Protected Lands, No Build Lines and Points.	DE-DNR and EC		2022	Y	https://opendata.firstmap.delaware.gov/maps/delaware-protected-natural-resources-2-0-1/about	
	Delaware Ecological Network 2.0	A statewide conservation network developed from GIS and Field collected data. The Delaware Ecological Network is made up of the following elements: core areas which contain relatively intact natural ecosystems and provide high quality habitat for native plants and animals; hubs which are slightly fragmented aggregations of core areas, plus contiguous natural cover; and corridors which link core areas together allowing wildlife movement.			2021	Y	https://opendata.firstmap.delaware.gov/datasets/delaware:delaware-ecological-network-2-0/about	
	Delaware Soils 2.0	This data set is a digital soil survey and generally is the most detailed level of soil geographic data developed by the National Cooperative Soil Survey. For Kent, Sussex, and New Castle Counties there is data for Soils, Soils Components, and Soils Hydric.	National Cooperative Soil Survey		2021	Y	https://www.arcgis.com/home/item.html?id=b6f4409d3b8f4d0194e245c27090a494	
	State of Delaware Parcels 2.0	Parcel boundaries, but does NOT have ownership information	State of Delaware		2021	Y	https://www.arcgis.com/home/item.html?id=35154346e73748ef915d863651839ccc	

CAFOs and Pollution	Site Index Consolidated	Layer that contains permitted sites, includes animal feeding operations	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer/15		
	Delaware CAFOs with impairment info	Point locations for CAFOs with information such as animal type, animal number, farm address, farm owner	Chesapeake bay foundation	2020	Y	https://sraproject.maps.arcgis.com/home/item.html?id=18a95b6cbe3478c9d842073d5394855		
	Environmental Permitting and Monitoring:	Feature Class that contained many layers relating to environmental permitting and monitoring. The following layers are associated with this feature class.	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	Certified Brownfields	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	Wellhead Protection Areas	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	SIRS Sites	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	SIRS Projects	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	Solid and Hazardous Waste	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	Biosolids and Residuals	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	Spray Irrigation	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		
	Groundwater Management Zones	from the Environmental Permitting and monitoring feature class	DE-DNR and EC	2022	Y	https://enterprise.firstmap.delaware.gov/arcgis/rest/services/Environmental/Permitting_and_Monitoring/FeatureServer		

Demographics	Socioeconomic Indicators 2022	<p>EJSCREEN uses demographic factors as very general indicators of environmental justice concerns.</p> <ul style="list-style-type: none"> -Demographic Index: The Demographic Index in EJSCREEN is a composite of the following indicators: -Individuals under age 5: Percent of people in a block group who are under age 5. -Individuals over age 64: Percent of people in a block group who are 64 years of age or older. -Low Income: The percent of a block group's population with a household income below the federal poverty level. -Limited English Speaking: Percent of people in a block group who speak a language other than English at home. -People of Color: The percent of individuals in a block group who are Black or Hispanic. -Unemployment Rate: The percent of a block group's population who are unemployed. -Less Than High School Education: Percent of people with less than a high school education. 	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer		
	EJ Screen Demographic Indexes 2022	<p>There are twelve Environmental Justice Indexes with the following indicators:</p> <ul style="list-style-type: none"> -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge <p>The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * EPA</p>	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_Public/MapServer		
	Justice 40 Tracts	<p>This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps.</p> <p>Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data.</p>	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cba9ae28b344d2957d		
Census of Agriculture	NASS 2017 County Inventory	<p>The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.</p>	USDA	2017	Y	https://services1.arcgis.com/UR23KwaTDnbUKjGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0		

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other	
Water	Impaired waters river and lakes	Service Description: Impaired Streams and Lakes for Surface Water Section for the 2022 cycle of 305b	IL-EPA		2022	Y	https://geoservices.epa.illinois.gov/arcgis/rest/services/Water/ImpairedWater2022/MapServer		
	Streams NHD 24k	National Hydrology Dataset section line segments for Illinois. Distributed by the IL-DNR	IL-DNR		2022	Y	https://geoservices2.dnr.illinois.gov/arcgis/rest/services/Hosted/BaseData/FeatureServer/7		
	Groundwater Protection Areas	This data layer contains those areas which have been designated as Class III Special Resource Groundwater. Class III Special Resource Groundwater is groundwater which may take on an ecologically vital role, such as supporting a wetland or cave. More stringent standards may be developed to classify and protect areas which are deemed Class III.	IL-EPA		2022	Y	https://geoservices.epa.illinois.gov/arcgis/rest/services/Water/GroundwaterProtection/MapServer/6		
	Wetlands NWI	Wetland layer from the National wetlands inventory. Clipped section from Illinois hosted by the Illinois DNR	IL-DNR		2022	Y	https://geoservices2.dnr.illinois.gov/arcgis/rest/services/Hosted/BaseData/FeatureServer/35		
	Groundwater Ordinance	Municipalities propose ordinances restricting use of groundwater. IEPA approves these ordinances	IL-EPA		2022	Y	https://geoservices.epa.illinois.gov/arcgis/rest/services/Boundaries/GroundwaterOrdinance/FeatureServer		
	Wells Intakes	This data layer contains the locations of groundwater wells utilized by community water supplies (CWS) in Illinois as a source of water.	IL-EPA		2022	Y	https://geoservices.epa.illinois.gov/arcgis/rest/services/SWAP/CWS_Wells_agol/Edit/FeatureServer/0		
	100 year floodplain	100 year floodplain polygons for Illinois Produced by the IL-DNR	IL-DNR		2022	Y	https://services5.arcgis.com/vxriHwYUGDCBCbeh/arcgis/rest/services/100_Year_Floodplain/FeatureServer/0		
	Biologically Significant Streams	Streams that have been identified for biological importance. Produced by the IL-DNR	IL-DNR		2022	Y	https://services5.arcgis.com/vxriHwYUGDCBCbeh/arcgis/rest/services/Biologically_Significant_Streams/FeatureServer/0		
Land	Faults	Fault lines represented by line feature class. This data set is provided by the IL DNR	IL-DNR		2022	Y	https://geoservices2.dnr.illinois.gov/arcgis/rest/services/Hosted/BaseData/FeatureServer/3		
	Conservation Opportunity Areas	Areas of possible future conservation. Areas of high concern for conservation activities as reported by the Illinois DNR.	IL-DNR		2022	Y	https://services5.arcgis.com/vxriHwYUGDCBCbeh/arcgis/rest/services/Conservation_Opportunity_Areas/FeatureServer/0		
	Illinois Protected Lands	Areas of protected lands broken into public sector, private sector, and municipalities.	IL-DNR		2022	Y	https://services5.arcgis.com/vxriHwYUGDCBCbeh/ArcGIS/rest/services/Illinois_Protected_Lands/FeatureServer		
CAFOs and Pollution	CAFOs from NPDES	Dataset was filtered to display CAFOs. The Facility Registry Service (FRS) provides quality facility data to support EPA's mission of protecting human health and the environment by identifying and geospatially locating facilities, sites, or places subject to environmental regulations of environmental interest. Facility data is improved with geospatial processing of incoming data and data curation tools to provide an integrated, dataset to partners and the public through a variety of methods and products. For more detailed information about these facilities, use the FRS Query tool. This publicly available FRS data is part of the FRS Sub Facility map service and has been created for ESRI Living Atlas. The Sub facility map service is comprised of the EPA National Pollutant Discharge Elimination Systems Sites (NPDES), authorized by the Clean Water Act by regulating point sources that discharge pollutants into the waters of the United States. The NPDES data set provides outfall locations (or discharge points) of various pollutants into water systems from facilities being monitored by the EPA.	EPA		2023	Y	https://sraproject.maps.arcgis.com/home/item.html?id=56eac669cbf4b529c067a65a3c559b5		
	PFAS sample points	PFAS sampling results for Groundwater Section, BOW, DPWS. the data are being utilized to record and analysis.	IL-EPA		2022	Y	https://geoservices.epa.illinois.gov/arcgis/rest/services/Water/PfasSamplePoints/FeatureServer		
	Nitrate in IDA Wells	Nitrogen concentrations that are 3 times higher than standard. Collected from the IL-DNR.	IL-EPA		2022	Y	https://geoservices.epa.illinois.gov/arcgis/rest/services/SWAP/NitrateIDAWells/MapServer/0		
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators. The Demographic Index in EJSCREEN includes: -Individuals under age 5: Percent of people in a block group with -Individuals over age 64: Percent of people in a block group over -Low Income: The percent of a block group's population in households -Limited English Speaking: Percent of people in a block group -People of Color: The percent of individuals in a block group who -Unemployment Rate: The percent of a block group's population -Less Than High School Education: Percent of people age 25 and over	EPA		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer		

	EJ Screen Demographic Indexes 2022	<p>There are twelve Environmental Justice Indexes with each color:</p> <ul style="list-style-type: none"> -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge <p>The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Factor)</p>	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indices_2022_Public/MapServer
	Justice 40 Tracts	<p>This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps.</p> <p>Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data</p>	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cb9ae28b344d2957d
Census of Agriculture	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/URZ3KwaTDnbUkIGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0

