



# GIS Program Review

Presentation to the Salem Leadership

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GIS Manager  
2/9/2023



COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)

Last Updated at (M/D/YYYY)  
10/12/2021, 3:21 PM

Total Cases  
**238,557,111**

Total Deaths  
**4,862,317**

Total Vaccine Doses Administered  
**6,510,376,938**

Cases | Deaths by  
Country/Region/Sovereignty

**US**  
28-Day: **3,133,698** | **51,022**  
Totals: **44,515,976** | **715,078**

**United Kingdom**  
28-Day: **942,159** | **3,580**  
Totals: **8,270,022** | **138,348**

**Turkey**  
28-Day: **792,251** | **6,251**  
Totals: **7,475,085** | **66,368**

**India**  
28-Day: **696,341** | **7,750**  
Totals: **33,985,920** | **450,963**

**Russia**  
28-Day: **632,263** | **23,491**  
Totals: **7,714,973** | **214,476**

**Brazil**  
28-Day: **576,314** | **14,147**  
Totals: **21,582,738** | **601,213**

**Philippines**  
28-Day: **426,743** | **4,353**  
Totals: **2,683,372** | **39,896**

**Iran**  
28-Day: **398,067** | **8,109**  
Totals: **5,729,785** | **123,081**

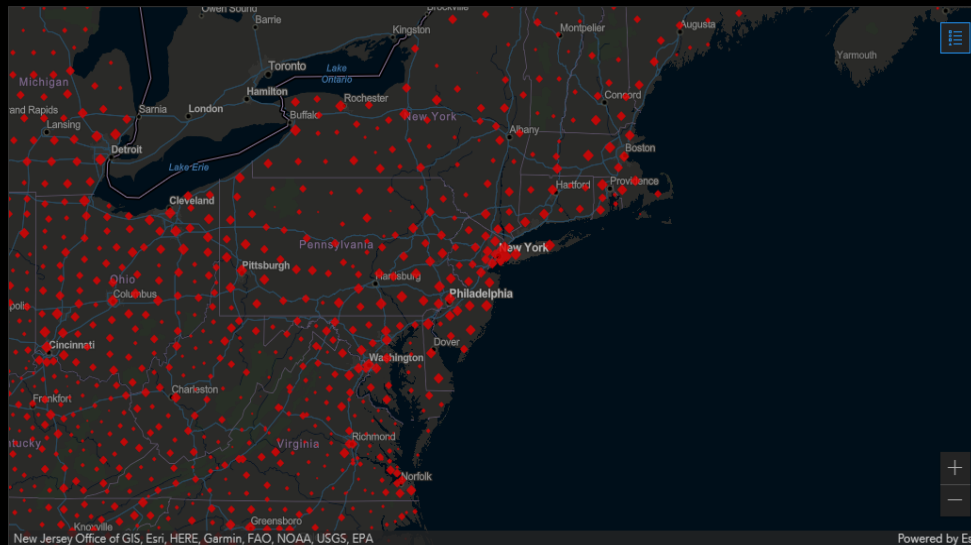
**Malaysia**

Admin0 Admin1 Admin2

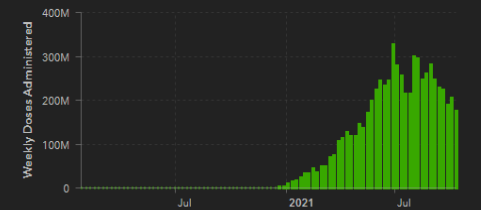
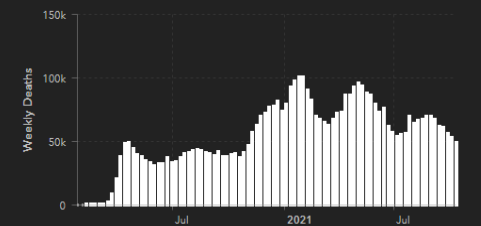
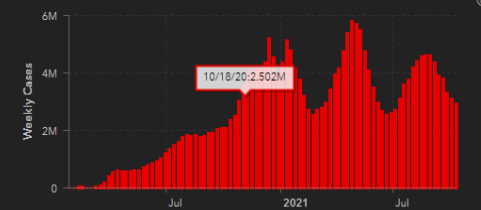
28-Day Cases  
**12,904,168**

28-Day Deaths  
**217,427**

28-Day Vaccine Doses Administered  
**727,514,986**



28-Day Totals Incidence Case-Fatality Ratio Global Vaccinations US Vaccinations Terms of Use

