Act 73 Mapping Resources

Senate Committee on Education
January 29th 2026

John E. Adams
Director, Vermont Center for Geographic Information

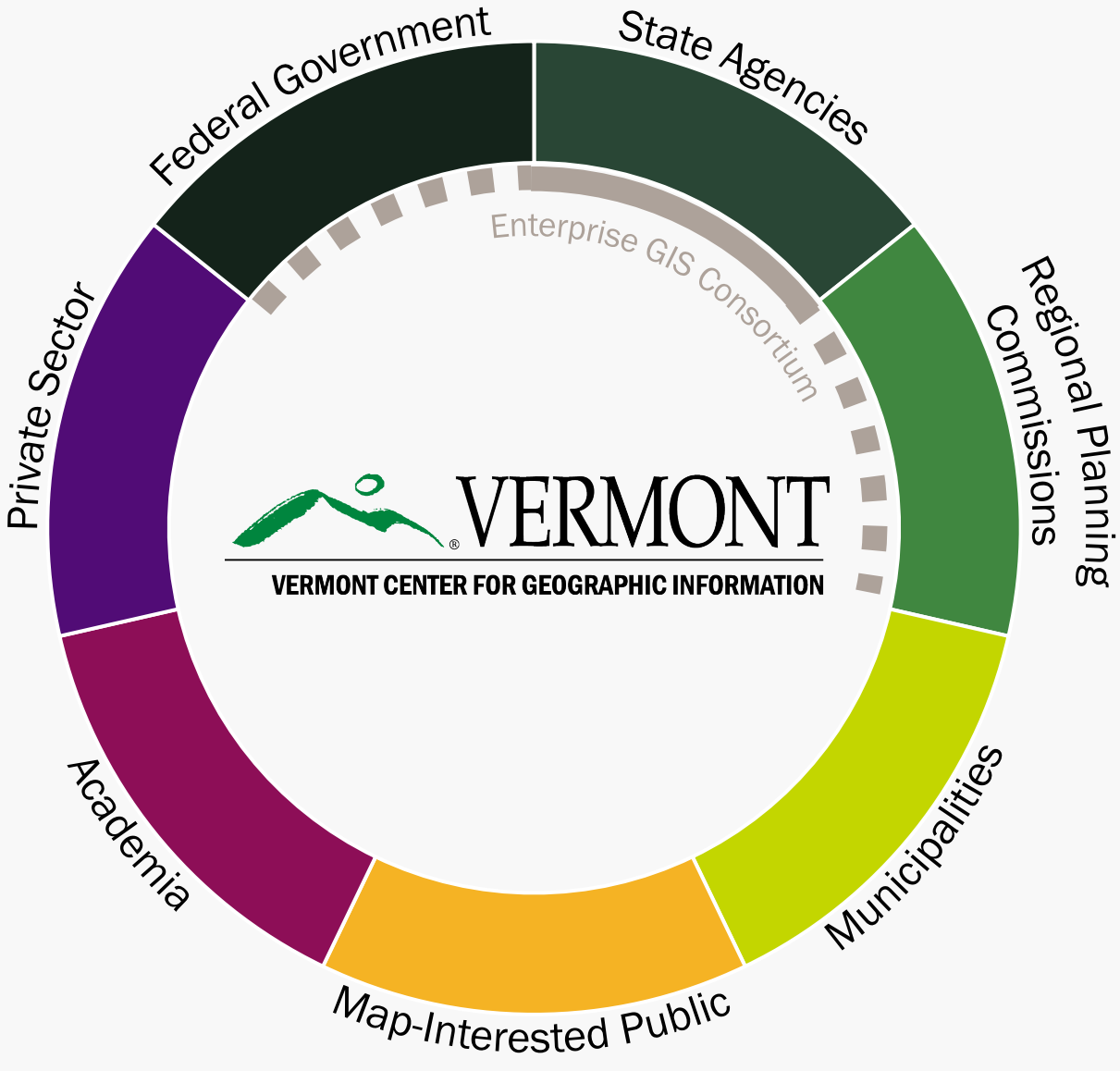


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VCGI Purpose

[10 V.S.A. Chapter 8: Geographic Information]

The Vermont Center for Geographic Information (VCGI) was created to develop and implement a "comprehensive strategy for the development and use of a geographic information system."

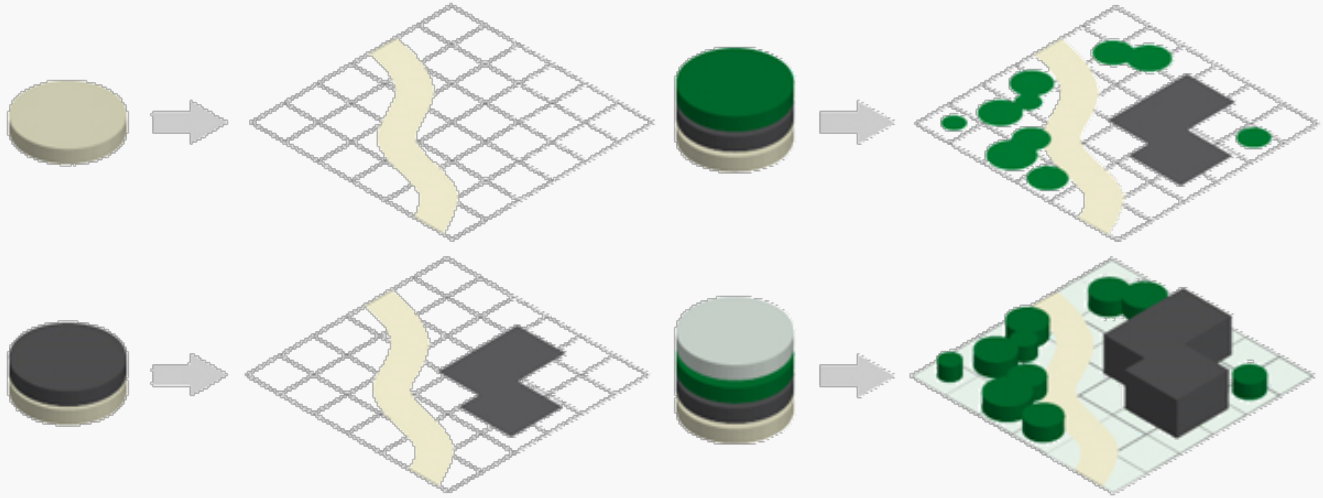


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What is GIS?

GIS or geographic information system refers to the computerized management of information about something and its location on Earth.

Multiple spatial datasets and their map layers can be combined into a system of geographic information, hence GIS.



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What VCGI Does



BUILD

Foundational Datasets (Spatial Data Infrastructure)



LEAD

Development and use of Statewide Geographic Information System (GIS) and the Coordination it requires



EMPOWER

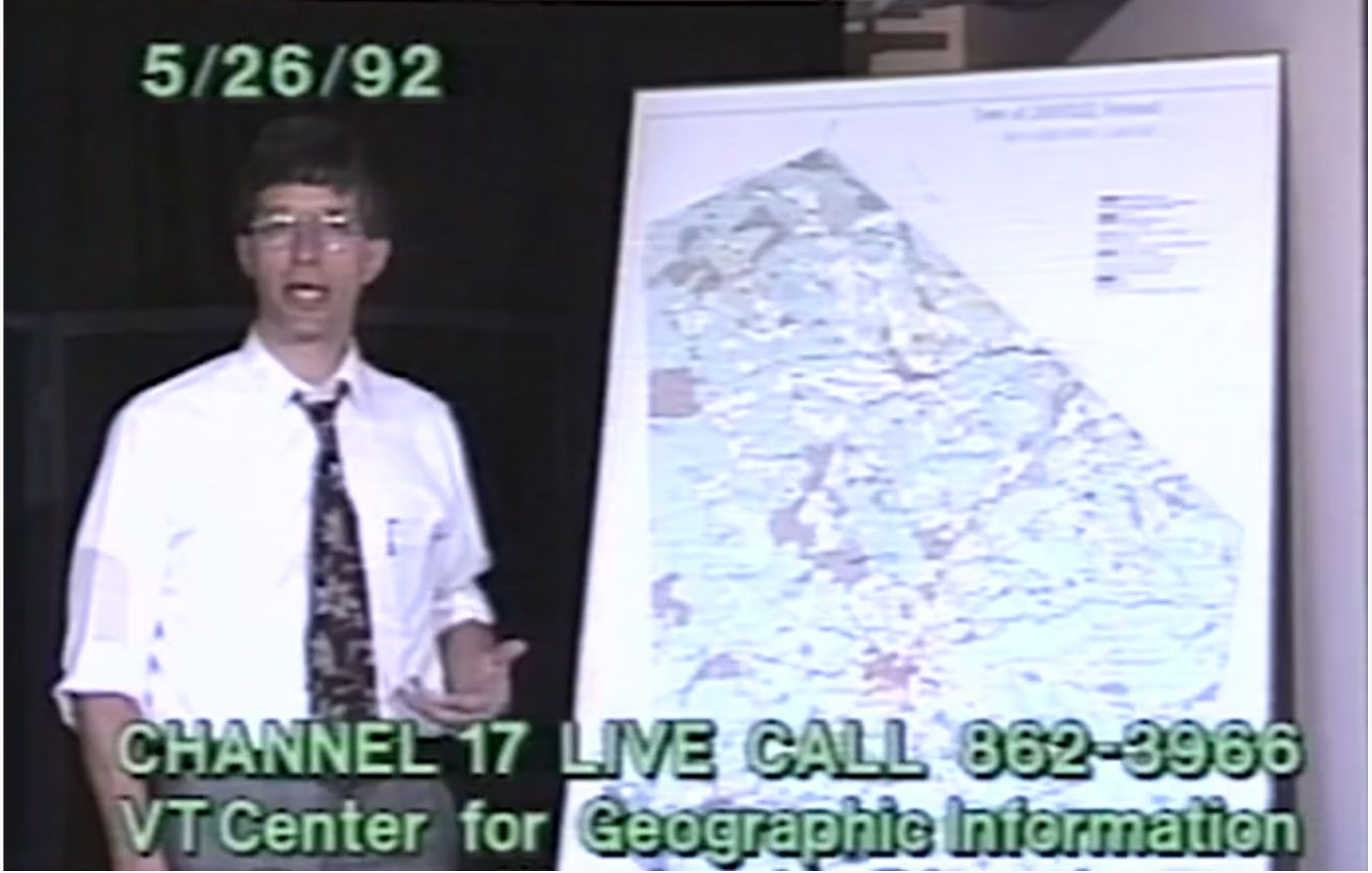
Data access, visualization and use.

This is a simplified overview of 10 V.S.A. Chapter 8: Vermont Center for Geographic Information

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VERMONT CENTER FOR GEOGRAPHIC INFORMATION



17 MB



Total Users in 1992: 107

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In 2025:
23 partners published **1064 open datasets** generating an astounding **1,021,467,759** map server requests.

