MAP MILWAUKEE GIS SERVICES

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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: http://city.milwaukee.gov/mapmilwaukee. Detailed information about services and layers can be found at their REST endpoint using a web browser.

Map Milwaukee GIS services REST Endpoint: http://maps2.milwaukee.gov/ArcGIS/rest/services

All map services are projected using State Plane South NAD 27 (Spatial Reference 32054)

Map Milwaukee GIS services provided by the City of Milwaukee are developed using Esri ArcGIS Server 10.0. For more information, visit Esri's ArcGIS web site.

The City of Milwaukee reserves the right to modify or remove GIS services from our web servers. As our experience and needs evolve, so will our GIS services. Notifications of new services and changes to existing services will be published in the Map Milwaukee Newsletter found in the Map Milwaukee Portal, or via E-Notify.

Link to the City of Milwaukee's Disclaimer of Liability

MAP MILWAUKEE GIS SERVICES

CENSUS

Map services representing data published by the U.S. Census Bureau for the City of Milwaukee, Wisconsin.

ACS_5YR_2006-2010

Select datasets from the U.S. Census Bureau American Community Survey data for City of Milwaukee, Wisconsin. 5-year averages: 2006-2010. Data source: U.S. Census Bureau, American Community Survey, 2006-2010 five year averages.

Statistical data represented as choropleth maps. Margins of error included in attribute data.

For more information about the American Community Survey (ACS), how to use ACS data, and how the ACS differs from the decennial census, check out the Census Bureau's ACS page: Guidance for Data Users.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/census/ACS_5YR_2006-2010/MapServer

LAYERS

- 2010 census tract labels
- 2010 census tract boundaries
- Median household income – 2006-2010 average
    - *Average median household income in the past 12 months (in 2010 inflation-adjusted dollars) for years 2006-2010.*
    - *U.S. Census Bureau, American Community Survey - 2006-2010 5-year estimates, table B19013.*
- Percent below poverty level – 2006-2010 average
    - *Average percent of population, for whom poverty status is determined, that is below poverty level for years 2006-2010.*
    - *U.S. Census Bureau, American Community Survey - 2006-2010 5-year estimates, table S1701.*
- Percent high school graduates – 2006-2010 average
    - *Average percent of population age 25 years and over with a high school diploma or higher for years 2006-2010.*
    - *U.S. Census Bureau, American Community Survey - 2006-2010 5-year estimates, table S1501.*
- Unemployment rate – 2006-2010 average
    - *Average unemployment rate for years 2006-2010 - percent of civilian labor force, age 16 and over, that is unemployed.*
    - *U.S. Census Bureau, American Community Survey - 2006-2010 5-year estimates, table S2301.*

MAP MILWAUKEE GIS SERVICES

CENSUS2010

Map service containing 2010 census tracts and SF1 data – data source: U.S. Census Bureau.

Frequently requested choropleth maps.

Attribute data includes SF1 data beyond that represented in the map layers.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/census/Census2010/MapServer

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

MAP MILWAUKEE GIS SERVICES

DPW (MILWAUKEE DEPARTMENT OF PUBLIC WORKS)

GIS services representing information maintained by the City of Milwaukee Department of Public Works.

DPW_FORESTRY

Map information related to the work of City of Milwaukee, DPW-Forestry department.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/DPW/DPW_forestry/MapServer

LAYERS

- EAB tree confirmations
  - *Parcels that have had one or more ash trees confirmed as infested with Emerald Ash Borer (EAB) by the City of Milwaukee. Point is positioned at the parcel centroid. If multiple trees have been removed from the same parcel, multiple points/records exist, stacked on top of each other.*
- Parcels with ash trees (2008)
  - *Parcels identified as having an ash tree, based on imagery from August, 2008.*

DPW_OPERATIONS

Map layers supporting work of City of Milwaukee, Department of Public Works - Operations.

Data updated weekly.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/DPW/DPW_operations/MapServer

LAYERS

- Non-assessable sidewalks
  - *Polygons representing sidewalks in the City of Milwaukee where DPW Operations is responsible for maintenance (snow removal, etc.)*
- City maintained parcels
  - *Vacant, in rem, city-owned, and city-maintained parcels for which DPW Operations is responsible for maintenance.*
- City maintained parcels – classified
  - *Classifications maintained by DPW staff to support monitoring of maintenance work.*
  - Garden permits
    - *Properties for which a garden permit has been attained.*
  - Sidewalk – no snow removal by City
    - *Properties where sidewalk snow removal is not the responsibility of the City.*
  - City maintained parcels by type

MAP MILWAUKEE GIS SERVICES

DPW_SANITATION

Administrative areas, collection routes, maintenance routes/areas managed by City of Milwaukee Department of Public Works – Operations – Sanitation.

http://city.milwaukee.gov/mpw/divisions/operations/sanitationoperations

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/DPW/DPW_sanitation/MapServer

LAYERS

- Sanitation districts
- Garbage
    - Garbage collection routes by day
        - A – garbage day routes
        - B – garbage day routes
        - C – garbage day routes
        - D – garbage day routes
        - E – garbage day routes
        - other – garbage day routes
    - Garbage collection routes
- 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 areas

MAP MILWAUKEE GIS SERVICES

PAVING_PROGRAM

City of Milwaukee dime segments associated with DPW's street paving program.

