

Rev. 9/21/19 - DFD

Resources for accessing maps (esp. digital) of Hopewell Township and Mercer County, plus New Jersey, including historic maps and atlases, and more recent geological, topographic, and aerial imagery

Available maps of interest are listed under each source. See the Chronology for full details on individual maps.

See:

- Hopewell Maps Gallery - Gallery of historic maps
- Hopewell Maps Chronology - Chronological listing of reference maps
- Hopewell Map Sets - Display map sets from the Hopewell Valley Historical Society and Hopewell Museum

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Mercer County

Mercer County, New Jersey was created on February 22, 1838 from Burlington, Hunterdon, Middlesex, and Somerset Counties. The county was named in honor of Continental Army General Hugh Mercer (1726–1777), who died at the Battle of Princeton. Mercer County is bordered by Somerset County (north), Middlesex County (northeast), Monmouth County (east), Burlington County (south), Bucks County, Pennsylvania

Princeton University Library

Overview of land surveying methods, wall maps and atlases
library.princeton.edu/njmaps

New York Public Library

Campbell, Tony. "Map History / History of Cartography." (c2004)
<http://www.maphistory.info/index.html>

Library of Congress. "American Memory: Map Collections 1500-2004." (2004)
<http://memory.loc.gov/ammem/gmdhtml/gmdhome.html>

NYPL. "American Shores: Maps of the Middle Atlantic Region to 1850." (c2002)
<http://www.nypl.org/research/midatlantic/>

New Jersey County Map Formation by Year - MapGeeks

<https://mapgeeks.org/newjersey/>

Old Maps Online

www.oldmapsonline.org

Search portal for historical maps from five different map libraries in Europe and the United States

MrSID Image Format (GIS)

MrSID image file format (Multi-resolution Seamless Image Database) - Extensis (LizardTech)

Wavelet-based image compression for GIS

Viewers: Extensis browser plug-in, IrfanView, ACDSee, ESRI ArcGIS for Desktop, ...

Extensis GeoViewer

software for viewing raster, vector, WMS, and LiDAR imagery

select image bands, OpenStreetMap layers, WMS server

Pro: Print, export tiles, projections, measurement, search

www.extensis.com/support/geoviewer-9

Library of Congress - Maps

Catalog <https://catalog.loc.gov/>

Catalog contains 17 million catalog records for books, serials, manuscripts, maps, music, recordings, images, and electronic resources in the Library of Congress collections.

Digital Collections <https://www.loc.gov/collections/>

Collections with Maps <https://www.loc.gov/maps/collections/>

Panoramic Maps <https://www.loc.gov/collections/panoramic-maps/about-this-collection/>

American Memory Collections: Original Format: Maps

[http://memory.loc.gov/cgi-](http://memory.loc.gov/cgi-bin/query/S?ammem/collections:@field(FLD003+@band(origf+Map)):heading=Original+Format%3a+Maps)

[bin/query/S?ammem/collections:@field\(FLD003+@band\(origf+Map\)\):heading=Original+Format%3a+Maps](http://memory.loc.gov/cgi-bin/query/S?ammem/collections:@field(FLD003+@band(origf+Map)):heading=Original+Format%3a+Maps)

"Rights & Access - The maps in the Map Collections materials were either published prior to 1922, produced by the United States government, or both (see catalogue records that accompany each map for information regarding date of publication and source). The Library of Congress is providing access to these materials for educational and research purposes and is not aware of any U.S. copyright protection (see Title 17 of the United States Code) or any other restrictions in the Map Collection materials."

*** Map of Mercer County, New Jersey (1849) - Otley and Keily**

*** New Historical Atlas / "Combination Atlas" Map of Mercer County, New Jersey (1875)**

*** Sanborn Fire Insurance Maps (JPEG 1612 x 1912) - Hopewell & Pennington**

<https://www.loc.gov/collections/sanborn-maps/>

New York Public Library

Maps of North America - <https://digitalcollections.nypl.org/collections/maps-of-north-america>

Holds 400,000+ maps, atlases and books about cartography

Lawrence H. Slaughter map collection (Middle Atlantic)

NYPL. "American Shores: Maps of the Middle Atlantic Region to 1850." (c2002)

<http://www.nypl.org/research/midatlantic/>

David Rumsey Map Collection (Stanford)

www.davidrumsey.com

David Rumsey donated his entire physical map collection to Stanford University

Started in 1980, contains more than 150,000 maps, over 92,000 items online

President of Cartography Associates, a digital publishing company based in San Francisco,
and Chairman of Luna Imaging

