APPENDIX D: GIS DATA REFERENCES

	Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
				2021 Tooele County PDMP GIS Data Types and Information								
AGRICULTURAL RESOURCES		Farmland	Acres	58,408		yes	yes	AGRC_WRLU_Agricultural	Water Related Land Use - Land Use Field = Agricultural	NRCS SSURGO		2019
		Grazing Allotments				yes		Tooele_Grazing_Allotments		AGRC	Grazing Allotments contain statewide Grazing Allotment boundaries for use in planning and land management. This dataset also contains the allotment name, number and managing agency. Each allotment is managed by the listed state or federal agency on number of domestic animals allowed on the allotment and designated as Animal Unit Months (AUMs). The dataset was compiled by Utah Department of Agriculture and Food GIS staff from multiple state and federal agencies. There are no constraints or warranties with regard to the use of this dataset.	Sep-09
		Grazing Allotments	Units	428		yes						
		Grazing Allotments	Acres	2,165,542		yes				AGRC	Grazing Allotments contain statewide Grazing Allotment boundaries for use in planning and land management. This dataset also contains the allotment name, number and managing agency. Each allotment is managed by the listed state or federal agency on number of domestic animals allowed on the allotment and designated as Animal Unit Months (AUMs). The dataset was compiled by Utah Department of Agriculture and Food GIS staff from multiple state and federal agencies. There are no constraints or warranties with regard to the use of this dataset.	Sep-09
HOMES		Housing Units	Points/Value	23,758		yes	yes	AddressPoints_Residential All, AddressPoints_Res_Additions	AGRC address points joined with Tooele Parcels LIR county assessors data.	Utah AGRC		2020
		Parcels Associated	#	21,240		yes	yes	All Codes_Residential/ ResCode_Additions	Parcels LIR all features labeled with Residential Related Codes from prop_class field, as well as additional inclusions derived from identifying address points that had likely had been updated more recently than Parcel Data.	Utah AGRC		
			Acres	37,416	$ 4,613,709,010.00	yes	yes			Utah AGRC		
		Cemetery				yes	yes	Cemeteries_Locations.shp	AGRC Utah - *Product name*: Cemeteries. *Steward*: Utah State History… Also supplimented with Google Earth Search	AGRC Utah - Product name: Cemeteries. Steward: Utah State History		
			Points	13								
		Commercial Business	Points/Value	1107		yes	yes	Adress Points_Commercial All	AGRC address points joined with Tooele Parcels LIR county assessors data.	Utah AGRC Address_Points / Parcels Tooele LIR		
		Parcels Associated	#	954		yes	yes	All_Codes_Commercial	Parcels LIR all features labeled with Commercial Related Codes from prop_class field	Utah AGRC/Counties Parcels Tooele LIR		
			Acres	14171.39	$ 862,115,072.00	yes	yes	All_Codes_Commercial		Utah AGRC/Counties Parcels Tooele LIR		
		Library	Points	5		yes	yes	GE_Library.gdb	AGRC Libraries supplimented with Google Earth Search	Utah AGRC	Libraries provides locations and information for public Libraries and their branches throughout Utah. Includes base location for bookmobile libraries.	Jun-13

