

MS Tracts Population Density 2020

Shapefile



Tags

population density, tracts, Mississippi

Summary

MS Tracts 2020 with Population Density

Description

MS Tracts 2020 with Population Density - This layer was created by MARIS staff October 2021. We added the ALAND20 and AWATER20 values to get total area of the polygon in square meters. Then divided this by 2589988.1103 to convert to square miles (formula from ANSII). Then we divided the attribute P0010001 (total population) by the newly calculated number of square miles to get population density.

Credits

US Census Bureau, MARIS

Use limitations

There are no access and use limitations for this item.

Extent

West -91.737508 **East** -88.095839

North 35.005536 **South** 30.129162

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE boundaries, society

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Hide Topics and Keywords ▲

Citation ►

TITLE MS Tracts Population Density 2020

CREATION DATE 2021-10-14 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

US Census Bureau, MARIS

ARCGIS ITEM PROPERTIES

* NAME MS_Tracts_PopDensity_2020

* SIZE 15.053

* LOCATION file:///\\DESKTOP-

TP9LNVL\F\$\DATA\00_CENSUS\MS_Tracts_PopDensity_2020.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -91.737508

* EAST LONGITUDE -88.095839

* NORTH LATITUDE 35.005536

* SOUTH LATITUDE 30.129162

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 318558.025054

* EAST LONGITUDE 650997.953624

* SOUTH LATITUDE 1038674.181780

* NORTH LATITUDE 1577862.780447

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983

* PROJECTION NAD_1983_Mississippi_TM

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102609

X ORIGIN -5122200

Y ORIGIN -12297100
XY SCALE 450339697.45066422
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.001
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 3814
WELL-KNOWN TEXT
PROJCS["NAD_1983_Mississippi_TM",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",1300000.0],PARAMETER["Central_Meridian",-89.75],PARAMETER["Scale_Factor",0.9998335],PARAMETER["Latitude_Of_Origin",32.5],UNIT["Meter",1.0],AUTHORITY["EPSG",3814]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 3814
- * CODESPACE EPSG
- * VERSION 6.17.1(10.0.0)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME MS_Tracts_PopDensity_2020
- * OBJECT TYPE composite
 - * OBJECT COUNT 878

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME MS_Tracts_PopDensity_2020
- * FEATURE TYPE Simple
 - * GEOMETRY TYPE Polygon
 - * HAS TOPOLOGY FALSE
 - * FEATURE COUNT 878
 - * SPATIAL INDEX TRUE
 - * LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2021-10-14 07:43:26

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.8\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField MS_PopDensitybyTract_2020 SqMiles "([ALAND20]+ [AWATER20]) / 2589988.1103" VB #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2021-10-14 07:50:27