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TODAY

DATA DOWNLOAD

APPS

LIKE NETFLIX FOR MAPS

SERVICES



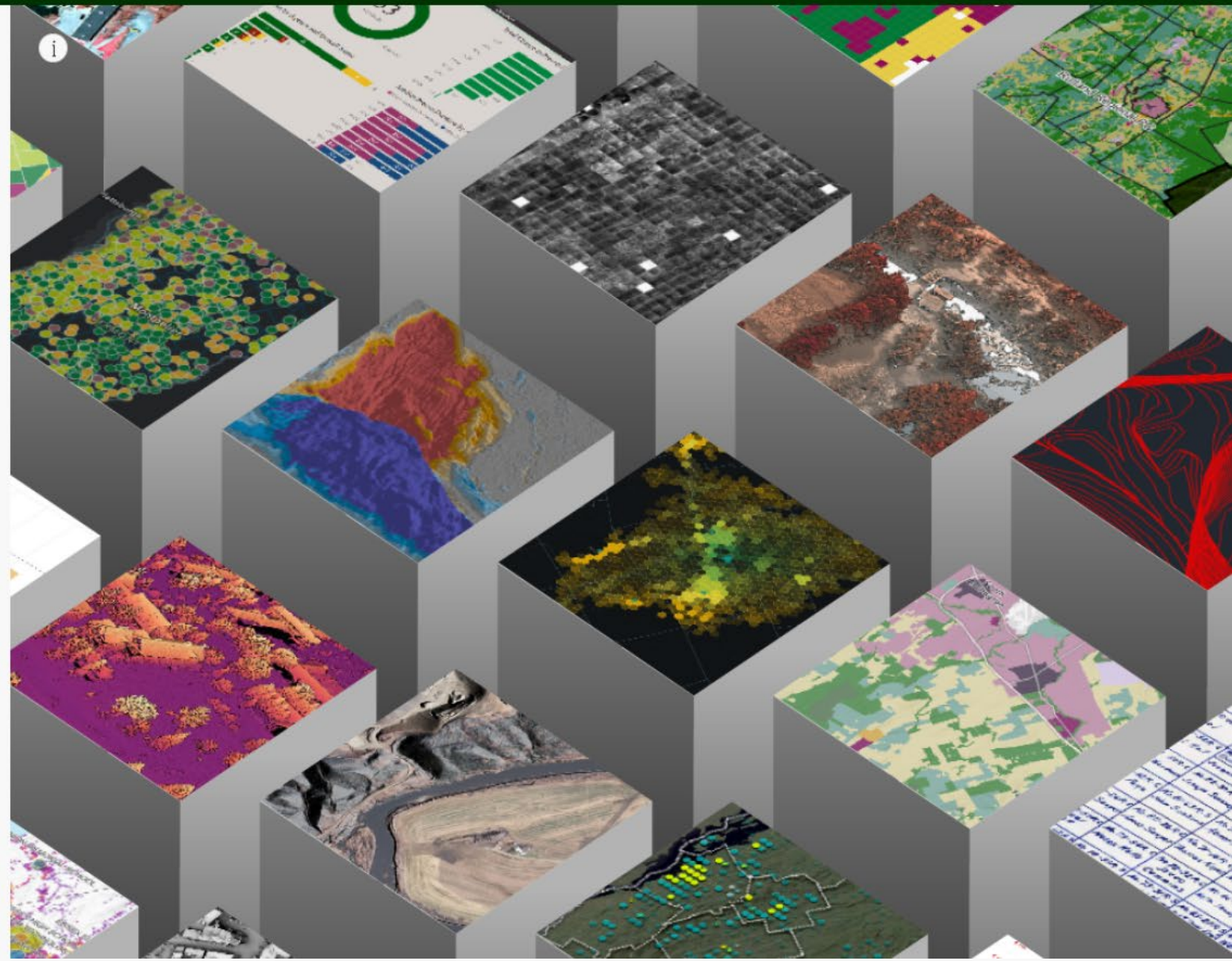
Photo Credit: Taylor Vick

An Official **Vermont** Government Website

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2025: The Year in GIS

A look back at the past year featuring 40 examples of how GIS is being used across state agencies and regional partners in Vermont.



map.vermont.gov/review/2025

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Act 73

Act 73 tasked the [Vermont Center for Geographic Information] with providing technical assistance to The School District Redistricting Task Force.



District Builder

An interactive tool for creating and evaluating school district boundaries.

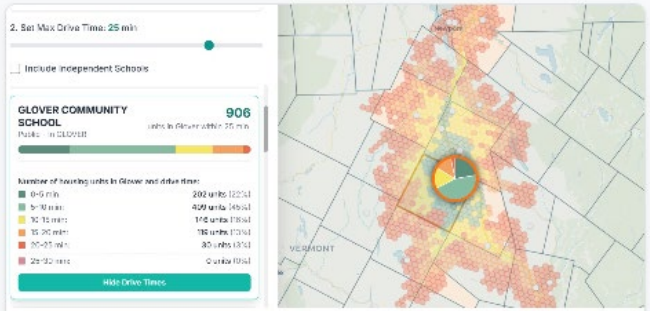
Launch District Builder



School Explorer

Explore detailed information about individual schools, districts, other map layers.

Launch School Explorer



Drive Time Mapper

Analyze transportation logistics with school drive time mapping.

Launch Drive Time Mapper

map.vermont.gov/education/

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Files

main

Go to file

.vite
deployment
docs
technical_documentation.md
src
.gitignore
CHANGELOG.md
LICENSE.md
README.md
index.html
metadata.json
package-lock.json
package.json
postcss.config.js
tailwind.config.js
tsconfig.json
tsconfig.node.json
vite.config.ts

Technical Documentation: Vermont School District Builder

1. Project Overview

This is an interactive, single-page web application for creating, visualizing, and analyzing custom school district maps for the state of Vermont. It allows users to group towns into districts, view real-time demographic and financial data for those districts, and export their work in various formats.

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2. Technology Stack

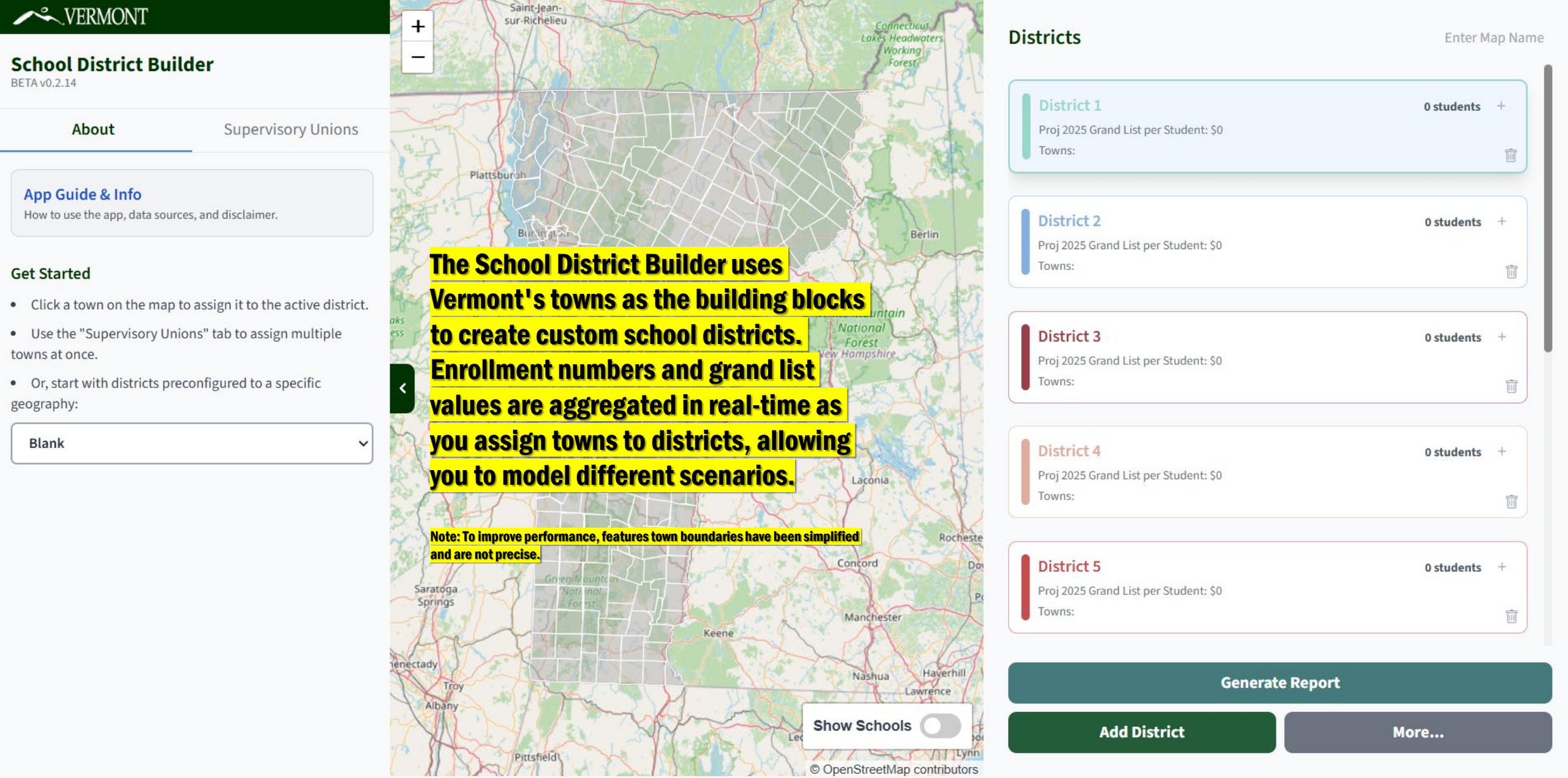
The project is built using the following:

- **Framework:** React (v18.3.1)
- **Language:** TypeScript (v5.4.5)
- **Build Tool:** Vite (v7.0.5)
- **Styling:** Tailwind CSS (v3.4.4)
- **Mapping:** Leaflet (v1.9.4)
- **Charting:** Recharts (v2.12.7)
- **State Management:** Native React Hooks (`useState` , `useEffect` , `useCallback` , `useMemo`)
- **Data Compression:** pako (v2.1.0)
- **Image Export:** html2canvas (v1.4.1)

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https://github.com/VCGI/school-district-builder

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https://map.vermont.gov/education/district-builder/