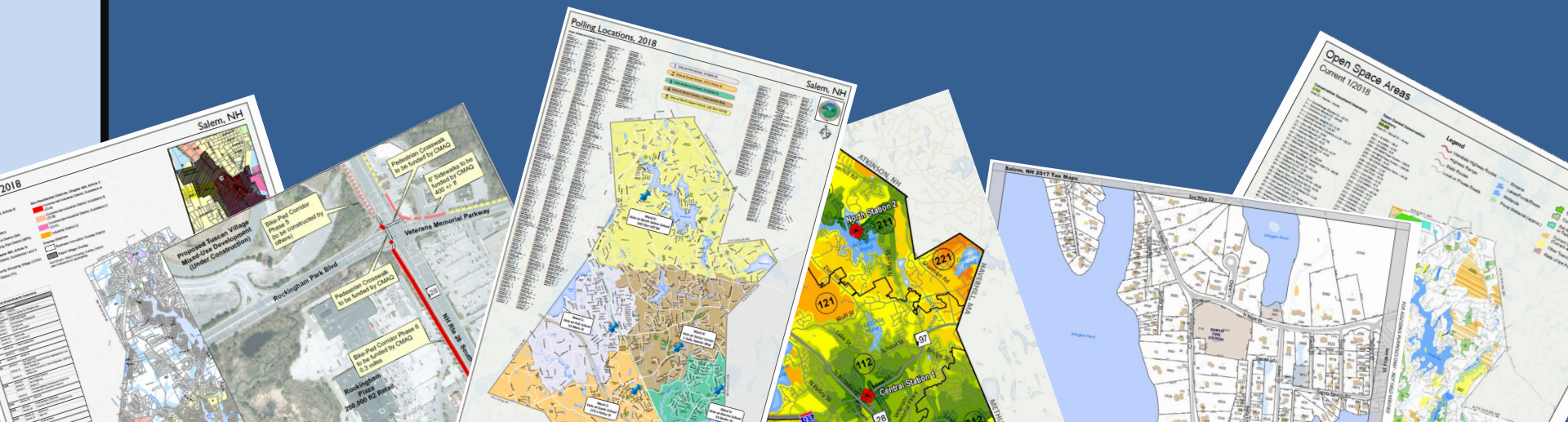


Weekly 28-Day



# GIS Program Overview

- Information tool used to link data and mapped features together
- Provides access to data via maps
- Anything that has a place can be part of a GIS





## Table Of Contents

- ☐ 442 n main st.JPG
- RGB
  - ☒ Red: Band\_1
  - ☒ Green: Band\_2
  - ☒ Blue: Band\_3
- ☒ christine In sub.JPG
- ☒ christine In as-built.jpg
- ☒ Freedom Drive
- ☒ freedom dr row.jpg
- ☒ 33 park ave.JPG
- ☒ 48 telfer.jpg
- ☒ 3 freedom dr.JPG
- ☒ 32 s shore rd.jpg
- ☒ South Shore as-built pg 6 of 8.j
- ☒ 32 s shore rd.jpg
- ☒ westchester st.JPG
- ☒ goodridge ave.JPG
- ☒ 3 s shore rd.JPG
- ☒ 19 s shore rd.JPG
- ☒ 2 s shore rd.JPG
- RGB
  - ☒ Red: Band\_1
  - ☒ Green: Band\_2
  - ☒ Blue: Band\_3
- ☒ butler & hunters run 1of5.JPG
- ☒ butler & hunters run 2of5.JPG
- ☒ butler & hunters run 3of5.JPG
- ☒ butler & hunters run 4of5.JPG
- ☒ butler & hunters run 5of5.JPG
- ☒ sylvan dr easement.JPG
- ☒ 12-26 glen rd.JPG
- ☒ 49 blake rd.JPG
- ☒ aulson rd.jpg
- ☒ Millville Lake Drive.JPG
- ☒ 50-16 kelly rd.JPG
- ☒ theodore ave.JPG
- ☒ pawtucket In.JPG
- ☒ general pulaski dr 2.JPG
- ☒ bannister rd.JPG
- ☒ Townsend Ave.JPG
- ☒ townsend ave 2of2.JPG
- ☒ general pulaski dr.JPG
- ☒ Millville Lake Drive 2.JPG
- ☒ Millville Lake Drive.JPG
- ☒ 2015 Granit Ortho

Identify

Identify from:

Parcels

Location: 1,102,544.419 105,271.565 Feet

Field	Value
MAP	82
Street Number	54
STREET	MILLVILLE ST
Lot	2929
Suffix	0
Parcel ID	82-2929-0
Owner	SALEM SCHOOL DISTRICT
Use (Description)	School-Public
Town Owned	<null>
DeedRed	1856/0191
LGIM Use	Educational / Church / Cemetery
Last Updated	5/11/2018 9:00:08 PM
Detailed Land Use	Educational