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
COMMUNITY RESOURCES	Place of Worship	Points	74		yes	yes	GE_PlacesofWorship.gdb	AGRC Utah - Places of Worship suplimented with a search performed on Google Earth	Utah AGRC	The definition of a place of worship is any type of building or portion of a building that is used, constructed, designed, or adapted to be used as a place for religious and spiritual activities. This does not include religious schools or community centers, unless they meet the definition as a place of worship. Examples of facilities in this dataset are chapels, churches, convents, mosques, shrines, synagogues, and temples. The sources of this dataset are the Large Protestant Churches, Mosques, Jewish Synagogues, and Roman Catholic Churches in Large Cities dataset and additional AGRC research.	2011
	Grocery Stores	Points	22		yes	yes	GE_GroceryStores.gdb	Google Earth Search			10/26/2020
	University/College/Post High Schoole Education Facilities	Points	5		yes	yes	GE_EdPostHigh.gdb	AGRC Utah - Schools_Higher Education... suplimented with a search performed on Google Earth	Utah AGRC	This dataset contains point locations for higher education and adult vocational training in the state of Utah. This includes public and private colleges and universities, technical colleges, and other higher education institutions.	Sep-20
	Schools K-12	Points	34		yes	yes	GE_Ed_K_12.gdb	AGRC Utah - schools_prek_to_12... suplimented with a search performed on Google Earth	Utah AGRC	This dataset contains point locations for preschool and K-12 schools in the state of Utah - updated for the 2019-2020 school year. Higher education and adult The schools_prek_to_12 dataset was built in collaboration with Wasatch Front Regional Council (WFRC), the Utah State Board of Education (USBE), and the Utah Automated Geographic Reference Center (AGRC). The dataset includes public and private K-12 school locations with enrollment and demographics info by grade for public schools (charter and traditional) reported to the USBE. While some preschools are included, this is not a comprehensive statewide dataset for preschools.vocational training are not included in the dataset.	Aug-20
	Pre K	Points	13		yes	yes	GE_EdPreK.gdb	AGRC Utah - schools_prek_to_12... suplimented with a search performed on Google Earth	Utah AGRC	This dataset contains point locations for preschool and K-12 schools in the state of Utah - updated for the 2019-2020 school year. Higher education and adult The schools_prek_to_12 dataset was built in collaboration with Wasatch Front Regional Council (WFRC), the Utah State Board of Education (USBE), and the Utah Automated Geographic Reference Center (AGRC). The dataset includes public and private K-12 school locations with enrollment and demographics info by grade for public schools (charter and traditional) reported to the USBE. While some preschools are included, this is not a comprehensive statewide dataset for preschools.vocational training are not included in the dataset.	Aug-20
	Correctional Facility	Points	2		yes	yes	GE_Correctional_Facilities.gdb	AGRC Utah - Correctional Facilites.... Suplimented with a search preformed on Google Earth	Utah AGRC	CorrectionalFacilities contains locations for jails and prisons in Utah. A jail or prison defined by the Department of Justice consists of any facility or location where individuals are regularly and lawfully detained against their will. This includes Federal and State prisons, local jails, and juvenile detention facilities, as well as law enforcement temporary holding facilities. Locations which function primarily as law enforcement offices are included in this dataset if they have	Jun-13

386

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
GOVERNMENT FACILITIES	Military Facility	Points	5		Yes	yes	HIFLD_DoD_SitePoints	https://hifld-geoplatform.opendata.arcgis.com/datasets/dod-sites-points-public	US Department of Defense	This geospatial dataset contains the authoritative point locations of Department of Defense sites, commonly referred to as installations, ranges, training areas, bases, forts, camps, armories, centers, etc. These installations are, in many cases, comprised of a number of subordinate sites. This list does not necessarily represent a comprehensive collection of all Department of Defense facilities, and only those reported in the 2015 Base Structure Report (BSR) were considered for inclusion. Points are placed either at or near the center of each site and do not reflect any particular landmark. Boundaries encompass federally owned or otherwise managed lands, as defined in the BSR. The point and boundary location datasets are intended for planning purposes only, and do not represent the legal or surveyed land parcel boundaries.	5/17/2018
	Post Office	Points	7		yes	yes	GE_Local_Gov_Fac.gdb		Utah AGRC	Locations of Utah Post Offices according to an address list from the Salt Lake City USPS District Office.	Febuary 6 2018
	Local Government Facilities	Points	17		yes	yes	GE_Local_Gov_Fac.gdb	Digitized Town Halls, County Facilities, Court Houses, City Tresuer	BRAG		10/26/2020
RECREATION AMENITIES	Campground/Recreation Facility	Points	22		yes	yes	GE_Campgrounds.gdb	Campgrounds, picnic areas	Google earth search		10/26/2020
	Golf Course	Points	4		Yes	yes	GE_Golf_Cources.gdb	Polygon to point and Google Earth search	Utah AGRC/BRAG		10/26/2020
	Community Centers	Points	7		yes	yes	GE_Community_Centers.gdb	Digitized - Public gathering areas, indoor and outdoor	BRAG		11/4/2020
	Historic Site	Points	87		yes	yes	GE_Historic_Sites.gdb	Objects, sites, and structures. Majority from AGRC Layer supplimented with Google Earth search	US Department of Interior, NRHP and Google Earth	Location, text, photos, and other information about historic markers and monuments located throughout Utah.	10/26/2020
	Museum	Points	8		yes	yes	GE_Museums.gdb	Digitized	BRAG		10/26/2020
	State Park	Points	2		yes	yes	GE_State_Parks.gdb	Google Earth Search	BRAG		10/26/2020
	Park	Points	40		yes	yes	GE_Parks	Google Earth Search	BRAG		10/26/2020
	Trail	Miles	825.28		yes	yes	Trails_Pathways.shp	All existing	Utah AGRC/BRAG/Counties		
	Emergency Medical Service	Points	11		yes	yes	GE_Emergency_Medical_Service.gdb	AGRC Utah Data	Utah AGRC	mergency Medical Services represents the Emergency Medical Service (EMS) Facilities throughout the state of Utah. An EMS Facility is any location where emergency medical services personnel are stationed or based out of, or where EMS equipment is stored and ready use. Health.EmergencyMedicalServices includes both private and governmental entities.	Jun-13
	Public Safety Answering Point (PSAP) locations	Points	1		yes	yes	PSAP_Locations	AGRC Utah Data		PSAPLocations represents the primary Public Safety Answering Point (PSAP) locations in Utah. The Salt Lake County Sheriff Office PSAP is secondary. The dataset was created in December 2004 by geocoding the PSAP addresses provided by the E911 Executive Committee.	Dec-04

