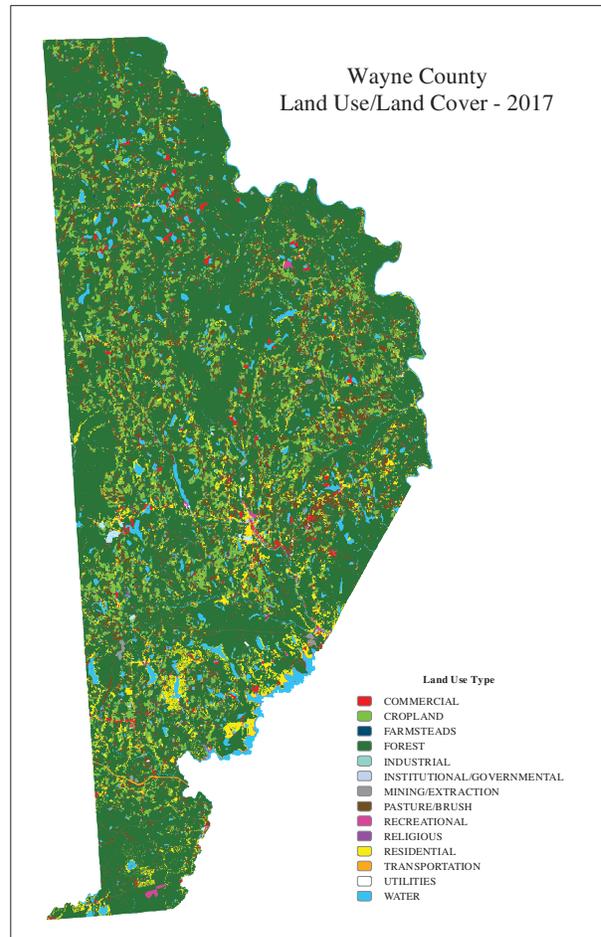


# **COUNTY TOPICS**

# Wayne County Land Use / Land Cover Update

In 2017, after securing a contract with Pictometry, Wayne County obtained updated aerial imagery of the entire County's land area. The flight to acquire the images occurred in the spring of that year and the images were received in late summer. Since that time, the photos have been utilized by a number of County offices in their daily operations, including 911 and the Wayne County Tax Assessment Office. An important benefit to the Planning/GIS office was that the new imagery provided the necessary means to update the County's land use/land cover dataset.

The land use/land cover dataset was originally created in 2007 as a product of the Agricultural Land Use Study. The basis of that project was to create a base land use/land cover dataset by utilizing 1959 aerial imagery obtained from the USDA. Once that base layer was established, the same process was utilized to create a 1997 land use/land cover data layer using aerial imagery available at that time. Having all of the County's land area delineated and classified by type allowed for comparison and, therefore, showed how changes to the County's land area were occurring over time. With the use of Statewide aerial imagery in 2008, our office again produced an update to the County's land use/land cover dataset. The most recent procurement of the 2017 imagery again provided our office with an opportunity to continue this process and develop a current dataset. Our office completed the update in the fall of 2019 and the new dataset, complete with numerical totals of each land use/land cover category, is available for use by the general public, the County and its 28 municipalities for future land use planning efforts.



In terms of utilizing the data in land use planning, a number of municipal planning efforts have already taken advantage of the availability of this information. Both the 'Lake Region' Comprehensive Plan comprising the municipalities of Hawley Borough, Palmyra Township and Paupack Township and the 'East Central' Comprehensive Plan comprising the municipalities of Damascus, Oregon and Manchester Townships have already received both updated statistical information and maps for use in their plans. Going forward, the data obtained through our analyses and the resulting mapping capabilities will play an important role in County planning efforts, most notably a future County Comprehensive Plan Update. The County's land use/land cover as a whole is summarized in the table on the following page.