Map service represents the current program year and the next three program years.

Data updated weekly.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/DPW/paving_program/MapServer

LAYERS

- Paving projects – 2015
- Paving projects – 2016
- Paving projects – 2017
- Paving projects – 2018

MAP MILWAUKEE GIS SERVICES

ECO (MILWAUKEE ENVIRONMENTAL COLLABORATION OFFICE)

Map services developed in support of the City of Milwaukee Environmental Collaboration Office.

MMSD_GEOGRAPHY

Developed for City of Milwaukee Environmental Collaboration Office.

Data provided by MMSD.

Reference geography used in MMSD's Regional Green Infrastructure Plan.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/ECO/MMSD_geography/MapServer

LAYERS

- Watersheds
- Sub-Basins
- Combined sewer area

MMSD_GI_PLAN

Developed for City of Milwaukee Environmental Collaboration Office.

Data provided by MMSD.

Map analysis used in MMSD's Regional Green Infrastructure Plan.

Identified as "dynamic" in preparation for potential cached instance of this service.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/ECO/MMSD_GI_plan/MapServer

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

MAP MILWAUKEE GIS SERVICES

ECO_GI_PLANNING

Maps used by City of Milwaukee Environmental Collaboration Office for green infrastructure planning.

REST ENDPOINT

> http://maps2.milwaukee.gov/ArcGIS/rest/services/ECO/ECO_GI_planning/MapServer

LAYERS

- Basement backups by year
    - 2008 basement backup locations (1,785)
    - 2009 basement backup locations (658)
    - 2010 basement backup locations (11,600)
- Green Infrastructure
    - Green infrastructure – point features
        - *Existing green infrastructure installations within the City of Milwaukee, as identified by the [Office of Environmental sustainability](#).*
        - *Current categories: bioswale, constructed wetland, green alleys streets and parking lots, green roof, greenseams, impervious surface removal, native landscaping, permeable pavement, rain garden, rainwater catchment, stormwater trees*
    - Green infrastructure – line features
        - *Existing green infrastructure installations within the City of Milwaukee, as identified by the [Office of Environmental sustainability](#).*
        - *Current categories: bioswale, permeable pavement, permeable paver, pervious concrete.*
- DPW basement connection areas

MAP MILWAUKEE GIS SERVICES

GIS services representing maps used to conduct elections and define government representative boundaries within the City of Milwaukee, Wisconsin. More information about elections within the City of Milwaukee can be provided by the Milwaukee Election Commission.

ALDERMAN

Map service containing City of Milwaukee aldermanic districts.

This map service provided multiple layers to provide the user cartographic options for displaying and labeling districts.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/election/alderman/MapServer

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 distrcts
    - Aldermanic districts
    - Aldermanic distrtricts w/ district number labels

MAP MILWAUKEE GIS SERVICES

ELECTION_GEOGRAPHY

Map service containing layers representing City of Milwaukee election administration and districts of representation.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/election/election_geography/MapServer

LAYERS

- **Election administration**
  - **Polling places**
    - Points representing City of Milwaukee voting locations.
    - One record/point exists for each voting ward. Therefore, if one polling place represents multiple voting wards, multiple points exist at the polling place, "stacked" directly on top of each other.
    - For more information: http://city.milwaukee.gov/election
    - Attribute columns
      - Voting ward number
      - Polling place address
      - Main voter entrance
      - Accessible voter entrance
      - Main voter parking
      - Accessible voter parking
  - **Voting wards**
    - City of Milwaukee voting ward boundaries as defined by 2012 redistricting.
    - Voting wards are the "building blocks" for all representative districts; voting wards do not cross any representative district boundaries.
    - For more information: http://city.milwaukee.gov/election
    - Attribute columns
      - Voting ward number
      - Aldermanic district
      - Polling place address
      - Main voter entrance
      - Accessible voter entrance
      - Main voter parking
      - Accessible voter parking

(election_geography continues…)