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
EMERGENCY SERVICES	Emergency Operations Center	Points	0		n/a	n/a		County EOC's only - others included in Town Halls and Fire/Police Stations	Homeland Infrastructure Foundation-Level Data (HIFLD)	An Emergency Operations Center (EOC) is the physical location at which the coordination of information and resources to support incident management (on-scene operations) activities normally takes place. An EOC may be a temporary facility or may be located in a more central or permanently established facility, perhaps at a higher level of organization within a jurisdiction. EOCs may be organized by major functional disciplines (e.g., fire, law enforcement, medical services), by jurisdiction (e.g., Federal, State, regional, tribal, city, county), or by some combination thereof. The WEBSITE attribute contains a link to Emergency Operations Center or State Emergency Management website. These links contain updated information on emergencies and points of contact. The TRAFFIC attribute contains an link to dynamic traffic information via State 511 Intelligent Traffic System (ITS) website or Department of Transportation (DOT) website.FEMA's Directory Information: http://www.fema.gov/state-offices-and-agencies-emergency-management. Note: The most up to date contact information is found on the State or Territory website.	Mar-20
	Fire Station	Points	20		yes	yes	GE_FireStations.gdb	AGRC Data. Suplimented by a Google Earth Search	Utah AGRC	This dataset represents Fire Station locations in Utah.	6-Mar-14
	Hospital/Health Care Facility	Points	40		yes	yes	GE_Hopsital_HCF.gdb	Hospital, nursing home, assisted living, home health, outpatient, therapy, hospice, urgent care, clinic, and other facilities	Utah AGRC. Suplimented with Google Earth Search		December, 2017
	National System Shelter Facility	Points	18		Yes	yes	National_Shelter_Systems_Facilities		Homeland Infra. Foundation-Level Data (HIFLD)	The National Shelter System feature layer contains facilities that can house individuals in the event of an issued evacuation for the facilities area. This layer's attribution contains physical, demographic, and capacity information for facilities in the continental United States and some of its territories. The purpose of this layer is to provide accurate locations for a potential shelter in the event of a disaster. The facilities included have been designated as a Shelter by either the Federal Emergency Management Agency (FEMA) or the American Red Cross (ARC).	10/27/2020
	Law Enforcement Station	Points	10		yes	yes	GE_Law_Enforcement	AGRC Data. Suplimented by a Google Earth Search	AGRC	LawEnforcement contains locations for law enforcement facilities in Utah. Law enforcement facilities are defined as any location where sworn officers of a law enforcement agency are regularly based or stationed. Law enforcement facilities are at least partially publicly funded. This law enforcement dataset includes federal, state, local and special jurisdiction facilities. Examples of law enforcement facilities included are municipal police, county sheriffs, state police, school police, park police, railroad police, and federal police.	Oct-20

