

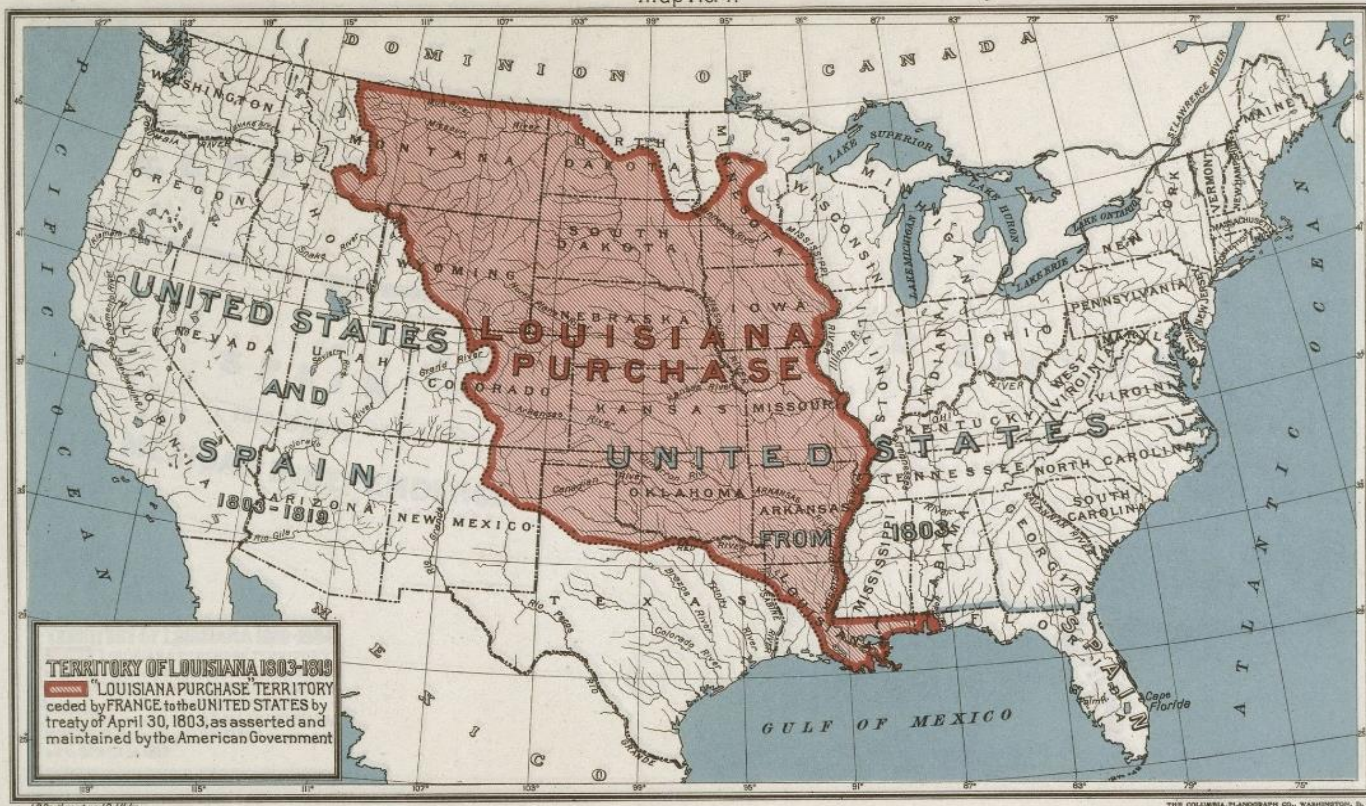


**MISSOURI DEPARTMENT OF
AGRICULTURE**

LAND SURVEY PROGRAM

By: Jess Moss PLS
Agriculture.Mo.Gov

Map No.4.