Map projects in Google Earth, Google Maps and the virtual world of Second Life

Luna Imaging's LUNA software

View multiple maps from different time periods side-by-side, create collections

<https://www.lunaimaging.com/insight/index.html>

Georeferencer allows georectification of maps by site users

overlay historic maps on modern maps or other historic maps

<https://www.davidrumsey.com/view/georeferencer>

Export - JPG w/ text metadata; Full image downloads in MrSID format

Thumbnail - Small up to 96 px, Medium 192 px, Large 384 px

Small up to 768 px, Medium 1536 px, Large 3072 px, Extra Large 6144 px, Extra-extra Large 12288 px

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New Jersey (501 maps) - Mercer County, N.J. (4 maps)

www.davidrumsey.com/luna/servlet/view/search?search=SUBMIT&q=mercercounty%2C+new+jersey

* State Atlas of New Jersey (1872)

* **Topographical Map of Mercer County (1872)**

* Combined Atlas of the State of New Jersey and the County of Hudson (1873)

G.M. Hopkins, Civil Engineer; G.M. Hopkins & Co., Philadelphia. 1873

* **Atlas of New Jersey, Counties of Hunterdon, Somerset and Mercer**

* Atlas of New Jersey. Geological Survey of New Jersey (1888)

Julius Bien & Co., New York, 1888

* **Topographical map of Flemington from Somerville and Princeton to the Delaware (1887)**

* **A Topographical Map of the Vicinity of Trenton, New Brunswick and Bordentown (1887)**

New Jersey State Archives - Map Collection

Map Collection, ca. 1666-1990s

<https://www.nj.gov/state/archives/catsnjsa.html>

New Jersey State Archives Searchable Catalog

https://wwwnet-dos.state.nj.us/DOS_ArchivesDBPortal/NJSArchivesCatalogMain.aspx

Imaged Collections - Over 7,100 images from our photograph and manuscript collections

<https://www.nj.gov/state/archives/searchimgcollections.html>

Guide to Services: "The State Archives maintains accessioned public records that have been legally transferred into the ownership of the Archives. It is the statutory obligation of the Archives to provide access and reproduction of such materials under the public records law and the Open Public Records Act of 2001."
"Reproduced images used in publications and websites or otherwise widely distributed should credit New Jersey State Archives, Department of State."

New Jersey State Library - Map Collection

DSpace - New Jersey State Library Digital Collections

Digital Jerseyana Collection / New Jersey State Publications Digital Library

<https://dspace.njstatelib.org/xmlui/>

Electronic New Jersey State government publications along with digital books, photographs and postcards about New Jersey but not published by state government (Jerseyana). Materials dates from 1704

"The State of New Jersey has made the content of these pages available to the public and anyone may view, copy or distribute State information found here without obligation to the State, unless otherwise stated on particular material or information to which a restriction on free use may apply. However, the State makes no warranty that materials contained herein are free of Copyright or Trademark claims or other restrictions or limitations on free use or display." <https://dspace.njstatelib.org/xmlui/handle/10929/9>

NJSL - Map Collection

Maps available at very high resolution (20Kx20K, 300M) and more compressed (300x300, 30K)

<https://dspace.njstatelib.org/xmlui/handle/10929/34093>

*** Map of the Vicinity of Philadelphia and Trenton from Actual Surveys (1860) - Lake and Beers**

The New Jersey Historical Society - Archives

<https://jerseyhistory.org/browse-the-archives/>

Newark, NJ

John Hart collection, Photo collections - "Hopewell scenes"

West Jersey History Project

www.westjerseyhistory.org/maps/revwarmaps/hessianmaps/index2.shtml

*** Hessian Manuscript Map of Central New Jersey (1779)**

Princeton University Library - Maps

Map Collection - Lewis Library - all post-1919 flat maps, and all topographic maps of any period

<https://library.princeton.edu/lewis>

Historic Maps Collection - Historic Maps Collection - 16th-century through World War I

<https://rbsc.princeton.edu/divisions/historic-maps-collection>

Nova Cæsarea: A Cartographic Record of the Garden State, 1666-1888

<https://library.princeton.edu/njmaps/>

- overview of land surveying methods, historical (17th & 18th C)

- state wall maps (late 1800s), first wall maps & atlases of N.J.'s counties, Jersey shore

Sanborn Maps of New Jersey (1884-1950)

Out-of-copyright Sanborn maps of New Jersey digitized by the Princeton University Library

<https://rbsc.princeton.edu/topics/sanborn-maps-new-jersey>

Historical Background Maps: Road Maps

* **The Traveller's Directory: Shewing the Main Road from Phila. to N.Y. (1802) - Moore and Jones**

* **Automobile Driving and Trolley Map of Mercer County, New Jersey (1905) - Mueller**

* **Mueller's Automobile Driving and Trolley Map of Mercer County, New Jersey (1918) - Mueller**

Mercer County Maps

library.princeton.edu/njmaps/counties/mercerc.html

* **Map of Mercer County New Jersey Entirely from Original Surveys (1849) - Otley and Keily**

* **Map of Mercer County, New Jersey (1875) - Everts & Stewart**

* **Map of Mercer County, New Jersey (1903) - Pugh & Downing**

Rutgers University - Special Collections - Digital Collections

Special Collections and University Archives

<http://www.libraries.rutgers.edu/scua>

Online Sources for Maps and Map Data - <https://mapmaker.rutgers.edu/page1links.html>

Digital Collections <https://www.libraries.rutgers.edu/scua/scua-rucore-portal>

N.J. Maps and Aerials

<https://www.libraries.rutgers.edu/scua/maps>

Nearly 700 maps and aerial views, and New Jersey Broadsides from the mid-to-late 1800s.

