

Explanation of the 2010 Urban Area to County Subdivision Relationship File:

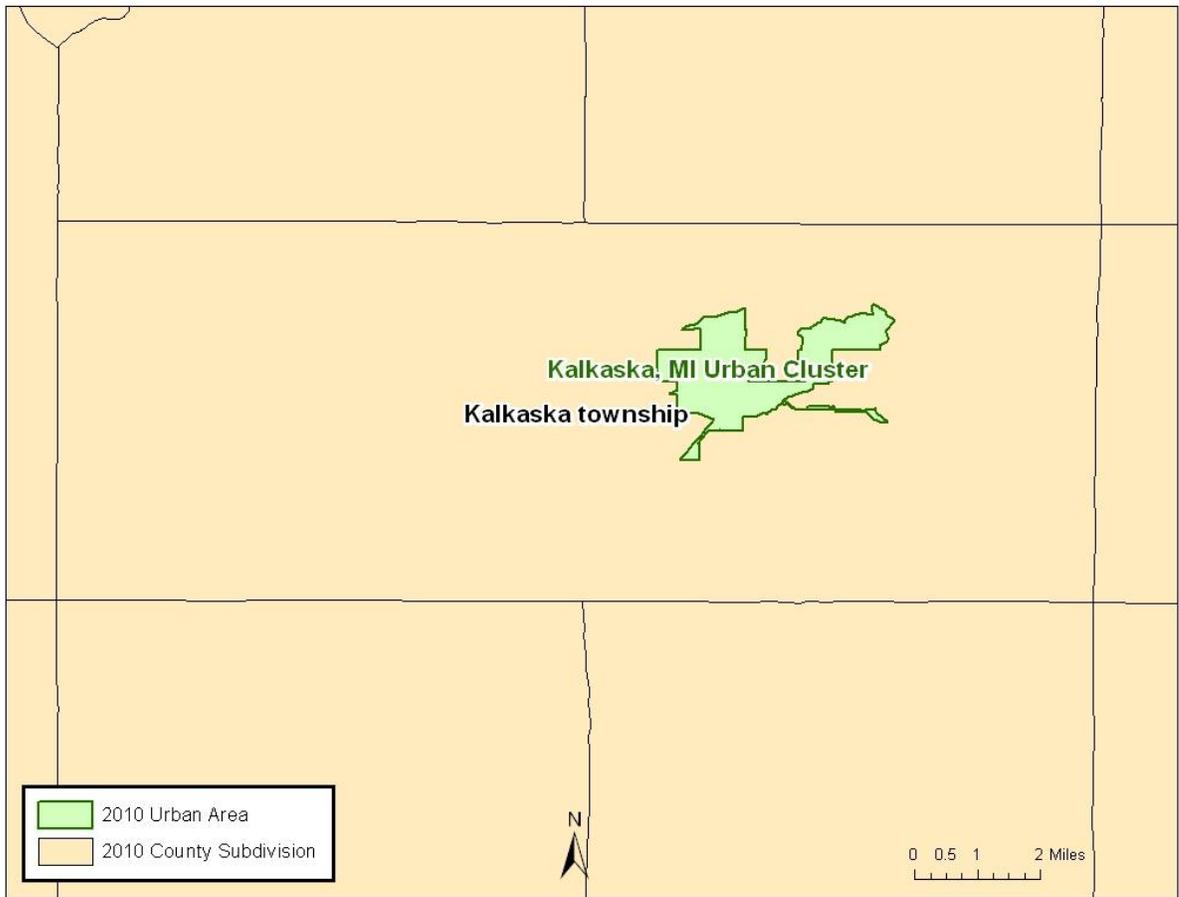
The 2010 Urban Area to County Subdivision Relationship File provides relationships between the 2010 urban areas and the 2010 county subdivisions. Urban Areas include both urbanized areas (UA) and urban clusters (UC), and areas outside urban areas are considered rural. This list can be utilized to see if a county subdivision is urban, rural, or contains both urban and rural area. Each record in the relationship file represents one polygon that is formed when the 2010 urban areas overlay the county subdivisions. The polygon may represent the intersection of a 2010 urban area and a county subdivision or the portion on the county subdivision that does not contain a 2010 urban area. It is important to note that all population and housing unit figures given in the file are from the 2010 Census population count.