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.8\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

```
CalculateField MS_PopDensitybyTract_2020 PopDensity "[P0010001] / [SqMiles]" VB #
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME Shapefile
VERSION 10.8.1

TRANSFER OPTIONS

* TRANSFER SIZE 15.053

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT MS_Tracts_PopDensity_2020 ►

* TYPE Feature Class
* ROW COUNT 878

DEFINITION

Population density for Mississippi Tracts

DEFINITION SOURCE

MARIS

FIELD FID ►

* ALIAS FID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0

- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

FIELD Shape ►

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field Shape ▲

FIELD STATEFP20 ►

- * ALIAS STATEFP20
- * DATA TYPE String
- * WIDTH 2
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
State Code

- DESCRIPTION SOURCE
US Census Bureau

- DESCRIPTION OF VALUES
28

Hide Field STATEFP20 ▲

FIELD COUNTYFP20 ►

- * ALIAS COUNTYFP20
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

County FIPS Code

DESCRIPTION SOURCE

US Census Bureau

RANGE OF VALUES

MINIMUM VALUE 001
MAXIMUM VALUE 163

Hide Field COUNTYFP20 ▲

FIELD TRACTCE20 ►

- * ALIAS TRACTCE20
- * DATA TYPE String
- * WIDTH 6
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Tract Code

DESCRIPTION SOURCE

US Census Bureau

RANGE OF VALUES

MINIMUM VALUE 0
MAXIMUM VALUE 999999

Hide Field TRACTCE20 ▲

FIELD GEOID20 ►

- * ALIAS GEOID20
- * DATA TYPE String
- * WIDTH 12
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

US Census Geo ID code

DESCRIPTION SOURCE

US Census Bureau

RANGE OF VALUES

MINIMUM VALUE 0
MAXIMUM VALUE 999999999999

Hide Field GEOID20 ▲

FIELD NAME20 ►

* ALIAS NAME20
* DATA TYPE String
* WIDTH 7
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Name of Census Tract

DESCRIPTION SOURCE
US Census Bureau

DESCRIPTION OF VALUES
name

Hide Field NAME20 ▲

FIELD NAMELSAD20 ►

* ALIAS NAMELSAD20
* DATA TYPE String
* WIDTH 13
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Type of name

DESCRIPTION SOURCE
US Census Bureau

DESCRIPTION OF VALUES
Census Tract

Hide Field NAMELSAD20 ▲

FIELD MTFCC20 ►

* ALIAS MTFCC20
* DATA TYPE String
* WIDTH 5
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Geography Code for Tract

DESCRIPTION SOURCE

US Census Bureau

DESCRIPTION OF VALUES

G5020

Hide Field MTFCC20 ▲

FIELD FUNCSTAT20 ►

- * ALIAS FUNCSTAT20
- * DATA TYPE String
- * WIDTH 1
- * PRECISION 0
- * SCALE 0

Hide Field FUNCSTAT20 ▲

FIELD ALAND20 ►

- * ALIAS ALAND20
- * DATA TYPE Double
- * WIDTH 14
- * PRECISION 14
- * SCALE 0

FIELD DESCRIPTION

Area of land in square meters

DESCRIPTION SOURCE

US Census Bureau

RANGE OF VALUES

MINIMUM VALUE 0
MAXIMUM VALUE 9999999999999999

Hide Field ALAND20 ▲

FIELD AWATER20 ►

- * ALIAS AWATER20
- * DATA TYPE Double
- * WIDTH 14
- * PRECISION 14
- * SCALE 0

FIELD DESCRIPTION

Area of water in square meters

DESCRIPTION SOURCE

US Census Bureau

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 999999999999999

Hide Field AWATER20 ▲

FIELD INTPTLAT20 ►

* ALIAS INTPTLAT20

* DATA TYPE String

* WIDTH 11

* PRECISION 0

* SCALE 0

Hide Field INTPTLAT20 ▲

FIELD INTPTLON20 ►

* ALIAS INTPTLON20

* DATA TYPE String

* WIDTH 12

* PRECISION 0

* SCALE 0

Hide Field INTPTLON20 ▲

FIELD SUMLEV ►

* ALIAS SUMLEV

* DATA TYPE String

* WIDTH 254

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

US Census Summary Level for Tract

DESCRIPTION SOURCE

US Census Bureau

DESCRIPTION OF VALUES

140

Hide Field SUMLEV ▲

FIELD GEOCODE ►

* ALIAS GEOCODE

* DATA TYPE String

* WIDTH 254

* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
US Census geography code

DESCRIPTION SOURCE
US Census Bureau

DESCRIPTION OF VALUES
State+County+Tract

Hide Field GEOCODE ▲

FIELD GEOID ►
* ALIAS GEOID
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Full GeoID

DESCRIPTION SOURCE
US Census Bureau

DESCRIPTION OF VALUES
1400000US+State+County+Tract

Hide Field GEOID ▲

FIELD NAME ►
* ALIAS NAME
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Full census tract name

DESCRIPTION SOURCE
US Census Bureau

DESCRIPTION OF VALUES
"Census Tract "+ TRACTE20

Hide Field NAME ▲

FIELD BASENAME ▶

- * ALIAS BASENAME
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION
Tract number

DESCRIPTION SOURCE
US Census Bureau

DESCRIPTION OF VALUES
Full tract number for example 9504.01, 9504.02 etc.

Hide Field BASENAME ▲

FIELD LOGRECNO ▶

- * ALIAS LOGRECNO
- * DATA TYPE Double
- * WIDTH 16
- * PRECISION 15
- * SCALE 6

FIELD DESCRIPTION
Logical record number

DESCRIPTION SOURCE
US Census Bureau

Hide Field LOGRECNO ▲

FIELD P0010001 ▶

- * ALIAS P0010001
- * DATA TYPE Double
- * WIDTH 16
- * PRECISION 15
- * SCALE 6

FIELD DESCRIPTION
Total population for this tract

DESCRIPTION SOURCE
US Census Bureau

RANGE OF VALUES
MINIMUM VALUE 0
MAXIMUM VALUE 9999999999999999

[Hide Field P0010001 ▲](#)

FIELD SqMiles ►

- * ALIAS SqMiles
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 10
- * SCALE 3

FIELD DESCRIPTION

Area in square miles
(ALAND20+AWATER20) / 2589988.1103

DESCRIPTION SOURCE

MARIS

RANGE OF VALUES