(University login to access some content)

Guide to New Jersey Maps

Listing of maps depicting New Jersey, surrounding areas, and regions and municipalities

https://www.libraries.rutgers.edu/sites/default/files/scua/guide_to_new_jersey_maps_in_sc-ua.pdf

[Minimal Hopewell - Museum 1875 map]

Rutgers MapMaker / Cartography

<https://mapmaker.rutgers.edu/>

Map images, most from Rutgers' Special Collections

Historic Maps of New Jersey <http://mapmaker.rutgers.edu/MAPS.html>

Mercer County https://mapmaker.rutgers.edu/MERCER_COUNTY/MercerCounty.html

*** Topographical Map of Mercer County (1872) - Beers** - in State Atlas of New Jersey

United States Geological Survey (USGS) Topographic Maps

<https://www.usgs.gov/products/maps/topo-maps>

General-use maps at medium scales that present elevation (contour lines), hydrography, geographic place names, and a variety of cultural features. Current-generation topographic maps are created from digital GIS databases, and are branded "US Topo." Historic maps originally published as paper documents in the period 1884-2006 are available as scanned images

The National Map

<https://www.usgs.gov/core-science-systems/national-geospatial-program/national-map>

Collaboration of USGS and other Federal, State, and local partners
Topographic information, uses ranging from recreation to scientific analysis to emergency response
National Map Viewer (TNM Viewer) - navigate base maps and create your own map

National Map Advanced Viewer

<https://viewer.nationalmap.gov/advanced-viewer/>

Controls at top & bottom

**Basemaps - USA Topo (zoom 15), Streets (z16), Light Gray (z16) - shows Castle buildings (c2013)
Topo, Imagery +Topo, Shaded Relief**

**Layers - Names, Structures, Transportation, Boundaries, Hydro,
3DEP Elevation - Hillshade Stretched (z16) [also Contours, Elevation]**

USGS 1:24000-scale Quadrangle for Hopewell, NJ 1954

Published Date: 1954-01-01, Metadata Updated: 2018-07-31

Format: GeoTIFF (9.30 MB), Extent: 7.5 x 7.5 minute

Query - Lidar Point Cloud By State - NJ

NJ_MERCERCO_2009

National Map Download Client - Explore available datasets / products

<https://viewer.nationalmap.gov/basic/>

Primary application for accessing products of the USGS

US Topo & Natl. Topo, Data including Boundaries, structures, names, elevation (Lidar)

Select datasets (left) - Search location (e.g., 08525) - Click "Find Products" in pop-up

Map

US Topo

Historical Topographic Maps

Data

Boundaries - National Boundary Dataset

Elevation Products (3DEP)

1 arc-sec DEM, 1 m DEM, 1/3 a-s, 1/9 a-s, 2 a-s (Alaska), 5 m (Alaska), Contours

Elevation Source Data (3DEP) - Lidar, IfSAR

Lidar Point Cloud (LPC) - original 3D info for DEM

DEM Source (OPR) - original bare earth DEMs derived from lidar point cloud source

Ifsar Digital Surface Model (DSM) / Ifsar Orthorectified Radar Image [Alaska]

Hydrography (NHDPlus HR, NHD, WBD)

Imagery - NAIP Plus (1 meter to 1 foot)

Map Indices

Names - Geographic Names Information System (GNIS)

Small-scale Datasets
Structures - National Structures Dataset
Topo Map Data and Topo Stylesheet
Transportation
Woodland Tint

3D Elevation Program (3DEP) Data - free of charge and without use restrictions
lidar point clouds and digital elevation models (DEMs) at various horizontal resolutions
<https://www.usgs.gov/core-science-systems/ngp/3dep/about-3dep-products-services>

DEM Source (OPR) - Data Products - Hopewell - Download
USGS NED - 2008 - 2018 - to 15 x 15 min.