Explanation of Urban Area to County Subdivision Relationship File: Example 1

This example describes when a county subdivision only contains one urban area and that urban area falls wholly within the county subdivision. In this example, the Kalkaska, MI UC is in green below and falls wholly within Kalkaska Township, which is outlined in black. There is only one record for the Kalkaska, MI UC (Value 1). The 2010 population for this relationship record is 2,668 (POPPT) and is equal to the 2010 population of 2,668 for Kalkaska, MI UC (UAPOP). Likewise, the 2010 housing unit count for both the relationship record (HUPT) and the urban area (UAHU) is 1,297. Therefore, the percentage of the total population of Kalkaska, MI UC represented by the relationship record (UAPOPCT) is 100. Although Kalkaska, MI UC falls entirely within Kalkaska Township, Kalkaska Township is bigger than the urban area. Since no other urban areas fall within Kalkaska Township, there is only one additional record in the relationship file for the county subdivision. Value 2 represents the area of Kalkaska Township that falls outside of the Kalkaska, MI UC and is designated with the name 'Not in a 2010 urban area' (UANAME). The 2010 population living in the portion of Kalkaska Township outside of any urban area is 2,054 (POPPT) and represents 43.5% of the total population living in Kalkaska Township (CSPOPCT). These numbers also represent the rural population in the Township.

Field	Value 1	Value 2
UA	43804	99999
UANAME	Kalkaska, MI Urban Cluster	Not in a 2010 urban area
STATE	26	26
COUNTY	079	079
COUSUB	42280	42280
GEOID	2607942280	2607942280
CSNAME	Kalkaska township (Kalkaska County)	Kalkaska Township (Kalkaska County)
POPPT	2668	2054
HUPT	1297	1101
AREAPT	6328066	178143855
AREALANDPT	6085293	176351757
UAPOP	2668	
UAHU	1297	
UAAREA	6328066	
UAAREALAND	6085293	
CSPOP	4722	4722

Field	Value 1	Value 2
CSHU	2398	2398
CSAREA	182437050	182437050
CSAREALAND	184471921	184471921
UAPOPCT	100	
UAHUPCT	100	
UAAREAPCT	100	
UAAREALANDPCT	100	
CSPOPCT	56.5	43.5
CSHUPCT	54.09	45.91
CSAREAPCT	3.47	97.65
CSAREALANDPCT	3.3	95.6