Identified 1 feature

Table

Parcels

	Suffix	Parcel ID	Owner	Use (Description)	Town Owned	DeedRed	LGIM Use	Last
▶	0	129-392-0	COOPER NORMAN S & HARRIET R	Raised Ranch	<Null>	2196/0304	Residential	3/20/2018 2:
	0	129-393-0	GARCIA DAN S & ERIN	Raised Ranch	<Null>	4440/1874	Residential	3/20/2018 2:
	0	129-394-0	MEDINA JULIO & KRYSZYNA	Raised Ranch	<Null>	3419/0826	Residential	3/20/2018 2:
	0	129-395-0	AIELLO LISA A	Raised Ranch	<Null>	4857/0341	Residential	3/20/2018 2:
	0	129-396-0	GUY CHRISTOPHER & DIANNE	Raised Ranch	<Null>	5615/1432	Residential	3/20/2018 2:
	0	129-397-0	FOSTER MICHAEL	Ranch	<Null>	3892/1468	Residential	3/20/2018 2:
	0	129-398-0	TRAPAN MICHAEL A & DEBORAH M	Ranch	<Null>	3774/2635	Residential	3/20/2018 2:
	0	129-399-0	MEDINA KRYSZYNA *	Raised Ranch	<Null>	3442/0231	Residential	3/20/2018 2:
	0	129-400-0	WAROSZEWSKI ANNA D	Ranch	<Null>	2286/1326	Residential	3/20/2018 2:
	0	129-401-0	HUNT RYAN	Cape Cod	<Null>	5762/0869	Residential	3/20/2018 2:

1 (0 out of 10316 Selected)

Parcels

## Assessing – Reviewed mapping/parcel inventory; data validation

**Building Department** – Administer Permit Software; assist operations and reporting

## Public Works – Assist with Site Review and ROW questions

## Fire – Data preparation for grant application

## Conservation Commission – Wildlife Corridor/forest fragmentation mapping



# Public Access

Property - Town of Salem, NH - x

Geographic Information System | x

+

townofsalemnh.org/gis

Apps MapGeo Salem NH | Vueworks Kronos AGOL Google Maps Vision Appraisal ICO Convert - Creat... DocuWare ICMA-RC Account... Reading list

NEW HAMPSHIRE

COVID-19 Information About Us Departments Boards & Committees Find It Fast

Infrastructure / Asset Management

MapGeo for Salem

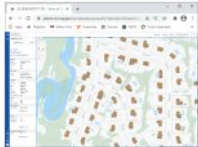
Printed Maps

Salem, NH 2021 Tax Maps

Home » Departments » Community Development and Planning

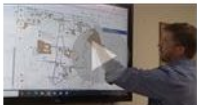
Geographic Information System (GIS) / Town Maps

Now Available MapGeo for Salem



**MapGeo for Salem** offers public access to GIS layers, including aerial imagery, parcel boundaries and administrative (zoning/voting districts) and infrastructure mapping. The site offers tools to turn layers on and off to see their spatial context and also provides the ability to access assessing information, including ownership and value details for selected parcels. Please see [this help site](#) for more information.

The data presented in the site is actively managed by GIS Manager John Vogl and Chief Assessor Chris Ruel. The parcel boundary lines shown represent the best available depiction and are updated as new information becomes available. This site should be used for planning purposes only.