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
ENERGY INFRASTRUCTURE	Substation/Regulator				Yes	yes	HIFLD_Substations		Homeland Infrastructure Foundation-Level Data (HIFLD)	This feature class/shapefile represents electric power substations primarily associated with electric power transmission. In this layer, substations are considered facilities and equipment that switch, transform, or regulate electric power at voltages equal to, or greater than, 69 kilovolts. Substations with a maximum operating voltage less than 69 kilovolts may be included, depending on the availability of authoritative sources, but coverage of these features should not be considered complete. The Substations feature class/shapefile includes taps, a location where power on a transmission line is tapped by another transmission line. The following updates have been made since the previous release: 6,359 features added.	7/8/2020
		Points	39								
	Natural Gas Pipeline	Miles	105.98		yes	yes	Pipeline_NaturalGas	UGS_Pipelines_UGS	Utah Gelogical Survey		
	Crude Oil Pipeline	Miles	0		NA	yes			Utah Geological Survey		
	Oil and Gas Well	Points	48		yes	yes	GE_OilGas_Wells.gdb		AGRC		
	AGRC Oil and Gas Wells				yes	yes	GE_OilGas_Wells	https://gis.utah.gov/data/energy/oil-gas/	AGRC	These datasets depict oil and gas well surface points, units and fields polygons from the Utah Department of Natural Resources, Oil, Gas and Mining Division. This data was developed by contractors sponsored in part by the U.S. Department of Energy and the Ground Water Protection Council and provides the opportunity for the Division to collect more descriptive down-hole information for each wellbore permitted and drilled. Initially, much of the down-hole information will not be available because there was no place to save it in the previous databases. Eventually, as new wells are drilled and old legacy data is entered, more descriptive data will become available for the wells in Utah.	10/28/2020
		Points	34								
	HIFLD_Oil_and_Natural_Gas_Wells				Yes	yes	HIFLD_Oil_and_Natural_Gas_Wells	https://hifld-geoplatform.opendata.arcgis.com/datasets/oil-and-natural-gas-wells	HIFLD Data	This feature class/shapefile represents Oil and Natural Gas Wells. An Oil and Natural Gas Well is a hole drilled in the earth for the purpose of finding or producing crude oil or natural gas; or producing services related to the production of crude or natural gas. Geographic coverage includes the United States (Alabama, Alaska, Arizona, Arkansas, California, Colorado, Florida, Illinois, Indiana, Kansas, Kentucky, Louisiana, Maryland, Michigan, Mississippi, Missouri, Montana, North Dakota, Nebraska, Nevada, New Mexico, New York, Ohio, Oklahoma, Oregon, Pennsylvania, South Dakota, Tennessee, Texas, Utah, Virginia, Washington, West Virginia, Wyoming) as well Oil and Natural Gas wells in the Canadian provinces of British Columbia and Manitoba that are within 100 miles of the country's border with the United States. According to the Energy Information Administration (EIA) the following states do not have active/producing Oil or Natural Gas Wells: Connecticut, Delaware, District of Columbia, Georgia, Hawaii, Iowa, Idaho, Massachusetts, Maine, Minnesota, North Carolina, New Hampshire, New Jersey, Rhode Island, South Carolina, Vermont, and Wisconsin. Some states do have wells for underground Natural Gas storage facilities where these have been identified they were included. This layer is derived from well data from individual states and provinces and United States Agencies. This layer is complete for the United States but further development of data missing from two Canadian provinces and Mexico is in process. This update release includes an additional 497,036 wells covering Texas. Oil and gas exploration in Texas takes advantage of drilling technology to use a single surface well drilling location to drill multiple	9/24/2019
		Points	14								

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
	Petroleum Terminals	Points	1		yes	yes	HIFLD_Petroleum_Terminals	https://hifld-geoplatform.opendata.arcgis.com/datasets/petroleum-terminals	HIFLD Data	This feature class/shapefile represents Petroleum Terminals. Petroleum Terminals are used to provide storage of both crude oil and refined petroleum products. Data contains locational and other attribute information for operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or ability to receive volumes from tanker, barge, or pipeline. Geographical coverage includes the United States, U.S. Virgin Islands, Puerto Rico, and Guam. This update includes an increase of 62 records for a total of 2,341 terminals. Two terminals were removed because it was confirmed they no longer exist. 66 new terminals were added; 57 of these were located at international airports. 3 terminals were changed to a STATUS of "DISMANTLED" because they no longer exist but still appear in some imagery sources. A new STATUS of "DISMANTLED" was added. Several NAICS codes and descriptions were corrected.	10/6/2020
	Petroleum Pipeline	Miles	58.88		yes	yes	Pipeline_Petro	UGS_Pipelines_UGS	Utah Geological Survey		
	Hydrogen Sulfide Pipeline	Miles	0		na	n/a			Utah Geological Survey		
	Power Generation Facility	Points	2		yes	yes	HIFLD_Power_Plants	https://hifld-geoplatform.opendata.arcgis.com/datasets/power-plants	HIFLD Data	This feature class/shapefile represents electric power plants. Power plants are all the land and land rights, structures and improvements, boiler or reactor vessel equipment, engines and engine-driven generators, turbo generator units, accessory electric equipment, and miscellaneous power plant equipment are grouped together for each individual facility. Included are the following plant types: hydroelectric dams, fossil fuel (coal, natural gas, or oil), nuclear, solar, wind, geothermal, and biomass. The following updates have been made since the previous release: 739 features added.	7/9/2020
	Alternative Energy Fuel Stations	Points	8		yes	yes	USDE_Alternative_Fuel_Stations	https://afdc.energy.gov/data_download	U.S. Department of Energy - Energy Efficiency and Renewable Energy		10/28/2020
	Transmission Line	Miles	386.23		yes	yes	HIFLD_Electric_Power_Transmission_Lines	https://hifld-geoplatform.opendata.arcgis.com/datasets/electric-power-transmission-lines - May aslo need to add some lines from the AGRC Layer	Homeland Infra. Foundation-Level Data (HIFLD)	This feature class/shapefile represents electric power transmission lines. Transmission Lines are the system of structures, wires, insulators and associated hardware that carry electric energy from one point to another in an electric power system. Lines are operated at relatively high voltages varying from 69 kV up to 765 kV, and are capable of transmitting large quantities of electricity over long distances. Underground transmission lines are included where sources were available. The following updates have been made since the previous release: 6,457 features added	7/8/2020
NATURAL INFRASTRUCTURE	Lake/Pond	Acres	184138.98		yes		LakePond_Intermit_Perenial	All Intermittent and Perenial lakes and ponds included	USGS, NHD Plus		2019
	Reservoir	Acres	57851.32349		yes		Reservoir_All		USGS, NHD Plus		2019
	Playa	Acres							USGS, NHD Plus		2019
	Riparian Area	Acres	13568.99		yes		Riparian_All		Utah AGRC, WRLU		
	Spring/Seep	Points	503		yes		Springs		USGS, NHD Plus		2019
	Stream/River	Miles	9535.199		yes		Streams_All	Perennial, intermittent, and Ephemeral Streams	USGS, NHD Plus		2019
	Wetland	Acres	2366429.911		yes		Wetlands	All Wetlands)exept those whose Type=Lake and Class=Unconsolidated bottom and Regime = Permanently flooded)	US Fish and Wildlife Service, NWI		2019
	Communication Towers	Points						Mobile, land, microwave, paging, FM, antenna, TV,	Homeland Infra. Foundation-Level Data (HIFLD)		

