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StrongNeighborhood

MAP MILWAUKEE – GIS SERVICES

General Information about Map Milwaukee GIS Services

This document provides general descriptions of Map Milwaukee GIS services provided by the City of Milwaukee. Keep current with information about all GIS resources at the [Map Milwaukee Portal](#).

Add our services by accessing the REST endpoint via a web browser and pasting the URL into the web mapping application when prompted. The REST endpoint is <https://milwaukeeemaps.milwaukee.gov/arcgis/rest/services>.

All services are projected using State Plane South NAD 27 (Spatial Reference 32054) and were developed using Esri ArcGIS Server 10.7.

The City of Milwaukee reserves the right to modify or remove GIS services from our web servers. As our needs evolve, so will our GIS services. Major changes to our services and any other announcements will be published to our Map Milwaukee website. *Last updated: 9/8/2020 hb*

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MAP MILWAUKEE – GIS SERVICES

Accela

Various map services that are tailored to work with Accela, our software for land management, for boundary and parcel purposes.

AGO

neighborhoods – layer consisting of neighborhood polygons defined by the Milwaukee Neighborhood Identification Project. Find more info at <https://city.milwaukee.gov/Strong/Neighborhoods>

Layers

- DCD_Neighborhoods

Opportunity_Zones – layer consisting of opportunity zones within the city. Opportunity zones are areas that benefit from a program that provides federal tax incentives to encourage investors to put their capital in low-income neighborhoods. Find more info at <https://city.milwaukee.gov/DCD/CityRealEstate/OpportunityZones>

Layers

- Opportunity_Zones

School_Districts – layers containing points of K-12 schools and school board district polygons. School district areas are decided by Milwaukee Public School directors and were last updated in 2011. Find more info at <https://mps.milwaukee.k12.wi.us/>

Layers

- MPS_Schools
- MPS_Schools_Board_Districts

Walk_100_Days – layer consisting of the past locations that Mayor Barrett has hosted a walk with the public for his initiatives toward a healthier Milwaukee.

Layers

- Events

assessor

assessor – layer consisting of residential neighborhood areas that the city assesses. Find more info at <https://city.milwaukee.gov/assessor>

- PublicationService.Assessor.ASSR_RES

census

ACS_5YR_2006_2010 – select datasets from the U.S. Census Bureau American Community Survey data for the City of Milwaukee. These layers represent the 5 year averages from 2006 to 2010. Statistical data is represented in choropleth maps and the margin of error is included in the attribute data.

For more info about the Census Bureau Survey, American Community Survey (ACS), and how to use the data, go to <https://www.census.gov/programs-surveys/acs/>.

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Layers

- 2010 census tract labels
- 2010 census tract boundaries
- Median household income – 2006-2010 average
- Percent below poverty level – 2006-2010 average
- Percent high school graduates – 2006-2010 average
- Unemployment rate – 2006-2010 average

Census2010 – select datasets from the U.S. Census Bureau containing 2010 census tracts and data. The statistical data is frequently used for choropleth maps. Find more info at <https://www.census.gov/>

Layers

- 2010 census tract labels
- 2010 census tract boundaries
- Population per square mile
- Percent of population that is minority
- Percent of population that is Hispanic
- Median age
- Housing units per square mile
- Average household size
- Percent of housing units that are vacant

DPW

DPW_Forestry – tree maintenance layer information from Department of Public Works – Forestry Department. EAB tree confirmations are places that have ash trees that have been confirmed to be infested with Emerald Ash Borer (EAB) by the City of Milwaukee. If multiple trees have been removed from the same parcels, multiple records are stacked on that location. The layer that contains the parcels identified with ash trees was from using aerial imagery in 2008. Find more info at <https://city.milwaukee.gov/mpw/operations/forestry>

Layers

- EAB tree confirmations
- Parcels with ash trees (2008)
- DPW tree maintenance districts

DPW_Operations – layers about sidewalks and parcels that are maintained by the City of Milwaukee from the Department of Public Works – Operations department. Find more info at <https://city.milwaukee.gov/mpw/operations>