Existing Land Use/Land Cover by Acreage - 2017

Municipality	Forest	Pasture/Brush	Cropland	Water	Residential	Farmstead	Commercial	Transportation	Recreation	Mining/Extraction	Government/Institutional	Religious	Industrial	Utilities	Total
Buckingham	23,201	2,313	1,578	797	632	65	378	0	9	56	7	10	11	0	29,058
Damascus	31,118	8,472	5,874	1,607	3,582	359	202	3	13	75	32	32	9	4	51,381
Lebanon	18,023	1,880	2,677	708	782	146	157	18	2	20	5	3	0	0	24,423
Manchester	22,111	2,741	1,789	688	1,042	94	168	0	119	46	11	11	8	12	28,840
Mt Pleasant	23,665	4,630	6,043	645	1,413	226	119	1	4	3	47	27	16	4	36,844
Preston	21,323	3,801	4,408	1,390	1,229	139	561	2	6	65	32	8	21	2	32,987
Scott	22,560	2,691	1,837	482	648	80	73	0	1	76	3	1	1	0	28,453
Starrucca	3,443	860	1,166	49	166	28	2	0	2	2	0	9	1	0	5,728
<b>Northern Wayne</b>	<b>165,446</b>	<b>27,389</b>	<b>25,372</b>	<b>6,367</b>	<b>9,493</b>	<b>1,136</b>	<b>1,661</b>	<b>24</b>	<b>158</b>	<b>343</b>	<b>137</b>	<b>101</b>	<b>67</b>	<b>22</b>	<b>237,715</b>
% of Region	69.6%	11.5%	10.6%	2.7%	4.0%	0.5%	0.7%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	100%
% of County	52.7%	50.4%	51.5%	36.5%	28.1%	45.0%	37.4%	4.6%	15.2%	36.4%	12.5%	23.8%	28.7%	9.9%	49.5%
Berlin	15,178	4,621	1,473	1,161	2,150	106	462	0	13	62	27	19	32	19	25,322
Bethany	80	81	14	2	115	0	17	0	3	0	0	8	0	0	320
Canaan	8,405	902	1,015	631	700	44	202	0	0	0	369	17	2	7	12,292
Cherry Ridge	7,786	1,871	2,463	537	1,326	105	95	49	0	0	6	3	4	1	14,245
Clinton	16,876	2,675	3,465	712	1,287	179	51	0	6	25	6	10	12	12	25,316
Dyberry	8,551	1,880	1,981	550	1,310	77	133	0	1	23	126	16	8	0	14,655
Hawley	93	16	0	23	165	0	43	8	30	0	10	10	0	2	402
Honesdale	768	327	151	120	716	7	180	11	78	6	102	71	23	14	2,574
Oregon	6,611	1,530	2,186	239	771	114	42	0	0	3	0	3	0	0	11,501
Palmyra	7,734	691	433	307	865	36	82	31	2	184	6	20	1	6	10,398
Prompton	639	98	31	94	128	6	3	0	35	0	1	1	1	33	1,070
South	10,295	2,442	3,427	507	1,052	245	49	0	0	0	70	59	9	5	18,161
Texas	5,269	1,203	863	230	1,128	52	290	30	4	20	97	10	9	6	9,210
Waymart	815	196	261	45	304	15	96	0	1	0	14	7	7	6	1,766
<b>Central Wayne</b>	<b>89,102</b>	<b>18,532</b>	<b>17,762</b>	<b>5,157</b>	<b>12,018</b>	<b>985</b>	<b>1,744</b>	<b>129</b>	<b>173</b>	<b>323</b>	<b>834</b>	<b>253</b>	<b>108</b>	<b>112</b>	<b>147,233</b>
% of Region	60.5%	12.6%	12.1%	3.5%	8.2%	0.7%	1.2%	0.1%	0.1%	0.2%	0.6%	0.2%	0.1%	0.1%	100%
% of County	28.4%	34.1%	36.1%	29.6%	35.6%	39.0%	39.2%	24.7%	16.5%	34.3%	76.3%	59.5%	46.5%	49.7%	30.7%
Dreher	7,465	686	262	127	881	12	83	0	80	0	29	8	10	3	9,646
Lake	10,462	2,366	1,276	1,398	3,094	164	159	0	55	167	25	13	8	2	19,188
Lehigh	5,967	330	0	423	1,052	0	91	19	171	0	8	5	1	8	8,076
Paupack	12,391	812	454	3,082	3,450	30	328	0	281	0	7	7	0	33	20,875
Salem	10,408	2,501	2,977	727	2,797	171	303	19	116	42	44	31	19	21	20,178
Sterling	12,816	1,704	1,125	150	1,019	27	76	330	9	66	8	7	19	25	17,382
<b>Southern Wayne</b>	<b>59,509</b>	<b>8,398</b>	<b>6,094</b>	<b>5,905</b>	<b>12,293</b>	<b>405</b>	<b>1,041</b>	<b>369</b>	<b>713</b>	<b>275</b>	<b>122</b>	<b>71</b>	<b>58</b>	<b>91</b>	<b>95,344</b>
% of Region	62.4%	8.8%	6.4%	6.2%	12.9%	0.4%	1.1%	0.4%	0.7%	0.3%	0.1%	0.1%	0.1%	0.1%	100%
% of County	18.9%	15.5%	12.4%	33.9%	36.4%	16.0%	23.4%	70.7%	68.3%	29.3%	11.2%	16.7%	24.8%	40.4%	19.9%
<b>Wayne County</b>	<b>314,057</b>	<b>54,319</b>	<b>49,228</b>	<b>17,430</b>	<b>33,804</b>	<b>2,526</b>	<b>4,446</b>	<b>522</b>	<b>1,043</b>	<b>941</b>	<b>1,093</b>	<b>425</b>	<b>233</b>	<b>224</b>	<b>480,292</b>
% of County	65.4%	11.3%	10.2%	3.6%	7.0%	0.5%	0.9%	0.1%	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	100.0%