	Layer Name	Description	Agency	Year	Active Y/N	URL	Metadata lii Other
Water	Water Wells of Indiana	407K total records. Shows location and some records of owner but not on all. Private wells monitored by the Indiana DNR	IDNR	2022	Y	https://www.indianamap.org/datasets/INMap:water-wells-of-indiana-idnr/about	https://www.arcgis.com/sharing/rest/content/items/67ae17877937442dbf454390d3cc803/info/metadata.xml?format=default&output=html
	e303d_2014	This layer provides the spatial references and extents of the streams in Indiana per the Clean Water Act Section 303(d) and 305(b) requirements.	IDEM - Indiana Department of Environmental Management	2014	Y	https://gis.in.gov/arcgis/rest/services/DEM/e303d_2014/FeatureServer	
	NHD Waterbodies	NHD dataset clipped for Indiana waterbodies	USGS	2022	Y	https://www.arcgis.com/home/item.html?id=e5e06cf59f38456286cdfca78d4b953f	
	Best Available Flood Hazard Layer	Best available flood hazard data for Indiana. It includes effective mapping with additional updates based on the Zone A mapping project data, DNR model reviews, and other floodplain data that is not FEMA approved but is considered "best available" by the Indiana Department of Natural Resources.	IDNR	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/Best_Available_Flood_Hazard_Layer_RO/FeatureServer	
	Exceptional Use Waters of Indiana	Waterbodies whose quality exceeds that necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water.	IDEM	2009	Y	https://gisdata.in.gov/server/rest/services/Hosted/Exceptional_Use_Water/FeatureServer	
	Water Quality Assessment Information	The IDEM Office of Water Quality (OWQ) has been collecting water quality data across Indiana for many years. Since 1990 data have been collected and maintained in a central repository called the Assessment Information Management System (AIMS), including the surface water monitoring activities conducted for the last 20 years. The OWQ Surface water program, Nonpoint Source and Total Maximum Daily Load (TMDL) programs, the Integrated Report, and the 303(d) Impaired Waters Listing/Delisting programs use this system and data. The parameters collected include general chemistry and other field measurements, aquatic biological life integrity and community variables, and habitat evaluations. A limited version of this data is available to the public through the Indiana Water Quality Atlas and the full complement of data is available upon request.	IDEM	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/AIMS/FeatureServer	
Land	Soil Survey SSURGO	The dataset was created for use in national, regional, and state-wide resource planning and analysis of soils data. The Soil Survey Geographic (SSURGO) Database depicts information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.	National Soil Survey	2022	Y	https://www.arcgis.com/home/item.html?id=7a91e1085e4d4f40a41a748f1b3f876f6	
	Parcel Boundaries for Indiana Current	This dataset was developed to provide accurate parcel boundaries for Indiana, as part of Indiana's annual GIS Data Harvest Data Sharing Initiative (IDSI) of the Indiana Geographic Information Office (GIO).	Indiana Geographic Information Office	2022	Y	https://www.arcgis.com/home/item.html?id=70565d886f1e4528a43a86be6ce5c2f3	https://www.arcgis.com/sharing/rest/content/items/70565d886f1e4528a43a86be6ce5c2f3/info/metadata.xml?format=default&output=html
	Karst Sinkhole Areas	KARST_MM65_IN was derived from a coverage named SHA_SSB. The purpose of SHA_SSB was to compile unpublished work maps of Richard L. Powell, a former employee of the Indiana Geological Survey (IGS), showing certain karst-associated features of southern Indiana and to bring those maps to publication by the IGS.	Indiana Geological Survey	2022	Y	https://www.arcgis.com/home/item.html?id=4d4d6419969bee4d568872d5dd0e4029b0	https://www.arcgis.com/sharing/rest/content/items/4d4d6419969bee4d568872d5dd0e4029b0/info/metadata.xml?format=default&output=html
	Karst Springs	KARST_SPRINGS_MM65_IN was derived from a coverage named SPG. The purpose of SPG was to compile a map layer showing springs in southern Indiana, in and around the karst area, using unpublished work maps of Richard L. Powell, a former employee of the Indiana Geological Survey (IGS), and unpublished data from a spreadsheet provided by Samuel S. Frushour (IGS), and to bring that map layer to publication by the IGS.	IGS	2022	Y	https://portal.igs.indiana.edu/arcgis/rest/services/KarstSprings/FeatureServer	
	Karst Sinkhole Inventory IN KY 2011	Karst Sinkhole Inventory (2011) - Shows karst sinkhole inventory for southern Indiana and northern Kentucky. It was created by the Indiana Geological Survey to support a statistical regression analysis of potential sinkhole development areas in and around the Hoosier National Forest, United States Forest Service. This data layer was used as the basis for a related layer of sinkhole density, as well as a sinkhole-development risk layer.	IGS	2011	Y	https://maps.indiana.edu/previewMaps/Hydrology/KarstSinkholeInventory_2011.html	https://maps.indiana.edu/metadata/Hydrology/KarstSinkholeInventory_2011.html

	Surficial Sand Thickness Points	SAND_ILITH_PTS_IN was derived from a coverage named "SNDTHKPTS." Because sand and gravel layers can constitute aquifers, such layers are of hydrologic significance. Water wells are usually drilled to the uppermost major water-bearing unit and are not typically drilled through the entire thickness of surficial unconsolidated materials. Nevertheless, logs of water wells provide a source of data regarding the vertical distribution of water-bearing units. This map layer was created to provide an overview of the distribution of sand and gravel in the state of Indiana.	Indiana Geological Survey	2022	Y	https://portal.igs.indiana.edu/arcgis/rest/services/Surficial_Sand_Thickness_Points/FeatureServer	
	Glacial Quaternary Geology	SURFICIAL_GEOL_MM49_IN was derived from a coverage named "SURF_GEO500." SURF_GEO500 was created to provide a digital coverage of the surficial geology of the state of Indiana, suitable for use in a GIS, from a preexisting paper map (Gray, H.H., 1989, Quaternary Geologic Map of Indiana, Indiana Geological Survey Miscellaneous Map 49).	IGS	2022	Y	https://portal.igs.indiana.edu/arcgis/rest/services/Glacial_Quaternary_Geology/FeatureServer	
	Seismic Earthquake Liquefaction Potential	EARTHQUAKE_LIQUEFACTION_POTENTIAL_M81_IN was created to provide a digital coverage of the predicted response of surficial geologic materials in Indiana to liquefaction induced by earthquakes. It is intended to be used by Indiana Department of Homeland Security, emergency planners, and responders on the state and local level as a general reference guide to identify potential areas of evaluated risks of liquefaction.	IGS	2022	Y	https://portal.igs.indiana.edu/arcgis/rest/services/Seismic_Earthquake_Liquefaction_Potential/FeatureServer	
CAFOs and Pollution	Confined Feeding Operations	Confined Feeding Operation Facilities shows swine, chicken, turkey, beef or dairy agribusinesses that have large enough numbers of animals that IDEM regulates for environmental concerns, as defined by IC 13-18-10 of the Indiana Code. Provided by personnel of the Indiana Department of Environmental Management, Office of Land Quality.	IDEM Indiana Department of Environmental Management, Office of Land Quality	2022	Y	https://www.indianamap.org/datasets/IN_Map:confined-feeding-operations/about	
	Brownfields	A brownfield site is a parcel of real estate that is abandoned or inactive, or may not be operated at its appropriate use, and on which expansion, redevelopment, or reuse is complicated because of the presence or potential presence of a hazardous substance, a contaminant, petroleum, or a petroleum product that poses a risk to human health and the environment.	IDEM	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=f05b228e6d674140ac9c5668632ac46	
	Superfund Sites	Shows GPS-located Superfund Program facilities. The layer generally shows the locations of access points to managed sites. Attributes include facility identifications, federal identification numbers, and addresses. Office of Land Quality's Superfund program works with the U.S. Environmental Protection Agency (U.S. EPA) to clean up sites contaminated with hazardous waste that may require complex investigations, significant cleanup actions, and long-term attention. The EPA Site Information attribute links to EPA's public information web pages for each Superfund site.	IDEM	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/Superfund_Sites/FeatureServer	
	Leaking Underground storage tanks	Leaking Underground Storage Tanks (LUSTs) and their associated piping can release chemical vapors into buildings or contaminate soil, surface water, and groundwater.	IDEM	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/LUST/FeatureServer	
	Spills	Incidents involving spills to soil or waters in Indiana reported to IDEM's Office of Land Quality's (OLQ) Emergency Response program.	IDEM	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/Spills/FeatureServer	
	State Cleanup Sites	Access point locations for State Cleanup Program sites within Indiana, and is provided by personnel of Indiana Department of Environmental Management, Office of Land Quality (IDEM, OLQ). Attributes include site names, regulatory identification numbers (IDEM), and address information.	IDEM	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/State_Cleanup_Sites/FeatureServer	
	Land Application	IDEM encourages the beneficial reuse of biosolids, industrial waste products, and pollutant-bearing water by land application in a manner that protects human health and the environment. Land application involves spraying or spreading these materials onto the land surface or injecting or incorporating them into the soil. Reuse of these waste products as a soil amendment and/or fertilizer provides many benefits to Indiana's agricultural community and citizens.	IDEM	2022	Y	https://gisdata.in.gov/server/rest/services/Hosted/Land_App/FeatureServer	
	Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators of environmental justice. The Demographic Index in EJS includes: -Individuals under age 5: Percent of people in a block -Individuals over age 64: Percent of people in a block -Low Income: The percent of a block group's population -Limited English Speaking: Percent of people in a block -People of Color: The percent of individuals in a block -Unemployment Rate: The percent of a block group's population -Less Than High School Education: Percent of people	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer
EJ Screen Demographic Indexes 2022		There are twelve Environmental Justice Indexes with: -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (EPA	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer	

	Justice 40 Tracts	<p>This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps.</p> <p>Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data</p>	Council on Environmental Quality	2022 Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cb9ae28b344d2957d	
Census of Agriculture	NASS 2017 County Inventory	<p>The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.</p>	USDA	2017 Y	https://services1.arcgis.com/URZ3KwaTDnUkKjGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0	

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other
Water	Private Well Facilities	Point locations of wells entered into the DNR Private Well Tracking System, includes private well permits, well test registration, and abandoned well registration.	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-private-well-facilities/about		
	Flood Gradient of the Modeled, 2, 5, 10, 25, 50, 100, 500 year floodplain	Data can be downloaded as ZIP file. The polygons are used to represent flood plain areas for various intensities of flooding.	IA-DNR	2021	Didn't download link as it was 30Gb, but other similar smaller files have been working	https://geodata.iowa.gov/documents/iowadnr-flood-gradient-of-the-modeled-2-5-10-25-50-100-and-500-year-floodplain-boundaries-download/about	https://www.arcgis.com/sharing/rest/content/items/400e87fad374be38358c40e2bf3d8/info/metadata/metadata.xml?format=default&output=html	
	Flood plain permits	Structures, projects, or wites which were issued a floodplain development permit by the IA-DNR	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-flood-plain-permits/about		
	Water Use Surface Water Intakes	Surface water intakes under Water Use permits. A water use permit is required of any person or entity that withdraws or diverts at least 25,000 gallons of water in a 24 hour period during a calendar year.	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-water-use-surface-water-intakes/about		
	Public Water Supply Surface Water Intakes	Surface water intakes at facilities with operating permits for Public Water Supplies (systems that serve 25 or more people) for drinking water. This data is from the IA DNR Safe Drinking Water Information System	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-public-water-supply-surface-water-intakes/about		
	Water Use Wells	Wells under Water Use permits. A water use permit is required for any person or entity that withdraws or diverts at least 25,000 gallons of water in a 24 hour period during any calendar year.	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-water-use-wells/about		
	NWI polygons	Surface waters/wetlands. NWI digital data files are records of wetlands locations and classification as developed by US Fish and Wildlife Service.	IA-DNR	2020	Y	https://geodata.iowa.gov/datasets/iowadnr-nwi-polygons/about		
	303d Impaired water of Iowa 2022	This dataset contains lines representing streams and rivers listed as impaired 303d. Lakes and waterbodies are represented by point to show the impaired lakes.	IA-DNR	2022	Y, downloaded	https://www.arcgis.com/home/item.html?id=41cb1e4f273141a9c8bdfdaa190e897db		
	Stream Centerlines	Stream centerlines was derived from LIDAR and	IA-DNR	2022	Y	https://programs.iowadnr.gov/geospatial/rest/services/SurfaceWaters/Stream_Centerlines/MapServer		
	Land	Sinkholes in Iowa and Karst	This dataset is all of the sinkholes and depressions that originated from the SSURGO spot data and has been updated using LIDAR and historic Photography to capture all known and historic sinkholes. Over 40,000 records	IA-DNR	2022	Y	https://geodata.iowa.gov/documents/iowadnr-potential-karst-and-sinkholes-in-iowa-as-a-download/about	https://www.arcgis.com/sharing/rest/content/items/a189b430599145b298764512a50e42a5/info/metadata/metadata.xml?format=default&output=html
Public Lands		This dataset represents conservation and recreation lands in the state of Iowa. Boundaries of areas represent differences in ownership and managing agency of the area. The sources of this data is derived from many different sources, mainly from the agency responsible for the area. Some of these conservation areas are under private ownership and public access is not allowed. Signs and private property should be respected. Full Metadata: ftp://ftp.igsb.uiowa.edu/gis_library/admin_political_boundary/public_land/cons_rec_land_public.zip	IA-DNR	2022	Y	https://programs.iowadnr.gov/geospatial/rest/services/Boundaries/Public_Lands/MapServer/0		
CAFO	Animal Feeding Operations	Data includes medium and large animal feeding operation sites as defined by the EPA. Point data shows the types of animals and quantity of animals.	IA-DNR	2022	Y, Downloaded	https://www.arcgis.com/home/item.html?id=abfb972640d4e87b6c48dc669775767		
	Open Feedlot feeding Operations	Locations, animal units, and other information associated with active open feedlot operations in medium and large AFOs.	IA-DNR	2022	Y, Downloaded	https://www.arcgis.com/home/item.html?id=ce038d9922b4e1a9019360b4cbd13ab		
	Confinement Feeding Operations	Locations, animal units and other information associated with active confinement operations in AFO facilities.	IA-DNR	2022	Y, Downloaded	https://www.arcgis.com/home/item.html?id=612a7ea0bd0145d8b293727a063ec9b1		
	Estimated Manure Application from CAFO in 2006	This layer shows locations of manure applications at a rate of 160 lbs of Nitrogen per Acre from Animal Feeding Operations in IA in 2006	IA-DNR	2006	Y, Downloaded	https://www.arcgis.com/home/item.html?id=9b7473929c74907a5e44a882a389f83		
	Commercial Manure Applicators	This layer represents the office location for Commercial Manure Services. They transport hand store or apply manure for a fee. Company must be licensed annually. This layer does NOT include confinement site manure applicators who apply their own manure from their CAFOs.	IA-DNR	2022	Y, Downloaded	https://geodata.iowa.gov/datasets/iowadnr-commercial-manure-applicators/about		
	Solid Waste Land Application	All types of facilities that handle solid waste including: sanitary landfills, appliance demanufacturing facilities, transfer stations, land application sites, incinerators, composting facilities, household hazardous materials sites.	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-solid-waste-land-application/about		
	Contaminated Sites Facilities	Sites contaminated by hazardous materials or wastes. These sites are those administered by the Contaminated Sites Section of Iowa, sites may or may not have been remediated.	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-contaminated-sites-facilities/about		
	Wastewater NPDES facilities	Location and information for facilities that have been issued NPDES permits by the EPA.	IA-DNR	2018	Y	https://geodata.iowa.gov/datasets/iowadnr-wastewater-mpdes-facilities/about		
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very ge -Demographic Index: The Demographic Index in E -Individuals under age 5: Percent of people in a bl -Individuals over age 64: Percent of people in a bl -Low Income: The percent of a block group's popu -Limited English Speaking: Percent of people in a -People of Color: The percent of individuals in a bl -Unemployment Rate: The percent of a block grou -Less Than High School Education: Percent of pei EPA		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer		