Lidar Point Cloud (LPC)- Data Products - Hopewell - Download LAS, LAZ
- USGS Lidar Point Cloud (LPC) NJ_MercerCo_2009_000184 2014-09-11 LAS
Published Date: 2014-09-11, Metadata Updated: 2018-10-05
Format: LAS (153.50 MB)
<https://www.sciencebase.gov/catalog/item/582732c0e4b01fad86f8157a>
- USGS Lidar Point Cloud (LPC) NJ_Hunterdon_2006_000005 2014-09-11 LAS
Published Date: 2014-09-11, Metadata Updated: 2018-10-05
Format: LAS (72.18 MB)
<https://www.sciencebase.gov/catalog/item/5826fff6e4b01fad86f2280b>

Landsat Data

<https://www.usgs.gov/land-resources/nli/landsat>
<https://www.usgs.gov/faqs/how-do-i-search-and-download-landsat-data>

Space-based images of the Earth's land surface
Multiple spectral bands and spatial resolutions

Earth Explorer - Search for data sets

<https://earthexplorer.usgs.gov/>
Criteria - 08525 / Use Map to draw rectangle
Data Sets - +Prefilter
- High Res Ortho (2+ block squares), xRadar, Digital Elev large
- Aerial Photo Single Frames, NAPP/NAPP/NHAP (x zoom)
Addl Criteria - NJ
Results -

US Topo Series (since 2009)

<https://www.usgs.gov/core-science-systems/national-geospatial-program/us-topo-maps-america>
"US Topo" refers to quadrangle topographic maps published in 2009 and later. These maps are modeled on the familiar 7.5-minute quadrangle maps of the period 1947-1992, but are mass-produced from national GIS databases on a repeating cycle. Repackage geographic information system (GIS) data in traditional map form.

Historical Topo Series / Historical Topographic Map Collection (HTMC)

<https://www.usgs.gov/core-science-systems/ngp/topo-maps/historical-topographic-map-collection>
USGS 1:250,000 scale and larger maps printed between 1884 and 2006
Published in PDF format with geospatial extensions (GeoPDF), patented by TerraGo Technologies.
Available for download free of charge from these applications:

- **National Map Download Client** - primary application for accessing products of the USGS
<https://viewer.nationalmap.gov/basic/>
- **TopoView** - Best visual overview of the HTMC. GeoTIFF, JPG, KMZ and GeoPDF formats
- USGS Store sells printed maps, and USGS maps and publications not included in US Topo / HTMC

topoView - Topographic Maps since 1879

About Topo Maps

See www.historicaerials.com/topo-maps, Map Legend www.historicaerials.com/topo-map-key
Contours lines that join points of equal elevation - contour interval is distance between lines
Natural features - mountains and hills, rivers and streams, and type of vegetation
Manmade structures - railway lines, buildings, utilities, houses, cities, schools, roads and highways
First maps - scales of 1:250,000 for 1-degree and 1:125,000 for 30-minute areas.
By 1894 most maps were 15-minute areas at a scale of 1:62,500
1947 - 1992 - 7.5 minute quadrangle maps, 1:24,000 scale - almost 200 features in 5 color groups
- Vegetation (green), water (blue), public land survey lines and densely built-up areas (red),
roads and buildings (black), contours and other elevation features (brown), + feature changes (purple)

Lidar Point Cloud - USGS National Map 3DEP Downloadable Data Collection

<https://catalog.data.gov/dataset/lidar-point-cloud-usgs-national-map>
Search - Map Servers

State of New Jersey - Maps / GIS

NJ Maps - Index

<https://www.state.nj.us/nj/about/maps/>

NJDOT Geographic Information System

<https://www.state.nj.us/transportation/gis/map.shtm>

Mercer County Map (PDF) - <https://www.state.nj.us/transportation/gis/maps/mercer.pdf>

NJ Geographic Information Network (NJGIN)

<https://nj.gov/njgin/>

Facilitates open sharing of geospatial content in the NJ GIS community

Order Imagery and LiDAR - Provide external hard drive to load with data

Turn around time will depend on the work load at NJOGIS; no specific time can be guaranteed.

Imagery Data

<https://nj.gov/njgin/edata/imagery/index.html>

LiDAR Elevation Data

<https://nj.gov/njgin/edata/elevation/index.html>

NJ Office of GIS (OGIS) - ArcGIS Viewer - Gallery

<http://newjersey.maps.arcgis.com/home/index.html>

State of New Jersey Maps - Available Map Imagery Data

Map Index / Gallery

Access available maps through NJGIN (map index) or OGIS (galley + tile layers):

- NJGIN - Description and index - Natural color, Infrared, wetlands

<https://nj.gov/njgin/edata/imagery/index.html>

- NJ Office of GIS (OGIS) - ArcGIS Viewer - Gallery of Maps and Layers

Use left column to select Maps / Layers of interest - Feature Layers, Tile Layers, Map Image Layers

<http://newjersey.maps.arcgis.com/home/index.html>

General Map Information

Sources - National Agriculture Imagery Program (NAIP) - 4-band ortho imagery - agricultural growing seasons

Formatted to UTM coordinate system using NAD83. May contain as much as 10% cloud cover

Formats - Open Geospatial Consortium Web Map Services (WMS), Web Mercator - WMTS (Cached)