Source: Wayne County Planning/GIS Department - Land Use/Land Cover Update

# Wayne County GIS

The Wayne County Planning/GIS Department works on GIS (Geographic Information Systems) projects throughout the year. These include daily maintenance tasks such as setting addresses, amending building footprints, maintaining road centerlines, revising tax parcel boundaries, and updating the County's 911 system. In addition, the department regularly supports other County offices that either use GIS directly or rely on GIS data for their projects and workflows. We also serve the public through data requests, custom cartography, aerial mapping products, and an interactive online mapping application.

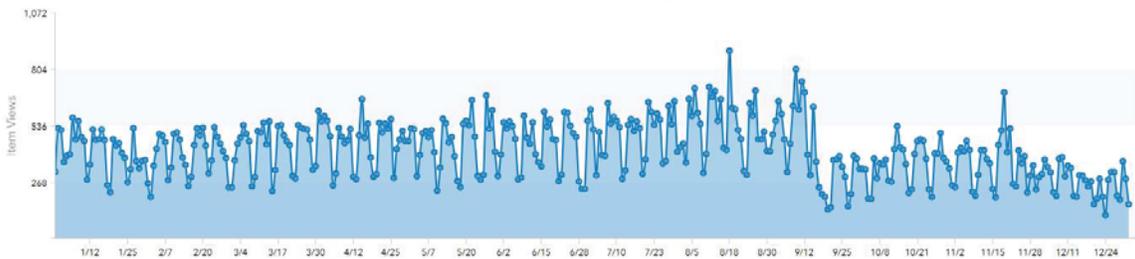
The following are examples of County GIS projects from 2019 and some of the ongoing projects worked on throughout the year.

## Wayne County Interactive Map

The Planning/GIS Department's interactive web map shows tax parcels/ownership, roads, and verified 9-1-1 addresses within Wayne County. The total yearly view count for 2019 was 156,918 with a daily average of 430 views per day. The interactive map can be found on the Wayne County website (<http://waynecountypa.gov/>).



*Interactive map snapshot*



*Interactive map viewership numbers for 2019*

## Wayne County Assessment and GIS

The Wayne County Department of Planning/GIS works closely with the Tax Assessment Office to help maintain tax parcel data, right-of-ways, building footprints, the County's clean and green program (preferential tax abatement), and more. This is an ongoing relationship where information is exchanged between the two offices.