Layers

- Non-assessable sidewalks (maintained by city)
- City maintained parcels – point locations
- City maintained parcels
- City maintained parcels – classified
 - Garden permits (maintained by city)

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- Sidewalk – no snow removal by City
- City maintained parcels

DPW_Sanitation – layers about administrative areas and collection/maintenance routes by the City of Milwaukee Department of Works – Sanitation department. Find more info at

<https://city.milwaukee.gov/sanitation>

Layers

- Sanitation districts
- Garbage
 - Garbage collection routes by day
 - A – garbage day route
 - B – garbage day route
 - C – garbage day route
 - D – garbage day route
 - E – garbage day route
 - other – garbage day route
 - Garbage collection routes
- Sanitation Cart Survey
- Recycling
 - Recycling collection routes – summer
 - Recycling collection routes – winter
- Snow removal
 - Emergency plow routes in the CBD
 - Snow plowing areas
- Leaf collection
 - Leaf collection areas
- Street sweeping
 - Street sweeping routes
 - Alley sweeping routes

DPW_streetcar – layers showing the stops and routes for the Hop streetcar. Find more info at

<https://thehopmke.com/>

Layers

- Streetcar_Stop
- Streetcar_Route

parking_meters – layer of parking meter locations with times, rates, etc. in the City of Milwaukee. Find more info <https://city.milwaukee.gov/Parking>

Layers

- parking_meters

paving_program – layers for street segments that are scheduled to be repaved the current year and the projects for the next three years. Find more info at <https://city.milwaukee.gov/mpw/supportforbusiness/Projects.htm>

Layers

- Paving projects – 2019
- Paving projects – 2020
- Paving projects – 2021

ECO

ECO_GI_planning – layers of the locations of reported basement backups during flood years, existing green infrastructure installations, and DPW basement connection areas from City of Milwaukee Environmental Collaboration Office. Find more info at <https://city.milwaukee.gov/eco>

Layers

- Basement backups by year
 - 2008 basement back up locations (1,785)
 - 2009 basement backup locations (658)
 - 2010 basement backup locations (11,600)
- Green Infrastructure
 - Green infrastructure – point features
 - Green infrastructure – line features
- DPW basement connection areas

MMSD_geography – layers provided by the Milwaukee Metropolitan Sewerage District of the watershed, sub-basins, and combined sewer areas that are in and around Milwaukee County. Find more info at <https://www.mmsd.com/>

Layers

- Watersheds
- Sub-Basins
- Combined sewer area

MMSD_GI_plan – layers provided by the Milwaukee Metropolitan Sewerage District that were used for City of Milwaukee’s green infrastructure plan. Find more info at <https://city.milwaukee.gov/eco>

Layers

- Total impervious area
 - Impervious – airport
 - Impervious – parking
 - Impervious – paved road
 - Impervious – structure
- Constraints
 - Set backs < 15 feet
 - High density area
 - Areas having slope > 12%
 - Depth to groundwater < 6 feet
 - Depth to bedrock < 6 feet

election

alderman – aldermanic district boundaries and labels with various options of how to display. Find more info at <https://city.milwaukee.gov/CommonCouncil>

Layers

- Aldermanic district labels
 - Districts and names
 - Aldermanic districts with names – long
 - Aldermanic districts with names – short
 - District numbers
 - Aldermanic district labels 25,000
 - Aldermanic district labels 150,000
- Aldermanic district outlines
 - Aldermanic district outlines
 - Aldermanic district outlines w/ district number labels
- Aldermanic districts
 - Aldermanic districts
 - Aldermanic districts w/ district number labels

election_geography – layers representing election administration and districts of representation that are within the City of Milwaukee. Find more at <https://city.milwaukee.gov/election> for local info, <http://legis.wisconsin.gov/> for state info, and <https://www.house.gov/> for U.S. Congress info.

