Guide to mapping tools in Tompkins County

(updated 12/19/2023; * Starred resources discussed in the webinar.)

Resource name	Link	Key reason to use	Description
Tompkins County			
Mapping Tompkins*	https://mapping-tompkins-tompkinscounty.hub.arcgis.com/	Homepage to find mapping resources in the county.	Links to 20+ interactive maps and apps maintained by the Tompkins County GIS Division.
Natural Resources Inventory*	Original: https://apps.geocortex.com/webviewer/?app=615b6d34dd374aa9bf75626b78fb0ed0 Reporter: https://apps.geocortex.com/webviewer/?app=5d95cc69ab2348edbb96e42113b00c43	Look up environmental resources on a specific site.	Layers include agricultural, hydrology, wetlands, sensitive areas, and land use and land cover info.
Environmental Health*	https://apps.geocortex.com/webviewer/?app=b9348a6e2b2347b9ae48f35cc2ba0226	Look up aquatic resources that may be impacted by development.	Layers include private septic systems, water edge buffers, hydrology, etc.
State			
Riparian Opportunity Assessment*	https://www.nynhp.org/projects/statewide-riparian-assessment/	Find out about the condition of riparian areas in your municipality or create an in-depth Riparian Assessment.	A series of mappers and datasets for inventory of riparian areas–places adjacent to streams–to target for protection or restoration. Characterizes these areas regarding water quality and

			habitat quality. Provides comprehensive scores that combine measures of health and stress.
DECInfo Locator*	https://gisservices.dec.ny.gov/gis/dil/	Find state permitted facilities, find out about waterbody classification.	Access DEC documents and public data about the environmental quality of sites, as well as information about sites for outdoor recreation. More than 80 data layers are available at this time.
Environmental Assessment Form (EAF) Mapper*	https://gisservices.dec.ny.gov/eafmapper/	Fills in Part 1 of the EAF as part of the State Environmental Quality Review.	Answer some of the questions on Part 1 of the EAF that may be required as part of an application process.
Environmental Resource Mapper	https://www.dec.ny.gov/animals/38801.html	Find natural resources regulated by NYS (wetlands, rare and endangered species).	Used to identify some of New York State's natural resources and environmental features that are state protected or of conservation concern.
NY SeaGrant Environmental Justice Mapping Tools Guide	https://seagrant.sunysb.edu/articles/t/resources-diversity-equity-and-inclusion-dei-resources	Has a guide to many different Environmental Justice (EJ) mapping tools.	Beyond the guide, this page includes recordings of five webinars on EJ tools with explanations and tutorials. Useful to anyone exploring equity issues in planning at a community and regional scale.

Federal			
Flood Insurance Rate Maps (FEMA)*	https://fema.maps.arcgis.com/apps/webappviewer/index.html?id=100688d46a7a4a55910316b4711f1d2a	Determine if a property is in a regulated flood zone.	Updated FIRMs are considered "Preliminary" - map shows 1% and 0.2% Annual Chance Flood Hazard. In the 1% Special Flood Hazard Area, flood insurance is required for buildings with mortgages.
StreamStats (USGS)*	https://streamstats.usgs.gov/ss/	Delineate the watershed contributing to any point and export it for use in other reports, maps, and tools.	Delineate drainage areas to get basin characteristics and estimates of flow statistics.
Web Soil Survey*	https://websoilsurvey.nrcs.usda.gov/app/ (tips and shortcuts: https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil/wss-tips-and-shortcuts)	Generate a soil survey write-up focused only on the soils in an area of your choice.	Soil surveys can be used for general farm, local, and regional area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications.
U.S. Climate Resilience Toolkit Climate Explorer	https://crt-climate-explorer.nemac.org/	Modeled and observed climate conditions.	
Model My Watershed*	https://modelmywatershed.org/	Estimates stream flows for any location.	Analyze mapped watershed data, visualize monitoring data, and run model simulations of human impacts on water quality.
NOAA's Weather and Climate		Add weather and climate data	Allows the visualization and

Toolkit (WCT)	https://www.ncdc.noaa.gov/wct/	to other maps.	data export of weather and climate data, including radar, satellite, and model data.
Other			
Community Science Institute (CSI)	http://www.database.communityscience.org/	Find water quality data.	Database includes stream and lake samples collected by local volunteers and analyzed in a certified lab. CSI's goal is to create a shared understanding of water quality that contributes to the development of effective and sustainable strategies for managing water resources.
ESRI Living Atlas	https://livingatlas.arcgis.com/en/browse/#d=2	You can often add these layers to other tools to customize for your needs.	Has a variety of data layers available throughout the world.