### Floodplain Mapping

Floodplain considerations are a key piece of development planning. Maps showing floodplains are created by the Federal Emergency Management Agency (FEMA). Changes to this mapping were made to certain portions of Wayne County in 2019 and based on detailed studies completed since the last major update in 2013. This past year, Honesdale Borough requested a map highlighting FEMA's 100 year floodplain throughout the borough and any adjacent properties. While our office does not make site specific floodplain designations, we can utilize floodplain data provided by FEMA to produce maps for planning purposes, which we were able to do for Honesdale Borough.



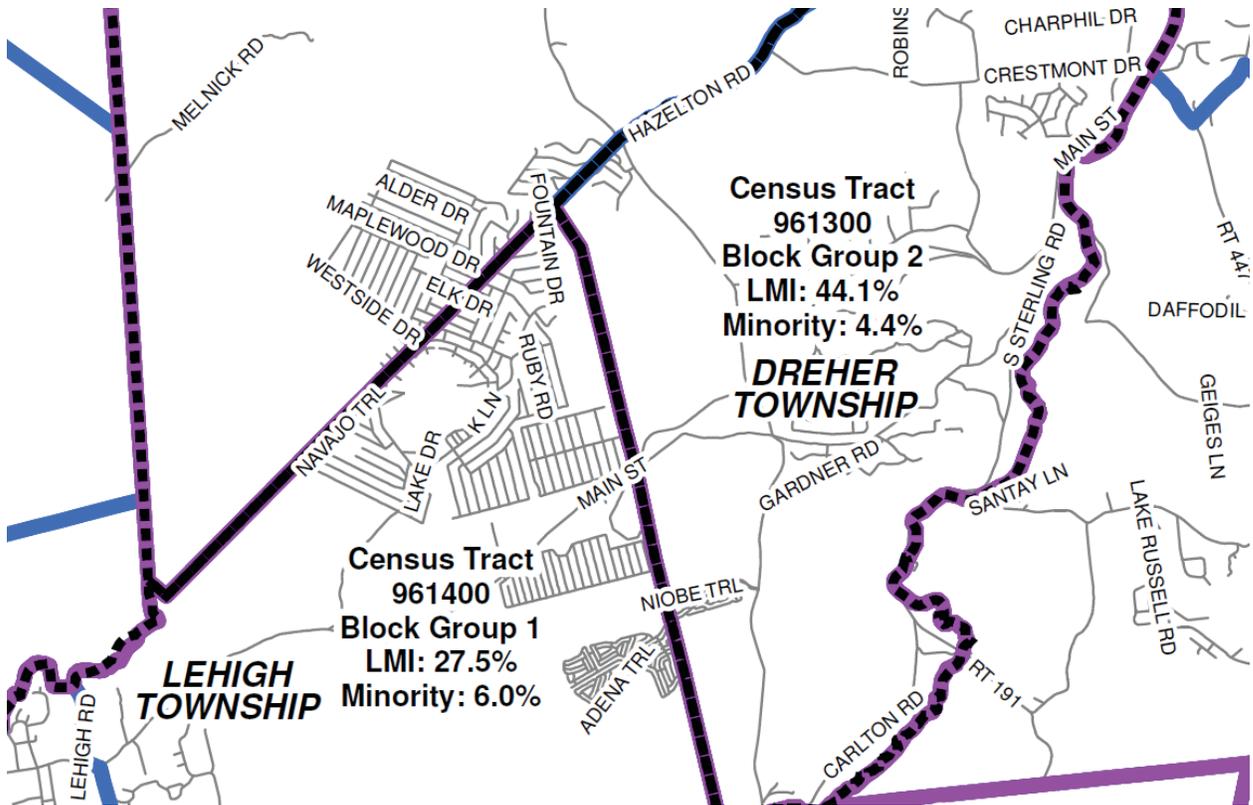
*Insert of Honesdale Borough floodplain map, showing the historic Village of Tracyville*

### Project Property Mailing Lists

Planning/GIS provides regular assistance to municipalities and organizations looking to identify various tax parcels. For instance, if a township needs a mailing address list for property owners neighboring a parcel where a conditional use is proposed, our office can generate that list. Likewise, if a watershed management group needs a similar list for parcels within a given watershed, we can provide the same.