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School District Builder

BETA v0.2.14

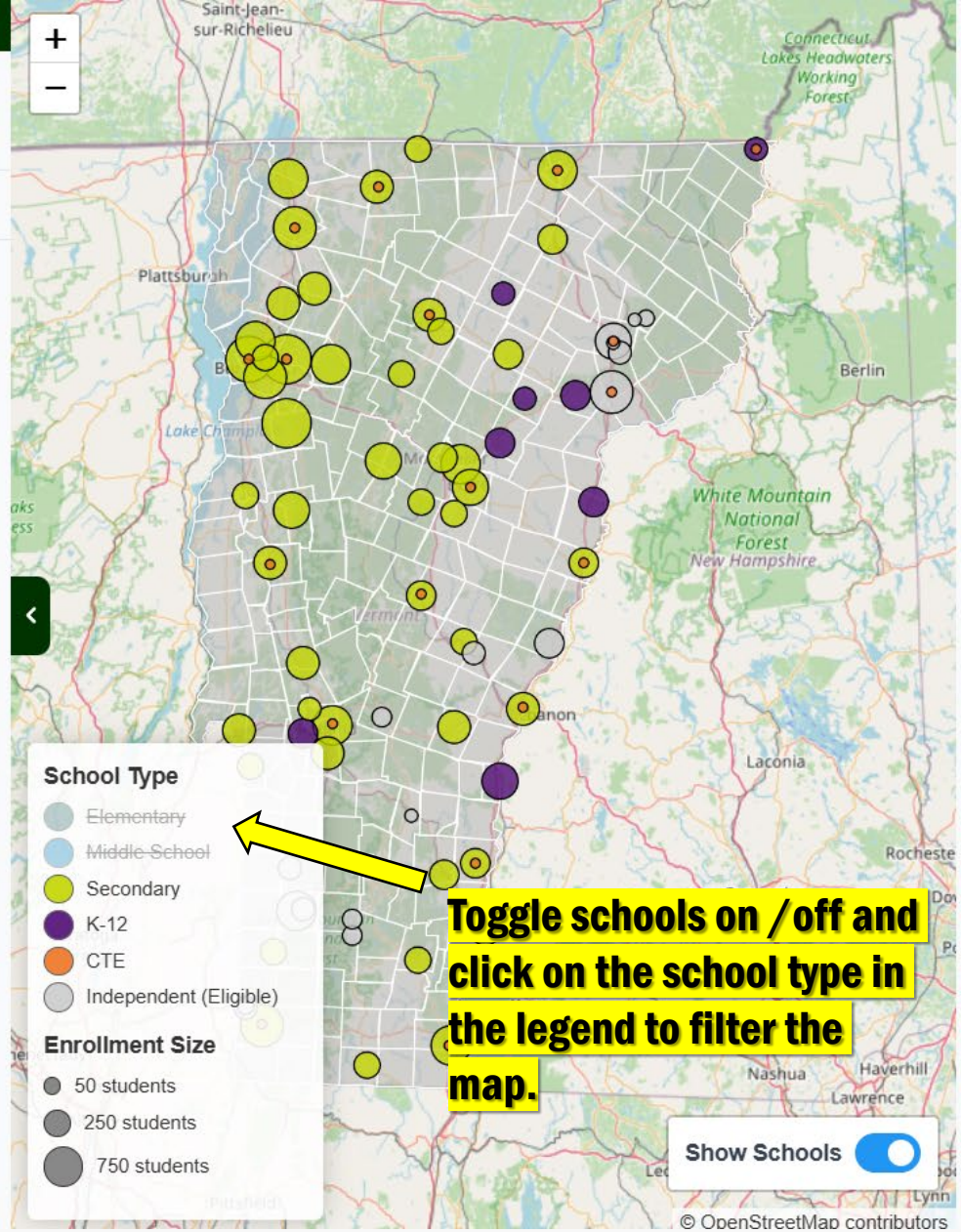
About | Supervisory Unions

App Guide & Info
How to use the app, data sources, and disclaimer.

Get Started

- Click a town on the map to assign it to the active district.
- Use the "Supervisory Unions" tab to assign multiple towns at once.
- Or, start with districts preconfigured to a specific geography:

Blank



Districts

Enter Map Name

District 1 — 0 students
Proj 2025 Grand List per Student: $0
Towns:

District 2 — 0 students
Proj 2025 Grand List per Student: $0
Towns:

District 3 — 0 students
Proj 2025 Grand List per Student: $0
Towns:

District 4 — 0 students
Proj 2025 Grand List per Student: $0
Towns:

District 5 — 0 students
Proj 2025 Grand List per Student: $0
Towns:

Generate Report

Add District | More...

https://map.vermont.gov/education/district-builder/

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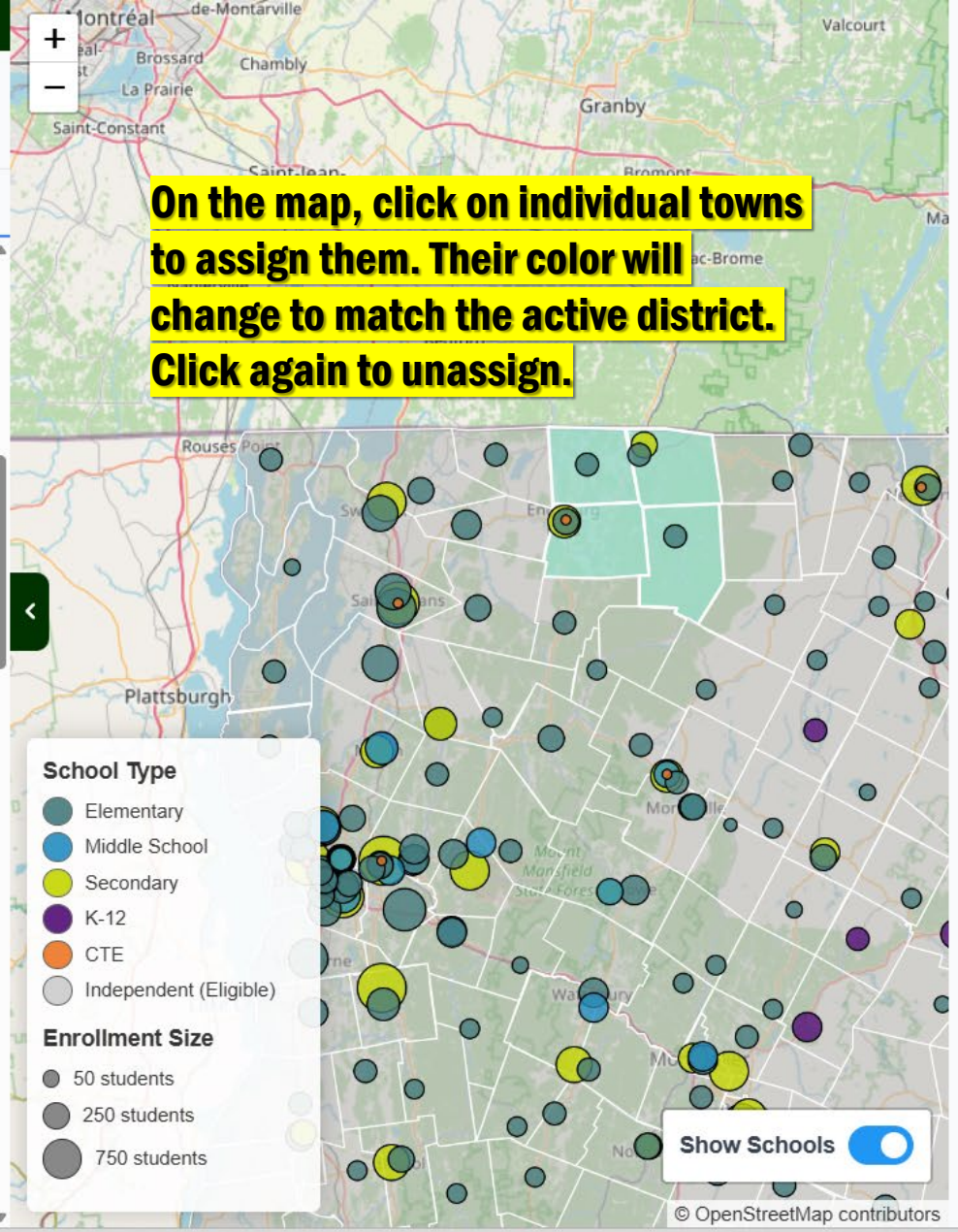
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School District Builder

BETA v0.2.14

About | Supervisory Unions

Essex North SU	449 students
Essex Westford ECUUSD	3,622 students
Franklin Northeast SU	1,977 students
Franklin West SU	2,023 students
Grand Isle SU	887 students
Greater Rutland County SU	1,352 students
Hartford SD	1,308 students
Harwood UUSD	1,785 students
Kingdom East SD	1,751 students
Lamoille North SU	1,727 students
Lamoille South SU	1,520 students
Lincoln SD	187 students



Districts

Enter Map Name

District 1 — 1,337 students

Proj 2025 Grand List per Student: $529,971

Towns:

Public Schools in District (6)

Elementary (4)

BERKSHIRE ELEMENTARY SCHOOL *(BERKSHIRE)*
159
Built: 1968 | Facilities Condition Index:

ENOSBURG FALLS ELEMENTARY SCHOOL *(ENOSBURGH)*
221
Built: 1954 | Facilities Condition Index:

MONTGOMERY CENTER SCHOOL *(MONTGOMERY)*
123
Built: 1992 | Facilities Condition Index:

RICHFORD ELEMENTARY SCHOOL *(RICHFORD)*
153
Built: 1968 | Facilities Condition Index:

Secondary (2)

ENOSBURG FALLS JUNIOR/SENIOR HIGH SCHOOL *(ENOSBURGH)*
398
Built: 2003 | Facilities Condition Index:

Generate Report

Add District | More...

https://map.vermont.gov/education/district-builder/

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School District Builder

BETA v0.2.14

About | Supervisory Unions

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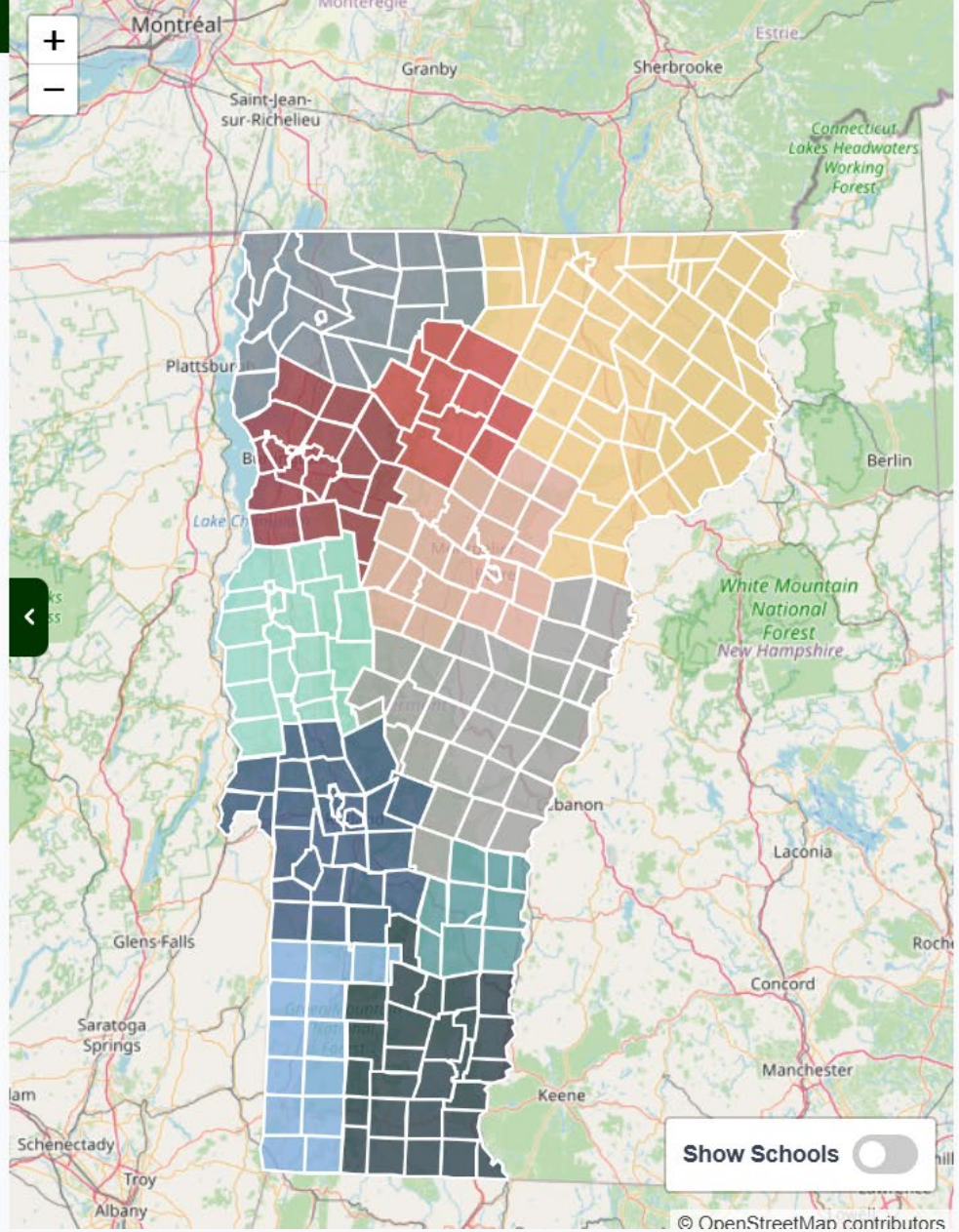
Get Started

- Click a town on the map to assign it to the active district.
- Use the "Supervisory Unions" tab to assign multiple towns at once.
- Or, start with districts preconfigured to a specific geography:

Blank

- Blank
- County
- School Board Association Regions
- Superintendent Association Regions
- CTE Regions
- Regional Planning Commissions

Pre-populate districts based on existing configurations.