Full Citation: Map RG49-OMF-US40-4; Map of the Louisiana Purchase Territory; 1903; United States; Old Map File Manuscript and Annotated Maps of the United States and Its Territories, 1812 - 1946; Records of the Bureau of Land Management, Record Group 49; National Archives at College Park, College Park, MD. [Online Version, <https://www.docsteach.org/documents/document/map-louisiana-purchase>, August 21, 2020]

History

- United States Public Land Survey System (USPLSS)
- Missouri was surveyed between 1815-1865
- Basis for transfer of land, then and now
- System of Sections and Townships
- Surveyed using chain and compass
 - Set posts, mounds, & stones

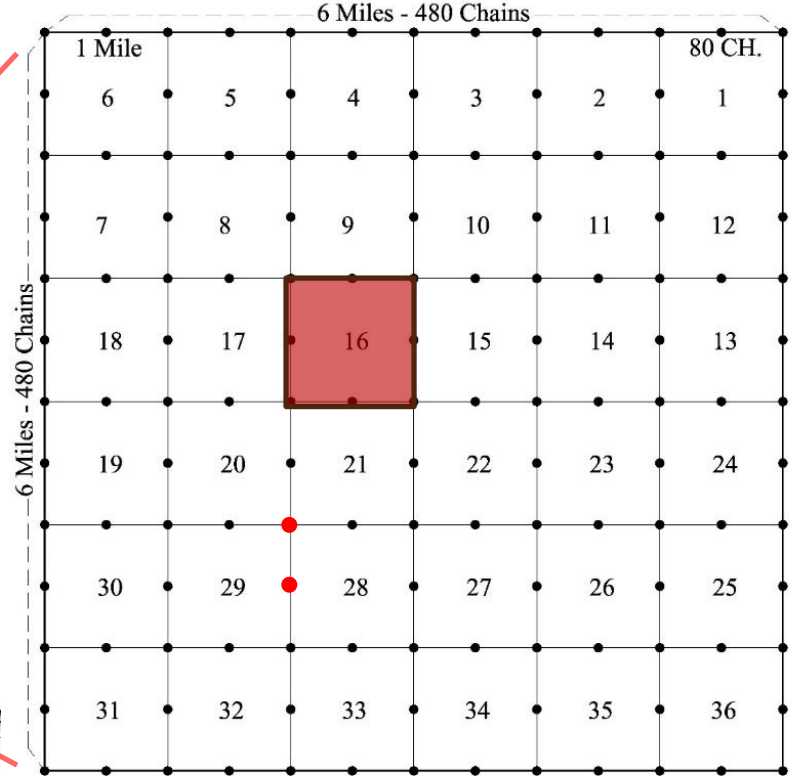


UNITED STATES PUBLIC LAND SURVEY SYSTEM IN MISSOURI

GENERAL LAND OFFICE SURVEY WAS PERFORMED FROM 1815 - 1865

T37N – R8W

TOWNSHIP DIAGRAM



• - A monument (wood post, stone, or earth mound) was set every half mile.

5th
Principal
Meridian

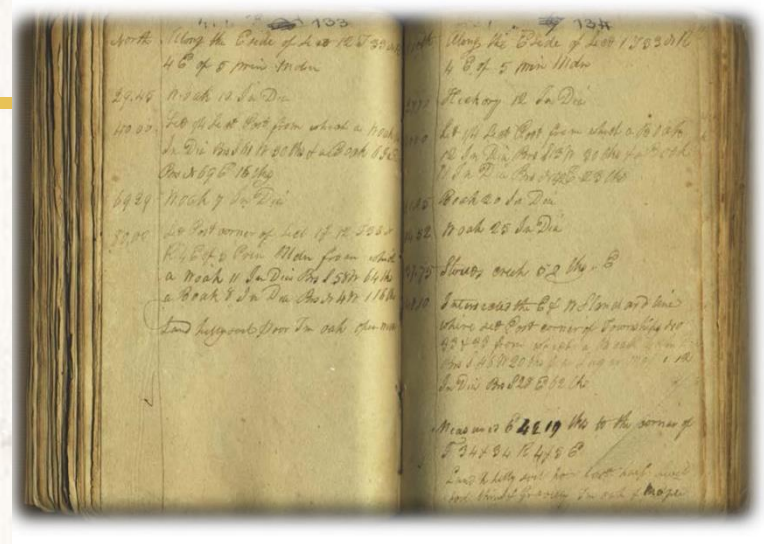
Base Line

Initial Point

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Land Survey Program



Created in 1969 to
preserve survey monumentation and
records

Land Survey Program History

- Began within the Missouri Department of Natural Resources.
- August 28, 2013, the Land Survey Program was moved to the Department of Agriculture and located within the Division of Weights, Measures, and Consumer Protection.