## Community Development Block Grant Mapping

Each year, Wayne County projects are awarded funding from the Pennsylvania Department of Community & Economic Development's (DCED) Community Development Block Grant (CDBG) program. The Planning/GIS Department assists in the funding process by providing maps that show low/moderate income and demographic data for the County's Census Tracts and Block Groups.

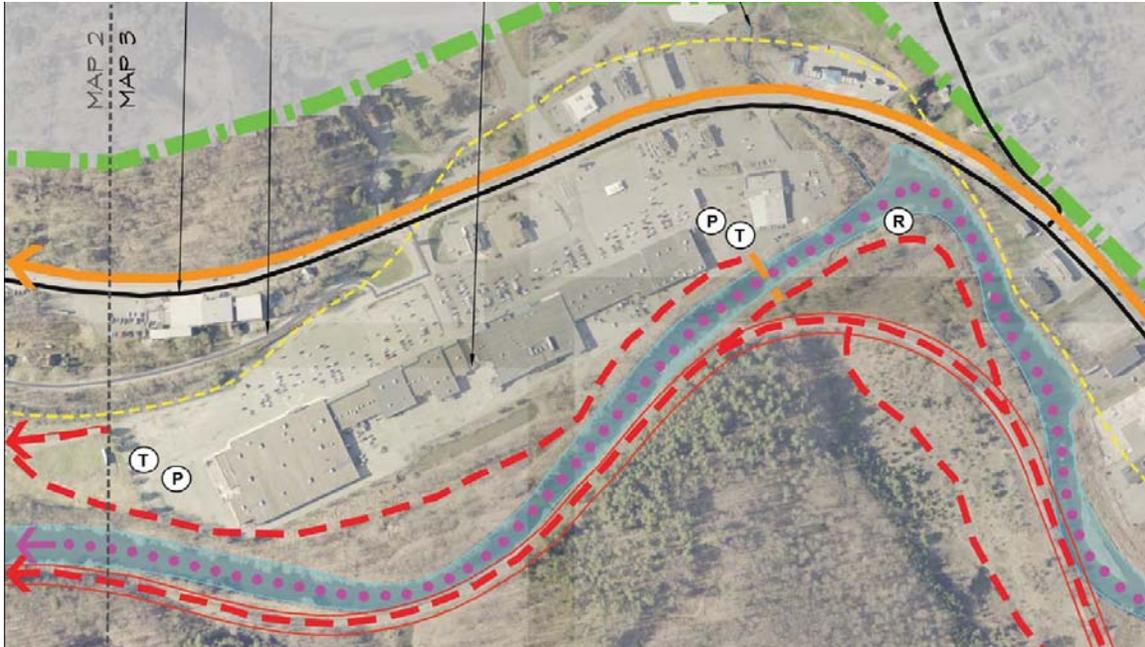


*Portion of a Census Block Group map featuring Lehigh and Dreher Townships.*

## Wayne County Trail Feasibility Study

The Wayne County Trail Feasibility Study took off in 2019. This study focused on connecting Honesdale and Hawley Boroughs along the Lackawaxen River corridor and connections along PA Route 6, PA Bicycle Route Y, the old D&H Canal Towpath, the Stourbridge Line Railroad, and the Lackawaxen River itself. With future trail extension opportunities east into Pike County and west into Lackawanna County, consultants Woodland Design led this initial planning effort to connect Wayne County's two major downtowns.

Wayne County Planning/GIS helped Woodland Design by sharing planning resources, with mapping being the main offering. GIS data was provided to Woodland so they could incorporate it into the mapping they produced for the plan. Below is a snapshot of one such map showing potential trail routes between Honesdale and Hawley.



*Portion of a draft Woodland Design trail feasibility map, showing the Route 6 Plaza.*

## **WEDCO**

Each year, we contribute to the Wayne Economic Development Corporation's (WEDCO) work by providing mapping and resource gathering support. WEDCO's projects range from the site or area specific to wider ranging plans that are more akin to fact-finding missions.

## **Wayne County Dams**

The Pennsylvania Department of Environmental Protection (DEP) began rehabilitation projects on four County-owned dams in 2019. Our department provided mapping and land use data for the effort. The four dams being studied are located in Berlin Township.