MAP MILWAUKEE GIS SERVICES

- **Local representatives**
  - o **Aldermanic districts**
    - ▪ City of Milwaukee Aldermanic district polygons – defined by 2012 city redistricting.
    - ▪ This layer can also be found in the <u>alderman</u> map service.
    - ▪ For more information: http://city.milwaukee.gov/CommonCouncil
    - ▪ Attribute columns
      - • District number
      - • Alderperson
  - o **County supervisor districts**
    - ▪ Milwaukee County supervisor districts within the City of Milwaukee – defined by 2012 county redistricting.
    - ▪ The boundaries of some Milwaukee supervisor districts extend beyond city limits, but are clipped at the city limits for this map service.
    - ▪ For more information: http://county.milwaukee.gov/CountyBoard
    - ▪ Attribute column
      - • County supervisory district number
  - o **MPS school board districts**
    - ▪ Milwaukee Public Schools school board districts - defined by 2012 city redistricting.
    - ▪ For more information: http://www2.milwaukee.k12.wi.us/governance/
    - ▪ Attribute column
      - • School board district number
- **State representatives**
  - o **Wisconsin Senate districts**
    - ▪ Wisconsin state Senate districts within the City of Milwaukee – defined by 2012 state redistricting.
    - ▪ The boundaries of some Milwaukee Senate districts extend beyond city limits, but are clipped at the city limits for this map service.
    - ▪ For more information: http://legis.wisconsin.gov/senate/
    - ▪ Attribute column
      - • Senate district number
  - o **Wisconsin Assembly districts**
    - ▪ Wisconsin state Assembly districts within the City of Milwaukee – defined by 2012 state redistricting.
    - ▪ The boundaries of some Milwaukee Assembly districts extend beyond city limits, but are clipped at the city limits for this map service.
    - ▪ For more information: http://legis.wisconsin.gov/assembly/
    - ▪ Attribute column
      - • Assembly district number

(election_geography continues…)

MAP MILWAUKEE GIS SERVICES

- **Federal representatives**
  - **U.S. Congressional district**
    - U.S. Congressional district within the City of Milwaukee – defined by 2012 redistricting.
    - The entirety of the City of Milwaukee is represented by one Congressional representative with district 4, though the boundaries of district 4 extend beyond Milwaukee city limits. The boundaries of district 4 are clipped at the Milwaukee city limits for this map service.
    - For more information: http://www.house.gov/
    - Attribute column
      - U.S. Congressional district number

GEOCODE

Geocoding services created to support location identification for addresses and taxkeys.

DIME_GEOCODE

Geocoding service based on DIME - Milwaukee's street centerline dataset. Matches offset 20 feet from street centerline.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/geocode/DIME_geocode/GeocodeServer

MAI_GEOCODE

Geocoding service based on MAI - Milwaukee's Master Address Index. This geocoder should find all valid City of Milwaukee addresses that are also associated with a valid taxkey. Matches will be placed at the associated parcel centroid. If a parcel has more than one address, all matching addresses will be placed at the same centroid point.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/geocode/MAI_geocode/GeocodeServer

MAITHENDIME_GEOCODE

Geocoding service for City of Milwaukee addresses.

Composite geocode service that first references MAI (Milwaukee's Master Address Index) and then DIME (Milwaukee's street centerline dataset). If an exact address match is found in MAI, the point will be placed at the centroid of the associated parcel. If no MAI match is found, the service will revert to interpolating along DIME segments (20 foot offset)

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/geocode/MAIthenDIME_geocode/GeocodeServer

MAP MILWAUKEE GIS SERVICES

TAXKEY_GEOCODE

Geocoding service for City of Milwaukee taxkeys. Matches will be placed at the associated parcel centroid.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/geocode/taxkey_geocode/GeocodeServer

MFD (MILWAUKEE FIRE DEPARTMENT)

Map services containing information managed by the Milwaukee Fire Department.

MFD/MFD_COMMUNITYFIRERISKREDUCTION

Map service illustrating the organization and progress of MFD's Community Fire Risk Reduction Program. This service is intended to help MFD track their progress as well as share their outreach efforts with the public.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/MFD/MFD_CommunityFireRiskReduction/MapServer

LAYERS

- Areas of responsibility
- FOCUS/community outreach

MPD (MILWAUKEE POLICE DEPARTMENT)

Map services containing information managed by the Milwaukee Police Department.

MPD_GEOGRAPHY

Administrative geography used by the Milwaukee Police Department (MPD).

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/MPD/MPD_Geography/MapServer

LAYERS

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

MAP MILWAUKEE GIS SERVICES

PLANNING

Services included in the planning folder represent information managed by various organizations and city departments. The information used in the planning services is used across departmental organization and is therefore group by the general "planning" function.

FEMA_FLOODPLAIN

Location and attributes for flood insurance risk zones on the DFIRM.

http://www.fema.gov/national-flood-insurance-program/map-service-center

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/planning/FEMA_floodplain/MapServer

LAYERS

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

MARKET_VALUE_ANALYSIS

The Reinvestment Fund's (TRF) Market Value Analysis describes the characteristics of the block groups within the city of Milwaukee. For more information about these indicators and how they were used to analyze Milwaukee's block groups, check out TRF's data directory: http://www.policymap.com/our-data-directory.html#mva_9907105

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/planning/market_value_analysis/MapServer