Districts

RPCs

Northeastern Vermont Dev. Assoc. — 8,913 students
Proj 2025 Grand List per Student: $892,074
Towns:

Northwest RPC — 9,122 students
Proj 2025 Grand List per Student: $870,974
Towns:

Rutland RPC — 7,364 students
Proj 2025 Grand List per Student: $1,114,248
Towns:

Two Rivers-Ottauquechee RC — 7,367 students
Proj 2025 Grand List per Student: $1,416,249
Towns:

Windham RC — 5,599 students
Proj 2025 Grand List per Student: $1,960,725
Towns:

Generate Report

Add District | More...

https://map.vermont.gov/education/district-builder/

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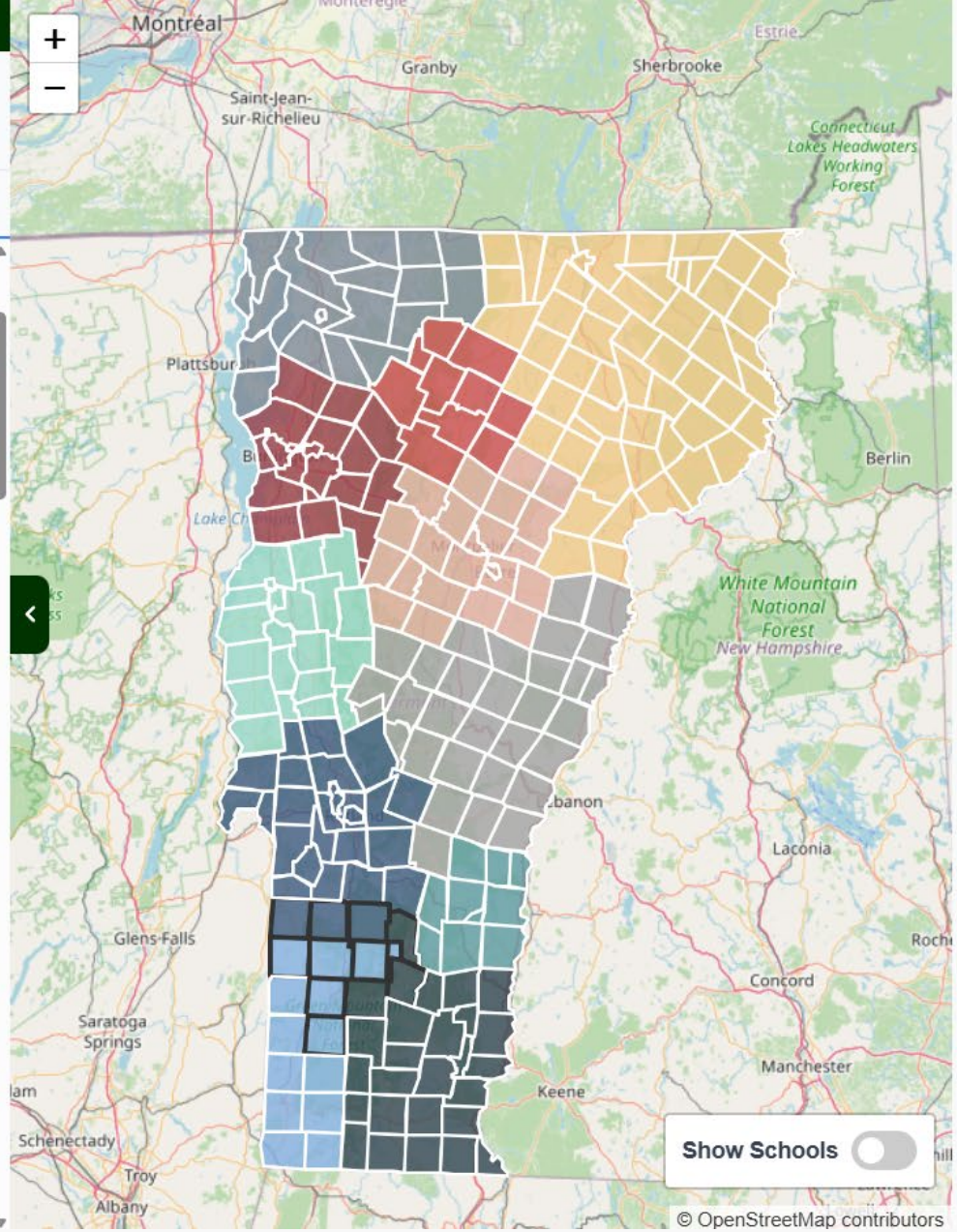
School District Builder

BETA v0.2.14

About | Supervisory Unions

- Addison Northwest SD — 932 students
- Barre UUSD — 2,212 students
- Bennington Rutland SU — 2,127 students
- [illegible] — [illegible] students
- [illegible] — 1,461 students
- Central Vermont SU — 1,338 students
- Champlain Valley SD — 4,126 students
- Colchester SD — 2,321 students
- Essex North SU — 449 students
- Essex Westford ECUUSD — 3,622 students

Each dot represents a town and the color represents the assigned district.



Districts

RPCs

Northeastern Vermont Dev. Assoc. — 8,913 students
Proj 2025 Grand List per Student: $892,074
Towns:

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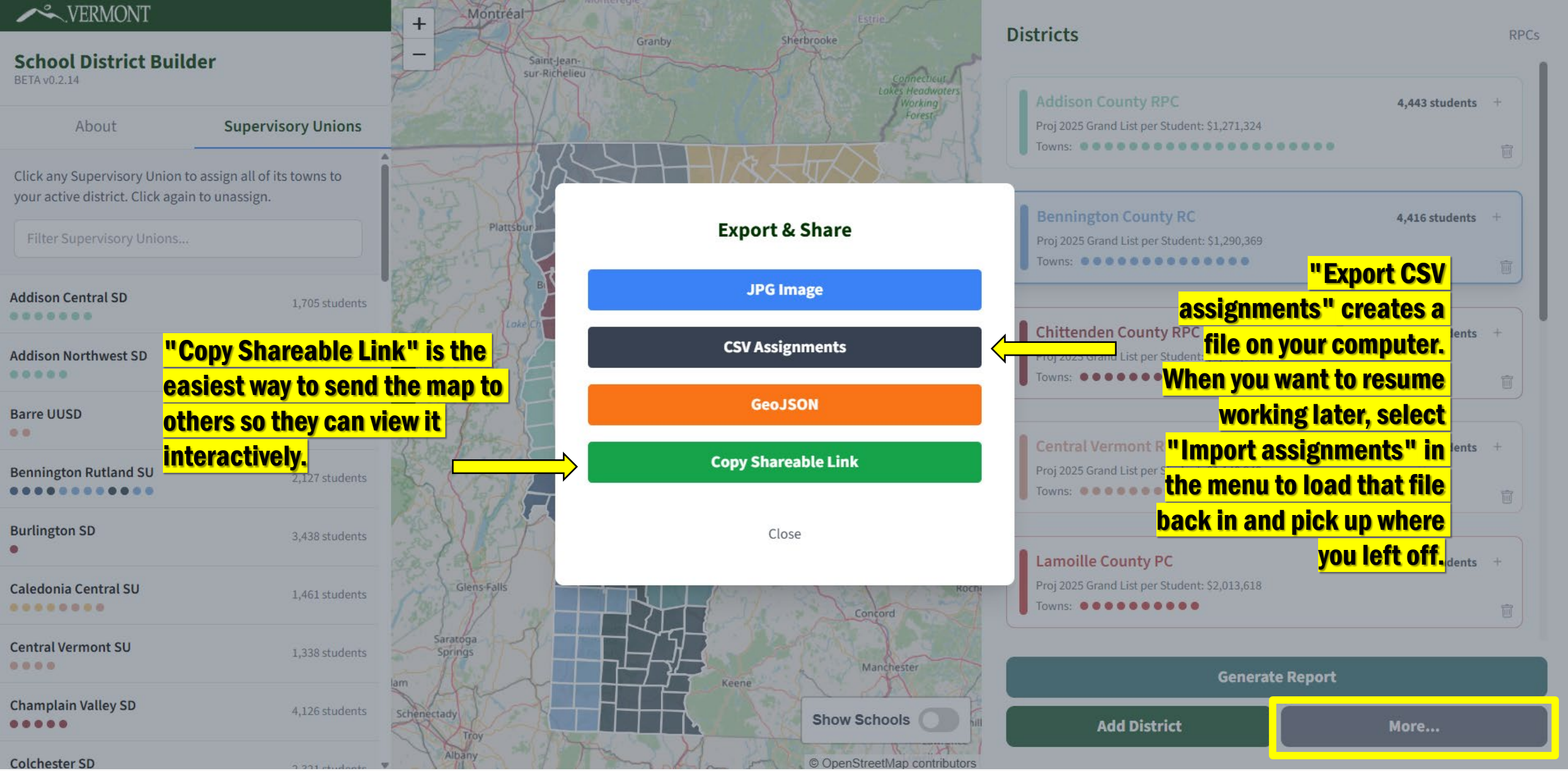
Windham RC — 5,599 students
Proj 2025 Grand List per Student: $1,960,725
Towns:

Generate Report

Add District | More...