## **National Park Service**

Data sharing between the National Park Service (NPS) and the County Department of Planning/GIS takes place on a regular basis. The NPS has been using GIS data to support their work and that of their organizational and municipal partners in maintaining the Upper Delaware Scenic and Recreational River. The majority of the corridor encompassing this portion of the National Park System is privately owned. The Park Service utilizes geographic data to better understand the river landscape and varied stakeholders.

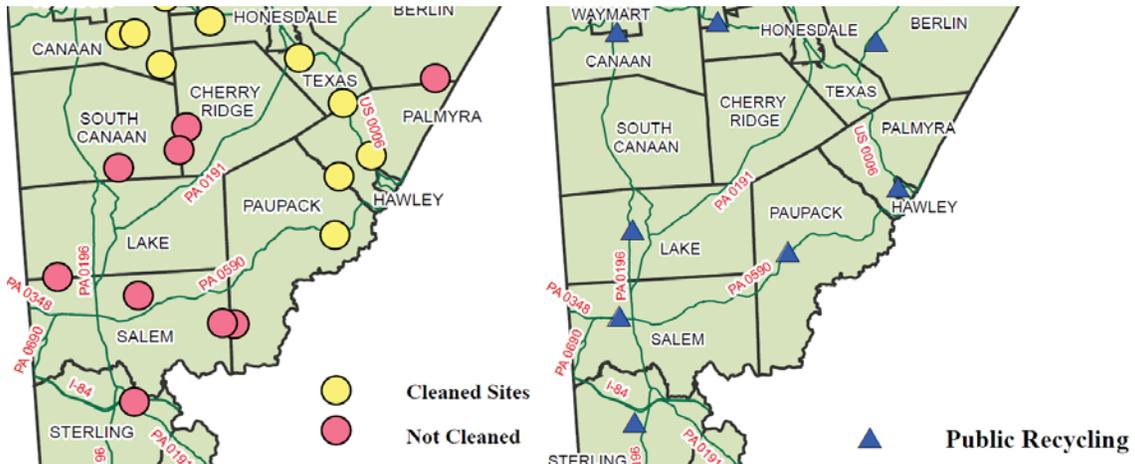
## Wayne County Historical Society

A list of village names and corresponding municipalities was provided to the Wayne County Historical Society in 2019. Additionally, some basic watershed mapping was provided to the Historical Society for some signage they were working on with the Wayne Pike Trails and Waterways Alliance.

## Wayne County Municipal Waste Management Plan

For several months over the past year, our office provided in-kind mapping support to the Wayne County Solid Waste Department for their Municipal Waste Plan Update. The consultant for this project was Mr. Steven Deasy of MidAtlantic Solid Waste Consultants. Our office communicated with Mr. Deasy as well as Mr. Randy Heller, Wayne County's Solid Waste/Recycling Coordinator, and created various maps that were requested.

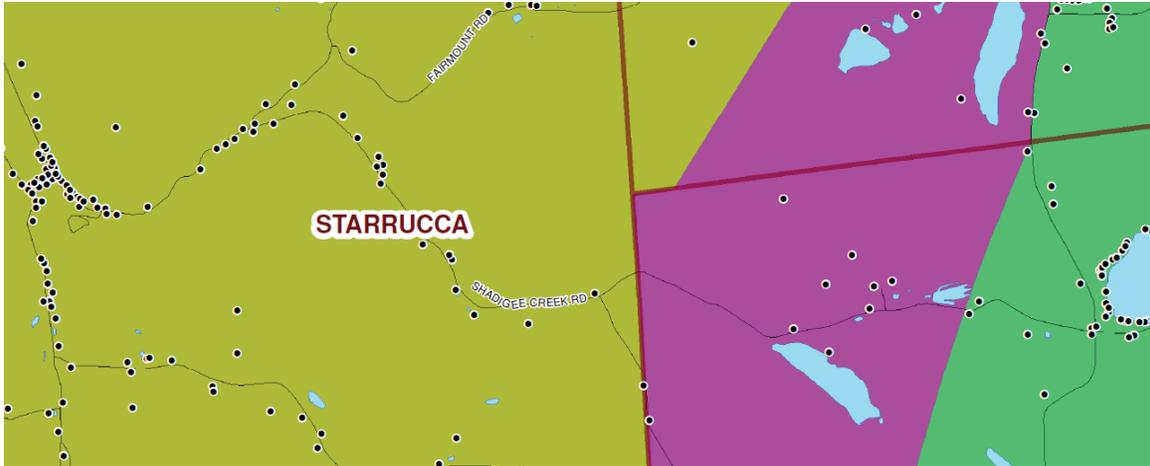
Some of these maps included a location map, population map, recycling sites map, illegal dump sites map, and disposal facilities and transfer stations map. Some other resources and data were provided as well. As of the date of this Annual Report the Final Draft of the Municipal Waste Plan Update is in the public review period and will be set to be adopted thereafter in 2020.