MINIMUM VALUE 0.0
MAXIMUM VALUE 9999999.999

[Hide Field SqMiles ▲](#)

FIELD PopDensity ►

- * ALIAS PopDensity
- * DATA TYPE Double
- * WIDTH 11
- * PRECISION 10
- * SCALE 6

FIELD DESCRIPTION

Population density
P0010001 / SqMiles

DESCRIPTION SOURCE

MARIS

RANGE OF VALUES

MINIMUM VALUE 0
MAXIMUM VALUE 9999.999999

[Hide Field PopDensity ▲](#)

[Hide Details for object MS_Tracts_PopDensity_2020 ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

- * METADATA LANGUAGE English (UNITED STATES)
- * METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2021-10-14

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2021-10-14 12:44:29

LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-10-14 13:08:01

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2021-10-14 12:54:48

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

ORGANIZATION'S NAME U.S. Department of Commerce, U.S. Census Bureau, Geography Division, Spatial Data Collection and Products Branch

CONTACT'S ROLE resource provider

CONTACT INFORMATION ►

PHONE

VOICE 301-763-1128

FAX 301-763-4710

ADDRESS

TYPE physical

DELIVERY POINT 4600 Silver Hill Road, Stop 7400

CITY Washington DC

POSTAL CODE 20233-7400

COUNTRY US

E-MAIL ADDRESS geo.geography@census.gov

[Hide Contact information ▲](#)

METADATA CONTACT

INDIVIDUAL'S NAME Steve Walker

ORGANIZATION'S NAME MARIS

CONTACT'S POSITION GIS Operations Manager

CONTACT'S ROLE distributor

[Hide Metadata Contacts ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL MS_Tracts_PopDensity_2020
ENTITY TYPE DEFINITION
Population density for Mississippi Tracts
ENTITY TYPE DEFINITION SOURCE MARIS

ATTRIBUTE
ATTRIBUTE LABEL FID
ATTRIBUTE DEFINITION
Internal feature number.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Sequential unique whole numbers that are automatically generated.

ATTRIBUTE
ATTRIBUTE LABEL Shape
ATTRIBUTE DEFINITION
Feature geometry.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Coordinates defining the features.

ATTRIBUTE
ATTRIBUTE LABEL STATEFP20
ATTRIBUTE DEFINITION
State Code
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
28

ATTRIBUTE
ATTRIBUTE LABEL COUNTYFP20
ATTRIBUTE DEFINITION
County FIPS Code
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 001
RANGE DOMAIN MAXIMUM 163

ATTRIBUTE
ATTRIBUTE LABEL TRACTCE20
ATTRIBUTE DEFINITION
Tract Code
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 0
RANGE DOMAIN MAXIMUM 999999

ATTRIBUTE
ATTRIBUTE LABEL GEOID20
ATTRIBUTE DEFINITION
US Census Geo ID code
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 0
RANGE DOMAIN MAXIMUM 999999999999

ATTRIBUTE
ATTRIBUTE LABEL NAME20
ATTRIBUTE DEFINITION
Name of Census Tract
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
name

ATTRIBUTE
ATTRIBUTE LABEL NAMELSAD20
ATTRIBUTE DEFINITION
Type of name
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Census Tract

ATTRIBUTE
ATTRIBUTE LABEL MTFCC20
ATTRIBUTE DEFINITION
Geography Code for Tract
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
G5020

ATTRIBUTE
ATTRIBUTE LABEL FUNCSTAT20

ATTRIBUTE
ATTRIBUTE LABEL ALAND20
ATTRIBUTE DEFINITION
Area of land in square meters
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN
RANGE DOMAIN MINIMUM 0
RANGE DOMAIN MAXIMUM 999999999999

ATTRIBUTE
ATTRIBUTE LABEL AWATER20
ATTRIBUTE DEFINITION
Area of water in square meters
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
RANGE DOMAIN

RANGE DOMAIN MINIMUM 0
RANGE DOMAIN MAXIMUM 99999999999999

ATTRIBUTE
ATTRIBUTE LABEL INTPTLAT20

ATTRIBUTE
ATTRIBUTE LABEL INTPTLON20

ATTRIBUTE
ATTRIBUTE LABEL SUMLEV
ATTRIBUTE DEFINITION
US Census Summary Level for Tract
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
140

ATTRIBUTE
ATTRIBUTE LABEL GEOCODE
ATTRIBUTE DEFINITION
US Census geography code
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
State+County+Tract

ATTRIBUTE
ATTRIBUTE LABEL GEOID
ATTRIBUTE DEFINITION
Full GeoID
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
1400000US+State+County+Tract

ATTRIBUTE
ATTRIBUTE LABEL NAME
ATTRIBUTE DEFINITION
Full census tract name
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
"Census Tract "+ TRACTE20

ATTRIBUTE
ATTRIBUTE LABEL BASENAME
ATTRIBUTE DEFINITION
Tract number
ATTRIBUTE DEFINITION SOURCE US Census Bureau
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Full tract number for example 9504.01, 9504.02 etc.

ATTRIBUTE
ATTRIBUTE LABEL LOGRECNO
ATTRIBUTE DEFINITION
Logical record number

ATTRIBUTE DEFINITION SOURCE US Census Bureau

ATTRIBUTE

ATTRIBUTE LABEL P0010001

ATTRIBUTE DEFINITION

Total population for this tract

ATTRIBUTE DEFINITION SOURCE US Census Bureau

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM 0

RANGE DOMAIN MAXIMUM 9999999999999999

ATTRIBUTE

ATTRIBUTE LABEL SqMiles

ATTRIBUTE DEFINITION

Area in square miles (ALAND20+AWATER20) / 2589988.1103

ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM 0.0

RANGE DOMAIN MAXIMUM 9999999.999

ATTRIBUTE

ATTRIBUTE LABEL PopDensity

ATTRIBUTE DEFINITION

Population density P0010001 / SqMiles

ATTRIBUTE DEFINITION SOURCE MARIS

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM 0

RANGE DOMAIN MAXIMUM 9999.999999

[Hide Entities and Attributes ▲](#)