Click to view a video tutorial on using MapGeo for Salem

News

Cemetery Expansion

Depot Reconstruction Roadwork - Phase II

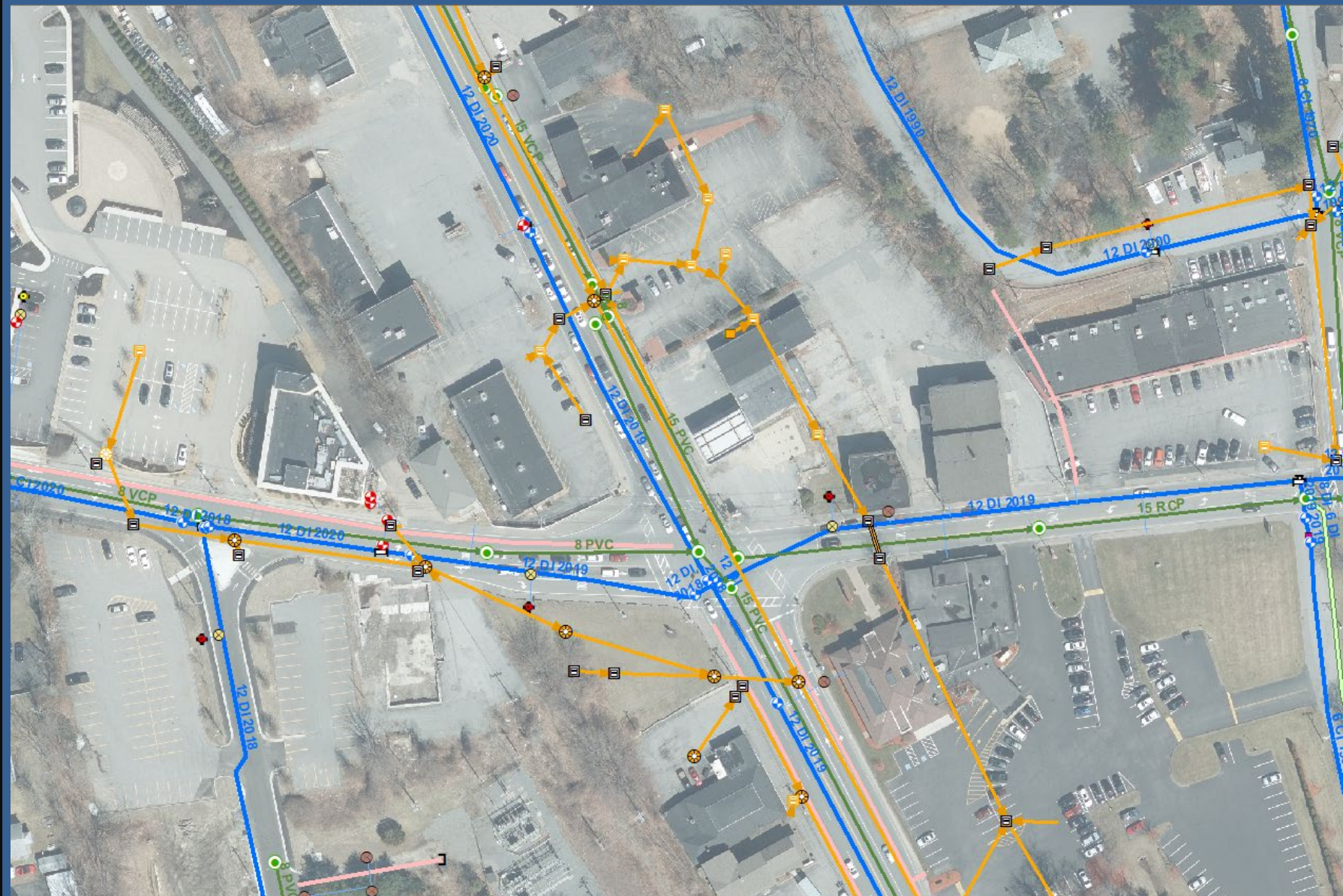
Energy-Saving Trees

Household Hazardous Waste Day

Depot Intersection Reconstruction - Update

View all

# Asset Management Program





# Asset Management Program

**Currently utilized by:**  
Municipal Services (all Divisions)  
& Police (Fleet)

**Applications:**  
Asset Inventory  
Maintenance History  
Work Order Tracking  
Condition Assessment



## Spring Hydrant Flushing App, 2022

**Hydrants\_with\_Fall\_Flush\_Data**

Status

- Did not Drain
- Needs Work Order
- Out of Service
- Good

**Hydrants\_with\_Spring\_Flush\_Data**

Status

- Did not Drain
- Needs Work Order
- Out of Service
- Good

**Public Water Hydrants**

**Water Mains**

**TownBorder hide**

Map showing hydrant status and water mains network. The map displays a network of blue lines representing water mains and green circles representing hydrants. A legend on the left indicates hydrant status: Did not Drain (red circle with X), Needs Work Order (blue circle with X), Out of Service (grey circle with X), and Good (green circle). The map also shows public water hydrants and water mains. A scale bar indicates 0.3 miles.

CROSS ST - Property | Town of Salem, NH GIS | Catch Basin and Pipe | Spring Hydrant Flushing App, 2022

salemgis.maps.arcgis.com/apps/webappviewer/index.html?id=73060f06bc34c4aaececdb3b20ba86

MapGeo | Salem NH | VUEworks | Kronos | Paychecks | AGOL | Google Maps | Vision Appraisal | Other bookmarks

## Catch Basin and Pipe Jetting Program, 2022

with ArcGIS Web AppBuilder

Find address or place

**Edit Features**

Select a template to create features

- Non CB Inlet Structures
  - New Feature
- Catch Basins
  - New Feature
- Drainage Manholes
  - New Feature

Map showing catch basins and pipe jetting program. The map displays a network of yellow lines representing catch basins and orange lines representing pipe jetting. A legend on the left indicates the status of these features. The map also shows a scale bar and a scale of 300 feet.



## Final Thoughts:

- Needs constant review/updates to stay current in a dynamic town
- Access to government services is changing
- GIS is active and present in most of what we do