LAYERS

- 2013 Market Value Analysis
    - *Choropleth map representing TRF Market Value Analysis categories. Colors and categories defined by TRF.*
    - *Attribute fields*
        - *Median sales price of a residential home, 2011-12*
        - *Ratio of commercial land area to developed land area*
        - *Owner-occupied units as a % of all housing units*
        - *Public housing subsidies of rental stock as % of all rental units*
        - *Variability of sales prices, 2011-12*
        - *Foreclosure filings as % of residential sales*
        - *Residential water shutoffs as % of residential sales*
        - *New housing construction and rehabs > $10K as % of all residential parcels*
        - *Multi-unit properties and duplexes as % of total sales, 2011-12*
        - *Market value (2011)*

MAP MILWAUKEE GIS SERVICES

SPECIAL_DISTRICTS

A "catch-all" service with layers representing a number of different districts/areas used for various forms of planning and administration by the City of Milwaukee. These districts are often used by various City of Milwaukee departments, but are organized into group layers in this service based on the department or departmental unit that is responsible for defining the boundaries.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/planning/Special_Districts/MapServer

LAYERS

- Department of City Development (DCD)
    - Architectural Review Board boundaries (ARB)
        - *ARBs work as partner organizations with DCD Planning Administration.*
        - *http://city.milwaukee.gov/PlanningPermits*
    - Area Plans
        - *Area Plans are part of the City of Milwaukee's Comprehensive Plan. The City prepares plans and studies which guide development in individual neighborhoods; these documents include neighborhood redevelopment and action plans.*
        - *http://city.milwaukee.gov/Plansandstudies/AreaPlans.htm*
    - Business Improvement Districts (BID)
        - *http://city.milwaukee.gov/bids*
    - Neighborhoods
        - *Neighborhood boundaries are defined by Milwaukee Department of City Development.*
        - *These boundaries were defined to create mutually exclusive neighborhood districts for the entire city. They do not necessarily represent neighborhood association boundaries.*
    - Neighborhood Improvement Districts (NID)
        - *http://city.milwaukee.gov/DCD*
    - Redevelopment plans
        - *A Redevelopment Plan is a guiding document, approved by the Redevelopment Authority of the City of Milwaukee (RACM) and the Common Council, in accordance with the State of Wisconsin's blighted area law. This document creates a boundary, goals and requirements for the specific geographic area. These goals and requirements may include numerous issues such as blight designation, property acquisition, land use planning and design requirements.*
        - *http://city.milwaukee.gov/PlanningPermits/PlansStudies.htm*
    - Tax Incremental Districts (TID)
        - *These districts are sometimes referred to as tax incremental financing districts.*
        - *http://city.milwaukee.gov/TIDs*
- Neighborhood Improvement Development Corporation (NIDC)
    - Targeted Investment Neighborhoods (TIN)
        - *http://city.milwaukee.gov/TINs*
- Historic Preservation
    - Local historic sites
        - *Local historic sites administered by the Milwaukee Historic Preservation Commision*

- - - *http://city.milwaukee.gov/hpc/LocalDesignations*
  - National historic sites
    - *National historic sites defined by the National Register of historic Places.*
    - *http://www.cr.nps.gov/nr/*
  - Local historic districts
    - *Local historic districts administered by the Milwaukee Historic Preservation Commision*
    - *http://city.milwaukee.gov/hpc/LocalDesignations*
  - National historic districts
    - *National historic districts defined by the National Register of historic Places.*
    - *http://www.cr.nps.gov/nr/*
  - Historic designation parcel classification
    - *City of Milwaukee parcels that have local and/or national historic (NRHP) designation status. Parcels have been classified based on category of historic status:*
      - *1 - Both NRHP and local designation.*
      - *2 - NRHP only.*
      - *3 - Local designation and eligible for NRHP.*
      - *4 - Eligible for NRHP, but no local designation.*
      - *5 - Local designation, but no NRHP recognition.*
- Community Development Grants Administration
  - Neighborhood Revitalization Strategy Areas (NRSA)
  - Neighborhood Strategic Planning area (NSP)

MAP MILWAUKEE GIS SERVICES

ZONING

Map service with a comprehensive collection of maps used for zoning-related activities and decision-making by the City of Milwaukee Department of City Development.

More information about City of Milwaukee zoning, zoning overlays, and planned developments, can be found on the [Department of City Development's Planning page](#).

REST ENDPOINT

http:/maps2.milwaukee.gov/ArcGIS/rest/services/planning/Zoning/MapServer

LAYERS

- Zoning overlays
  - Development Incentive Zones (DIZ)
  - Interim Study overlay zones (IS)
  - Lakefront overlay zone
  - Master sign overlay zone
  - 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
  - Zoning
    - *Milwaukee zoning code of ordinances*

MAP MILWAUKEE GIS SERVICES

PROPERTY

The property folder contains GIS services that represent property boundaries and attribute information found in the City of Milwaukee Master Property File (MPROP).

FORECLOSED_PROPERTIES

It is important to note that the Foreclosed Property layers are not an official identification of foreclosures, but rather properties identified as probable foreclosures based on MPROP field values.