Layers

- Election administration
 - Polling places
 - Voting wards
- Local representatives
 - Aldermanic districts
 - County supervisor districts
 - MPS school board districts
- State representatives
 - Wisconsin Senate districts
 - Wisconsin Assembly districts
- Federal representatives
 - U.S. Congressional district

GeoEventFleet

Various map services to assist Department of Works team with tracking city vehicles.

Locator

Various geocoding services that include searching by address and taxkey for parcels in the city. It is recommended that users use **Locator/AddressThenCenterline** if searching by address or **Locator/Taxkey** if searching by taxkey when they need to incorporate geocoding into their online mapping applications.

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MFD

MFD_RiskReduction – layers reflecting Milwaukee Fire Department’s Fire Risk Reduction Program to track their progress as well as their outreach efforts with the public. Find more info at <https://city.milwaukee.gov/MFD>

Layers

- Fire Department Stations
- Area of Responsibility – Engine
- Area of Responsibility – Truck
- Community Outreach

MPD

Crime Data and Crime Density – crimes that happened within the City of Milwaukee from 2015 to 2018. There are various layers to load in if a user wants the full dataset as some crimes are grouped apart from others. If you need assistance adding these layers in, please contact us at gis@milwaukee.gov

MPD geography – layers representing the different police districts from Milwaukee Police Department. Find more info at <https://city.milwaukee.gov/police>

Layers

- Milwaukee Police Department reporting districts
- Milwaukee Police Department squad areas
- Milwaukee Police Department districts

MPD stations

Layers

- Milwaukee police station

MPDtritech

Various layers to support Milwaukee Police Department GIS use.

planning

FEMA_floodplain – location and attributes for flood insurance risk zones on the Digital Flood Insurance Rate Map (DFIRM). Find more info at <https://msc.fema.gov/portal/home>

Layers

- FEMA floodway
- FEMA Special Flood Hazard Areas – High Risk

market_value_analysis – 2013 market value analysis provided by The Reinvestment Fund. The analysis described the characteristics of the block groups within the city. Find more info at https://www.policymap.com/data/our-data-directory/#mva_9907105

Layers

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- 2013 Market Value Analysis

special_districts – layers representing different districts and areas from planning and administration from the City of Milwaukee. They are organized into group layers based on the department/division that is responsible for the boundaries. Find more info at <https://city.milwaukee.gov/DCD/Planning>

Layers

- Department of City Development (DCD)
 - Architectural Review Board boundaries (ARB)
 - Area Plans
 - Business Improvement Districts (BID)
 - Neighborhoods
 - Neighborhood Improvement Districts (NID)
 - Redevelopment plans
 - Strategic Action Plans
 - Tax Incremental Districts (TID)
 - Opportunity Zones
 - MKE United Boundary
- Neighborhood Improvement Development Corporation (NIDC)
 - Targeted Investment Neighborhoods (TIN)
- Historic Preservation
 - Local historic sites
 - National historic sites
 - Local historic districts
 - National historic districts
 - Historic designation parcel classification
- Community Development Grants Administration
 - Neighborhood Revitalization Strategy Areas (NRSA)
 - Neighborhood Strategic Planning areas (NSP)

zoning – layers for zoning-related activities and decision making by the city’s Department of City Development. Find more info at <https://city.milwaukee.gov/DCD/Planning>

Layers

- Zoning overlays
 - Development Incentive Zones (DIZ)
 - Interim Study overlay zones
 - Lakefront overlay zone
 - Master sign overlay zones
 - Neighborhood Conservation overlay zones (NC)
 - Site Plan Review overlay zones (SPROZ)
 - Shoreland/wetland overlay zones
- Planned development
 - Detailed planned development (DPD)
 - General planned development (GPD)

- Zoning

property

foreclosed_properties – estimated of foreclosed properties based on MPROP values and classified as either city or bank owned. Find more info at <https://city.milwaukee.gov/DCD/CityRealEstate>

Layers

- Foreclosed properties – city owned
- Foreclosed properties – bank owned

govt_owned – properties owned by government entities determined by assessment class.