Resolutions - Ground sample distance (GSD) ortho imagery (e.g. 1 meter)

- Rectified within +/- (e.g. 6) meters to true ground at a 95% confidence level

- vs 1 ft = Nominal scale 1:2400 (1" = 200'), 1 foot pixel resolution

Map Viewers

Map Viewer (ArcGIS online) - Overlay Layers, Print / Download

- Click Details for left column, Click center Contents button to see layers
- Choose basemap (from Gallery link) - Click Basemap (Home > Gallery)
- Scroll / zoom to area of interest
- Edit Map - Click Modify Map (top right)
- Add layers - Add > Search for Layers (e.g., NJ Color / Light Gray Basemap for feature overlay)
- Mix layers - Checkbox to show/hide, "..." to set Transparency
- Rearrange layers - Move to Basemap - Move up/down
- Print - new page - than can download image

<http://newjersey.maps.arcgis.com/home/webmap/viewer.html>

Open w/ Map - <http://newjersey.maps.arcgis.com/home/webmap/viewer.html?webmap=<ID>>

Scene Viewer (3D)

Pan/rotate in 3D, Daylight (date, time, shadows) , Measure

<http://newjersey.maps.arcgis.com/home/webscene/viewer.html>

Open w/ Map - <http://newjersey.maps.arcgis.com/home/webscene/viewer.html?layers=<ID>>

ArcGIS Desktop (ArcMap, ArcGIS Pro Software)

New Jersey Maps - LiDAR Elevation Data Products

<https://nj.gov/njgin/edata/elevation/index.html>

NJ 10 foot digital elevation model (DEM)

preview and download images - links to WMS services- cloudy - invalid URL

<https://njogis-newjersey.opendata.arcgis.com/datasets/new-jersey-10-foot-dem>

underlying image (web) service

<https://maps.nj.gov/arcgis/rest/services/Elevation/nj10ftdem/ImageServer>

- New Jersey LiDAR and DEM Datasets

GIS polygon layer defining geographic extents for LiDAR and DEM products in New Jersey

<http://newjersey.maps.arcgis.com/home/item.html?id=7339adf322b148d68c12461b78ef287d>

- **Mercer 2009 (USGS)** Horizontal Confidence 1 Meter, Vertical Accuracy (FVA 95%) .185 m. (.363 ft.)
- **DVRPC 2015** Horizontal Confidence 1 Meter, Vertical Accuracy (FVA 95%) .0925 m. (.297 ft.)
- **Statewide DEM** Vertical Accuracy (FVA 95%) .571 ft

Tile Layers - Backgrounds for additional layers, transparent overlay

<http://newjersey.maps.arcgis.com/home/gallery.html?focus=layers-weblayers-tiles>

- **NJ Color Basemap** - Basic map features with vivid color symbology

<http://newjersey.maps.arcgis.com/home/item.html?id=37079c23f740423a8be5257350d60218>

- **NJ Light Gray Basemap** - Basic map features with muted grayscale symbology

<http://newjersey.maps.arcgis.com/home/item.html?id=42c6549e1d324f7c960996a04a14a151>

- **NJ Parcels - with MOD-IV Tax Block/Lots (plus data downloads)**

<https://newjersey.maps.arcgis.com/home/item.html?id=d543ddcc1e6844319ffa826fee52fccf>