	EJ Screen Demographic Indexes 2022	<p>There are twelve Environmental Justice Indexes v</p> <ul style="list-style-type: none"> -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge <p>The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator)</p>	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/EJScreen_Indexes_2022_Public/MapServer	
	Justice 40 Tracts	<p>This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps.</p> <p>Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data</p>	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348c8ba9ae28b344d2957d	
Census of Agriculture	NASS 2017 County Inventory	<p>The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.</p>	USDA	2017	Y	https://services1.arcgis.com/URZ3KwaTDnbUKjC7Iarqgis/rest/services/NASS_2017_COUNTY/FeatureServer/0	

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other
Water	Inland Lakes (303d) Assessment Units - 2020	A subset of Michigan's hydrologic features described in the 2020 Integrated Report, a biennial publication on the quality of Michigan's water resources. 303d inland lakes.	MI-Department of the Environment, Great Lakes, and Energy	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::inland-lakes-303d-assessment-units-2020/about	https://www.michigan.gov/egle/about/organization/Water-Resources/assessment-t-michigan-waters-integrated-report	
	Stream Rivers (303d) Assessment Units - 2020	A subset of Michigan's hydrologic features described in the 2020 Integrated Report, a biennial publication on the quality of Michigan's water resources. 303d streams and rivers	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::stream-rivers-303d-assessment-units-2020/about	https://www.michigan.gov/egle/about/organization/Water-Resources/assessment-t-michigan-waters-integrated-report	
	Great Lakes (303d) Assessment Units - 2020	A subset of Michigan's hydrologic features described in the 2020 Integrated Report, a biennial publication on the quality of Michigan's water resources. 303d great lakes	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::great-lakes-303d-assessment-units-2020/about	https://www.michigan.gov/egle/about/organization/Water-Resources/assessment-t-michigan-waters-integrated-report	
	Point Location (303d) Assessment Units - 2020	A subset of Michigan's hydrologic features described in the 2020 Integrated Report, a biennial publication on the quality of Michigan's water resources. 303d point location	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::point-location-303d-assessment-units-2020/about	https://www.michigan.gov/egle/about/organization/Water-Resources/assessment-t-michigan-waters-integrated-report	
	AUID Streams 2022	This includes Assessment Unit Identification (AUID), a subset of Michigan's hydrologic features described in the 2022 Integrated Report. The 2022 Integrated Report is a biennial publication on the quality of Michigan's water resources.	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::auid-streams-2022/about	https://www.michigan.gov/egle/about/organization/Water-Resources/assessment-t-michigan-waters-integrated-report	
	AUID Lakes 2022	This includes Assessment Unit Identification (AUID), a subset of Michigan's hydrologic features described in the 2022 Integrated Report. The 2022 Integrated Report is a biennial publication on the quality of Michigan's water resources.	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::auid-lakes-2022/about	https://www.michigan.gov/egle/about/organization/Water-Resources/assessment-t-michigan-waters-integrated-report	
	Wells	The data in these six files is derived from Wellogis, the EGLE statewide ground water database. The six files combined contain information on over 575,000 spatially verified water well records. The six files are intended to provide water well information for wells in counties clustered by geographic region: Upper Peninsula, Northern Lower Peninsula, East Central Lower Peninsula, West Central Lower Peninsula, Southwest Lower Peninsula and the South Central – Southeastern Lower Peninsula. The files are constructed to be easily merged, containing the same number and type of attribute fields.	(MI-DEGLE)	2022	Y	https://gisagocss.state.mi.us/arcgis/rest/services/OpenData/public_health/MapServer/4	https://sraproject.maps.arcgis.com/home/item.html?id=5863868720b40eab4c0730e6e4998f	
	Wellhead Protection Areas	Wellhead protection areas represent the land surface area that contributes ground water to wells serving public water supply systems throughout Michigan. The areas define a landscape in which management strategies are employed to protect public water supply wells from ground water contamination.	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::wellhead-protection-areas/about		
	National Wetland Inventory (NWI) 2005	This inventory of wetlands from 2005 was produced by Great Lakes/Atlantic Region Office (GLARO) of Ducks Unlimited with funding provided by EGLE. This subset focuses just on Michigan.	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::national-wetland-inventory-nwi-2005/about		
	Watershed Boundary - 8 Digit	Watershed boundaries for the state of Michigan. The Hydrologic Unit Code (HUC) for this dataset is HUC 8, which means these boundaries are at the sub-basin level, such as medium-sized river basins.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle::watershed-boundary-8-digit/about		
Watershed Boundary - 12 Digit	Watershed boundaries for the state of Michigan. The Hydrologic Unit Code (HUC) for this dataset is HUC 12, which means these boundaries are at a local sub-watershed level, such as tributary systems.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle::watershed-boundary-12-digit/about			
Sediment and Biota Total Maximum Daily Loads (TMDLs) Watersheds	Michigan's watersheds for U.S. Environmental Protection Agency (USEPA) approved Sediment and Biota Total Maximum Daily Loads (TMDLs). The watersheds indicate approximate areas used for determination of the waste load (point sources) and load allocation (nonpoint sources) of each TMDL.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle::sediment-and-biota-total-maximum-daily-loads-tmdls-watersheds/about			
Phosphorus Total Maximum Daily Loads (TMDLs) Watersheds	Michigan's watersheds for U.S. Environmental Protection Agency (USEPA) approved Phosphorus Total Maximum Daily Loads (TMDLs). The watersheds indicate approximate areas used for determination of the waste load (point sources) and load allocation (nonpoint sources) of each TMDL.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle::phosphorus-total-maximum-daily-loads-tmdls-watersheds/about			
Land	Conservation Easements	All data was constructed from legal meets and bounds on file at Environment, Great Lakes, and Energy (EGLE). Our hope is that this data set will be used by others to protect, conserve, and construct wetlands around the state. This EGLE digitized field map of the conservation easements (easement) is intended to be used as a visual aid to assist in identifying in general the size, shape, and location of the easement boundaries. The locations are based upon land surveys that have been converted to a geographic information system. Some of the easement shapefiles had to be manipulated to reference known landmarks (roads, rivers) as depicted on aerial photos to best reflect the areas the easements were intended to cover. Therefore, since accuracy of the data may vary, all polygons should be used to approximate the easement boundary lines and should not be used to determine jurisdictional boundaries.	(MI-DEGLE)	2022	Y	https://gisagoogle.state.mi.us/arcgis/rest/services/EGLE/WidOpenData/MapServer/1		
	Potential Wetland Restoration Areas	Potential Wetland Restoration areas data is utilized to locate areas of potentially lost wetland that would be suitable for restoration. The areas of 'Potential Wetland Restoration' are ranked: high potential, moderate potential, or low potential. This service highlights areas in the State of Michigan that are likely to have conditions suitable for wetland restoration efforts. These areas were identified on one of two spatial datasets used by the EGLE-Wetlands, Lakes and Streams Unit (WLSU) to pinpoint areas that were historically wetland. Hydric soils, as identified by U.S. Department of Agriculture -Natural Resources Conservation Service (USDA-NRCS) with assistance from EGLE-WLSU, exported from their SSURGO (Soil Survey Geographic Database).	(MI-DEGLE)	2022	Y	https://gis-michigan.opendata.arcgis.com/datasets/egle::potential-wetland-restoration-areas/about		