*Portions of maps provided for the Waste Management Plan showing illegal dump site cleanups and public recycling resources.*

## Wayne County 911 and GIS

The 911 Department is one we work with more regularly. The Planning/GIS Department updates address points, roads, and driveways in the service of 911's Computer Aided Dispatch (CAD) system. Additional maintenance involves processing telephone record changes and changes in emergency response area boundaries. Maintaining accurate telephone records and response boundaries is a vital part to our 911 system.



*Snapshot of fire response area boundaries in northern Wayne County.*

**File Transfer Tool**

Mailbox \* paway001 **paway001**

**Upload:** To send a SOI file for processing, identify the file and press Upload.  
 File \* :  No file chosen

**Download:** To download processing files, click Download button next to the file.  
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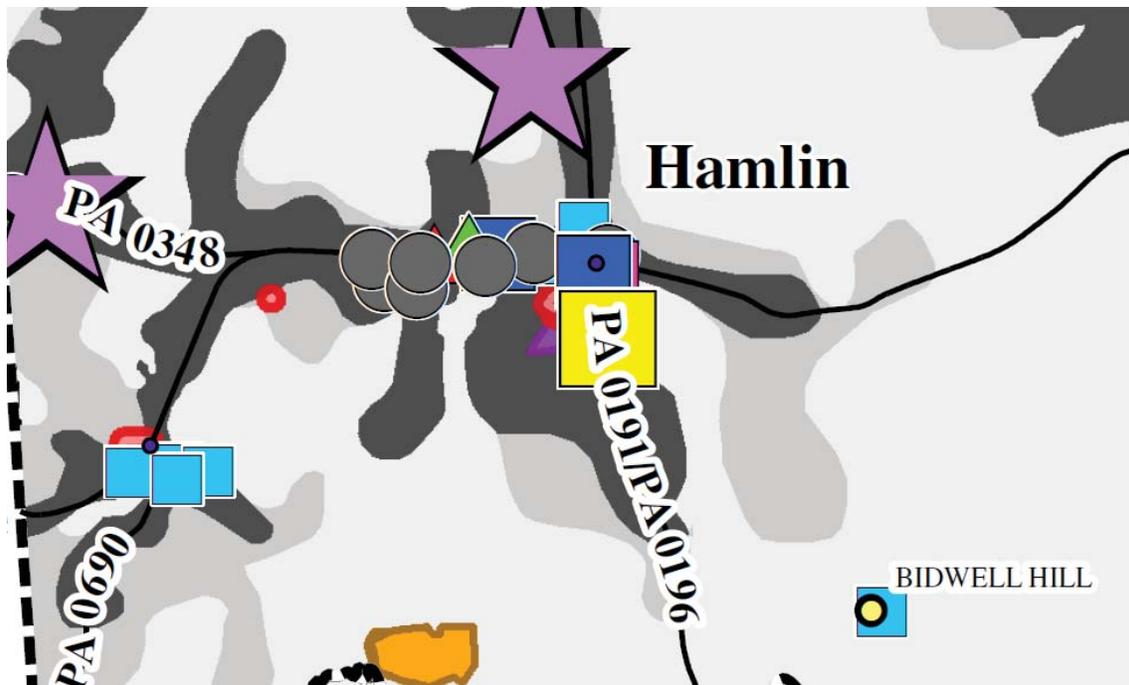
	File Name ↓	Ext. ↓	Completion Date ↓
<input type="button" value="Download"/>	W_191225.DAT	.DAT	12/25/2019 00:13:00 MST
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*Snapshot of telephone record processing.*

GIS and 911 staff work together on a daily basis to maintain and support the CAD and overall 911 system to the best of their combined abilities. As new standards evolve and apply to 911 systems, this working partnership will continue to be an important one.