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
	FM Transmision Towers	Points	6		yes	yes	HIFLC_FM_Transmission_Towers	HIFLD Data	HIFLD Data - https://hifld-geoplatform.opendata.arcgis.com/datasets/fm-transmission-towers	This dataset represents FM transmission tower locations as recorded by the Federal Communications Commission. Serve as base information for use in GIS systems for general planning, analytical, and research purposes. It is not intended for engineering work or to legally define FCC licensee data or FCC market boundaries. The material in these data and text files are provided as-is. The FCC disclaims all warranties with regard to the contents of these files, including their fitness. In no event shall the FCC be liable for any special, indirect, or consequential damages whatsoever resulting from loss or use, data or profits, whether in connection with the use or performance of the contents of these files, action of contract, negligence, or other action arising out of, or in connection with the use of the contents of these files. It is know that there are some errors in the licensing information - Latitude, Longitude and Ground Elevation data as well as frequency assignment data from which these files were generated.	9/17/2018
	Land Mobile Private Transmission Towers	Points	179		yes	yes	HIFLD_Land_Mobile_Private_Transmission_Towers	https://hifld-geoplatform.opendata.arcgis.com/datasets/land-mobile-private-transmission-towers	HIFLD Data	This layer serves as base information for use in GIS systems for general planning, analytical, and research purposes. It is not intended for engineering work or to legally define FCC licensee data or FCC market boundaries. The material in these data and text files are provided as-is. The FCC disclaims all warranties with regard to the contents of these files, including their fitness. In no event shall the FCC be liable for any special, indirect, or consequential damages whatsoever resulting from loss or use, data or profits, whether in connection with the use or performance of the contents of these files, action of contract, negligence, or other action arising out of, or in connection with the use of the contents of these files. It is known that there are some errors in the licensing information - Latitude, Longitude and Ground Elevation data as well as frequency assignment data from which these files were generated.	9/11/2018
	Cellular Towers	Points	14		yes	yes	HIFLD_Cellular_Towers	https://hifld-geoplatform.opendata.arcgis.com/datasets/cellular-towers	HIFLD Data	This feature class consists of cellular tower locations as recorded by the Federal Communications Commission, extracted from the FCC Universal Licensing System Database.	9/4/2019
	Land Mobile Broadcast Towers	Points	3		yes	yes	HIFLD_LandMobileBroadcastTowers	https://hifld-geoplatform.opendata.arcgis.com/datasets/land-mobile-broadcast-towers	HIFLD Data	This dataset represents the Land Mobile Broadcast tower locations as recorded by the Federal Communications Commission. Serve as base information for use in GIS systems for general planning, analytical, and research purposes. It is not intended for engineering work or to legally define FCC licensee data or FCC market boundaries. The material in these data and text files are provided as-is. The FCC disclaims all warranties with regard to the contents of these files, including their fitness. In no event shall the FCC be liable for any special, indirect, or consequential damages whatsoever resulting from loss or use, data or profits, whether in connection with the use or performance of the contents of these files, action of contract, negligence, or other action arising out of, or in connection with the use of the contents of these files. It is know that there are some errors in the licensing information - Latitude, Longitude and Ground Elevation data as well as frequency assignment data from which these files were generated.	9/11/2018

