



National Trails Office (NTIR) OCTA Mapping Workshop Historic Aerial Photos

OCTA Mapping Workshop

September 9-11, 2021

National Park Service – National Trails

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Why Use Historic Aerials?

- Locate trail trace that has been impacted by urban or agricultural development
- May include low-sun angle images
- Use in areas where there are no other better sources





Historic Aerial Sources

- USDA Soil Conservation Service began acquiring aerials in the 1930s
- Scales can vary
- Some are digitally online, but many have not been scanned and can only be accessed directly from the National Archives, State Archives, University Libraries, or USDA Aerial Photography Field Office



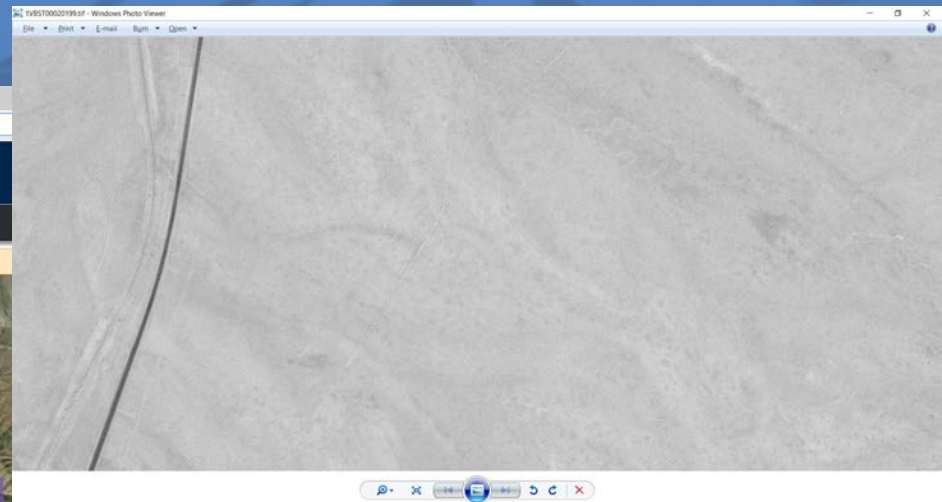


Earth Explorer

[EarthExplorer \(usgs.gov\)](https://earthexplorer.usgs.gov)

- Mainly 1940s, 50s, 60s, 70s and newer aerial imagery

The screenshot shows the Earth Explorer web application. The top navigation bar includes 'USGS science for a changing world' and 'EarthExplorer Manage Criteria'. Below this is a search bar and tabs for 'Search Criteria', 'Data Sets', 'Additional Criteria', and 'Results'. The 'Results' tab is active, displaying '4. Search Results'. A sidebar on the left lists search results with details such as 'Acquisition Date: 1967-10-15', 'Scale: 30000', and 'Entity ID: AR1VBS100020199'. The main map area shows a topographic view of a mountainous region with a purple rectangular overlay indicating the selected search area. At the bottom, there is a disclaimer: 'The provided maps are not for purchase or for download; it is to be used as a guide for reference and search purposes only.'






Missouri

[Aerial Photograph Collection - Digital Collections \(shsmo.org\)](https://shsmo.org)

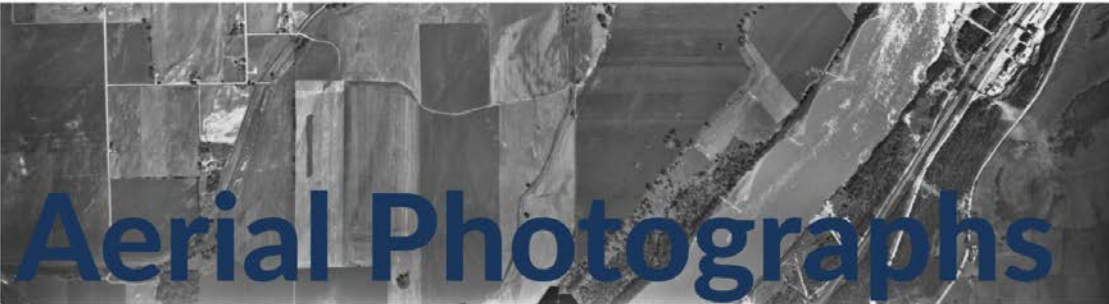
■ State Historical Society of Missouri



Digital Collections (DIGITAL NEWSPAPERS ARE HERE: <https://shsmo.org/collections/newspapers/mdnp>)

THE STATE HISTORICAL SOCIETY OF MISSOURI

Advanced Search



Aerial Photographs

About this collection

The Aerial Photograph Collection is a special collection of "maps" taken from the late 1930s to the 1960s as part of the USDA's Agricultural Stabilization and Conservation Service. This collection contains a select number of counties. Additional counties and images are available through the Research Centers; see the collection [finding aid \(P0335\)](#) for further details.