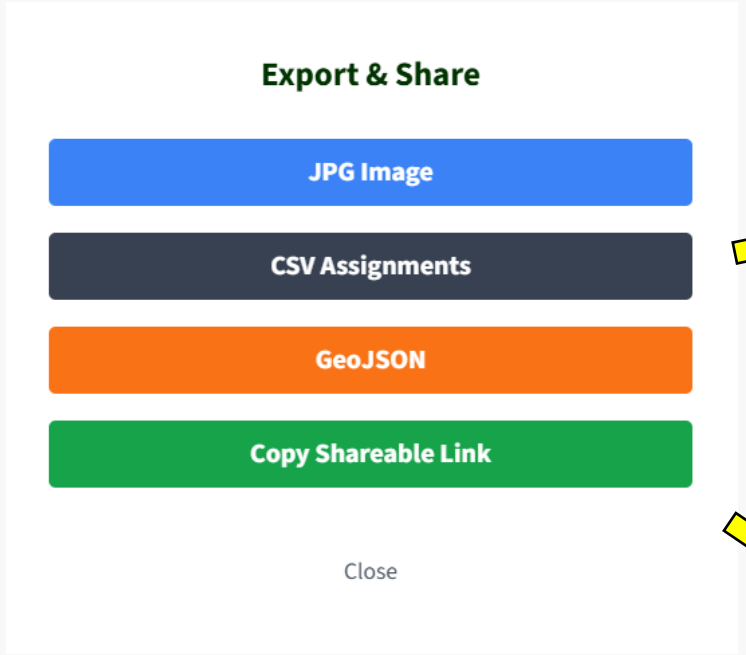
https://map.vermont.gov/education/district-builder/

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https://map.vermont.gov/education/district-builder/

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TOWNNAME	COUNTY	DISTRICT_	DISTRICT_NAME	PUBLIC_SCHOOL_STUDENTS	Public_Schools	Total_E_Ed_GL_Act73
ADDISON	ADDISON	1	Addison County RPC	146	0	248883143
ALBANY	ORLEANS	7	Northeastern Vermont Dev. A	133	1	91033773
ALBURGH	GRAND ISLE	8	Northwest RPC	281	1	337194873
ANDOVER	WINDSOR	6	Mount Ascutney RC	44	0	211651066
ARLINGTON	BENNINGTON	2	Bennington County RC	364	3	336553898
ATHENS	WINDHAM	11	Windham RC	48	0	34326026
AVERILL	ESSEX	7	Northeastern Vermont Dev. A	0	0	51408127
AVERY'S GORE	ESSEX	7	Northeastern Vermont Dev. A	0	0	2847369
BAKERSFIELD	FRANKLIN	8	Northwest RPC	194	1	126775242
BALTIMORE	WINDSOR	6	Mount Ascutney RC	19	0	21737801
BARNARD	WINDSOR	10	Two Rivers-Ottauquechee RC	139	1	420049817
BARNET	CALEDONIA	7	Northeastern Vermont Dev. A	237	1	263605642
BARRE CITY	WASHINGTON	4	Central Vermont RPC	1054	2	530286059
BARRE TOWN	WASHINGTON	4	Central Vermont RPC	1158	1	873890904
BARTON	ORLEANS	7	Northeastern Vermont Dev. A	400	3	231678771
BELVIDERE	LAMOILLE	5	Lamoille County PC	42	0	42476605
BENNINGTON	BENNINGTON	2	Bennington County RC	1788	5	1203427948
BENSON	RUTLAND	9	Rutland RPC	125	1	121594060
BERKSHIRE	FRANKLIN	8	Northwest RPC	264	1	129819114
BERLIN	WASHINGTON	4	Central Vermont RPC	349	1	631818732
BETHEL	WINDSOR	10	Two Rivers-Ottauquechee RC	269	2	209259777
BLOOMFIELD	ESSEX	7	Northeastern Vermont Dev. A	18	0	34368549

https://map.vermont.gov/education/district-builder/?data=eNplUl1z2jAQ_DV9U3d6OhPC-ImYEMjkg0CGpHkzWGAHkIMtoHQy_u29S8pMPx60Z59uT3srTc_fx6OkfifTzbKiLv0X-y0pdz4c5UN2DB1AP0EJaAC6biLQCDQGPTYMa2Ej2A540tjYmgvnfeGX4Z8uibFHre7DDmBvGoJ9UHgW4KihmE2SFyE4n7n_zr_FFN9Bc1AOWoHehESX4Ay8AOeNBXvwFhxkIzqPI5M4H6p0LfypqzaID6dJFkp9BW1AJajSWY6grmZ7oL7Ge_ASvAerShaVccvcpJuyWK_dn8qk3QX6GOFJWVahrYxZfGZutUhquvV8F7w7WVDqyActSuTkqB23zV1ZhdyIdXCV_0tuz-3x0aEu5zCEdtOCk1ELoXtZW9Ri6FEyPQxwLfFOsg-Qa8CLLIoUOgqZaitAa5AH_QDPwQ5cgQcNx-efGg6uPrIkRVyGHCshv6GCKk5wiSsMMQancceMd2Gd-uxEWMDmsK86nofdCp83YL1xnjazODWPh1Jri72r6q_3IaS77c7Nc-c-naEh6AE0AT0L18pDaeIrSfVnCVvArtW1IYKayDX4w8dRPDNPhc_ydPPb4z1sIrrtFexQ453CRBu9qKwz1SRO_QJtAduu



https://map.vermont.gov/education/district-builder/

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School District Builder Report

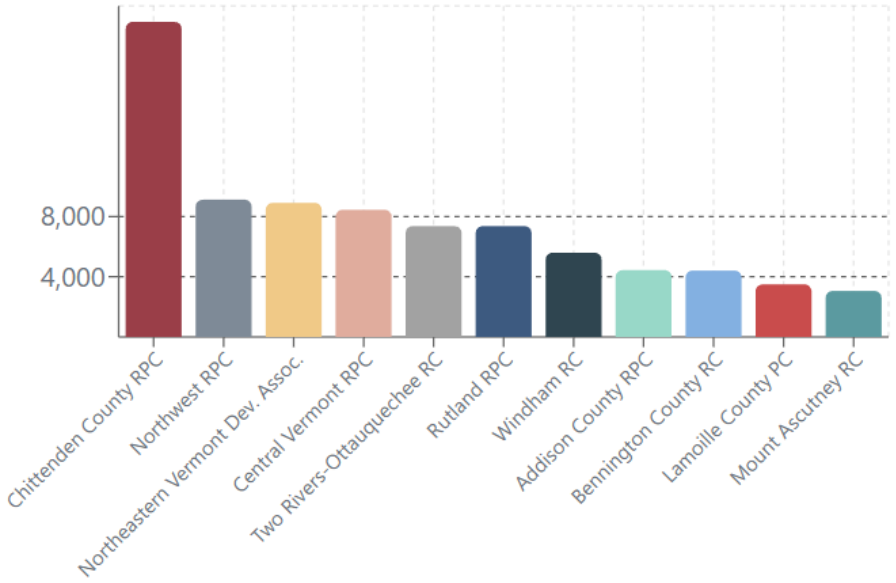
An overview of key metrics for all districts.

Back to Map

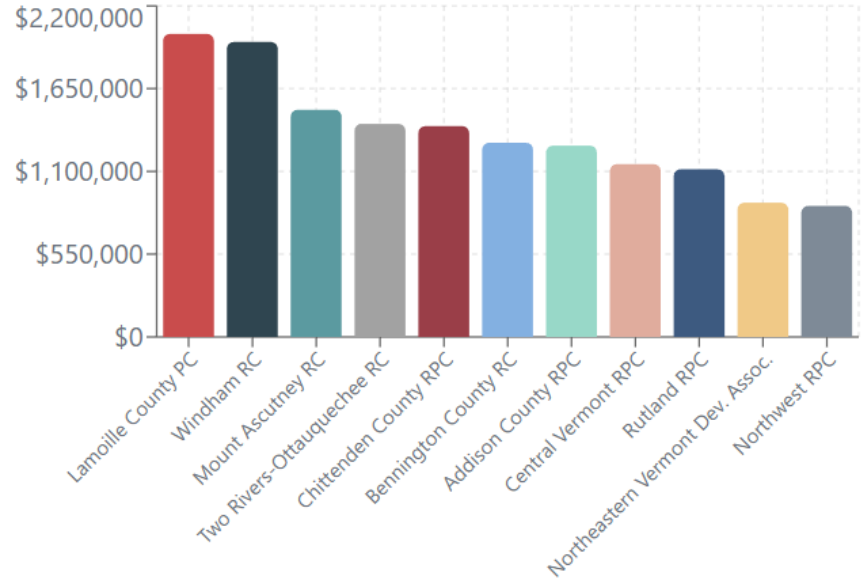
“Generate Report” creates charts and tables of summary statistics for the districts drafted.

District Overview

Average Daily Membership (FY25 PreK-12)



Grand List per Student (2025-Projected)



https://map.vermont.gov/education/district-builder/

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School District Builder Report

An overview of key metrics for all districts.

Back to Map

District Data Table

Click headers to sort.

DISTRICT NAME	ADM	10-YEAR CHANGE	TOTAL EQ ED GL	PUBLIC SCHOOLS BY TYPE	IND. SCHOOLS	FCI CATEGORIES	SU INTACT
Addison County RPC	4,443	▼ 7.2%	$5.6B	E M S K12	N/A		✓ 4 ✕ 2
Bennington County RC	4,416	▼ 9.9%	$5.7B	E M S K12	E S		✓ 1 ✕ 2
Central Vermont RPC	8,454	▼ 5.4%	$9.7B	E M S K12	N/A		✓ 5 ✕ 2
Chittenden County RPC	20,938	▼ 2.6%	$29.3B	E M S K12	N/A		✓ 8 ✕ 0
Lamoille County PC	3,494	▼ 6.0%	$7.0B	E M S K12	N/A		✓ 2 ✕ 1

https://map.vermont.gov/education/district-builder/

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School District Builder Report

An overview of key metrics for all districts.

Back to Map

District Profiles

Select a District to View Profile:

Addison County RPC | Bennington County RC | Chittenden County RPC | Central Vermont RPC | Lamoille County PC | Mount Ascutney RC | Northeastern Vermont Dev. Assoc. | Northwest RPC | Rutland RPC | Two Rivers-Ottauquechee RC | Windham RC

Addison County RPC

Total ADM	Total Grand List	Grand List / Student
4,443	$5,648,493,490	$1,271,324

Supervisory Union Status

Intact: 4
Divided: 2

Regional Planning Commission Status

Intact: 1
Divided: 0

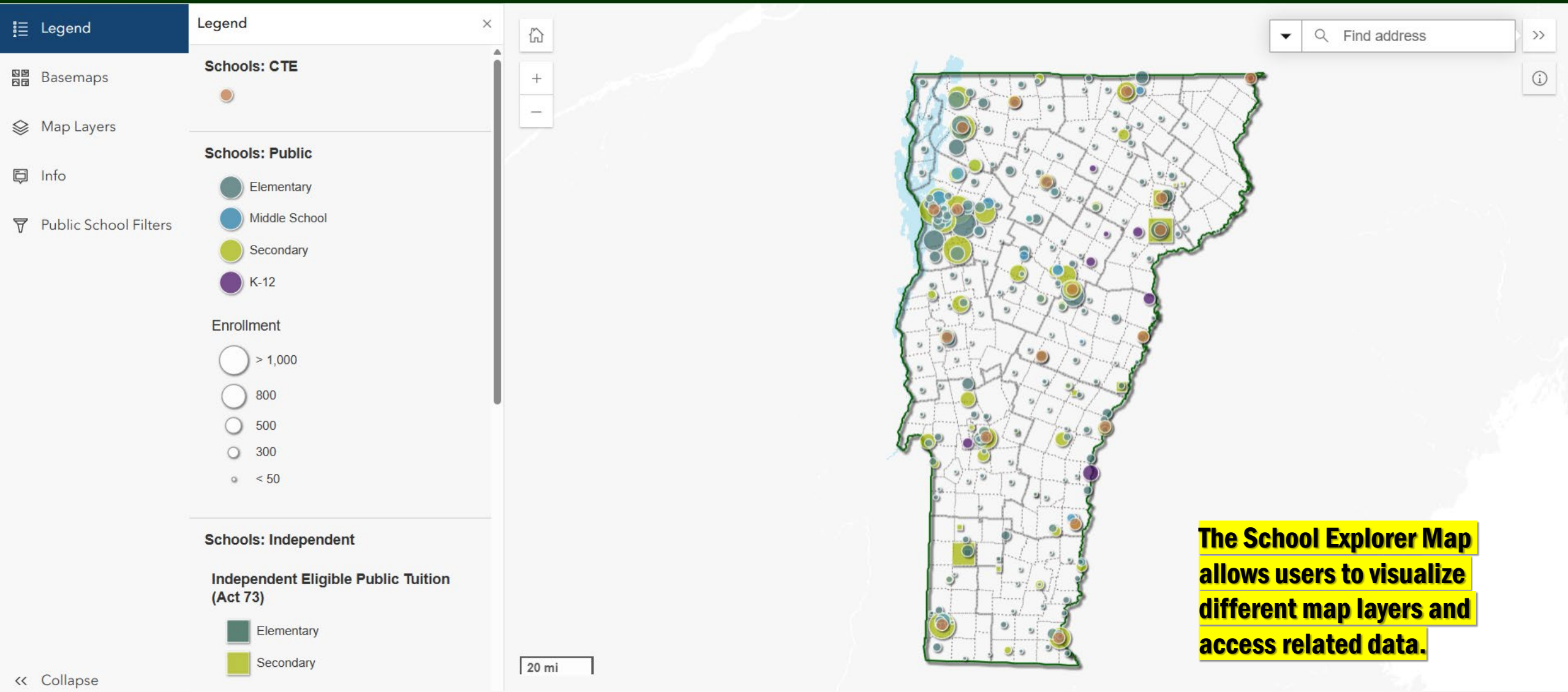
Towns Served (21)