Land Survey Program Currently

- 12 full time employees with two vacant positions.
- Is Fee funded (\$1.00 is sent to the Land Survey Program every time a document is recorded in Missouri).
- This \$1.00 fee has not changed since 1969.



Land Survey Program



Mission: To develop and provide information required for the accurate and economical location of property boundaries in Missouri

Land Survey Program



Field Surveys Section



Repository Section



Administration Section

Agriculture.Mo.Gov



Repository Section



1.4 Million Survey Records available for purchase online

Receives/indexes approximately 1000 documents per month

Plats/Surveys

<https://apps.mda.mo.gov/molandsurveyindex>

Corner Documents

<https://apps.mda.mo.gov/mocornermasterindex>

Repository Section

Responsible for acquiring and archiving survey documents through contact with all county recorders and county surveyors

- Scan and microfilm the survey documents
- Index the scanned images into our Land Survey Index System (LSI) or Corner Master Index (CMI), which allows anyone to access and purchase a copy of the image of the survey documents
- Maintain the Land Survey Index and provide service to customers that have questions about the LSI or CMI



Repository Section Documents

- GLO Plats and notes
- Subdivision Plats
- County Survey Records
- Corner Documents
- Some MoDOT R/W plans
- U.S. Forest Service Surveys/Yellow sheets
- State Parks Surveys
- Some Private Surveys
- Some Railroad R/W plans





Land Survey Index

LSI Search

To search the Land Survey Index

1. Enter at least one search criteria.

2. Click the search button.

Adobe Reader is required to view reports and plats.



Sort By:

Surveyor:

Document Name:

Township:

Range:

Direction:

Section:

US Survey:

County:

Begin Date:

End Date:

Search

Clear

ATTENTION!!

The Land Survey Index and Corner Master Index

Shopping Carts have been combined.

UNITED STATES PUBLIC LAND SURVEY SYSTEM IN MISSOURI

GENERAL LAND OFFICE SURVEY WAS PERFORMED FROM 1815 - 1855



Field Surveys Section

- Responsible for restoring, reestablishing, and preserving the estimated 260,000 corners that were set during the original government surveys.
 - These are restored by:
 - In house surveys
 - 3 crews working on this
 - Co-op Remonumentation programs.



Cooperative Remonumentation Program

- County Surveyor Co-op – The Land Survey Program along with partnering counties contributes money and then contracts with County surveyors to preserve, restore or reestablish corners in which they have normally found while doing a survey for someone.
- Private Surveyor Co-op – The land survey program puts forth all the money if funding is available.