Properties identified as foreclosed using the following MPROP query:
(CONVEY_TYPE = 'SD' AND CONVEY_FEE = 0 AND CONVEY_DATE >= date '2006-01-01') OR(CONVEY_TYPE = 'IR' AND NR_UNITS >0 AND CONVEY_DATE >= date '2007-01-01')

Query developed by City of Milwaukee Department of City Development.

Updated weekly.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/property/foreclosed_properties/MapServer

LAYERS

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

MAP MILWAUKEE GIS SERVICES

GOVT_OWNED

"Government Ownership" is identified by a property's tax exempt status and subsequent exempt class, as it is stored in MPROP. Tax exemption information is tied to the assessment year, so all tax exemption data represents the previous calendar year. As a result, if a property undergoes a change in exempt status and/or exempt type this calendar year, that change will not be reflected in MPROP or this map service until next year.

This service does not represent of comprehensive inventory of City of Milwaukee Real Estate holdings.

Tax exempt status and classification data are maintained by the City of Milwaukee Assessor's Office.

Map service is updated weekly.

REST ENDPOINT

> http://maps2.milwaukee.gov/ArcGIS/rest/services/property/govt_owned/MapServer

LAYERS

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

MAP MILWAUKEE GIS SERVICES

PARCELS_MPROP

Parcels_mprop is a map service designed to be a central resource for the City of Milwaukee parcel map and MPROP attribute data. MPROP is the City of Milwaukee "Master Property File."

In addition to simple parcel boundary layers with MPROP attributes, we also included map layers representing commonly requested selections and/or classification of MPROP data.

Detailed MPROP documentation is available on the tabular data download page in the Map Milwaukee Portal: http://itmdapps.milwaukee.gov/gis/mprop/Documentation/mprop.pdf

In the parcel feature class, condominium parcel polygons are "stacked" – one polygon per condominium TAXKEY value.

All map layers have a minimum scale for visibility of 1:25,000.

REST ENDPOINT

> http://maps2.milwaukee.gov/ArcGIS/rest/services/property/parcels_mprop/MapServer

LEGEND

> http://maps2.milwaukee.gov/ArcGIS/rest/services/property/parcels_mprop/MapServer/legend

LAYERS

- **Parcels – no MPROP**
  - *Polygons representing tax parcels in the City of Milwaukee.*
  - *Attribute columns*
    - *TAXKEY*
      - *Tax identification number – assigned by the City of Milwaukee Assessor's Office*
      - *Unique identifier / primary key.*
    - *MAP_ID*
      - *Identification associated with the parcel. This number has a one-to-many relationship with taxkeys for condominiums – one map_id associated with many taxkeys.*
    - *PARCEL_TYPE*
      - *0 = standard parcel*
      - *1 = condominium parcel (multiple taxkeys)*
      - *2 = gap (no taxkey)*
      - *3 = overlap*
- **Parcels – MPROP_lite**
  - *City of Milwaukee parcel polygons - attribute table includes a partial set of commonly used columns from MPROP, plus a concatenated ADDRESS field.*
- **Parcels – MPROP_full**
  - *City of Milwaukee parcel polygons - attribute table includes every column from MPROP.*

MAP MILWAUKEE GIS SERVICES

- **Assessment information**
    - This group layer contains maps classified on information maintained and used by the [City of Milwaukee Assessor's Office](#).
    - **Assessment class**
        - Parcels classified by assessment class.
        - See Appendix A in [MPROP documentation](#) for class definitions.
    - **Residential assessed value**
        - Parcels that have been identified as residential (C_A_CLASS = 1) and classified based on current total assessed value (C_A_TOTAL).

- **Occupancy status**
    - Group layer with maps that represents residential parcels which are owner-occupied and non-owner-occupied. Occupancy status is determined by comparing the property address to owner mailing address.
    - **Residential owner occupied parcels**
        - Parcels that have been identified as owner occupied (OWN_OCPD = O) and residential (LAND_USE_GP = 1, 2, 3, or 4).
    - **Residential non-owner occupied parcels**
        - Parcels that have been identified as owner occupied (OWN_OCPD = N) and residential (LAND_USE_GP = 1, 2, 3, or 4).