Map Image Layers

- **NJ Color Topo 24K Basemap** - WMS - (NJ Color Topo 24K)
Digital Raster Graphics (DRG) of USGS 7.5 minute topographic quadrangles - polychromatic topo
<http://newjersey.maps.arcgis.com/home/item.html?id=381c6d348f9f4a808bea9a2e2767d828>
- **NJ Color Historical Maps Basemap** - not ortho - WMS - (NJ Historical Maps)
Historical USGS topographic maps of New Jersey surveyed from 1881 to 1924
Scanned 15 minute (1:62,500 scale) historical USGS topographic paper maps - tiled
Not registered - spatial inaccuracies exceed 200 feet in several locations
<http://newjersey.maps.arcgis.com/home/item.html?id=ce6397d3b577407d99c08f7ecba11d44>
- **NJ 2017 Natural Color Imagery - NAIP - 1 m** - WMS (NJ 2017 Natural Color)
1 m GSD, ortho imagery rectified within +/- 6 meters at 95% conf
<http://newjersey.maps.arcgis.com/home/item.html?id=da3a29ca6600447ea8923d6226cee934>
- **NJ 2015 Natural Color Imagery (Cached - Web Mercator) - 1 ft** - WMTS - (Natural_Color_2015)
Preferred general-use live public access method
<http://newjersey.maps.arcgis.com/home/item.html?id=2e35eb33c1fe4c13b2ce00d818b21e80>
- **NJ 2015 Natural Color Imagery - 1 ft** - WMS - (Natural 2015)
<http://newjersey.maps.arcgis.com/home/item.html?id=3c1090054fee4a498514659d57bfe4ae>
- **NJ 2015 Natural Color Imagery Basemap (Cached) - 1 ft** - WMTS - (Orthos_Natural_2015_NJ)
<http://newjersey.maps.arcgis.com/home/item.html?id=fff790901a1041d8a3dc45d123cb0ead>
- **NJ 2015 Infrared Imagery - 1 ft** - WMS
Near-infrared, red, and green bands from the 4-band project in a false-color RGB composite.
<http://newjersey.maps.arcgis.com/home/item.html?id=d5b67310564e443099478f50056f5118>
- **NJ 2012 Natural Color Imagery - 1 ft** - WMS
<http://newjersey.maps.arcgis.com/home/item.html?id=153e2820ad454ffcbfddd9fda4ec3d7e>
- **NJ 2012 Natural Color Imagery Basemap (WMS) - 1 ft** - WMS - (NJ 2012 Natural Color)
<http://newjersey.maps.arcgis.com/home/item.html?id=c5dfa2b2a12a49d29bccda44005bfcd>
- **NJ 2010 Natural Color Imagery Basemap - NAIP - 1 m** - WMS (NJ 2010 Natural Color)
<http://newjersey.maps.arcgis.com/home/item.html?id=ae9da7228eb941d1b5951a56441d7696>
- **NJ 2007 Natural Color Imagery - 1 ft** - WMS - (NJ 2007 Natural Color)
<http://newjersey.maps.arcgis.com/home/item.html?id=4981ffa51a0c456f8be0ee56026722b8>
- **NJ 2007 Infrared Imagery Basemap - 1 ft** - WMS - (NJ 2007 Infrared)
<http://newjersey.maps.arcgis.com/home/item.html?id=0b0282397a2141d7860de9d1df0e85bc>
- **NJ 2006 Natural Color Imagery Basemap - NAIP - 1 m** - WMS (NJ 2006 Natural Color)
<http://newjersey.maps.arcgis.com/home/item.html?id=b0125b45981246a0a84d0e59b7b0f3ab>
- **NJ 2002 Infrared Imagery Basemap - 1ft** - WMS - (NJ 2002 Infrared)
Negative scale of 1" = 1600', ortho-rectification +/-4.0 ft. horizontal, nominal scale 1:2400
<http://newjersey.maps.arcgis.com/home/item.html?id=e5ed8a8a03cb42a69327517ca34882a2>
- **NJ 1995 Infrared Imagery Basemap - 1m** - WMS (NJ 1995 Infrared)
USGS 1-meter, quarter-quadrangle (3.75-minutes of latitude by 3.75-minutes of longitude)
<http://newjersey.maps.arcgis.com/home/item.html?id=f2cfe516e3cb45edaa59bf499ea67468>
- **NJ 1930 Black & White Imagery - 2m, not ortho** - WMS (NJ 1930 Black White)
Mosaic of black and white photography from early 1930s.
Hand cut to 261 mosaic tile prints, scanned 400 dpi, approximate pixel resolution of 6.5 feet.
Georeferenced against 1995/97 color infrared digital orthophotography
Map + basemap
<http://newjersey.maps.arcgis.com/home/item.html?id=4e7de8d868c248f99c3fddc5bf8c0386>

Mercer County - myiDV - GIS Data Viewer

Mercer County Planning Department

McDade Administration Building

Mail: 640 South Broad Street, P.O. Box 8068, Trenton, NJ 08650-0068

Office Location: 640 South Broad Street, Room 411, Trenton, NJ 08611

<http://www.mercercounty.org/departments/planning>

Mercer County myiDV - GIS Data Viewer

<http://viewer.myidv.com/Map/71332c32178de944/Mercer-County>

Very flexible, clean, fast map w/ aerials

- Integrated property info / search - including adjacent property report
- Annotate with hydro, transport, land use
- Aerial imagery good res - diagonal of Center Street across full screen

- Layers:

Base Layers (annotation overlays) -

Municipal Boundary, Tax Block, Tax Parcel -- Click for full info
Colleges, Schools, Property Address

Hydrography - Streams, waterbody, Wetlands ...

Transportation - Railroads, Road types, ...

Land Use Land Cover - Preserved, Slope angles ...