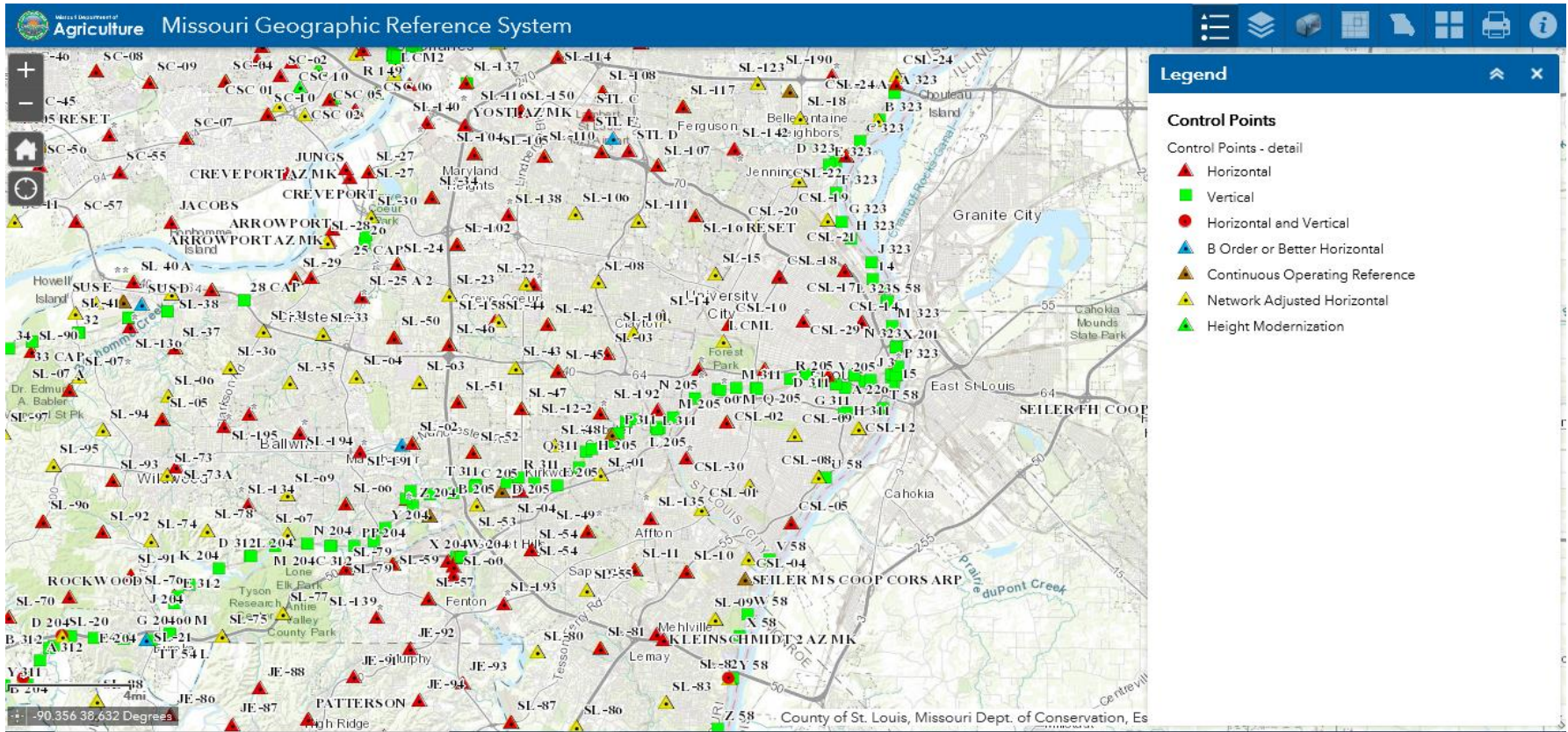
Field Surveys Section

United States Public Land Survey (USPLSS) Corner
Corner of Section 29, 30, 31, & 32, T50N, R2E



1820: Deputy Surveyor Robbins – Set post