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
OTHER INFRASTRUCTURE	Land Mobile Commer Trans Towers	Points	2		yes	yes	HIFLD_LandMobileCommerTransTowers	https://hifld-geoplatform.opendata.arcgis.com/datasets/land-mobile-commercial-transmission-towers	HIFLD Data	This serves as base information for use in GIS systems for general planning, analytical, and research purposes. It is not intended for engineering work or to legally define FCC licensee data or FCC market boundaries. The material in these data and text files are provided as-is. The FCC disclaims all warranties with regard to the contents of these files, including their fitness. In no event shall the FCC be liable for any special, indirect, or consequential damages whatsoever resulting from loss or use, data or profits, whether in connection with the use or performance of the contents of these files, action of contract, negligence, or other action arising out of, or in connection with the use of the contents of these files. It is know that there are some errors in the licensing information - Latitude, Longitude and Ground Elevation data as well as frequency assignment data from which these files were generated.	9/11/2018
	HIFLD_PagingTransTowers	Points	5		Yes	yes	HIFLD_PagingTransTowers	https://hifld-geoplatform.opendata.arcgis.com/datasets/paging-transmission-towers	HIFLD Data	This feature class serves as base information for use in GIS systems for general planning, analytical, and research purposes. It is not intended for engineering work or to legally define FCC licensee data or FCC market boundaries. The material in the data and text files, used to create this geodatabase, is provided as-is. The FCC disclaims all warranties with regard to the contents of these files, including their fitness. In no event shall the FCC be liable for any special, indirect, or consequential damages whatsoever resulting from loss or use, data or profits, whether in connection with the use or performance of the contents of these files, action of contract, negligence, or other action arising out of, or in connection with the use of the contents of these files. It is known that there are some errors in the licensing information - Latitude, Longitude and Ground Elevation data as well as frequency assignment data from which these files were generated. This dataset represents the paging transmission tower locations.	9/11/2018
	Antenna Structure Registrate	Points	26		yes	yes	HIFLD_AntennaStructureRegistrate	https://hifld-geoplatform.opendata.arcgis.com/datasets/antenna-structure-registrate	HIFLD Data	This file is an extract of the Antenna Structure Registrate (ASR). The ASR consists of antenna structures that are more than 60.96 meters (200 feet) in height or located near an airport.	9/10/2018
	TV_Digital Station Transmitters	Points	10		Yes	yes	HIFLD_TV_DigitalStationTransmitters	https://hifld-geoplatform.opendata.arcgis.com/datasets/tv-digital-station-transmitters	HIFLD Data	This dataset represents an extract from the Consolidated Database System (CDBS) licensed by the Media Bureau. It consists of Digital Television broadcasters, including noncommercial educational TV broadcast stations and, where indicated, low power TV and TV translator stations in the United States, its Territories and possessions. TV broadcast, low power TV, and TV translator stations are assigned channels 6 MHz wide (see Rule Part: 47 CFR Part 73 Rule Part, Subpart E - TV).	4/30/2018
	TV Analog Station Transmitters	Points	5		yes	yes	HIFLD_TV_AnalogStationTransmitters	https://hifld-geoplatform.opendata.arcgis.com/datasets/tv-analog-station-transmitters	HIFLD Data	This dataset represents the locations of television analog station transmitters.	4/30/2018
	Microwave Service Towers	Points	186		yes	yes	HIFLD_Microwave_Service_Towers		Homeland Infra. Foundation-Level Data (HIFLD)	Less	9/11/2018
	Gas Stations	Points	29		google earth	yes			Google Earth Search		10/26/2020