Restricted Landuse

Street Map

[Aerial] Imagery - overlays - NJ Statewide Imagery 2015 (higher res), 2012

- Tools: Measurement, Search (Address, Street, Owner, Block/Lot)

Parcels / Mailing Labels - all property within 200 feet

Built on ESRI ArcGIS Server - <https://enterprise.arcgis.com/en/>

"Civil Solutions myiDV allows for non-IT savvy GIS users to create multiple web map applications"

Historic Aerials: NETRonline

<https://www.historicaerials.com>

World's largest database of historical aerial photography, topographic maps, and atlases of the United States

Search by geographic location - address, landmark, or latitude and longitude coordinates

Display imagery of land and buildings at various periods of time - see changes over time

Orthorectified to provide the data in a searchable and precise geo-locatable format

Order prints, or download digital images

Digital - PNG, JPG and GeoTIFF (georeferenced) digital images (1800, 3600, and 7200 pixel)

Aerials earlier than 2000 - JPG/PNG \$10, \$30, \$90 - GeoTIFF \$20, \$60, \$180

Subscription for better tools, less intrusive watermarks, no ads, downloadable JPEGs (680x680)

Owned by Nationwide Environmental Title Research (NETR), real estate research and information services

Hopewell Aerials - 1931, 1940, 1947, 1953 - 1995 (1 to 3 per decade), 2000's

Hopewell Topo - 1890 - 1905 (same design); 1906/1912/1916 - w/ buildings; 1955 - more bldgs. - 1 per decade

Ralston - 1906 - 1 bldg above Castle Lane; 1955 - 3 buildings below Castle lane

About Aerial Imagery

<https://www.historicaerials.com/aerial-photos>

Oldest aerial imagery from 1920

All aerial imagery entirely vertical, taken straight down, not oblique photographs, taken at an angle

Geometrically corrected to adjust for the shape of the earth's surface, the angles of the camera relative to the earth's surface, and camera lens distortion

About Topographic Maps

<https://www.historicaerials.com/topo-maps>

Sourced from United States Geological Survey (USGS) Topographic Maps, since 1884

See Map Key (Legend) - <https://www.historicaerials.com/topo-map-key>

Historic Map Works

Historic Map Works, Residential Genealogy historical map collection

www.historicmapworks.com

Largest digital collection of rare, ancient, old, historical, cadastral and antiquarian maps of its type

Currently over 1,662,956 images available online

Maps geocoded for search

Purchase downloads - w/ watermark - \$4.99 72 dpi, \$19.99 4437 x 6375 pixels @ 300dpi, 5.26MB

Purchase prints - \$29 - \$99, \$9.49 w/ watermark

historicmapworks.com - for individual subscribers

Historic Map Works Library Edition - distributed by ProQuest to public libraries and universities.

Fowler Panoramic Maps

Thaddeus Mortimer Fowler (1842-1922)

Hand drawn panoramic birds-eye view maps of American cities

Drew 426 locations in U.S. and Canada, 248 in Penna.

Other artists included J.J. Stoner, O.H. Bailey, and James B. Moyer

1868 - Assistant to Albert Ruger

1870 - Produced own panoramic maps, for 52 years

1887 - 1906 - Concentrated on Penna. - 200 maps in 20 years

1922 - Injured while surveying Middletown, N.Y. (age 79). Buried in Riverside Cemetery in Trenton, N.J.

Popularity of hand drawn panoramic maps began to fade with advent of the airplane
and growing popularity of cheaper and less time consuming aerial photographs

Pennsylvania Historical and Museum Commission / Pennsylvania State Archives

Map Collection - Fowler's Panoramic Maps (most from Library of Congress)

http://www.phmc.state.pa.us/bah/dam/mg/di/m011_0567/Fowler.htm

Fire Insurance Maps

Sanborn Map Company is the oldest mapping company in the United States. Founded in 1866, the company created detailed building maps of cities and towns all across the country, primarily for use by insurance companies.

Sanborn Maps of New Jersey - Princeton University Library

Out-of-copyright Sanborn Map Company maps of New Jersey digitized by the Princeton University Library
<https://rbsc.princeton.edu/topics/sanborn-maps-new-jersey>
Table - <https://library.princeton.edu/libraries/firestone/rbcs/aids/sanborn/sanborn-web.htm>

Sanborn Maps for Hopewell - 1902 [1927 not digitized]

<https://library.princeton.edu/libraries/firestone/rbcs/aids/sanborn/mercer/hopewell.html>
+ 1902 - 3 sheets - May 1902 - "No. 5549", Scale 50 ft to an inch, "Population 1000"
- 1927 - 9 sheets - not digitized

Sanborn Maps for Pennington - 1890, 1895, 1902, 1911 [1925 not digitized]

<https://library.princeton.edu/libraries/firestone/rbcs/aids/sanborn/mercer/pennington.html>
+ 1890 - 1 sheet - July 1890 - "2823" ~8500x10000
+ 1895 - 2 sheets - Nov. 1895 - "87"
+ 1902 - 4 sheets - May 1902 - "No. 5548"
+ 1911 - 4 sheets - August 1911 - "4066"
- 1925 - 6 sheets - not digitized