Town	ADM	Home Eq Ed GL	Non-Home Eq Ed GL	Sq. Mi.
ADDISON	146	$128,335,803	$120,547,339	48.90
BRIDPORT	118	$98,173,479	$76,777,218	46.30

https://map.vermont.gov/education/district-builder/

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VT School Explorer Map

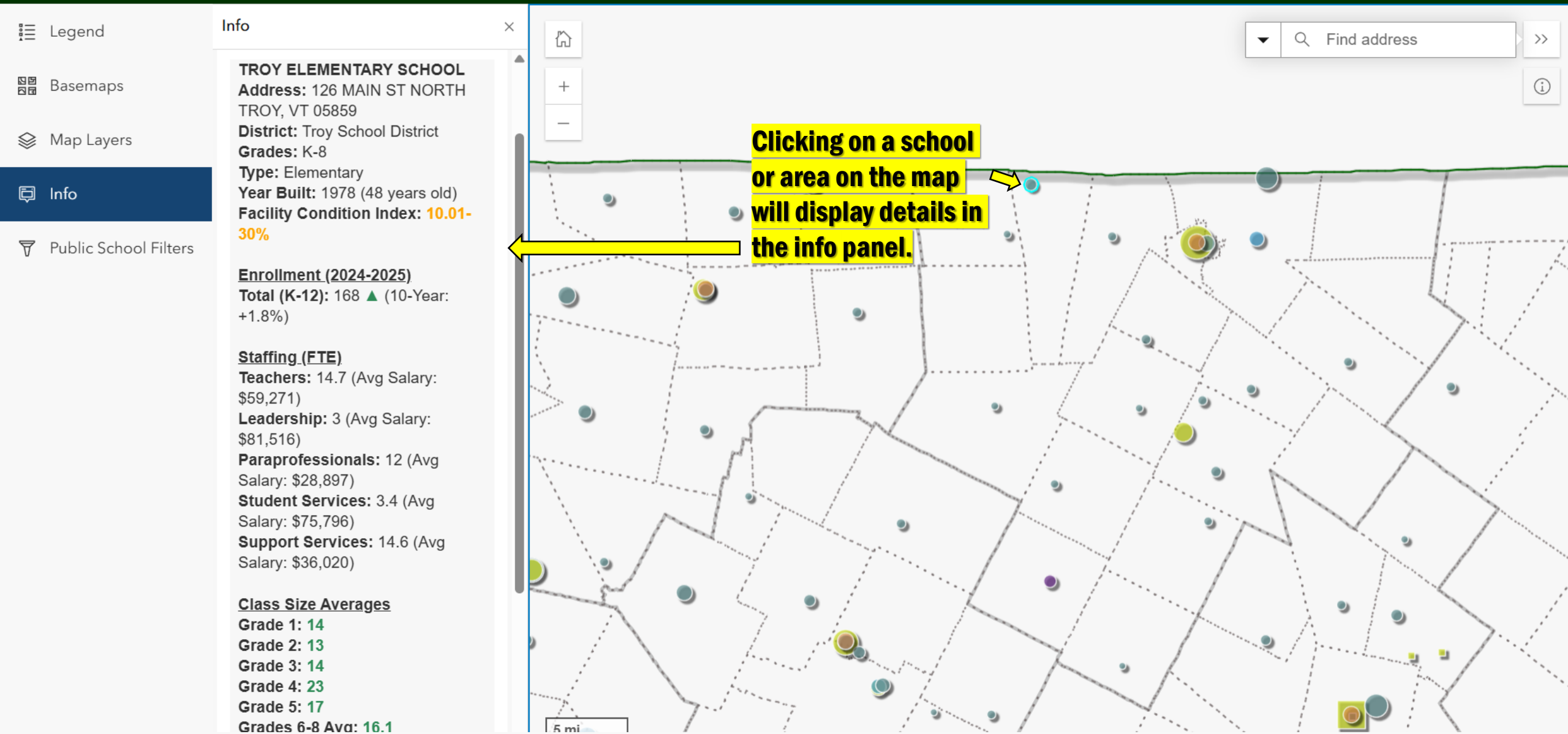


The School Explorer Map allows users to visualize different map layers and access related data.

https://map.vermont.gov/education/school-explorer/

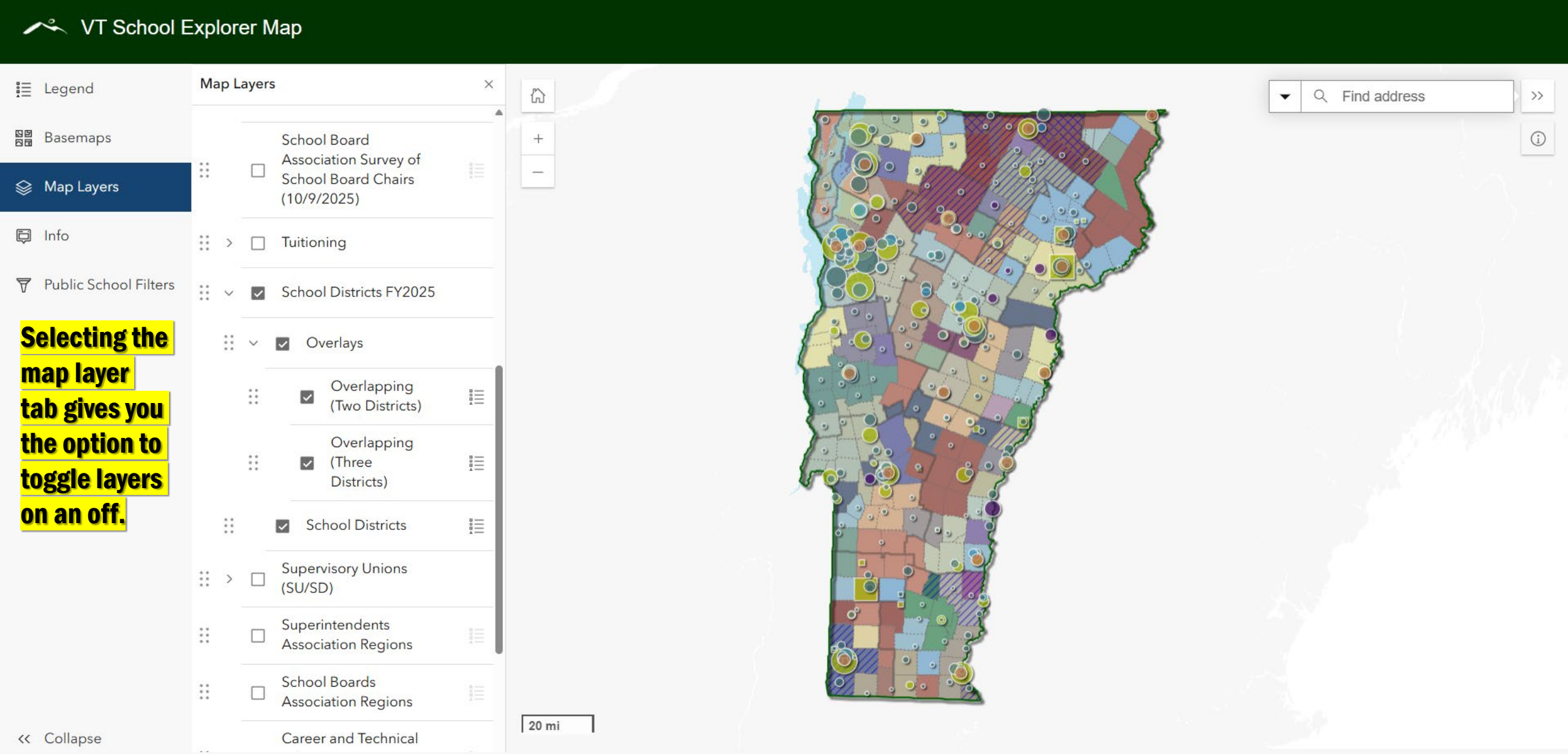
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VT School Explorer Map



https://map.vermont.gov/education/school-explorer/

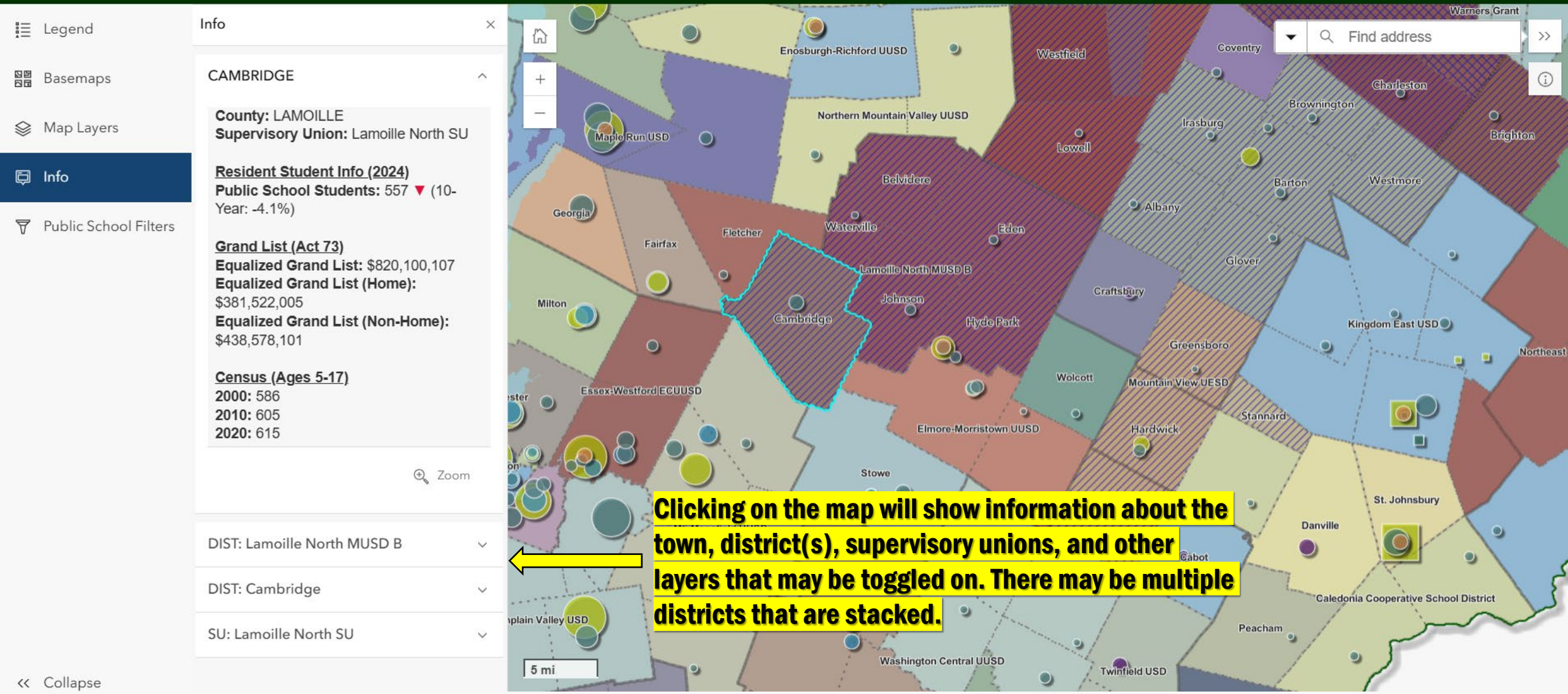
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https://map.vermont.gov/education/school-explorer/