- **Tax status**
    - This group layer contains maps representing properties based on tax related MPROP fields.
    - **Tax delinquent parcels by years delinquent**
        - City of Milwaukee parcel polygons with MPROP selection: TAX_DELQ IS NOT NUL
        - Classified into three categories based on TAX_DELQ – number of years tax delinquent.
        - Tax delinquency information provided by [City of Milwaukee Treasurer](#).
    - **Tax delinquent parcels**
        - City of Milwaukee parcel polygons with MPROP selection: TAX_DELQ IS NOT NULL.
        - Tax delinquency information provided by [City of Milwaukee Treasurer](#).
    - **Tax exempt parcels by exempt class**
        - City of Milwaukee parcels where the MPROP "C_A_CLASS" (current assessment class) code is equal to 9 (exempt) and classified based on EXM_CLASS.
        - EXM_CLASS is an attribute created specifically for this map layer. It groups values of C_A_EXM_TYPE into categories for mapping:
            - Religious institutions – C_A_EXM_TYPE = 010, 011, 012, 020, 030, 040, 050, 080
            - Educational institutions – C_A_EXM_TYPE = 100, 110, 101, 111, 113
            - Colleges and universities – C_A_EXM_TYPE = 090, 091, 092
            - Cemeteries – C_A_EXM_TYPE = 130
            - Benevolent institutions – C_A_EXM_TYPE = 160, 180, 190, 210, 220, 221, 222, 223, 230, 240, 250, 260, 270, 271, 272
            - Nonprofit hospitals – C_A_EXM_TYPE = 200, 201, 202
            - Labor temples – C_A_EXM_TYPE = 280
            - Property held for rehabilitation – C_A_EXM_TYPE = 181, 182
            - Property help in trust in public interest – C_A_ESM_TYPE = 245
            - Sports and entertainment facilities – C_A_EXM_TYPE = 405
            - Nonprofit theaters – C_A_EXM_TYPE = 407

- *Government - federal – C_A_EXM_TYPE = 310, 320, 321*
- *Government - state – C_A_EXM_TYPE = 340, 360, 330, 350, 351*
- *Government - county – C_A_EXM_TYPE = 390, 401, 400, 402, 410, 420, 430, 440*
- *Government - municipal – C_A_EXM_TYPE =480, 490, 500, 510, 520, 530, 540, 550, 570, 571, 660, 720, 750*
- *Railroads – C_A_EXM_TYPE = 780, 790, 800, 810*
- *Utilities – C_A_EXM_TYPE = 820, 830, 840, 850, 860, 900*
- *TBD – C_A_EXM_TYPE = null*
  - o **Tax exempt parcels**
    - *City of Milwaukee parcels where the MPROP "C_A_CLASS" (current assessment class) code is equal to 9 (exempt).*

- **Foreclosed properties**
  - o *It is important to note that the Foreclosed Property layers are not an official identification of foreclosures, but rather properties identified as probable foreclosures based on MPROP field values.*
  - o *Properties are identified as foreclosed using the following MPROP query: (CONVEY_TYPE = 'SD' AND CONVEY_FEE = 0 AND CONVEY_DATE >= date '2006-01-01') OR(CONVEY_TYPE = 'IR' AND NR_UNITS >0 AND CONVEY_DATE >= date '2007-01-01')*
  - o *Query defined by [City of Milwaukee Department of City Development](#).*
  - o **Foreclosed properties – city owned**
    - *Properties identified as foreclosed using the following MPROP query: CONVEY_TYPE = 'IR' AND NR_UNITS >0 AND CONVEY_DATE >= date '2007-01-01'*
  - o **Foreclosed properties – bank owned**
    - *Properties identified as foreclosed using the following MPROP query: CONVEY_TYPE = 'SD' AND CONVEY_FEE = 0 AND CONVEY_DATE >= date '2006-01-01'*

- **Land use selections**
  - o *Group layer contains maps representing commonly used parcel selections based on MPROP land use code. For a complete listing of land use codes and their definitions, refer to Appendix G in the [MPROP documentation](#).*
  - o **Parks and parkways**
    - *Parcels that have been identified as parks or parkways based on MPROP land use codes of 8870 (park) or 8871 (parkway) or 8860 (playground).*
  - o **Vacant lots**
    - *Parcels that have been identified as vacant lots based on MPROP land use codes of 8880 (vacant lot) or 8885 (vacant lot with improvements).*
  - o **Schools – elementary, secondary**
    - *Parcels that have been identified as elementary or secondary schools based on MPROP land use code 8211.*
  - o **Child day care centers**
    - *Parcels that have been identified as child day care centers based on MPROP land use codes 8350 (child day care services) and 8351 (child day care center).*
  - o **Churches, religious organizations**
    - *Parcels that have been identified as churches or religious organizations based on MPROP land use code 8661.*

MAP MILWAUKEE GIS SERVICES

- **Land use groups**
  - *Parcels classified by land use group. Land use group categories are general categories of land used code. A taxkey's land use group is automatically calculated based on its land use code.*
    - *1 = Residential - single family*
    - *2 = Residential – duplex*
    - *3 = Residential = multi-family*
    - *4 = Mixed: commercial and residential*
    - *5, 6, 7 = Commercial*
    - *8 = Manufacturing, construction, warehousing*
    - *9 = Transportation, communications, utilities*
    - *10 = Agriculture, fishing*
    - *11 = Exempt with building*
    - *12 = Exempt open space*
    - *13 = Vacant land*

REFERENCE

General resource GIS services.