1874: County Surveyor Wilson – Stone
2014: Land Survey Program – Aluminum
Monument

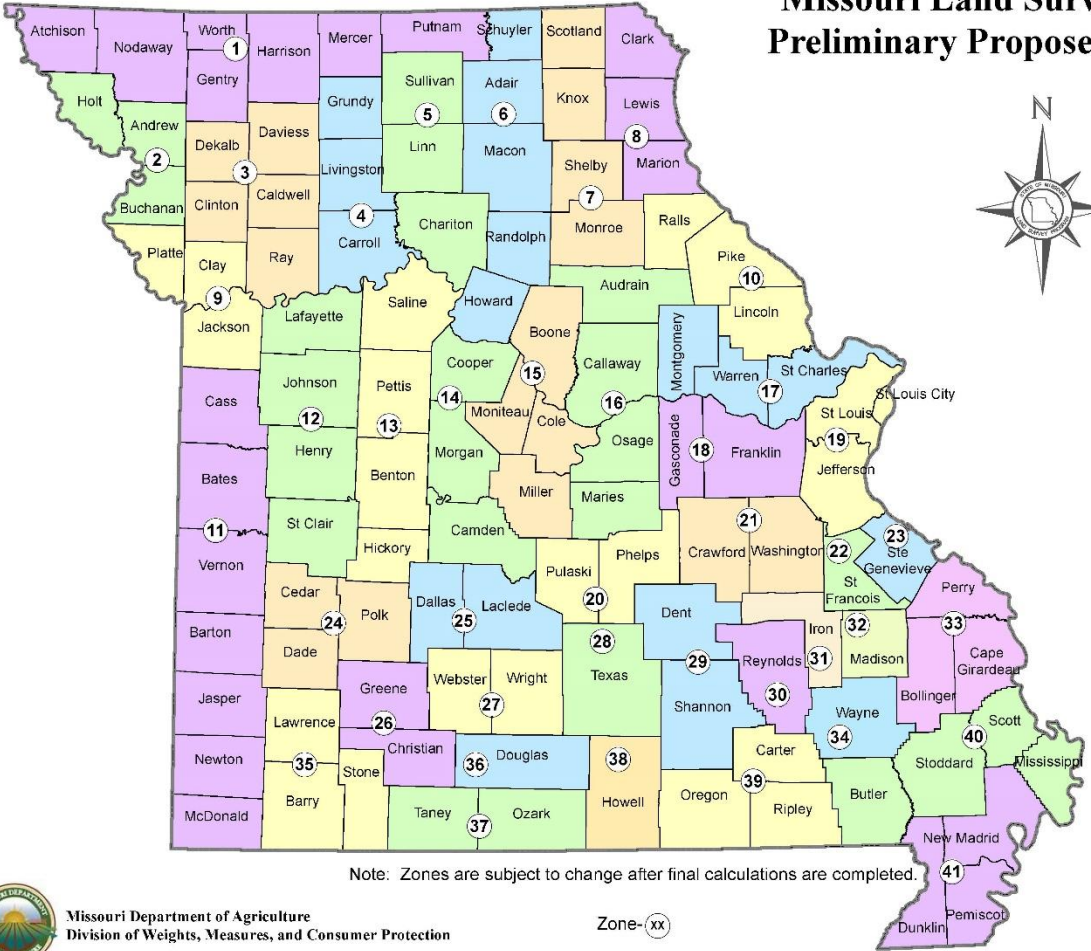
Online Horizontal & Vertical Control Map