Library of Congress

*** Sanborn Fire Insurance Maps (JPEG 1612 x 1912)**

<https://www.loc.gov/collections/sanborn-maps/>
NJ (258) - <https://www.loc.gov/collections/sanborn-maps/?fa=location:new+jersey>
Mercer (9) - <https://www.loc.gov/collections/sanborn-maps/?fa=location:new+jersey%7Clocation:mercer+county>
+ Pennington - July 1980 - 1 sheet - https://www.loc.gov/item/sanborn05595_001/ [6450x7560]
Pennington - Nov 1895 - 3 Sheet(s) - https://www.loc.gov/item/sanborn05595_002/

*** Fire Insurance Map from Pennington, Mercer County, N.J. (1890) - Sanborn**

www.loc.gov/item/sanborn05595_001

Union List of Sanborn & Other Fire Insurance Maps / New Jersey

www.lib.berkeley.edu/EART/sanbul_NJ_A.html
Hopewell (Mercer County)
1902 - 3 sheets Princeton Univ. Library
1912 - 6 sheets Free Library of Philadelphia
1923 - 7 sheets Princeton Univ. Library
1935 (revision) - 9 sheets Free Library of Philadelphia

Historic Map Works, Residential Genealogy historical map collection

- Fire Map of Hopewell, N.J. (1890) - Scarlett & Scarlett

in Scarlett & Scarlett's Fire Map of Mercer County, New Jersey (1890)

Including Trenton and Suburbs. Scarlett & Scarlett, Newark, New Jersey, 1890

Atlas, 67 pp., 116 maps

Plate 083A - Titusville, Plate 083B - Hopewell [Hunter Research]

Purchase - www.historicmapworks.com/Atlas/US/11094/Mercer+County+1890/

(Library of Congress, microfilm)

Fire Insurance Rating Organization of N.J., Newark, N. J. - Rutgers Library

Series of 455 mid 20th century fire insurance maps

<https://rucore.libraries.rutgers.edu/search/results/?key=root&q1=Fire+Insurance+Rating+Mercer>

Hopewell Borough #32 - N.J. Fire Rating Map (1943)

Pennington Borough #26 - N.J. Fire Rating Map (1943)

+ Hopewell Township - N.J. Fire Rating Map (1946)

Hopewell Township, including Ackors Corner, Bear Tavern, Glenmore, Harbourton, Marshalls Corner, Pleasant Valley, Titusville, Washington Crossing, and Woodville, Mercer County, New Jersey

June 20, 1946 - Map 437 - 1 page

<https://doi.org/doi:10.7282/T3XD108K>

+ Hopewell Borough - N.J. Fire Rating Map (1949)

Hopewell Borough, Mercer County, New Jersey

May 31, 1949 - Map 32 - Superseding April 15, 1943

2 pages - Map and text (Water Supply, Fire Department)

<https://doi.org/doi:10.7282/T3513WX0>

+ Pennington Borough - N.J. Fire Rating Map (1950)

Pennington Borough, Mercer County, New Jersey

July 31, 1950 - Map 26 - Superseding April 15, 1943 -

2 pages - Map and text (Water Supply, Fire Department)

<https://doi.org/doi:10.7282/T30POXR1>

Hunter Research - Hopewell References

Trenton, N.J. - www.hunterresearch.com

Heritage Studies, Inc., 1985 Hopewell Township Historic Sites Survey.

On file, New Jersey Historic Preservation Office (NJDEP), Trenton, New Jersey.

Honey Hollow: Myth and Substance / A History Of Settlement And Land Use

Hunter Research, April 2018 (Baldpate Mountain)

<http://www.hunterresearch.com/news/2018/7/4/plumbing-the-depths-of-honey-hollow>

<http://www.hunterresearch.com/s/Honey-Hollow-Myth-and-Substance.pdf>

References:

- "A New Mapp of East and West New Jarsey" (1706) - Worlidge
- Hessian Manuscript Map of Central New Jersey (1779)
- A Sketch of the Northern Parts of New Jersey (1781) - Hills
- A Map of the State of New Jersey , with part of the Adjoining States (1828) - Gordon
- Scarlett & Scarlett's Fire Map of Mercer County, New Jersey (1890) - Scarlett & Scarlett
- Fairchild Aerial Surveys of Mercer County - On file, New Jersey State Archives (NJDS), Trenton, NJ

Municipal Maps (Tax) - Township & Boro

Hopewell Township Maps

Hopewell Township, Mercer County, N.J.

Tax Map sets from 1915 / 1941 held by Tax Assessor

<https://www.hopewelltpw.org/261/Tax-Assessor>

- Hopewell Township Tax Maps - 1915

- Hopewell Township Tax Maps - 2016

also

- Township of Hopewell, Showing Status of Roads (1953, 1962, 1979)

Hopewell Borough Maps

<https://www.hopewellboro-nj.us/e-docs/>

Maps - Street Map 2005, Zoning Map 2007, Historic District Map 2004

- Hopewell Borough Tax Map - 2019