LAND_USE_SYMBOLS

Map service containing City of Milwaukee land use symbols separated into 4 layers:

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/reference/land_use_symbols/MapServer

LAYERS

- Building footprints
- Single family and duplex symbols
- Land use symbols and text
- Parking lots

MAP MILWAUKEE GIS SERVICES

OVERVIEW

Simplified reference map used as the "overview" map in Map Milwaukee applications.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/overview/MapServer

LAYERS

- City limits
- Freeways
- Major streets
- Streets
- Waterways

REFERENCE_BOUNDARY

Map services representing citywide reference boundary information.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/reference/reference_boundary/MapServer

LAYERS

- City limits
  - City limits
  - City limits – dashed
- Quarter section index
  - Quarter sections 15,000
    - Quarter section boundaries and labels symbolized for viewing at 1:15,000 or greater.
  - Quarter sections
    - Quarter section boundaries and labels symbolized for viewing beyond 1:15,000.

MAP MILWAUKEE GIS SERVICES

REFERENCE_MAP

Reference map for the city of Milwaukee. Includes parcels, waterways, roadways, and city limits.

This map service is designed to replace the "base_map" service.

REST ENDPOINT

> http://maps2.milwaukee.gov/ArcGIS/rest/services/reference/reference_map/MapServer

LAYERS

- House numbers
  - *Available starting at 1:2,500*
- Taxkey labels
  - *Taxkey label visibility is based on map scale and size of parcel. Largest parcels start labeling at 1:7,000.*
- City limits
  - City limits
    - *symbolized with solid line*
  - City limits – dashed
    - *Symbolized with dashed line*
- Freeways
  - *Includes a number of scale-dependent layers withy symbolization designed for the designated scale.*
- Major streets
  - *Includes a number of scale-dependent layers withy symbolization designed for the designated scale.*
- Streets
  - *Includes a number of scale-dependent layers withy symbolization designed for the designated scale.*
- Waterways
- Parcels
- Background
  - City polygon mask
    - *City limits polygon with white fill to act as optional mask.*

MAP MILWAUKEE GIS SERVICES

REGULATION

CLA (COMMUNITY LIVING ARRANGEMENTS)

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. Locations within and outside Milwaukee City limits have been separated into their own layers.

https://www.dhs.wisconsin.gov/guide/cbrf.htm

https://www.dhs.wisconsin.gov/guide/afh.htm

http://dcf.wisconsin.gov/childrenresidential/directories/CW-Directories.HTM

REST Endpoint

> http://maps2.milwaukee.gov/ArcGIS/rest/services/regulation/CLA/MapServer

Layers

- Adult community living arrangements - within City of Milwaukee
- Adult community living arrangements - outside City of Milwaukee
- Child residential facilities - within City of Milwaukee
- Child residential facilities - outside City of Milwaukee

MAP MILWAUKEE GIS SERVICES

LICENSE

City of Milwaukee license maps. For details about licenses issued by the City of Milwaukee, see the City of Milwaukee City Clerk's Licenses Division: http://city.milwaukee.gov/license

REST ENDPOINT

> http://maps2.milwaukee.gov/ArcGIS/rest/services/planning/license/MapServer

LAYERS

Note: Attribute data is consistent across all map layers in the license map service. For complete attribute data field information, see the "Attribute Data" section following this map layer listing.

- Alcohol licenses
  - Alcohol licenses
    - *Locations of alcohol licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid.*
    - *Alcohol license have been symbolized based on the following license types:*
      - *Class A intoxicating liquor*
      - *Class A fermented malt beverage*
      - *Class A liquor and malt*
      - *Class B fermented malt beverage*
      - *Class B tavern*
      - *Class C wine retailer*
  - *City ordinance 051177* – buffers
    - *Per city ordinance, council file number 051177, properties with a currently-unexpired Class "A" retailer's intoxicating liquor license (off-premise consumption), Class "B" retailer's intoxicating liquor license (on-premise consumption) or Class "A" fermented malt beverage retailer license (off-premise consumption), have been buffered by 300 feet.*
- Cigarette licenses
  - *Locations of cigarette licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
- Extended hours licenses
  - *Locations of extended hours licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
- Junk licenses
  - *Locations of junk licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
  - *Junk licenses have been symbolized based on the following license types:*
    - *Junk collector*
    - *Junk dealer*
    - *Junk dealer additional storage yard*

- Loading zone permits
  - *Locations of loading zone permits issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
  - *Loading zone permits have been symbolized based on the following license types:*
    - *Loading zone*
    - *Nonprofit loading zone*
    - *Disabled loading zone*
- Secondhand dealer licenses
  - *Locations of secondhand dealer licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
  - *Secondhand dealer licenses have been symbolized based on the following license types:*
    - *Pawnbroker*
    - *Secondhand dealer*
    - *Precious metal and gem dealer*
- Secondhand motor vehicle and bike dealer licenses
  - *Locations of secondhand motor vehicle and bike dealer licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
  - *Secondhand motor vehicle and bike dealer licenses have been symbolized based on the following license types:*
    - *Secondhand motor vehicle dealer*
    - *Parts only – secondhand motor vehicle dealer*
    - *Used bicycle, tire or battery dealer*
- Public entertainment premises licenses
  - *Locations of public entertainment premises licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
- Food licenses
  - *Locations of food licenses issued by the City of Milwaukee. Points are placed at the associated parcel centroid*
  - *Food licenses have been symbolized based on the following license types:*
    - *Food dealer – retail*
    - *Food dealer – restaurant*
    - *Food distributor*
    - *Meal service establishment/community food program*
    - *Food manufacturer*

ATTRIBUTE DATA

Attribute data is consistent across all map layers in the license map service.