Pollution	Michigan Concentrated Animal Feeding Operations (CAFOs)	Regulated Concentrated Animal Feeding Operations (CAFOs) in Michigan. These are large-scale industrial facilities for raising animals and are subject to regulation by EGLE based on the number of animals it stables or confines.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle:michigan-concentrated-animal-feeding-operations-cafos/about	
	Part 201 Environmental Contamination Sites	Locations of facilities where environmental contamination has occurred as identified through state-funded or private party response activities, and as such are regulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle:part-201-environmental-contamination-sites/about	
	Underground Storage Tanks	Locations of underground storage tanks that are either licensed by the Michigan Department of Licensing and Regulatory Affairs (LARA) and/or are leaking underground storage tanks that are regulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle:underground-storage-tanks/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/731333dca06b48ce9bcf57d6be7b653f/info/metadata/metadata.xml?format=default&output=html
	Brownfields	The brownfield redevelopment data set contains information related to brownfield redevelopment incentives provided by the Michigan Department of Environment, Great Lakes and Energy (EGLE) to assist in the redevelopment of contaminated properties.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle:brownfields/about	
	Reported Wastewater Data (Stormwater, Asset Management, and Wastewater Program)	Wastewater data collected from the Stormwater, Asset Management, and Wastewater (SAW) grant program. This data is visualized in the Wastewater Data Dashboard. The Stormwater, Asset Management, and Wastewater (SAW) Program was established in 2013 to help municipalities develop, update, and improve asset management plans for their wastewater and stormwater systems.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle:reported-wastewater-data-stormwater-asset-management-and-wastewater-program/about	
Air Monitoring Sites		The data contained in this layer file are representative of the current EGLE statewide air monitoring database.					
		The data contained in this layer file are representative of the current EGLE statewide air monitoring database. This monitoring network meets the United States Environmental Protection Agency's (USEPA) monitoring regulations. The layer contains location, site photographs, and defines the specific pollutants monitored for at that site. Overall the air monitoring network collects data for the six criteria pollutants outlined through the USEPA's National Ambient Air Quality Standards (i.e., carbon monoxide, lead, nitrogen dioxide, ozone, particulate pollution, and sulfur dioxide) along with several other pollutants, as relevant to each area.	(MI-DEGLE)	2022	Y	https://gis-egle.hub.arcgis.com/datasets/egle:air-monitoring-sites-2/about	
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators -Demographic Index: The Demographic Index in EJSCREEN is composed of: -Individuals under age 5: Percent of people in a block group under 5 -Individuals over age 64: Percent of people in a block group over 64 -Low Income: The percent of a block group's population in household with income less than \$15,000 -Limited English Speaking: Percent of people in a block group living in a household with limited English speaking -People of Color: The percent of individuals in a block group who are people of color -Unemployment Rate: The percent of a block group's population that is unemployed -Less Than High School Education: Percent of people age 25 or older with less than a high school education EPA		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer	https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B086A9D3F-9AC9-4A5A-BABB-7B89488BA4C3%7D
	EJ Screen Demographic Indexes 2022	There are twelve Environmental Justice Indexes with each corresponding to a different environmental concern: -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ Index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Index)	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_Public/MapServer	https://edg.epa.gov/metadata/catalog/search/resource/details.page?uuid=%7B086A9D3F-9AC9-4A5A-BABB-7B89488BA4C3%7D
	Justice 40 Tracts	This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps. Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data	Council on Environmental Quality		2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cba9ae28b344d2957d
Census of Agriculture	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/URZ3KwaTDnBUKGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0	

	Dairy Cattle CAFO 2020	Dairy cattle CAFOs that are medium (at least 200 cattle) or large (at least 700 cattle). A CAFO (Concentrated Animal Feeding Operation) is a facility that raises animals for at least 45 days of the year with dry manure handling in a confined area with no vegetation, and discharges or proposes to discharge animal waste to surface waters. There are no dairy cattle MAFOs (Maryland Animal Feeding Operation) in Maryland.	MDE	2020	Y	https://data-cf.hub.arcgis.com/datasets/6b71c01f56d8e4d6ba3a3e3cb23715aa29_466/about				
	Cattle CAFO 2020	Cattle and heifer CAFOs that are medium (at least 300 cattle) or large (at least 1000 cattle). A CAFO (Concentrated Animal Feeding Operation) is a facility that raises animals for at least 45 days of the year with dry manure handling in a confined area with no vegetation, and discharges or proposes to discharge animal waste to surface waters. There are no cattle MAFOs (Maryland Animal Feeding Operation) in Maryland.	MDE	2020	Y	https://data-cf.hub.arcgis.com/datasets/6c0d59c40c12483ba3a3e3cb23715aa29_467/about				
	Hog CAFO 2020	Hog CAFOs that are medium (at least 3,000 hogs less than 55 pounds) or large (at least 10,000 hogs less than 55 pounds). A CAFO (Concentrated Animal Feeding Operation) is a facility that raises animals for at least 45 days of the year with dry manure handling in a confined area with no vegetation, and discharges or proposes to discharge animal waste to surface waters. There are no hog MAFOs (Maryland Animal Feeding Operation) in Maryland.	MDE	2020	Y	https://data-cf.hub.arcgis.com/datasets/0f41e89a9b29463ac39e77a211e80d5_468/about				
	Duck CAFO 2020	Duck MAFOs that are medium (at least 1,500 ducks) or large (at least 5,000 ducks). A MAFO (Maryland Animal Feeding Operation) is a facility that raises animals for at least 45 days of the year with dry manure handling in a confined area with no vegetation, and which is not classified as a CAFO (Concentrated Animal Feeding Operation) but is likely to discharge waste into surface waters. There are no duck CAFOs in Maryland.	MDE	2020	Y	https://data-cf.hub.arcgis.com/datasets/9bb4b091b264033a04d9740537b72d_469/about				
	Turkey CAFO 2020	Turkey CAFOs that are medium (at least 16,500 turkeys) or large (at least 55,000 turkeys). A CAFO (Concentrated Animal Feeding Operation) is a facility that raises animals for at least 45 days of the year with dry manure handling in a confined area with no vegetation, and discharges or proposes to discharge animal waste to surface waters. There are no Turkey MAFOs (Maryland Animal Feeding Operation) in Maryland.	MDE	2020	Y	https://data-cf.hub.arcgis.com/datasets/83c72d4f9e636f65e8d5729d4403_470/about				
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators of a community. Demographic Index: The Demographic Index in EJSCREEN is created using individuals under age 5; Percent of people in a block group under the age 64; Percent of people in a block group over the age 65; Low Income: The percent of a block group's population in households with limited English speaking; Percent of people in a block group living in linguistically isolated households; Percent of individuals in a block group who list their race as Hispanic or Latino; Percent of individuals in a block group who list their race as American Indian or Alaska Native; Percent of individuals in a block group who list their race as Native Hawaiian or Other Pacific Islander; Percent of individuals in a block group who list their race as Two or more races; Percent of individuals in a block group who list their race as White; Unemployment Rate: The percent of a block group's population that did not work in the previous 12 months; Less Than High School Education: Percent of people age 25 or older in a block group with less than a high school diploma or GED.	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer				
	EJ Screen Demographic Indexes 2022	There are twelve Environmental Justice Indexes with each corresponding to a different environmental concern: -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Index)	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indices_2022_Public/MapServer				
	Justice 40 Tracts	This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps. Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data.	Council on Environmental Quality	2022	Y	https://eraproject.maps.arcgis.com/home/item.html?id=920e8d269a0348cba9a28b344d29574				
Census of Agriculture	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (NASS), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/UR23Kwa1DnbUjKGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0				

	Layer Name	Description	Agency	Year	Active(Y/N)	URL	Metadata link
Water	MO listed 303d Lakes	303d Listed impaired lakes in Missouri from 2020 survey	MO-DNR	2020	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-section-303d-listed-impaired-lakes/about	https://ewu-eagles.maps.arcgis.com/sharing/rest/content/items/9609c0bde3e342a1a3f0eed7a59706f2/info/metadata/metadata.xml?format=default&output=html
	MO listed 303d Rivers and Streams	303d listed impaired rivers and streams in Missouri from 2020 survey	MO-DNR	2020	Y, downloaded	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-section-303d-listed-impaired-rivers-and-streams/about	https://ewu-eagles.maps.arcgis.com/sharing/rest/content/items/95e5c090e8c648c8899a691d71244088/info/metadata/metadata.xml?format=default&output=html
	305b Impaired Lakes	This dataset was prepared by the Missouri Department of Natural Resources. As one of the provisions of the Federal Clean Water Act, states must report on the water quality status of waters in their state. Missouri DNR maintains a database that contains this information for Missouri waters. This database contains records for each of the 4,000+ classified streams and lakes in the state and also contains records for unclassified waters that have water pollution problems. Each record in the database gives the water body name, size (stream miles or lake surface acres), location, and beneficial uses assigned to that water body by Missouri's Water Quality Standards, 10 CSR 20-7.031. Each record indicates the water quality status (category 1-5), and if the water body is judged to have impaired water quality (categories 4-5), the record will also note the pollutant (s) and source(s) causing the problem (if known). When known, the database will also show the water quality history of each water, and for impaired waters, provide information on actions taken or planned to eliminate the pollution problem and their schedules. This feature class contains those records for water bodies that have been identified as impaired (categories 4 and 5).	MO-DNR	2020	Y	https://services2.arcgis.com/NS2npR4dNvAQOZY/arcgis/rest/services/MO_Section_305b_Impaired_Lakes/FeatureServer/0	
	305b Impaired Rivers and Streams	This dataset was prepared by the Missouri Department of Natural Resources. As one of the provisions of the Federal Clean Water Act, states must report on the water quality status of waters in their state. Missouri DNR maintains a database that contains this information for Missouri waters. This database contains records for each of the 4,000+ classified streams and lakes in the state and also contains records for unclassified waters that have water pollution problems. Each record in the database gives the water body name, size (stream miles or lake surface acres), location, and beneficial uses assigned to that water body by Missouri's Water Quality Standards, 10 CSR 20-7.031. Each record indicates the water quality status (category 1-5), and if the water body is judged to have impaired water quality (categories 4-5), the record will also note the pollutant (s) and source(s) causing the problem (if known). When known, the database will also show the water quality history of each water, and for impaired waters, provide information on actions taken or planned to eliminate the pollution problem and their schedules. This feature class contains those records for water bodies that have been identified as impaired (categories 4 and 5).	MO-DNR	2020	Y	https://sraproject.maps.arcgis.com/home/item.html?id=bce2c4d4d5bb418d9b2a1e73a837f8&sublayer=0	
	MO wells	Location of wells that are certified by the state of Missouri. Information about well location, well owner, compliance date. around 300,000 entries	MO-DNR	2022	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-wells/about	https://ewu-eagles.maps.arcgis.com/sharing/rest/content/items/1638e9f2734e4ca5f6c0ea7b80574/info/metadata/metadata.xml?format=default&output=html
	MO 2019 Numeric Nutrient Criteria Watersheds	This data set is part of the Mo Use Designation Dataset Used by the Missouri Department of Natural Resources in the implementation of the WQS. The primary purpose of this data set is to delineate watersheds of lakes where numeric nutrient criteria must be met based on ecological land types.	MO-DNR	2019	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-2019-lake-numeric-nutrient-criteria-watersheds/about	https://www.arcgis.com/sharing/rest/content/items/b21fd42409204b90873c5979d3925dbb/info/metadata/metadata.xml?format=default&output=html
	MO 2020 WQS Lake Classification and Use	As defined in MO's Water Quality Standards this data set documents the names and locations of the states rivers, stream lakes and reservoirs which have assigned designated uses.	MO-DNR	2020	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-2020-wqs-lake-classification-and-use/about	https://www.arcgis.com/sharing/rest/content/items/0a5fcc2ad38d42eb0ca8a9c32fcb0ba/info/metadata/metadata.xml?format=default&output=html
	MO Public Drinking Water Districts	Layer was originally developed for use in the MO-DNR funded Vulnerability Assessment of Mo public drinking water to Chemical Contamination Project. It is used to help determine which public water supplies are threatened by any chemical being tested under the Safe Drinking Water Act.	MO-DNR	2022	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-public-drinking-water-districts/about	https://www.arcgis.com/sharing/rest/content/items/c004e1c0fac49c5a89332a1f3ab2b5/info/metadata/metadata.xml?format=default&output=html
	MO 2018 Losing and Gaining Stream Segments	Stream Classification is intended to depict sections of streams which are either losing water flow to the subsurface or gaining water flow from the surface. Stream classification is required for certain site evaluations under MO Code of State Regulation.	MO-DNR	2019	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-2018-losing-and-gaining-stream-segments/about	https://www.arcgis.com/sharing/rest/content/items/e387f151f40548809ef93b3966df469/info/metadata/metadata.xml?format=default&output=html
	MO 2019 HUC 8 Watersheds, Pop Growth and MHI	This dataset supports the analysis of the socioeconomic impacts of implementing water quality standards in Missouri per Section 644.058 of the Revised Statutes of Missouri	MO-DNR	2019	Y	https://data-msdcis.opendata.arcgis.com/datasets/MSDI_S-mo-2019-huc-8-watersheds-pop-growth-and-mhi/about	https://www.arcgis.com/sharing/rest/content/items/bb3fe75750b14862be7bd56c5c0b399/info/metadata/metadata.xml?format=default&output=html
MO 2019 Dams	One of the missions of the Dam and Reservoir Safety Program is to ensure that dams in the state are constructed, maintained and operated in a safe manner. This is accomplished by regulation of all non-agricultural, non-federal dams 35 feet or more in height and by providing technical assistance and informational resources to all dam owners	MO-DNR	2019	Y			