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
	Sewer Pipeline	Miles/Value						Main lines only	Brigham City, Hyde Park, Hyrum, Nibley, North Logan, Logan, Perry, Smithfield, Richmond, and USU Logan Campus		
	Wastewater Facility	Points	2		yes	yes	GE_Wastewater_Facilities	Google Earth Search			
	Sewage Lagoons	Acres	199.01		yes	yes	WRLU_SewageLagoons	WRLU to areas	Utah AGRC/BRAG		
	Contaminated Land	Acres						Brownfield	Utah DEQ/DERR		
	Hazmat Material Storage	Points						Box Elder and Cache County data only	Cache County		
	Mines	Points						Mines, mine plants, prospector pits, gravel pits	USGS		
	Agricultural_Minerals_Operations	Points	2		yes	yes	HIFLD_Agricultural_Minerals_Operations				
	Crushed_Stone_Operations	Points	1		yes	yes	HIFLD_Crushed_Stone_Operations				
	Sand_and_Gravel_Operations	Points	2		yes	yes	HIFLD_Sand_and_Gravel_Operations				
	Construction_Minerals_Operations	Points	1		yes	yes	HIFLD_Construction_Minerals_Operations				
	Miscellaneous Ind Mine Ops	Points	3		yes	yes	HIFLD_MiscellaneousIndMinOps				
	Broadband Anchors	Points							AGRC		
	Solid Waste Facility	Points	6		Yes	yes	HIFLD_SolidWasteLandfillFacilities	HIFLD Data	HIFLD Data	During emergency response and recovery events, significant amounts of debris must be removed from impacted areas in order to facilitate access to these locations, begin the restoration process, and start the reconstruction of damaged and/or destroyed buildings in the impact zones. This dataset was developed in an attempt to locate Solid Waste facilities, to which debris can be directed. This layer was initiated, based on NAICS and SIC codes, by extracting landfills from the EPA Facility Registry System (FRS) contained in HSIP Gold 2012. This collection is being supplemented, edited, and amended by source data from individual states. Initial and previous collection efforts were limited to landfills that accept Municipal Solid Waste and/or Construction and Demolition Debris, but some of the features from the initial collection were found to have been misclassified; these have been adjusted accordingly (namely, a single C&D type versus Industrial waste facilities). All new solid waste features must be considered active facilities based on state source data or state permit at the time of release. Already-existing solid waste dataset features that have become inactive or closed since the initial release are noted as such. In this update 432 new facilities were added with the majority being Transfer Stations.	7/8/2020
	Airport/Heliport	Points	8		Yes	yes	AGRC_Airports & AGRC_Heliports	Airports and Heliports - https://gis.utah.gov/data/transportation/air/	FAA/AGRC/BRAG	Utah Airport Locations is a statewide point dataset that contains data from the Geographic Names Information System (GNIS). Attribute information include feature name, feature type, elevation, and USGS 24K scale quadrangle name in which the feature resides. Airport Locations consists of 111 point features that are categorized by feature type and are representative of airport locations found in the general GNIS dataset.	January 23, 2003

2021 Tooele County PDMP GIS Data Types and Information

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
TRANSPORTATION INFRASTRUCTURE	Bridge/Culvert/Underpass	Points/Value							National Bridge Inventory (HIFLD)/Railroad Bridges (HIFLD)/UDOT/Box Elder County/Cache County		
	Bridge	Points	30		yes	yes	HIFLD_NBridgeInventroy		https://hifld-geoplatform.opendata.arcgis.com/datasets/national-bridge-inventory-nbi-bridges	The NBI is a collection of information (database) describing the more than 600,000 of the Nation's bridges located on public roads as of December 31, 2018, including Interstate Highways, U.S. highways, State and county roads, as well as publicly-accessible bridges on Federal lands. It presents a State by State summary analysis of the number, location, and general condition of highway bridges within each State. Bridges found to be located outside their respective state have been reassigned to coordinates 0, 0.	3/20/2020
	Railroad Bridges	Points	37		yes	yes	HIFLD_Railroad_Bridges		https://hifld-geoplatform.opendata.arcgis.com/datasets/railroad-bridges	ridges-Rail in the United States According to The National Bridge Inspection Standards published in the Code of Federal Regulations (23 CFR 650.3), a bridge is: A structure including supports erected over a depression or an obstruction, such as water, highway, or railway, and having a track or passageway for carrying traffic or other moving loads. Each bridge was captured as a point which was placed in the center of the "main span" (highest and longest span). For bridges that cross navigable waterways, this was typically the part of the bridge over the navigation channel. If no "main span" was discernable using the imagery sources available, or if multiple non contiguous main spans were discernable, the point was placed in the center of the overall structure.	4/30/2018
	Culvert Railroad Bridge	Points	0								
	Culvert Bridge	Points	4								
	Railroad	Miles/Value	312.8		Yes	yes	AGRC_Rail_Lines		https://gis.utah.gov/data/transportation/railroads/ AGRC	Utah Railroads portray the location of railroads in the state of Utah derived from the most recent high resolution imagery available, including 1 foot resolution color imagery, NAIP, 1 meter resolution imagery, and 1 meter USGS DOQs. The dataset has been updated to include cartographic attribution for fine scale representations and also a differentiation between light, heavy, transit, and electrified tracks.	July, 2017
	Emergency Outlet Roads	Miles						Paved, regional/inter-county connections	BRAG/UDOT		
	Road	Miles/Value	6048.31		Yes	yes	Roads	All roads	AGRC, Local Government partners	Transportation.Roads is a multi-purpose statewide roads dataset for cartography and range based-address location. This dataset is also used as the base geometry for deriving the GIS-representation of UDOT's highway linear referencing system (LRS). A network analysis dataset for route-finding can also be derived from this dataset.	9-Oct-20
WATER INFRASTRUCTURE	Canal	Miles	1114.46		yes	yes	Ditch_Connector_Path	Open and piped	Utah DWR		
	Culinary Water Pipeline	Miles/Value						Main lines only.Some community data provided	Local Communities/Counties		
	Culinary Water Source	Points						Wells and springs	Utah DEQ		
	Water Tank	Points						Cache County data only	Cache County		
	Dams	Points	18		Yes	yes	SGID_DamInventory_2	Dam Code... 200, 250, 260, 300, 360, 500, OR Rating = Mod, High	Utah SGID Dams All	The dam inventory gives the identification, location, construction parameters, and the operation and maintenance history of the dams in Utah. Inventory Page	10/27/2020
	Groundwater Recharge	Acres						Primary and Secondary	AGRC		
	Groundwater Protection and Transient NC Zones	Acres	202.53		yes	yes	GWPZone_1, GWPZone_2, GWPZone_3, GWPZone_4	All zones and transient non-community	Utah DEQ		