- Parcel feature ID
  - *ID number used by the City of Milwaukee GIS section to uniquely identify a parcel polygon.*
- Legal entity
  - *Corporate name of license holder.*
- Trade name
  - *Business/trade name associated with license.*

- Licensee
    - *License applicant.*
- Address
    - Address associated with a license, *as it is stored in the [City of Milwaukee License Division](#) database.*
- Taxkey
    - *Taxkey of the property where a license is granted, as it is stored in the [City of Milwaukee License Division](#) database.*
- Aldermanic district
    - *City of Milwaukee Aldermanic district in which the license is granted.*
    - *To view aldermanic district boundaries in Map Milwaukee, add the following map layer:* **alderman** *or* **election_geography***.*
- Police district
    - *City of Milwaukee Police district in which the license is granted.*
    - *To view MPD district boundaries in Map Milwaukee, add the following map layer:* **MPD_geography***.*
- License type code
- License type
- License type name
- Total capacity
- Room capacity
- Effective date
- Granted date
- Issued date
- Expiration date

MAP MILWAUKEE GIS SERVICES

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STRONGNEIGHBORHOODS

Map services supporting the City of Milwaukee Strong Neighborhoods Plan.

STRONGNEIGHBORHOODS

Map service designed to support Map Milwaukee: Strong Neighborhoods. For more information about Mayor Barrett's Strong Neighborhoods Plan: http://city.milwaukee.gov/Directory/mayor/Initiatives/SNP.htm

All layers in this map service are selected from and include attribute data from the Strong Neighborhoods Master Dataset. Complete data dictionary. The definition query used for each map layer is included in the layers list below.

REST ENDPOINT

http://maps2.milwaukee.gov/ArcGIS/rest/services/StrongNeighborhoods/StrongNeighborhoods/MapServer

LAYERS

- Tax delinquent properties
  - *Points representing tax delinquent properties based on MPROP, placed at parcel centroids. If one parcel has multiple delinquent taxkeys (e.g. a condo parcel), corresponding points are stacked at the parcel centroid.*
  - 2+ years tax delinquent
    - *Definition query: MPROP_TAX_DELQ >= 2*
  - 1 year tax delinquent
    - *Definition query: MPROP_TAX_DELQ = 1*
- Vacant buildings
  - *Parcels with one or more vacant buildings as recorded by DNS. City ownership is identified by properties in the active inventory of the DCD Real Estate database.*
  - *Definition query: DNS_VACANT = 'Y'*
- Pending bank foreclosures
  - *Centroids of parcels where a mortgage foreclosure has been filed (lis pendens).*
  - *Definition query: DNS_PREFORECLOSURE = 'Y'*
- Pending demolitions
  - Pending demolitions – secondary structure
    - *Centroids of parcels with pending secondary structure demolitions - managed by the Department of Neighborhood Services. City ownership defined by "active inventory" status in DCD Real Estate database.*
    - *Definition query: DNS_PNDNG_SECONDARY_DEMO = 'Y'*
  - Pending demolitions – primary structure
    - *Centroids of parcels with pending primary structure demolitions - managed by the Department of Neighborhood Services. City ownership defined by "active inventory" status in DCD Real Estate database.*
    - *Definition query: DNS_PNDNG_PRIMARY_DEMO = 'Y'*

MAP MILWAUKEE GIS SERVICES

- *More…*

MAP MILWAUKEE GIS SERVICES

- City owned real estate –active inventory
  - *Active inventory = Properties in the City of Milwaukee DCD Real Estate database where records are identified as active, not public property (e.g. fire stations, libraries), and have a municipal owner name of "City of Milwaukee."*
  - *Additional information regarding property inspections, disposition, and marketing history can be found associated with these layers when using [Map Milwaukee: Strong Neighborhoods Plan](#) by clicking on/identifying the points in these layers and viewing additional details. This additional information is current and provided by the Milwaukee Department of City Development.*
  - Improved properties
    - *Definition query: DCD_RE_ACTIVE_INVENTORY = 'Y' AND (MPROP_LAND_USE Not In (8880,8885,7523,7525,4010,4011))*
  - Vacant lots
    - *Definition query: DCD_RE_ACTIVE_INVENTORY = 'Y' AND (MPROP_LAND_USE In (8880,8885,7523,7525,4010,4011))*
  - All properties
    - *Not used in Map Milwaukee: Strong Neighborhoods Plan*
    - *Definition query: DCD_RE_ACTIVE_INVENTORY = 'Y'*