Land	MO-DNR wild areas	This map represents wild areas that are managed by the DNR and state parks.	MO-DNR	2020	Y	https://data-msdjs.opendata.arcgis.com/datasets/MSDJS_mo-2020-wild-areas/about
	MO 2019 Cave Density	The purpose of the dataset is to provide an indication of where the potentially sensitive karst environments in Missouri are located.	MO-DNR	2019	Y	https://data-msdjs.opendata.arcgis.com/datasets/MSDJS_mo-2019-cave-density-24-000-quad/about
	MO 2018 Sink Areas	This dataset was developed to locate known and probable sink areas within the state of Missouri.	MO-DNR	2018	Y Downloaded	https://data-msdjs.opendata.arcgis.com/datasets/MSDJS_mo-2018-sink-areas/about
	MO 2018 Sinkholes	This dataset has the location of known and probable sinkholes within the state of Missouri.	MO-DNR	2018	Y Downloaded	
CAFOs and Pollution	NPDES- Animal Feeding Operations	This animal feeding operation layer has locations based on the NPDES registry. Layer is stored as a CSV file that can be downloaded, 842 entries.	MO-DNR	2021	Y	https://gis.dnr.mo.gov/arcgis/rest/services/waste/npdes_layers/MapServer_
	MO 2019 Environmental Incident Response	Under the Missouri Spill Bill, responsible parties/spillers are required to report releases of hazardous substances to the departments Environmental Emergency Response.	MO-Environmental and Emergency Response	2020	Y	https://data-msdjs.opendata.arcgis.com/datasets/MSDJS_mo-2019-environmental-incident-response/about
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators of a -Demographic Index: The Demographic Index in EJSCREEN is create -Individuals under age 5: Percent of people in a block group under the -Individuals over age 64: Percent of people in a block group over the a -Low Income: The percent of a block group's population in households -Limited English Speaking: Percent of people in a block group living in -People of Color: The percent of individuals in a block group who list th -Unemployment Rate: The percent of a block group's population that d -Less Than High School Education: Percent of people age 25 or older EPA	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer
	EJ Screen Demographic Indexes 2022	There are twelve Environmental Justice Indexes with each correspond -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Ind EPA	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_Public/MapServer
	Justice 40 Tracts	This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps. Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=950e8d269a0348c8a3ae28b344d2957d
Census of Agriculture	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/JRZ3KwaTDnBkJG1/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0

Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	
Water	Registered Wells DNR	This data set contains registered wells in the state of Nebraska.	NE-DNR	2020	Y	https://www.nebraskamap.gov/datasets/nebraska-registered-wells-dnr/about	
	Wellhead protection areas	Nebraska's Wellhead Protection (WHP) Program is a voluntary program which assists communities and other public water suppliers in preventing contamination of their water supplies.	NE-DNR	2021	Y	https://www.arcgis.com/home/item.html?id=21e296a4b5454d489c824ee23363547e	
	Surface Water Diversion Points	This data set shows the points of surface water acquisition also considered water rights in NE.	NE-DNR	2022		https://www.nebraskamap.gov/datasets/nebraska-points-of-diversion/about	https://www.arcgis.com/sharing/rest/content/items/db2a86b8a96d41febfd24bd39250385e/info/metadata/metadata.xml?format=default&output=html
	Title 117 Streams	Data set in accordance to NE state law Title 117, Surface quality water standards	NE-Departement of energy and environment	2019		https://www.nebraskamap.gov/datasets/nebraska-streams-title-117/about	
	Title 117 Lakes	Data set in accordance to NE state law Title 117, Surface quality water standards	NE-Departement of energy and environment	2019		https://www.nebraskamap.gov/datasets/nebraska-lakes-title-117/about	
	303d Lakes	Impaired water ways, 303d lakes, as reported by the Clean Water Act.	NE-DNR	2019		https://www.nebraskamap.gov/datasets/nebraska-lakes-303d/about	
	303d Streams	Impaired waters program with the clean water act. Shows 303d listed streams and rivers.	NE-DNR	2019		https://www.nebraskamap.gov/datasets/nebraska-streams-303d/about	
	Waterbodies	NE-DNR is created this shapefile to show all of the water bodies in NE that are 10 acres and larger.	NE-DNR	2020		https://www.nebraskamap.gov/datasets/nebraska-waterbodies/about	https://www.arcgis.com/sharing/rest/content/items/db03cd43fece4933b8b59727243a6aa9/info/metadata/metadata.xml?format=default&output=html
	Major Lakes	This shapefile is a subset of the NHD for NeDNR program purposes. Contains water bodies 10 acres or larger	NE-DNR	2020		https://www.nebraskamap.gov/datasets/nebraska-major-lakes/about	https://www.arcgis.com/sharing/rest/content/items/72138447f4247b696dfab6234d33ca4/info/metadata/metadata.xml?format=default&output=html
	Major Streams	This is a modified version of NHD for NeDNR purposes. The purpose of this layer is to be used in state planning purposes.	NE-DNR	2020		https://www.nebraskamap.gov/datasets/nebraska-major-streams/about	https://www.arcgis.com/sharing/rest/content/items/b6c799c1ae4b44789b8303b07bb9ecb/info/metadata/metadata.xml?format=default&output=html
	Stream Gages	Ne-DNR monitors the water flowing in Nebraskas streams rivers and canals and has established a Stream gaging program.	NE-DNR	2021		https://www.nebraskamap.gov/datasets/nebraska-stream-gages/about	https://www.arcgis.com/sharing/rest/content/items/d1afb5d4b344e988abe905fbcc807/info/metadata/metadata.xml?format=default&output=html
	Dams	Location of over 3000 dams, the inventory includes dames that are over 25 feet high	NE-DNR	2020		https://www.nebraskamap.gov/datasets/nebraska-dams/about	https://www.arcgis.com/sharing/rest/content/items/06028e0343764fc9370dc5a4bf53dc7/info/metadata/metadata.xml?format=default&output=html
Land	Threatened and Endangered Species Ranges	This data is showing the current ranges in Nebraska for the species listed as threatened or endangered in the state. This version supersedes all previously dated versions. Updates are made to the shapefile as new information becomes available, and periodically updated maps are posted to the Nebraska Game and Parks Commission website. A range map is a generalized representation of the distribution of a species. A species might occur anywhere within a mapped range in which there is suitable habitat. These maps show current ranges rather than historical ranges. Thus an area in which a given species formerly occurred is not included if there is a high degree of confidence on the part of NGPC biologists that the species no longer occurs there. Species, particularly those highly mobile such as birds, may occur outside of their range in locations in which the species is generally described as 'accidental' or 'vagrant.' Range maps do not include such locations. Species may also occur outside the range if the range has changed since the time it was last updated.	NE-Parks and games commission	2022		https://www.nebraskamap.gov/datasets/nebraska-threatened-and-endangered-species-ranges-1/about	
	Nebraska Address Points	Statewide address points that have been created to support Nebraska's future Next Generation 911 system. The address points also will help support statewide geocoding and other address related GIS functions. The address points in this dataset represent physical site addresses. This is not a complete dataset yet and will be updated and maintained as new data becomes available.	Nebraska Public Service Commission	2022	Y	https://www.arcgis.com/home/item.html?id=a0113db275c4a348c5f6b9d10430e66	
CAFOs and Pollu	Permitted CAFOs in Nebraska	Location of Permitted CAFOs in Nebraska					
Demographics	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators of a c -Demographic Index: The Demographic Index in EJSCREEN is created -Individuals under age 5: Percent of people in a block group under the 5 -Individuals over age 64: Percent of people in a block group over the ag -Low Income: The percent of a block group's population in households v -Limited English Speaking: Percent of people in a block group living in l -People of Color: The percent of individuals in a block group who list th -Unemployment Rate: The percent of a block group's population that di -Less Than High School Education: Percent of people age 25 or older if EPA		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer	

	EJ Screen Demographic Indexes 2022	<p>There are twelve Environmental Justice Indexes with each corresponding to:</p> <ul style="list-style-type: none"> -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge <p>The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Index)</p>	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_Public/MapServer
	Justice 40 Tracts	<p>This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps.</p> <p>Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data</p>	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348c6a9ae28b344d2957d
Census of Agriculture	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/URZ3KwaTDnbU/KGI/arcgis/rest/services/NASS_2017_CO_UNTY/FeatureServer/0