394

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
								2021 Tooele County PDMP GIS Data Types and Information			

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
	Wells	Points	175		yes	yes	NHD_Wells				
	Well Logs	Points	5509		Yes		SGID_WellLogs	All included	Utah SGID	The WRPOD shapefile is a complete record of point of diversion locations taken from the Division's day to day operating database.	10/23/2020
	GIS DATA NOT INCLUDED	JUSTIFICATION									
	Rights-of-ways/Easements	Data is spotty or does not exist.									
	Mosquito abatement areas	Not really a natural hazard, and not really a critical facility.									
	Water pump storage system	No data.									
	Life flight locations	Already have hospitals/health care facility/fairgrounds/school locations.									
	Stock water lines/ponds/troughs	Can check - More of a private property issue, not directly local government.									
	Propane storage	No data									
	Solar farms	I'll check - Out of the scope of this project - unless community owned.									
	Hazards										
Earthquake	Occurrence										
	Earthquake Epicenters 1850 to 2016				yes		Earthquake Epicenters 1850 to 2016				
	Risk										
	Quarernary Faults				yes		Quarernary Faults				
	FaultHazardZone				yes		FaultHazardZone				
	WFH_Liquefaction				yes		WFH_Liquefaction				
Flood	FEMA Floodplain	acres			yes	yes	SGID_Floodplains				
	USU_Valley Bottom Study	acres			Yes	yes	Tooele_USU_Valley Bottom				
	Flood_Soils_Freq_Rare_Clip	acres			yes	yes	Flood_Soils_Freq_Rare_Clip				
	Great Salt Lake Flooding	acres			yes	yes	Great Salt Lake Flooding				
	SGID_DamInundation	acres			yes	yes	SGID_DamInundation				
Wildfire	Occurrence										
	Fire Perimiters_2018-2000	acres			yes		Fire Perimiters_2018-2000	Layers for 2000-2018	National Interagency Fire Center	https://data-nifc.opendata.arcgis.com/datasets/interagency-fire-perimeter-history-all-years	#######
	Risk										
	WHP_2018_GridRisk	Risk	1-5/Low-High		yes	yes	WHP_2018_GridRisk				
Landslide	Occurrence										#######
	Landslide_Point	Points	87		yes		Landslide_Point		https://usgs.maps.arcgis.com/home/item.html?id=b55cb063e4f240089986d6d437c1e926		#######

Data	TYPE	UNITS	Total	Value	Data?	Google Earth	Layer Names	Notes	Source	Discription	Year
Lan...	Landslide_Poly	total	98		yes		Landslide_Poly		https://usgs.maps.arcgis.com/home/item.html?id=b55cb063e4f240089986d6d437c1e926		
Avalanche											
Drought											
Erosion											
Hail											
Problem soils											
Radon											
Seiche											
Severe Weather											
Tornado	HIFLD_Hist_TornadoTracks	line			yes		HIFLD_Hist_TornadoTracks				
Tornado	Tornado_LD	acres			yes		Tornado_LD	Line Density on Historic paths. Output Cell Size 10 square kilometers. Search Radius 30000 square kilometers.			
Wildlife_Auto	Udot_TC_WildAuto	Points			yes		Udot_TC_WildAuto	Udot Crash Data. All Wildlife Collisions in the County.			
Wildlife_Auto	Udot_WAuto_PD	acres			yes		Udot_WAuto_PD	Cell size 10 acres. Radius 200 acres			
Wildlife_Auto	udot_wauto_kd	acres			yes		udot_wauto_kd	Cell Size 10 acres. Output cell values Densities. Method Planar.			
Alluvial Fans	Alluvial Fans	acres			yes		Alluvial Fans				
Debris Flow	WFH_DebrisFlow	Acres			yes		WFH_DebrisFlow	All Values High Medium and Low			

2021 Tooele County PDMP GIS Data Types and Information

396