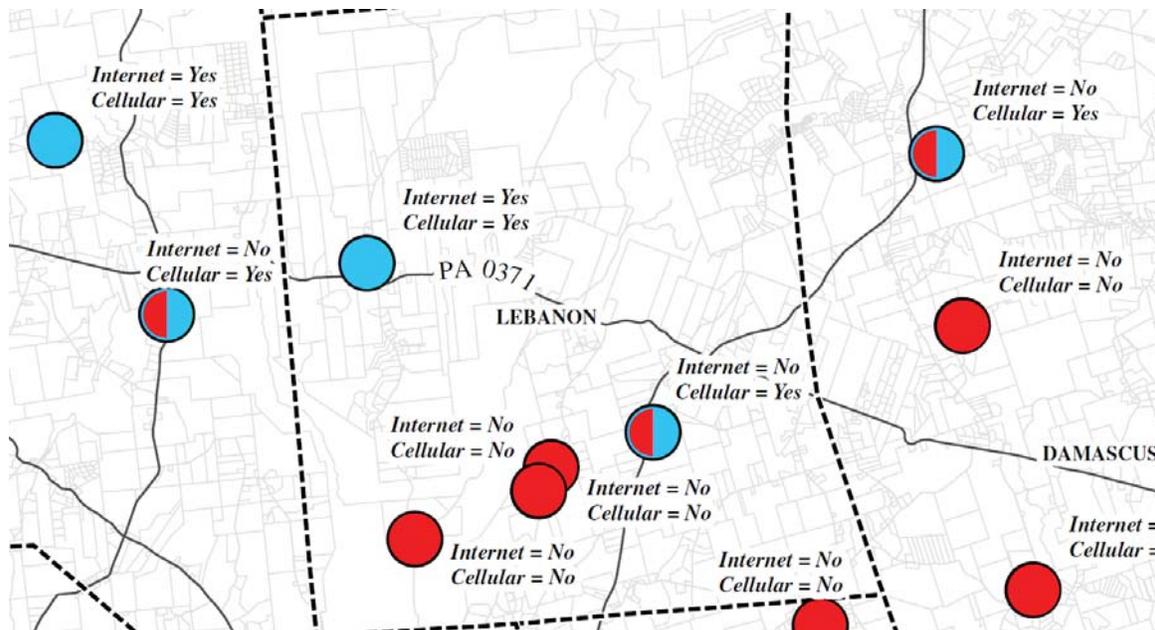
## Wayne Tomorrow!

The Wayne Tomorrow! initiative meets throughout the year. Our office participated in the Community Hubs Task Force in 2019 by providing mapping and planning support as the group defined goals and objectives. One mapping project was a village centers map that showed the County's communities in relation to each other and existing infrastructure.



Portion of a village centers map showing community features with various symbology.

The Wayne County Technology Committee and Agriculture Task Force are other active components of Wayne Tomorrow! that we support. A 2019 project involved providing a local 4H group with mapping for Wayne County’s annual Ag Day. Attendees placed pins in the map that described the approximate location of their farm and the adequacy of cellular and internet service at those locations. The map was returned to our office for digitization and a follow-up map was created and provided back to the 4H group.



Portion of the farm connectivity map provided to Wayne County 4H group.

This final map was then used as background research for a project these Wayne County 4H members were working on. The project involved studying local conditions and developing a messaging device called the Farmer Alert System Transmitter that could help farmers in low connectivity areas in emergency situations.

A prototype device was created with other community resources (people and technology, through the Stourbridge Project) and presented along with a narrative poster at the 2019 PA State 4H Science of Agriculture Challenge Competition. 4H members Paige Gries, Clara Murphy, Eoghan Murphy, and Brianna Metschulat won the competition with their project.