Control Stations located around St. Louis

<https://agriculture.mo.gov/weights/landsurvey/GrsMap.php>

Missouri Land Survey Program Preliminary Proposed LDP Zones



Note: Zones are subject to change after final calculations are completed.



Missouri Department of Agriculture
Division of Weights, Measures, and Consumer Protection

ElevationMap

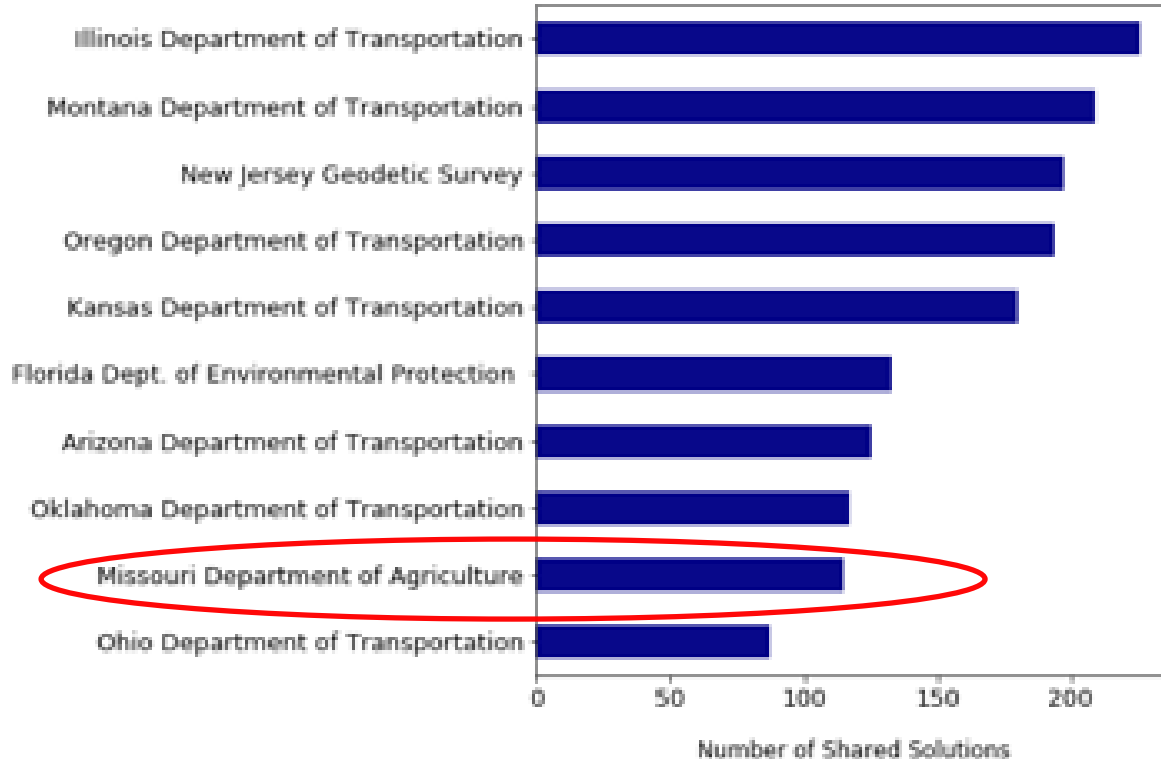
Zone-xx

8/26/2020

Field Surveys Section

2018 GPS on Benchmark Campaign

Top Ten Submitting Agencies



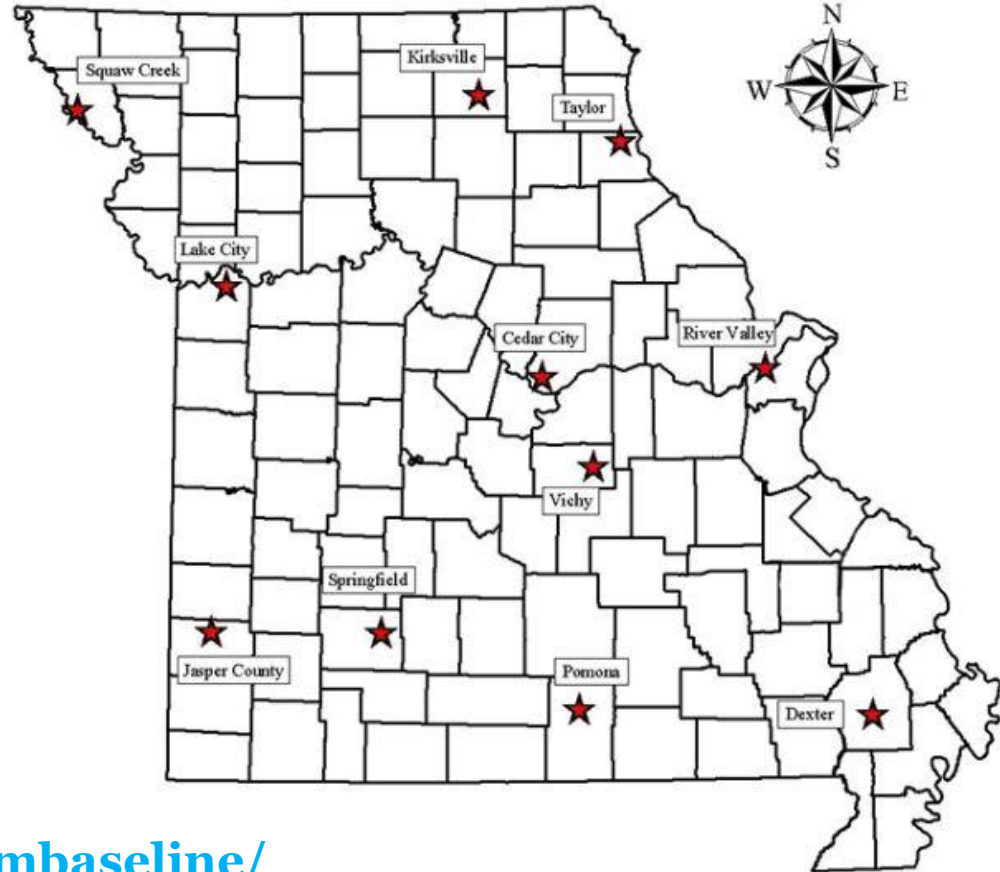
Improving the Geoid and Coordinate Transformation tools, by participating in GPS on Benchmarks through the National Geodetic Survey.