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other
Water	Surface Water Classifications	This statewide shapefile contains the freshwater surface water classifications for all named streams in North Carolina. This data was first uploaded on March 6, 2015	NC Dept of Environmental Quality	2016	Y	https://www.arcgis.com/home/item.html?id=6b5694f81ed49c6a0f360054049878	https://www.arcgis.com/sharing/rest/content/items/6b5694f81ed49c6a0f360054049878/info/metadata/metadata.xml?format=default&output=html	
	2018 Integrated Report, 303d Waters of NC	2018 Integrated Report (Full Resolution) This layer contains data for the Final NC 2018 Integrated Report. This is a full resolution version of the IR not suitable for web viewing at a statewide scale but may be used at smaller scales or downloaded for desktop use. A simplified version of the 2018 IR is available here that loads quicker and viewable at all scales.	NC DEQ	2018	Y	https://data.ncdenr.opendata.arcgis.com/datasets/ncdenr::2018-integrated-report-final-full-resolution/about	https://srproject.maps.arcgis.com/sharing/rest/content/items/557a0914a4947ad915575809f063037/info/metadata/metadata.xml?format=default&output=html	
	NC Preliminary Flood Zones	North Carolina Preliminary Flood zones. In 2000, the Federal Emergency Management Agency (FEMA) designated North Carolina a Cooperating Technical Partner State, formalizing an agreement between FEMA and the State to modernize flood maps. This partnership resulted in creation of the North Carolina Floodplain Mapping Program (NCFMP). As a CTS, the State assumed primary ownership and responsibility of the Flood Insurance Rate Maps (FIRMs) for all North Carolina communities as part of the National Flood Insurance Program (NFIP). This project includes conducting flood hazard analyses and producing updated, Digital Flood Insurance Rate Maps (DFIRMs). Floodplain management is a process that aims to achieve reduced losses due to flooding. It takes on many forms, but is realized through a series of federal, state, and local programs and regulations, in concert with industry practice, to identify flood risk, implement methods to protect man-made development from flooding, and protect the natural and beneficial functions of floodplains. FIRMs are the primary tool for state and local governments to mitigate areas of flooding. The North Carolina Floodplain Mapping Program creates DFIRM maps to reflect the risk of flooding and distributes these to local communities for review and approval. These zones are currently in the process of local review and revision. Individual county databases can be downloaded from https://nc.gov/firms .	FEMA	2020	Y	https://www.arcgis.com/home/item.html?id=aa565ca94c3041b2b58b5a21c9223de2	https://spartaqis.ncem.org/arcgis/rest/services/PublicFIRMS_FloodZones_Prelim/MapServer/0	
	Major Hydrography - Waterbodies	The NC Center for Geographic Information and Analysis, developed this digital Major Hydrography data to enhance planning, siting and impact analysis in areas directly affecting surface waters consisting of streams and rivers, lakes, reservoirs, and shorelines. The data is a subset of the 1:24,000-scale detailed hydrography data. This file is updated as changes occur.	NC Center for Geographic Information and Analysis.	2022	Y	https://www.arcgis.com/home/item.html?id=c2f641dfbf74852835f6c733cc4631a	https://www.arcgis.com/sharing/rest/content/items/c2f641dfbf74852835f6c733cc4631a/info/metadata/metadata.xml?format=default&output=html	
Major Hydrography - Stream/Rivers	The NC Center for Geographic Information and Analysis, developed this digital Major Hydrography data to enhance planning, siting and impact analysis in areas directly affecting surface waters consisting of streams and rivers, lakes, reservoirs, and shorelines. The data is a subset of the 1:24,000-scale detailed hydrography data. This file is updated as changes occur.	NC Center for Geographic Information and Analysis.	2022	Y	https://www.arcgis.com/home/item.html?id=47b29e6369b4a0cb8bb96aa683e1cf	https://www.arcgis.com/sharing/rest/content/items/47b29e6369b4a0cb8bb96aa683e1cf/info/metadata/metadata.xml?format=default&output=html		
Land	Biodiversity and Wildlife Habitat Assessment	The Biodiversity and Habitat Assessment dataset illustrates the locations and conservation priorities of significant natural resources in North Carolina, and is utilized by local governments, state agencies, regional councils of governments, funding programs, and conservation organizations to support land use, conservation, mitigation and transportation planning and decision-making.	North Carolina Natural Heritage Program	2022	Y	https://www.arcgis.com/home/item.html?id=1c489a78c56c4d84bffe6f58cc5706e	https://www.arcgis.com/sharing/rest/content/items/1c489a78c56c4d84bffe6f58cc5706e/info/metadata/metadata.xml?format=default&output=html	
	Geologic Faults	The NC Dept. of Environmental Quality, Division of Land Resources, NC Geological Survey, in cooperation with the North Carolina Center for Geographic Information and Analysis, developed the GIS data set version of the Geology of North Carolina. The data represents the digital equivalent of the official State Geology map (1:500,000-scale), but was digitized from (1:250,000-scale) base maps. This file contains the line attributes which identify faults in North Carolina. The geologic formation id is the only attribute present. There are two additional files which accompany this layer, formations and dikes. These should be used together with the faults layer. All three files come together. (Refer to the cross references section for more detail on the formations and dikes).	NC Geological Survey, NC-DEQ	2022	Y	https://www.arcgis.com/home/item.html?id=a0928e623fac422e8c4298a6c2f05ac	https://www.arcgis.com/sharing/rest/content/items/a0928e623fac422e8c4298a6c2f05ac/info/metadata/metadata.xml?format=default&output=html	
	Geologic Dikes	The NC Dept. of Environmental Quality, Division of Land Resources, NC Geological Survey, in cooperation with the North Carolina Center for Geographic Information and Analysis, developed the GIS data set version of the Geology of North Carolina. The data represents the digital equivalent of the official State Geology map (1:500,000-scale), but was digitized from (1:250,000-scale) base maps. There are two additional data sets which accompany this layer, formations and dikes. These should be used together with the Geology formations layer. All three data sets come together. (Refer to the cross references section for more detail on the formations and dikes).	NC Geological Survey, NC-DEQ	2022	Y	https://www.arcgis.com/home/item.html?id=c53ba842838c4fbef486a9f24a8dc04	https://www.arcgis.com/sharing/rest/content/items/c53ba842838c4fbef486a9f24a8dc04/info/metadata/metadata.xml?format=default&output=html	
	Geology	The North Carolina Department of Environment and Natural Resources, Division of Land Resources, NC Geological Survey, in cooperation with the North Carolina Center for Geographic Information and Analysis, developed the GIS data set version of the Geology of North Carolina. The data represents the digital equivalent of the official State Geology map (1:500,000-scale), but was digitized from (1:250,000-scale) base maps. There are two additional data sets which accompany this layer, dikes and structures. These should be used together with the Geology formations layer. All three data sets come together. (Refer to the cross references section for more detail on the dikes and structures).	NC Geological Survey, NC-DEQ	2022	Y	https://www.arcgis.com/home/item.html?id=2b848c7b405346baa0g0e882014bb42	https://www.arcgis.com/sharing/rest/content/items/2b848c7b405346baa0g0e882014bb42/info/metadata/metadata.xml?format=default&output=html	
NC Parcels	This digital geospatial dataset represents parcel boundaries with standard core attributes for a collection of parcel data from North Carolina county data producers and the Eastern Band of Cherokee Indians. The Integrated Cadastral Data Exchange project transformed source datasets from county data producers to create a standardized dataset with consistent attributes (fields). The individual standardized county datasets were aggregated into a single dataset. The aggregated parcel dataset includes all 100 counties in North Carolina plus lands of the Eastern Band of Cherokee Indians. The source geometry is retained as published by individual county data producers. This dataset includes attributes such as ownership, area in acres, assessed value, and other core cadastral attributes. Web services have both polygons (parcel boundaries) and points representing each property, placed at or near the geometric center, with the same set of attributes.	This dataset was transformed by the Project Team and Vendor Team for the NC Integrated Cadastral Data Exchange Project, funded by US EPA Environmental Information Exchange Network.	2022	Y	https://www.arcgis.com/home/item.html?id=1de347d828ce4813b838df055b40317	https://www.arcgis.com/sharing/rest/content/items/1de347d828ce4813b838df055b40317/info/metadata/metadata.xml?format=default&output=html		
North Carolina Natural Heritage Program's Managed Areas	The North Carolina Natural Heritage Program's Managed Areas are primarily a collection of fee simple properties and easements where natural resource conservation is one of the primary management goals. It does include a number of properties and easements that are not primarily managed for conservation, but that are of conservation interest. This conservation interest ranges from properties and easements which support rare species and intact, high-quality natural communities to those that are open spaces in places where open space is scarce. Lands that are Dedicated Nature Preserves or Registered Heritage Areas are found in this data set.	North Carolina Department of Natural and Cultural Resources, North Carolina Natural Heritage Program	2022	Y	https://www.arcgis.com/home/item.html?id=8c868f77fe574986b12f3ffa91694981	https://www.arcgis.com/sharing/rest/content/items/8c868f77fe574986b12f3ffa91694981/info/metadata/metadata.xml?format=default&output=html		

Pollution	NC Brownfields Boundary_View	This feature service is for viewing Brownfields projects content and is updated continuously. This data set shows boundaries of Brownfields Projects that have entered into the program to receive a Brownfields Agreement. The boundaries and areas shown reflect the current status of the project in its progression towards having a recorded Notice of Brownfields Property with a finalized Brownfields Agreement. Additional web links are also provided to view corresponding online project documentation and to download compliance forms.	NC Dept of Environmental Quality	2022	Y	https://www.arcgis.com/home/item.html?id=cb87c400320fd4d0480f749934b114572	https://www.arcgis.com/sharing/rest/content/items/cb87c400320fd4d0480f749934b114572/info/metadata/metadata.xml?format=default&output=html
	Animal Feed Operation Permits	The Animal Feeding Operations Program in the North Carolina Department of Environmental Quality's (NCEQ) Division of Water Resources (DWR) is responsible for the permitting and compliance activities of animal feeding operations (AFOs) across the state. Animal operations are defined by General Statute 143-215.10B as feedlots involving more than 250 swine, 100 confined cattle, 75 horses, 1,000 sheep or 30,000 poultry with a liquid waste management system. Information presented here includes active animal operations that are required to be permitted by the state.	NC DEQ	2021	Y	https://www.arcgis.com/home/item.html?id=f283cbe779074b558bcb23c99aaed2ec	https://www.arcgis.com/sharing/rest/content/items/f283cbe779074b558bcb23c99aaed2ec/info/metadata/metadata.xml?format=default&output=html
	NPDES Wastewater Discharge Permits	Active NPDES discharge permits within the state of North Carolina. This dataset includes basic information about each permit such as, if the facility is a major and minor, type of facility, facility name and permit holder, dates, and how many gallons per day (GPD) the facility was built to handle. The dataset also includes a link to where you can find public documents, such as the facilities permits and violations	NC DEQ	2021	Y	https://www.arcgis.com/home/item.html?id=cd70229f9b11407caa28c2588857c5f4	https://www.arcgis.com/sharing/rest/content/items/cd70229f9b11407caa28c2588857c5f4/info/metadata/metadata.xml?format=default&output=html
	401 Certification Wetland Permits	The North Carolina Department of Environmental Quality shall not be held liable for any errors in this metadata. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. These data cannot be construed to be a legal document. Primary sources from which these data were compiled must be consulted for verification of information contained in these data. (ID Ver.)	NC DEQ	2021	Y	https://www.arcgis.com/home/item.html?id=e6114469ac91f4f6a832619d3a926e164	https://www.arcgis.com/sharing/rest/content/items/e6114469ac91f4f6a832619d3a926e164/info/metadata/metadata.xml?format=default&output=html
	Non Discharge Permits	Division of Water Resources Non-Discharge Permits include the following permits: Wastewater Irrigation, Single-Family Residence Wastewater Irrigation, High-Rate Infiltration, Other Wastewater, Closed-Loop Recycle, Reclaimed Water, and Residual Management. Non-Discharge is the treatment of wastewater and disposal/reuse. Non-Discharge is NOT the discharge to surface waters of the state or utilize a sub-surface disposal system (i.e., septic system with leach field). This map includes permit locations, disposal field locations, and monitoring well locations.	NC DEQ	2021	Y	https://www.arcgis.com/home/item.html?id=ab707c50155248cbbdfad2c524f52d11/info/metadata/metadata.xml?format=default&output=html	https://www.arcgis.com/sharing/rest/content/items/ab707c50155248cbbdfad2c524f52d11/info/metadata/metadata.xml?format=default&output=html
Demographics	Hazardous Waste Sites	This data set represents the location of sites within North Carolina that are regulated by the hazardous waste portions of the Resource Conservation and Recovery Act (RCRA). This includes Large Quantity Generators, Small Quantity Generators, Transporters of Hazardous Waste, permitted treatment, storage or disposal (TSD) facilities and TSD facilities that are under an Order or a Consent Agreement. (Note: facilities that are Conditionally Exempt Small Quantity Generators may also be included if they are also a Transporter or TSD facility.) The data is extracted from the EPA RCRAInfo database. The State of North Carolina, Division of Waste Management, Hazardous Waste Section is the implementer of record for this data. The Hazardous Waste Section is authorized by EPA to administer the hazardous waste program.	NC Division of Waste Management	2022	Y	https://www.arcgis.com/home/item.html?id=b3ba5ea13c7194363bb4bb9fb8192974a	https://www.arcgis.com/sharing/rest/content/items/b3ba5ea13c7194363bb4bb9fb8192974a/info/metadata/metadata.xml?format=default&output=html
	Socioeconomic Indicators 2022	EJSCREEN uses demographic factors as very general indicators: -Demographic Index: The Demographic Index in EJSCREEN is: -Individuals under age 5: Percent of people in a block group und -Individuals over age 64: Percent of people in a block group over -Low Income: The percent of a block group's population in house -Limited English Speaking: Percent of people in a block group liv -People of Color: The percent of individuals in a block group whc -Unemployment Rate: The percent of a block group's population -Less Than High School Education: Percent of people age 25 or EPA	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer	
	EJ Screen Demographic Indexes 2022	There are twelve Environmental Justice Indexes with each corresponding to a different pollutant: -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demograph EPA	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_Public/MapServer	
Justice 40 Tracts	This layer assesses and identifies communities that are disadvantaged according to updated Justice40 initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps. Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cba9ae28b344d2957d		
Census of Agriculture	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/UR2kwa1DmBkJGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0	

Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other
Water	BLM OR Water Quality and Quantity Stream Temperature Sample Publication Point Hub	OR-BLM		2022	Y	https://gbc-blm-egis.hub.arcgis.com/datasets/BLM-EGIS:blm-or-water-quality-and-quantity-stream-temperature-sample-publication-point-hub/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/2d2dc05b5234e19bca680ce7777cd5/info/metadata/metadata.xml?format=default&output=html
	BLM OR Hydrography Publication Flowline Fish Arc Hub	OR-BLM		2022	Y	https://gbc-blm-egis.hub.arcgis.com/datasets/BLM-EGIS:blm-or-hydrography-publication-flowline-fish-arc-hub/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/81a5a10a0cb422da15d96f091462449/info/metadata/metadata.xml?format=default&output=html
	Impaired Stream or Coastline 303d	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/WQ/WQ_Hydro_2022/MapServer/0	
Impaired Waterbody	This feature contains a spatial representation of the assessment units used for Oregon's 2022 Integrated Report Assessment Database and 303(d) List. This feature should be used in conjunction with the feature AssessmentUnits_OR. A water body may have assessment information for multiple pollutants or conditions. Oregon's 2022 Integrated Report Assessment Database and 303(d) List are available on-line at https://rstudioconnect.deq.state.or.us/content/0a964958-6ad4-49a4-acd0-54644b96357/ . The online searchable database should be used in conjunction with these features, and is the reference source to verify all attribute information about water quality and to obtain assessment information about water bodies that do not have georeferenced locations. Users may contact DEQ for information about Oregon's water quality assessment process, additional updates to the 2022 IR, and the schedule for future water quality integrated reports. https://www.oregon.gov/deq/wq/Pages/WQ-Assessment.aspx	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/WQ/WQ_Hydro_2022/MapServer/1	
Water Rights Point of Diversion	Locations of water diversion and the stated use for the diversion. The data was collected by the Oregon Department of Environmental Quality	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/DEQ_Services/Div33ToolTest/MapServer/22	
Instream water rights	Polygon layer with water rights for instream water diversion. Collected by the OR DEQ	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/DEQ_Services/Div33ToolTest/MapServer/23	
Land	BLM OR Areas of Critical Environmental Concern Poly	OR-BLM		2022	Y	https://gbc-blm-egis.hub.arcgis.com/datasets/BLM-EGIS:blm-or-areas-of-critical-environmental-concern-poly-hub/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/458dc9ab2ac043ec84d025c0b65a26/info/metadata/metadata.xml?format=default&output=html
	Critical habitat for threatened or endangered species, areas	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/WQ/ESA_CriticalHabitat_Areas/MapServer/0	
	Critical Habitat for threatened or endangered species, streams	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/WQ/ESA_CriticalHabitat_Sstreams/MapServer/0	
Pollution	Oregon CAFOs	OR-DEQ		2022	Download	https://www.oregon.gov/oda/programs/naturalresources/pages/cafo.aspx	
	Facilities	OR-DEQ		2022	Y	https://arcgis.deq.state.or.us/arcgis/rest/services/DEQ_Services/Facilities/FacilitiesServer	
	Oregon CAFOS ODA	Oregon Department of Agriculture		2022	Y	https://maps.oda.state.or.us/arcgis/rest/services/Projects/ODA_NRPA_ConfinedAnimalFeedingOperations/MapServer	
Demographic S	Socioeconomic Indicators 2022	EPA		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_PublicMapServer	
	EJ Screen Demographic Indexes 2022	EPA		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJScreen_Indexes_2022_PublicMapServer	
	Justice 40 Tracts	Council on Environmental Quality		2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d268a0348c8a9ae28b3442d957d	
Census of Agriculture	NASS 2017 County Inventory	USDA		2017	Y	https://services1.arcgis.com/UR23kwa1DnbUkG1Trarcis/rest/services/NASS_2017_COUNTY/FeatureServer/0	

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other
Water	Sole Source Aquifers	U.S. EPA defines a Sole Source Aquifer (SSA) as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. These areas may have no alternative drinking water source(s) that could physically, legally and economically supply all those who depend on the aquifer for drinking water.	Ohio EPA	2020	Y	https://data-oepla.opendata.arcgis.com/datasets/oepla-sole-source-aquifers/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/89493ce7ac02476988e9b736b097091b/info/metadata/metadata.xml?format=default&output=thtml	
	IR 2020 Watershed assessment units	Description: Watershed Assessment Units are comprised of 1,538 watersheds that align with the 12-digit hydrologic unit code (HUC) system. The first two digits of Ohio numbers are either 04 (draining to Lake Erie) or 05 (draining to the Ohio River). Data from individual sampling locations in an assessment unit are accumulated and analyzed.	Ohio EPA	2020	Y	https://geo.epa.ohio.gov/arcgis/rest/services/SurfaceWater/IR2020/MapServer/5		
	IR 2020 large river assessment units	Description: Large River Assessment Units (LRAUs) – 38 segments in the 23 rivers that drain more than 500 square miles; the length of each river included is from the mouth of each river upstream to the point where the drainage area reaches approximately 500 square miles. Data from individual sampling locations in an assessment unit are accumulated and analyzed.	Ohio EPA	2020	Y	https://geo.epa.ohio.gov/arcgis/rest/services/SurfaceWater/IR2020/MapServer/2		
	Drinking Water Source Protection Areas	The Ohio Source Water Protection Program is intended to protect Ohio's streams, rivers, lakes, reservoirs, and ground waters used for public drinking water from future contamination. To protect drinking water supplies, a protection area is delineated based on the area that supplies water to the well or surface water intake.	Ohio EPA	2017	Y	https://data-oepla.opendata.arcgis.com/datasets/oepla-drinking-water-source-protection-areas-ground-water-public-water-systems/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/42fc5165c19446a9a6ed1799cd02b3/info/metadata/metadata.xml?format=default&output=thtml	
	Drinking Water Advisories Open Data	Drinking Water Advisories at Ohio Public Water Systems. Locations and details of drinking water advisories at Ohio public water systems. Also download Drinking Water Advisory Notes and link by PWSID. Data reflects current conditions only and does not contain historic advisories.	Ohio EPA	2020	Y	https://data-oepla.opendata.arcgis.com/datasets/oepla-drinking-water-advisories-open-data/about		
	Source Water Protection Program	The Ohio Source Water Protection Program is intended to protect Ohio's streams, rivers, lakes, reservoirs, and ground waters used for public drinking water from future contamination. To protect drinking water supplies, a protection area is delineated based on the area that supplies water to the well or surface water intake. A Drinking Water Source Water Protection Area for a public water system using ground water is the surface and subsurface area surrounding a public water supply well(s) which will provide water from an aquifer to the well(s) within five years as delineated or endorsed by the agency under Ohio's Wellhead Protection and Source Water Assessment and Protection Programs. The Inner Management Zone is the surface and subsurface area surrounding a public water supply well(s) that will provide water to the well(s) within one year as delineated or endorsed by the agency under the wellhead protection program and the source water assessment and protection program. Several types of source water protection areas have been defined for surface water supplied water systems. The definition and the method of delineation are based on the type of water body from which the system withdraws water.	Ohio EPA	2022	Y	https://geo.epa.ohio.gov/arcgis/rest/services/DrinkingWater/SWAP/MapServer		
	Lake Erie Drainage Divide	The divide that designates where the land drains into Lake Erie and where it flows inland. Layer from the OH EPA	Ohio EPA	2022	Y	https://geo.epa.ohio.gov/arcgis/rest/services/Hydro/Hydrography/FeatureServer/0		
	Lake Erie Fish Habitat	Fish habitat in Lake Erie as described by the Ohio EPA.	Ohio EPA	2022	Y	https://gis.ohiodnr.gov/arcgis_site2/rest/services/OCM_Services/LakeErie_FishHabitat/MapServer		
	Ohio Environmental Layers	Many environmental layers provided by the Ohio EPA, some of the layers include, aerial imagery, NHD flowlines, SOIL, Land classifications, watershed areas of concern.	Ohio EPA	2022	Y	https://gis.ohiodnr.gov/arcgis_site2/rest/services/OCM_Services/lakeerie_mapaddin/MapServer		
	Wildlife Lake Points	Points that represent lakes of wildlife significance as described by the Ohio EPA.	Ohio EPA	2022	Y	https://gis.ohiodnr.gov/arcgis/rest/services/OIT_Services/Wildlife_Lake_Points/MapServer		
Land	Karst Areas Probable	This data layer contains the buffers of the known and indicated karst features. These buffers are known as the "Probable karst areas". "Probably karst areas" were defined as areas that: (1) lie within a half mile of a known or indicated karst location, and (2) are underlain by carbonate or gypsumiferous bedrock with an overburden of less than 20 feet of noncarbonate bedrock and/or unconsolidated material as shown by comparison of 7.5-minute bedrock-topography and bedrock-topography maps to surface topography.	OH-DNR	2022	Y	https://gis.ohiodnr.gov/arcgis_site2/rest/services/DNR_Services/SUBSURFACE/MapServer		
	OH Parcels	This dataset represents a compilation of the data from each county in Ohio that has parcel data available.	OH-DNR	2022	Y	https://geo1.oit.ohio.gov/arcgis/rest/services/Statewide_Parcels_2022/MapServer/0		
	Ohio Geology Layers	Large package of layers containing various geological layers for Ohio. There is also karst data within this package. Provided by the OH DNR	OH-DNR	2022	Y	https://gis.ohiodnr.gov/arcgis/rest/services/DGS_Services/MRCSP_Phase_II/MapServer		
	Earthquakes	Points of earthquakes recorded in Ohio.	OH-DNR	2022	Y	https://gis.ohiodnr.gov/arcgis/rest/services/DGS_Services/Earthquakes/MapServer		
	Groundwater Vulnerability	Various layers related to groundwater vulnerability in Ohio, as described by the Ohio DNR.	OH-DNR	2022	Y	https://gis.ohiodnr.gov/arcgis_site2/rest/services/DGS_Services/Groundwater_Vulnerability/MapServer		
	Pollution	CAFO from NPDES Permits	CAFOs reported from NPDES permits in the states of Ohio. Layer does not seem to report all CAFOs in Ohio.	Ohio EPA	2022	Y	https://geo.epa.ohio.gov/arcgis/rest/services/SurfaceWater/NPDES/FeatureServer/5	
Spills and Releases Reported to Ohio EPA		Spills Reported to Ohio EPA since 2020. Spill site and products released are included in this data set.	Ohio EPA	2020	Y	https://data-oepla.opendata.arcgis.com/datasets/oepla-spills-and-releases-reported-to-ohio-epa-since-may-2017/about	https://sraproject.maps.arcgis.com/sharing/rest/content/items/5681b3eca1014901be58e8fca593050c/info/metadata/metadata.xml?format=default&output=thtml	
BioSolids Applications Fields		Polygon layer of Biosolid Application Fields in Ohio as reported by the Ohio EPA.	Ohio EPA	2020	Y	https://geo.epa.ohio.gov/arcgis/rest/services/SurfaceWater/Biosolids/MapServer/0		