<https://city.milwaukee.gov/DCD/CityRealEstate>

Layers

- Government properties (tax exempt type)
 - Municipal properties
 - County properties
 - State properties
 - Federal properties

parcels_mprop – parcels with master property values and differentiated between occupancy status, tax status, foreclosure status, and land use types. Find more info at <https://itmdapps.milwaukee.gov/MyMilwaukeeHome/>

Layers

- Parcels – no MPROP
- Parcels – MPROP lite
- Parcels – MPROP full
- Assessment information
 - Assessment class
 - Residential assessed value
- Occupancy status
 - Residential owner occupied parcels
 - Residential non-owner occupied parcels
- Tax status
 - Tax delinquent parcels by years delinquent
 - Tax delinquent parcels
 - Tax exempt parcels by exempt class
 - Tax exempt parcels
- Foreclosed properties
 - Foreclosed properties – city owned
 - Foreclosed properties – bank owned
- Land use
 - Parks and parkways
 - Vacant lots
 - Schools – elementary, secondary

- Child day care centers
- Churched, religious organizations
- Land use groups

reference

cadastral – various layers used to show the extent and dimensions of parcels.

Layers

- Subdivision information
 - Subdivision Anno
 - Subdivision Polygon
- CSM information
 - CSM Anno
 - CSM Polygon
- Condo information
 - Condo Name Anno
 - Default
 - CondoPhase
 - Condo Polygon
- Cartographic lines
- Annotation
 - Parcel Dimension Anno
 - Cartographic Line Anno
 - Parcel Taxkey Anno
 - Right-of-Way Annotation

City_Sections – surveying section overlays for Milwaukee County.

Layers

- Quarter Sections
- Sixteenth Sections

eng_dimensions_anno – engineering dimensions and annotation for City of Milwaukee parcels.

Layers

- Subdiv Annotation
 - SubBlkNumber
 - SubLotNumber
 - SubName
- Engineering Dimensions
 - Parcel Dimensions
 - Cartographic Line
 - Right-of-Way

land_use_symbols – building footprints and symbols determined by their land use code.

Layers

- Building footprint
- Single family and duplex symbol
- Land use symbols and text
- Parking lot

reference_boundary – city limits and quarter sections for the City of Milwaukee.

Layers

- City limits
- Quarter section index

reference_map – various layers used for citywide reference boundary information.

Layers

- House numbers
- Taxkey labels
- Street names
- City limits
- Freeways
- Streets
- Waterways
- Parcels

regulation

CLA – locations of community living arrangement facilities within Milwaukee County as recorded by the Wisconsin Department of Health Services and Wisconsin Department of Children and Families. Find more info at <https://www.dhs.wisconsin.gov/>

Layers

- City of Milwaukee
 - Adult Family Home
 - Shelter Care
 - Group Home
 - Residential Care Center
 - Community-based Residential Facility
- Outside City of Milwaukee
 - Adult Family Home
 - Shelter Care
 - Group Home
 - Residential Care Center

- Community-based Residential Facility

license – licensed locations for various types of businesses. Find more info at <https://city.milwaukee.gov/licenses>

Layers

- Alcohol Licenses
- City ordinance 051177-buffers
- Cigarette Licenses
- Extended Hours Licenses
- Junk Licenses
- Loading Zone Permits
- Secondhand Dealer Licenses
- Secondhand Motor Vehicle and Bike Dealer Licenses
- Public Entertainment Premises Licenses
- Food licenses

StrongNeighborhood

StrongNeighborhood – various layers for the Strong Neighborhoods plan that addresses homes that have gone through foreclosure and abandonment. Find more info at <https://city.milwaukee.gov/Strong>

Layers

- Tax delinquent properties
 - 2+ years tax delinquent
 - 1 years tax delinquent
- Vacant Building
- City owned real estate – active inventory

Utilities

Various layers that support geoprocessing and geocoding within online mapping software.