The [Index to Aerial Photographs](#) is a composite image of each county. The composite images are organized by county and year and contain identification numbers for requesting specific detailed images.

Explore the collection through the search box above, the browse button below, or select from a list of our suggested topics:

Other related digital collections include the [Map](#) collection, the [Plat Maps of Missouri](#) collection, and the [Photographs](#) collection.

[Browse all](#)

[Adair County](#)
[Andrew County](#)
[Atchison County](#)
[Audrain County](#)
[Barry County](#)
[Bates County](#)



Kansas

- [KGS--Historical Aerial Photos of Kansas \(ku.edu\)](#)



Colorado

- [CU Historical Aerial Photo Collection \(arcgis.com\)](#)
- [Browse All - Aerial Photographs of Colorado](#)



Wyoming

- [Browse All - Wyoming State Archives Aerial Photos](#)



Utah

- [UGS Aerial Imagery Collection \(utah.gov\)](http://utah.gov)



Idaho

- [Home | Idaho Historical Aerial Photographs \(uidaho.edu\)](#)
- [Map | Idaho Historical Aerial Photographs \(uidaho.edu\)](#)



Nevada

- [Historic Aerial Photos | University of Nevada, Reno \(dgicloud.com\)](http://dgicloud.com)



Oregon

- [1936 Eugene Aerial Photographs Index | UO Libraries \(uoregon.edu\)](#)
- [1936 Corvallis Air Photo Index | Map Library | UO Libraries \(uoregon.edu\)](#)



Limitations

- Availability and Coverage
- Vegetation
- Scale
- Ground Disturbance

National Trails

National Park Service
Department of the Interior



Georeferencing/Orthorectified Mosaic Dataset





Imagery Services

The screenshot shows the ArcGIS Pro software interface. The top toolbar includes various tools for navigation, selection, and analysis. The left sidebar contains a 'Contents' pane with a search bar and a list of layers. The main map area displays a grayscale aerial image with a red line overlaid. The bottom pane shows a table of data with columns for 'Field', 'Selection', 'Zoom To', 'Switch', 'Clear', 'Delete', and 'Copy'. The table has a header row with columns: 'Field', 'Selection', 'Zoom To', 'Switch', 'Clear', 'Delete', 'Copy', 'Feature ID', 'Geometry ID', 'PUBLICDISPLAY', 'DATAACCESS', and 'URL'. The table body contains one row with the following values: 'Field', 'Selection', 'Zoom To', 'Switch', 'Clear', 'Delete', 'Copy', 'Feature ID', 'Geometry ID', 'PUBLICDISPLAY', 'DATAACCESS', and 'URL'. The table is currently empty, with a message 'Click to add new row.' displayed below the header row.

Contents

Search

Drawing Order

- ☒ CALI_100k_line
- ☒ OREG_100k_line
- ☒ cali_nht_100k_line
- ☒ GPS_VIS_EVID_TRAILS
- ☒ DRAFT_NTDS_NHT_Sites_pt
- ☐ Northern_Trails_100k
- ☐ Northern_Trails_24k
- ☒ DRAFT_NTDS_Extended_In
- ☒ 1938 Aerial
 - Value
 - 255
 - 0
- ☐ 1957 Aerial
- ☐ 1963_Aerial
- ☐ 1957_Aerial
- ☒ 1938_Aerial
 - ☒ 1938 Aerial
 - ☒ Aerial1966
 - ☒ AerialImagery1963
 - ☒ Aerial_1937.tif
 - ☒ Santa Margarita Imagery
 - ☒ World Topographic Map
 - ☒ World Hillshade

Map

1:25,620 98.4336712°W 40.8528036°N

DRAFT_NTDS_Extended_In **GPS_VIS_EVID_TRAILS** **DRAFT_NTDS_NHT_Sites_pt**

Field: Add Calculate **Selection:** Select By Attributes Zoom To Switch Clear Delete Copy

Field	Selection	Zoom To	Switch	Clear	Delete	Copy	Feature ID	Geometry ID	PUBLICDISPLAY	DATAACCESS	URL
Public Use Site	NHT High Potential Site	Type of Site	NHT Site Name	NHT Site Number	Agency Data Source	E Y Notes	Feature ID	Geometry ID	PUBLICDISPLAY	DATAACCESS	URL

Click to add new row.

0 of 0 selected

Filters: 100%



Questions