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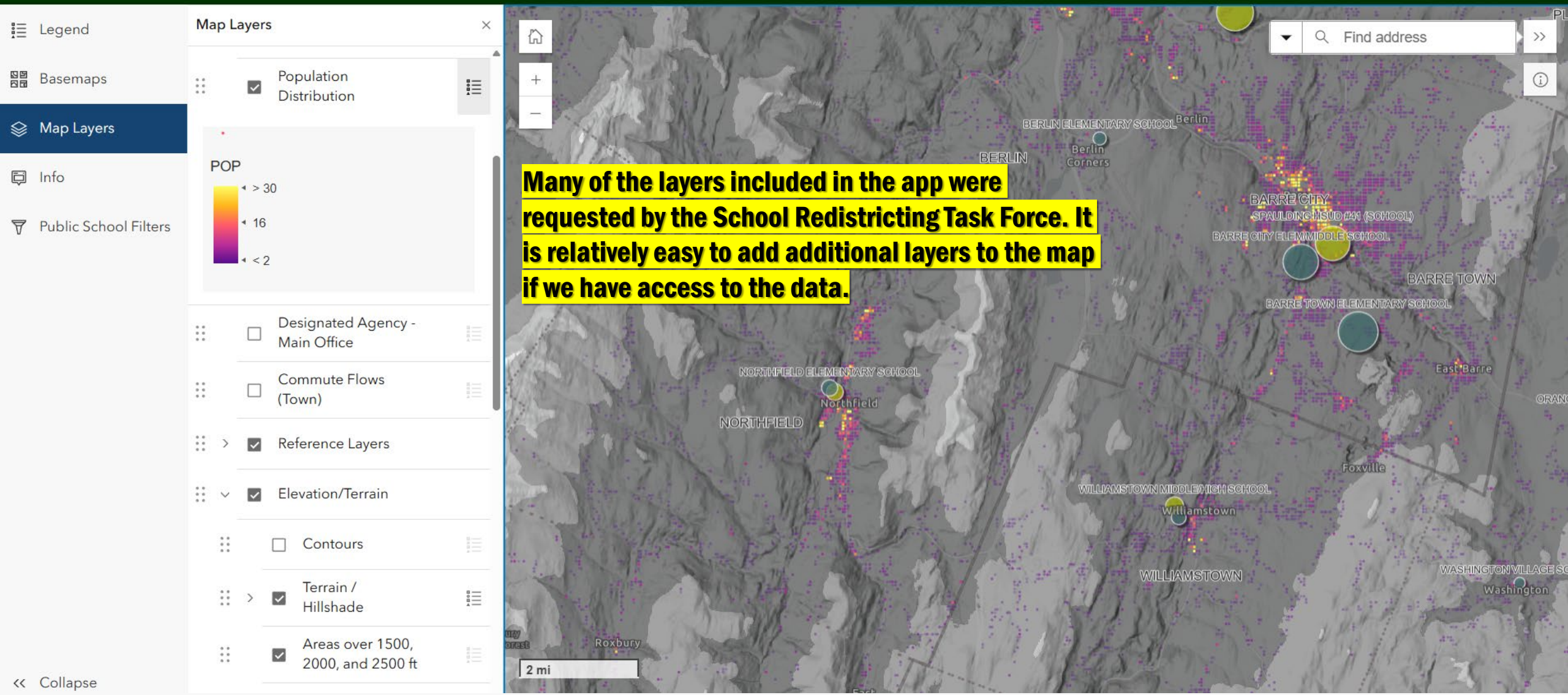
VT School Explorer Map



https://map.vermont.gov/education/school-explorer/

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VT School Explorer Map



https://map.vermont.gov/education/school-explorer/

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School Drive Time Explorer

The School Drive Time Explorer allows user to visualize which towns are within a certain driving distance of a school, and which schools are accessible from a specific town.

School View | Town View | Compare View

towns and estimated number of students within driving distance of a specific school.

School Type Filters 6 / 6

1. Select a School

TWINFIELD US #33

2. Set Max Drive Time: 45 min

Show Housing Unit Density

Results Summary

Est. students within **45 min** drive: **10,071**

Below are towns with student residents estimated to be within a 60-minute drive of **TWINFIELD US #33**.

RESULTS BY TOWN

Plainfield 151 students within 45 min

Total Students: 151

This shows an example of the estimated drive time for school aged children by town to Twinfield US #33.

Results Summary

Est. students within **40 min** drive: **7,905**

Below are towns with student residents estimated to be within a 60-minute drive of **TWINFIELD US #33**.

RESULTS BY TOWN

Plainfield 151 students within 40 min

Total Students: 151

Est. drive times for student residents to TWINFIELD US #33:

0-5 min:	44 (29%)
5-10 min:	39 (26%)
10-15 min:	62 (41%)
15-20 min:	6 (4%)
20-25 min:	0 (0%)
25-30 min:	0 (0%)
30-35 min:	0 (0%)
35-40 min:	1 (0%)
40-45 min:	0 (0%)
45-50 min:	0 (0%)
50-55 min:	0 (0%)
55-60 min:	0 (0%)

Town Statistics:

Public School Student residents (ADM): 151

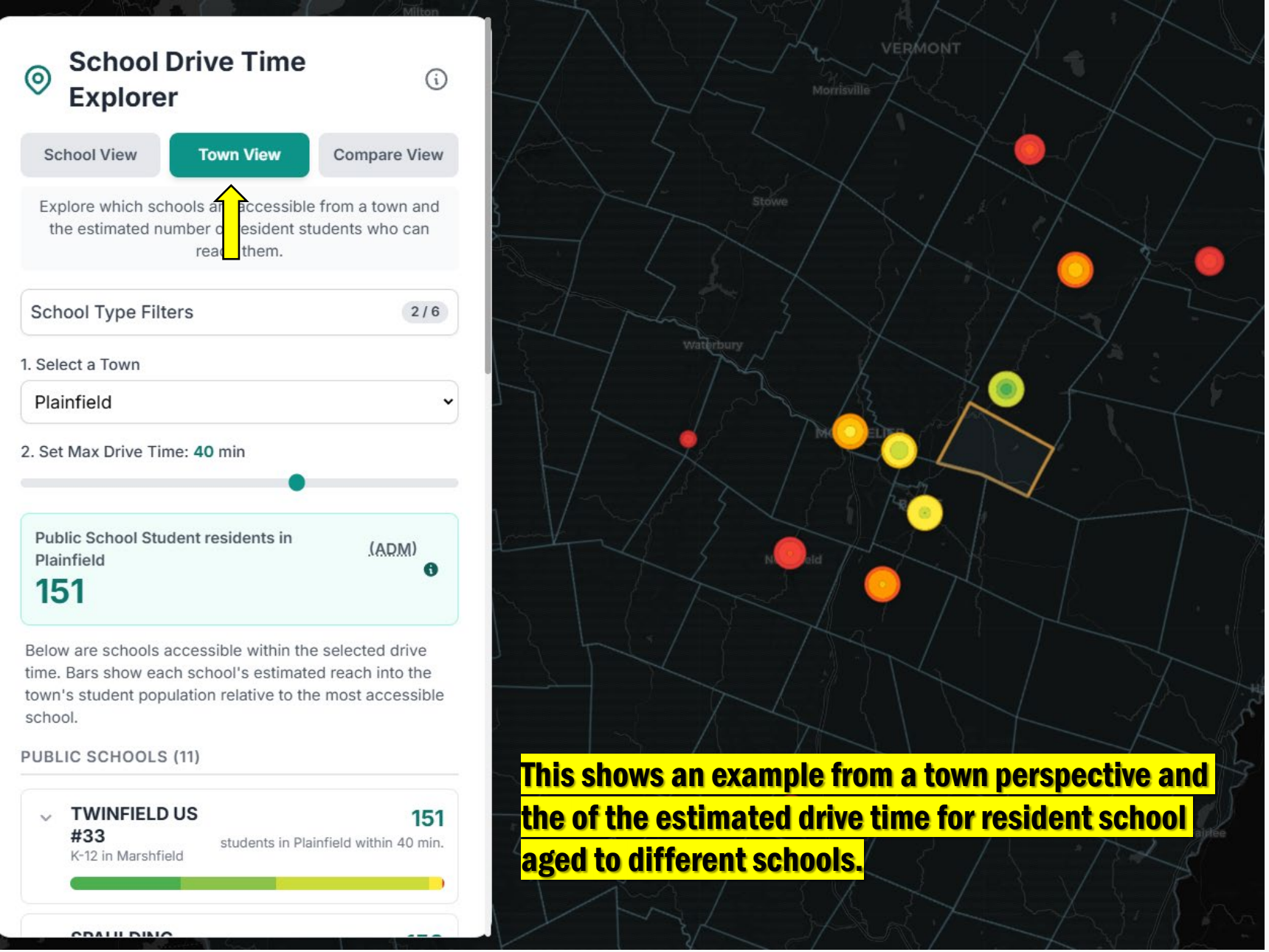
Marshfield 172 students within 40 min

Total Students: 172

East Montpelier 405

https://map.vermont.gov/education/drive-time/

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PUBLIC SCHOOLS (11)

TWINFIELD US #33
K-12 in Marshfield
151 students in Plainfield within 40 min.