Demographic CS	Socioeconomic Indicators 2022	<p>EJSCREEN uses demographic factors as very general indicators of i</p> <ul style="list-style-type: none"> -Demographic Index: The Demographic Index in EJSCREEN is creat -Individuals under age 5: Percent of people in a block group under th -Individuals over age 64: Percent of people in a block group over th -Low Income: The percent of a block group's population in household -Limited English Speaking: Percent of people in a block group living i -People of Color: The percent of individuals in a block group who list -Unemployment Rate: The percent of a block group's population that -Less Than High School Education: Percent of people age 25 or olde EPA 		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscr/en/Socioeconomic_Indicators_2022_Public/MapServer	
	EJ Screen Demographic Indexes 2022	<p>There are twelve Environmental Justice Indexes with each correspor</p> <ul style="list-style-type: none"> -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge <p>The EJ index is constructed as follows: $EJ\ Index = (Percentile\ of\ Environmental\ Indicator) * (Demographic\ In\ EPA)$</p>		2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscr/en/EJScreen_Indexes_2022_Public/MapServer	
	Justice 40 Tracts	<p>This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps.</p> <p>Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data</p>	Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cba9ae28b344d2957d	
Census of Agriculture	NASS 2017 County Inventory	<p>The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.</p>	USDA	2017	Y	https://services1.arcgis.com/URZ3KwaT1DnUJkGTarqgis/rest/services/NASS_2017_COUNTY/FeatureServer/0	

	Layer Name	Description	Agency	Year	Active (Y/N)	URL	Metadata link	Other
Water	Areas of sensitive lakes	Shoreline of lakes that is threatened and considered sensitive	WI-DNR	2022	Y	https://data-wi-dnr.opendata.arcgis.com/datasets/wi-dnr::sensitive-areas-of-lakes/explorer?location=44.828741%2C-89.435050%2C7.54	https://www.eagles.maps.arcgis.com/sharing/rest/content/items/67fe47a00602426ae1a47d9cb290ae/info/metadata/metadata.xml?format=default&output=html	
	WI wetland full inventory	Full wetland inventory for Wisconsin, detailed size and location of wetlands	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=200c06fc04074ef7ae24c0b74737b187		
	24k Hydro Shorelines	Hydro bank represents all the bank lines including complete Great Lake shorelines. Features were collected from water areas represented by USGS 1:24k topographic map series.	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=ebdae59678e6435a9526e0719d5a6820	https://www.arcgis.com/sharing/rest/content/items/ebdae59678e6435a9526e0719d5a6820/info/metadata/metadata.xml?format=default&output=html	
	24k Hydro Flow lines	Flowlines include all line features from the USGS 1:24k scale topographic map series such as perennial and intermittent streams.	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=c7de80d473d440e98ab3ac6b11e7d64		
	Other Public Rights Features	Wisconsin fish and wildlife habitat, and other areas that are classified as critical habitats and are sensitive to human disturbance.	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=b0f53ebb88044730b144dbd7b7b82c70	https://www.arcgis.com/sharing/rest/content/items/b0f53ebb88044730b144dbd7b7b82c70/info/metadata/metadata.xml?format=default&output=html	
	303d impaired rivers and streams	Impaired waters listings reflect those waters that have been evaluated and determined that they are not meeting state water quality standards.	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=3a027eeb87224144be6c4a4c9b29a84	https://www.arcgis.com/sharing/rest/content/items/3a027eeb87224144be6c4a4c9b29a84/info/metadata/metadata.xml?format=default&output=html	
	303d Impaired Lakes	Wisconsin lakes listed as impaired under section 303d of the Clean Water Act	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=c3a5217d22e94e6f830a0964395c99	https://www.arcgis.com/sharing/rest/content/items/c3a5217d22e94e6f830a0964395c99/info/metadata/metadata.xml?format=default&output=html	
	Wisconsin Wells	Well inventory used by the Groundwater Retrieval Network application. The inventory includes all wells from the Drinking water system, water use, well construction, GEMS and SWAMP.	WI-DNR	2022	Y	https://www.arcgis.com/home/item.html?id=a69b5442cb9249f58fa55c205fb269	https://www.arcgis.com/sharing/rest/content/items/a69b5442cb9249f58fa55c205fb269/info/metadata/metadata.xml?format=default&output=html	
		Wisconsin DNR Surface map viewer, has a wide variety of water classifications				https://dnrmaps.wi.gov/H5?Viewer=SWDV		
	Land	Statewide Parcel Data	Parcel data for the state, searchable This layer is derived from the DNR Managed Lands dataset, dissolved on PROP_CODE. This layer contains fee simple (DNR owned) land, DNR easement on private land and DNR lease on federal- and county-owned land. DNR easements on privately held property are not included. See metadata/data dictionary for interest (transaction type) classification.	State cartography office-UW madison		Y	https://maps.sco.wisc.edu/Parcels/	
DNR Managed Properties		This dataset contains land managed by DNR represented as property. Use DNR Managed Land Parcels for the individual parcel polygons. This dataset is updated on a weekly basis.	WI-DNR	2023	Y	https://dnrmaps.wi.gov/arcgis/rest/services/LF_DML/LF_AGO_L_STAGING_WTM_Ext/MapServer/0		
Land Type Associations		Layer represents a further definition of the National Hierarchical Framework of Ecological Units. This ecological classification system divides landscapes into ecologically significant regions at multiple scales.	WI-DNR	2019		https://www.arcgis.com/home/item.html?id=876eda49a8a24122a72afa8c3f24aa20	https://www.arcgis.com/sharing/rest/content/items/876eda49a8a24122a72afa8c3f24aa20/info/metadata/metadata.xml?format=default&output=html	
CAFOs and Pollution	Permitted CAFOs in Wisconsin 2022	Permitted CAFOs in Wisconsin as described by the Wisconsin DNR.	WI-DNR	2022	Y	https://services3.arcgis.com/C5ala0c3gJMI8fg/arcgis/rest/services/WI_CAFO3/FeatureServer/0		
	CAFO 2017	CAFOs reported in 2017 to the WI DNR.	WI-DNR	2017	Y	https://services3.arcgis.com/SXbDpmb7xQkk44JV/arcgis/rest/services/CAFO_WIDNR_2017/FeatureServer/0		
	Wisconsin CAFO Field Boundaries	Field boundaries of CAFOs as described by the Wisconsin DNR	WI-DNR	2022	Y	https://services3.arcgis.com/C5ala0c3gJMI8fg/arcgis/rest/services/WI_CAFO_SIMPLE_AR_SV_20211104_view/FeatureServer/0		
		EJSCREEN uses demographic factors as very general indicators of -Demographic Index: The Demographic Index in EJSCREEN is created by combining: -Individuals under age 5: Percent of people in a block group under 5 -Individuals over age 64: Percent of people in a block group over 64 -Low Income: The percent of a block group's population in households with limited English speaking -Limited English Speaking: Percent of people in a block group living in households with limited English speaking -People of Color: The percent of individuals in a block group who list a race other than white -Unemployment Rate: The percent of a block group's population that is unemployed -Less Than High School Education: Percent of people age 25 or older who have not completed high school There are twelve Environmental Justice Indexes with each corresponding to: -Particulate Matter (PM2.5) -Ozone -Diesel Particulate Matter -Air Toxics Cancer Risk -Air Toxics Respiratory Hazard Index -Traffic Proximity -Lead Paint -Superfund Proximity -RMP Facility Proximity -Hazardous Waste Proximity -Underground Storage Tanks -Wastewater Discharge The EJ index is constructed as follows: EJ Index = (Percentile of Environmental Indicator) * (Demographic Index) This layer assesses and identifies communities that are disadvantaged according to updated Justice40 Initiative criteria. Census tracts in the U.S. and its territories that meet the Version 1.0 criteria are shaded in semi-transparent blue colors to work with a variety of basemaps. See this web map for use in your dashboards, story maps, and apps. Details of the assessment are provided in the popup for every census tract in the United States and its territories American Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the U.S. Virgin Islands. This map uses 2010 census tracts from Version 1.0 of the source data	EPA	2022	Y	https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/Socioeconomic_Indicators_2022_Public/MapServer		
Demographics	Socioeconomic Indicators 2022							
	EJ Screen Demographic Indexes 2022						https://ejscreen.epa.gov/arcgis/rest/services/ejscreen/EJ_Screen_Indexes_2022_Public/MapServer	
Census of Agriculture	Justice 40 Tracts		Council on Environmental Quality	2022	Y	https://sraproject.maps.arcgis.com/home/item.html?id=990e8d269a0348cba9e28b344d2957d		
	NASS 2017 County Inventory	The Census of Agriculture, produced by the USDA National Agricultural Statistics Service (USDA), provides a complete count of America's farms, ranches and the people who grow our food. The census is conducted every five years, most recently in 2017, and provides an in-depth look at the agricultural industry.	USDA	2017	Y	https://services1.arcgis.com/UR23kwa1TbnUKGT/arcgis/rest/services/NASS_2017_COUNTY/FeatureServer/0		