Field Surveys

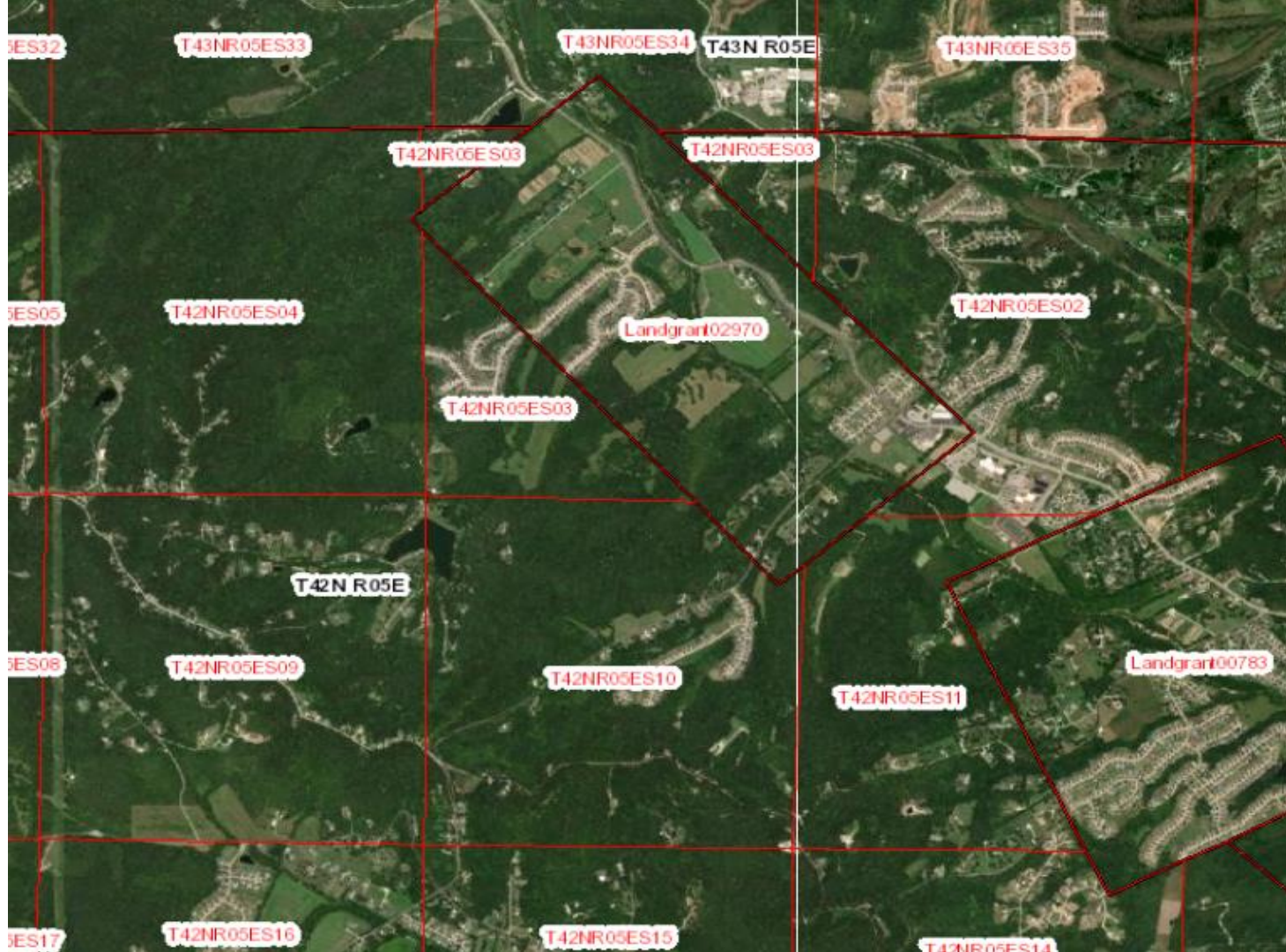
Section

- **Maintain a series of EDM (Electronic Distance Measuring) Baselines throughout the state which are a series of permanent marks that allow surveyors to check and calibrate their equipment.**

Land Survey Program - EDM Baselines



<https://apps.mda.mo.gov/moedmbaseline/>



Administrative Section

- Responsible for legislation issues dealing with the policies and budget matters of the state land survey program
- Prescribe standards that provide surveyors and property owners with a realistic guideline for adequate survey performance
- Provide technical assistance to surveyors and the public on survey related questions



References

- Map RG49-OMF-US40-4; Map of the Louisiana Purchase Territory; 1903; United States; Old Map File Manuscript and Annotated Maps of the United States and Its Territories, 1812 - 1946; Records of the Bureau of Land Management, Record Group 49; National Archives at College Park, College Park, MD. [Online Version, <https://www.docsteach.org/documents/document/map-louisiana-purchase>, August 21, 2020]
- Ref: <https://www.ngs.noaa.gov/GPSonBM/archive/2018/>



Land Survey Program

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- Weights, Measures and Consumer Protection
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- Land Survey Program
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