Est. number of student residents in Plainfield by drive time:

0-5 min:	44 students (29%)
5-10 min:	39 students (26%)
10-15 min:	62 students (41%)
15-20 min:	6 students (4%)
20-25 min:	0 students (0%)
25-30 min:	0 students (0%)
30-35 min:	0 students (0%)
35-40 min:	1 students (0%)
40-45 min:	0 students (0%)
45-50 min:	0 students (0%)
50-55 min:	0 students (0%)
55-60 min:	0 students (0%)

Show Drive Times

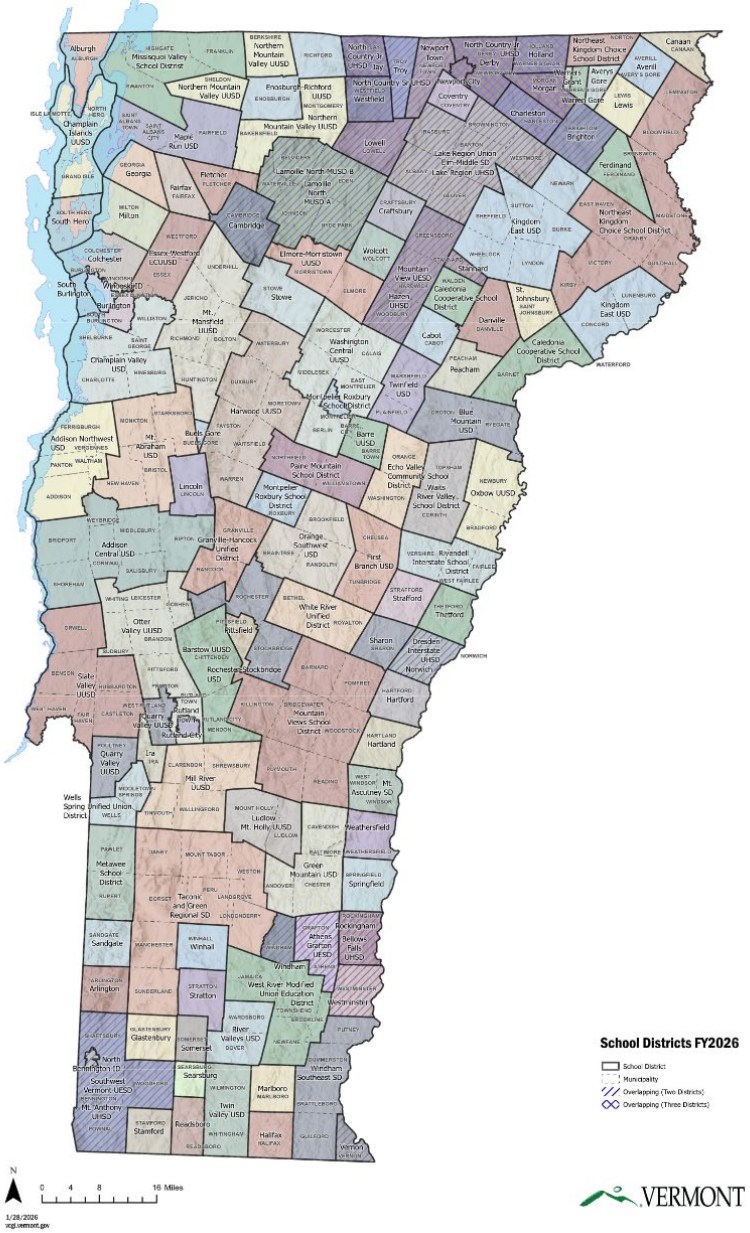
SPAULDING HSUD #41 (SCHOOL)
Secondary in Barre City
150 students in Plainfield within 40 min.

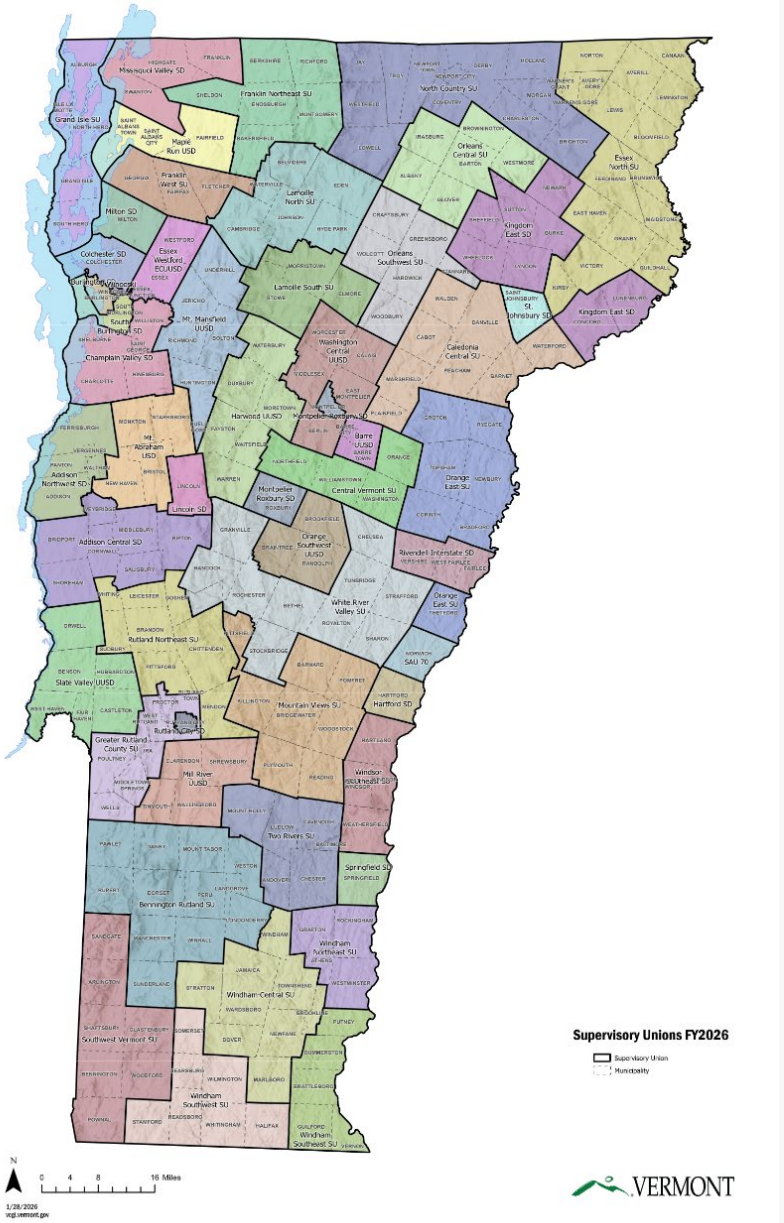
U32 HIGH SCHOOL UHSD #32 (SCHOOL)
Secondary in East Montpelier
150 students in Plainfield within 40 min.

https://map.vermont.gov/education/drive-time/

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[Districts 11x17]

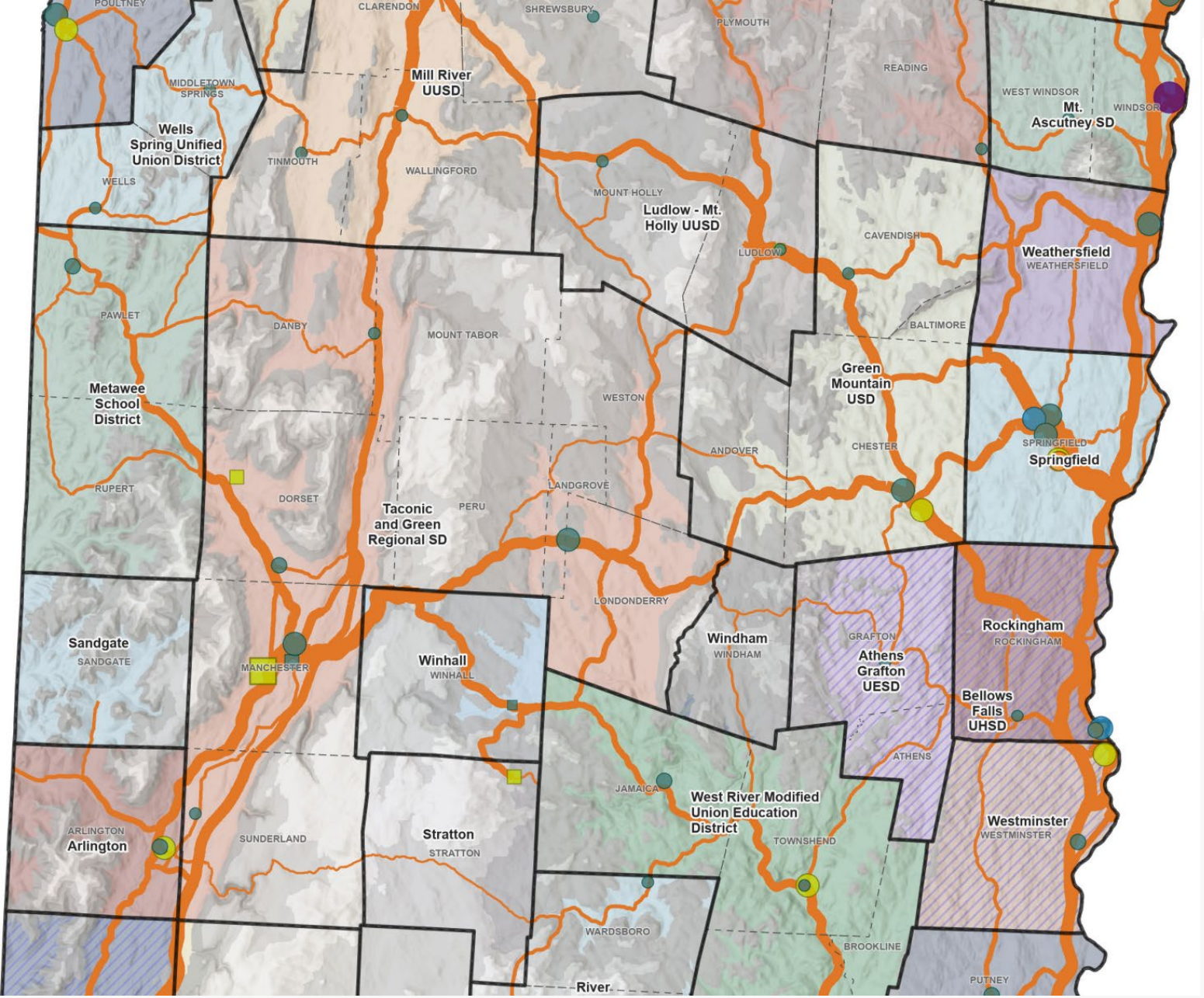




[SU/SD 11x17]

Existing Districts & Supervisory Unions

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School Districts (FY2026)

- Municipality
- School District
- Overlapping (Two Districts)
- Overlapping (Three Districts)

Public Schools
- CTE
- Elementary
- Middle School
- Secondary
- K-12

Enrollment
- <100
- 100 - 200
- 200 - 500
- 500 - 800
- > 800

Elevation (ft)
- 1,500 - 2,000
- 2,000 - 2,500
- 2,500+

Independent Schools (Eligible for Public Funding)
- Elementary
- Secondary

Enrollment
- < 100
- 100 - 200
- 200 - 500
- 500 - 800
- > 800

Annual Average Daily Traffic
- 10
- 100
- 500
- 1,000
- 10,000

[School Districts with Scools](#) and [traffic/elevation](#)
[SU/SD with Schools](#) and [traffic/elevation](#)

Existing Districts & Supervisory Unions

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Questions?

john.e.adams@vermont.gov



District Builder

An interactive tool for creating and evaluating school district boundaries.

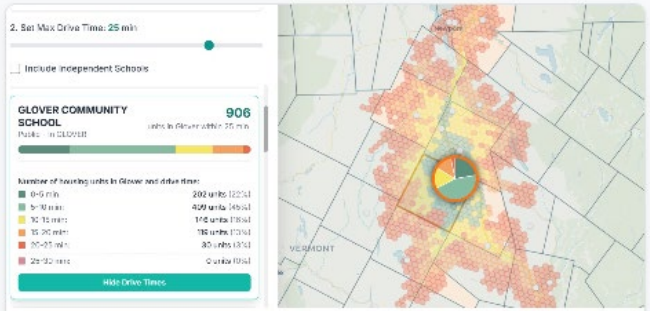
Launch District Builder



School Explorer

Explore detailed information about individual schools, districts, other map layers.

Launch School Explorer



Drive Time Mapper

Analyze transportation logistics with school drive time mapping.

Launch Drive Time Mapper

map.vermont.gov/education/

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