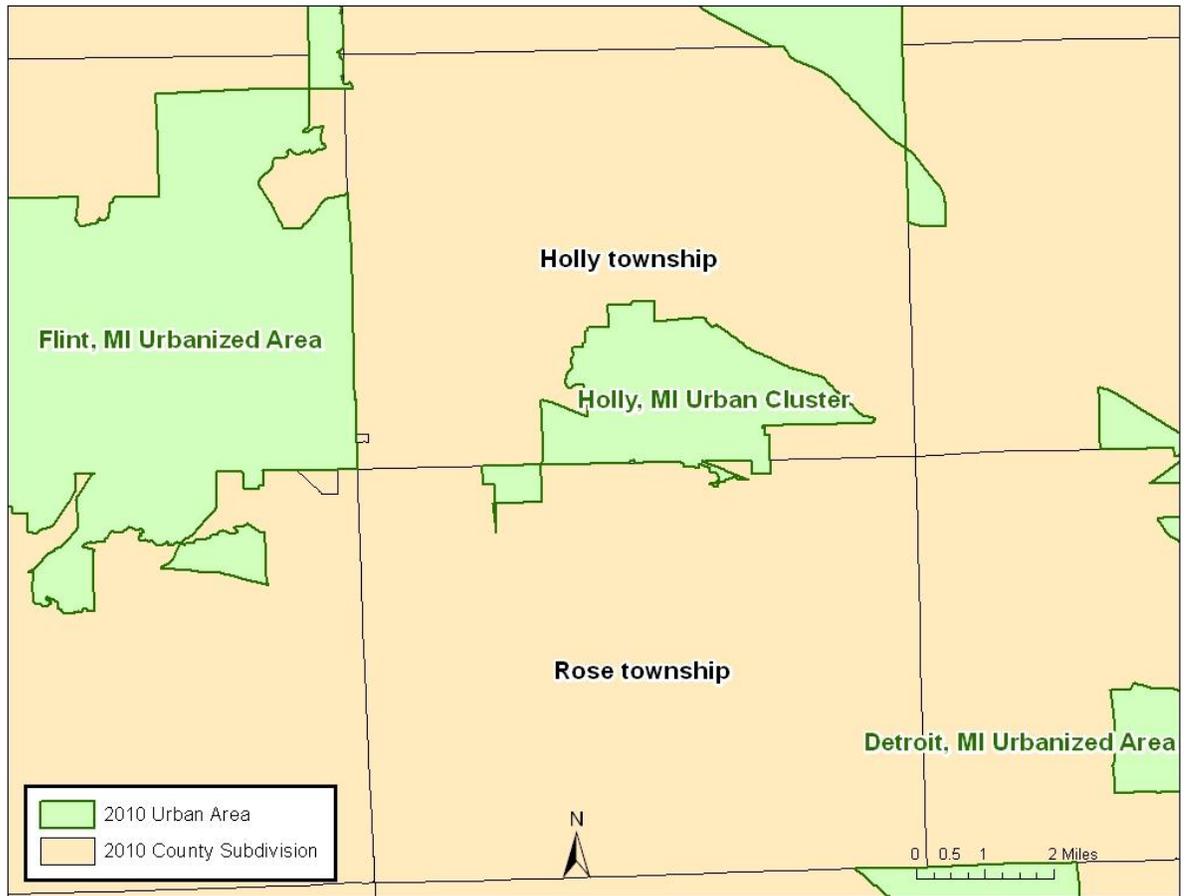


Explanation of Urban Area to County Subdivision Relationship File: Example 2

This example describes when a 2010 urban area falls into more than one county subdivision. In this example, the Holly, MI UC is in green below and falls in two county subdivisions: Holly Township and Rose Township, which are outlined in black. The first record describes the relationship between the Holly, MI UC and Holly Township. The 2010 population living within the Holly, MI UC is 8,229 (UAPOP) but only 7,841 (POPPT) also live within Holly Township. This represents 95.28% of the total population (UAPOPCT) in the Holly, MI UC. Furthermore, out of the total population living within Holly Township, only 69.01% (CSPOPCT) live within the Holly, MI UC. The second record describes the relationship between the Holly, MI UC and Rose Township. The 2010 population living in the Holly, MI UC and also within Rose Township is 388 (POPPT) and represents 4.72% (UAPOPCT) of the total population in the Holly, MI UC. Furthermore, 6.21% (CSPOPCT) of the total population in Rose Township also lives in the Holly, MI UC.

Both Holly and Rose Townships contain additional urban areas or areas outside of a 2010 urban area. Therefore, there are additional records in the relationship file for these records that are not shown below.

Field	Value 1	Value 2
UA	39538	39538
UANAME	Holly, MI Urban Cluster	Holly, MI Urban Cluster
STATE	26	26
COUNTY	125	125
COUSUB	38720	69580
GEOID	2612538720	2612569580
CSNAME	Holly Township (Oakland County)	Rose Township (Oakland County)
POPPT	7841	388
HUPT	3394	139
AREAPT	13427334	984763
AREALANDPT	12351007	984763
UAPOP	8229	8229
UAHU	3533	3533
UAAREA	14412097	14412097
UAAREALAND	13335770	13335770
CSPOP	11362	6250
CSHU	4867	2485
CSAREA	89038663	89387221
CSAREALAND	94328614	93570982
UAPOPCT	95.28	4.72
UAHUPCT	96.07	3.93
UAAREAPCT	93.17	6.83
UAAREALANDPCT	92.62	7.38
CSPOPCT	69.01	6.21
CSHUPCT	69.73	5.59
CSAREAPCT	15.08	1.1
CSAREALANDPCT	13.09	1.05



Explanation of Urban Area to County Subdivision Relationship File: Example 3

This example describes when a county subdivision contains more than one urban area. In this example, Antwerp Township contains two urban areas: Kalamazoo, MI UA (Value 1) and Paw Paw, MI UC (Value 2). In addition, there is a third record in the relationship file that represents portions of the county subdivision not in a 2010 urban area (Value 3). Both urban areas are shown in green below and Antwerp Township is outlined in black. In the first record, the Kalamazoo, MI UA falls partially within Antwerp Township. The 2010 population for this record is 3,847 (POPPT) but since Kalamazoo, MI UA crosses into other county subdivisions this does not equal the total population of the urban area of 209,703 (UAPOP). Furthermore, although the total population of Antwerp Township is 12,182 (CSPOP) only 31.58% (CSPOPPCT) of the population also live within the Kalamazoo, MI UA. In the second record, the Paw Paw, MI UC also falls partially within Antwerp Township. The 2010 population for Paw Paw, MI UC is 8,684 (UAPOP) but the population living within the urban area and Antwerp Township is only 3,778 (POPPT). In addition, 31.01% (CSPOPPCT) living within Antwerp Township also live within the Paw Paw, MI UC. The third record represents the area that falls within Antwerp Township but is not covered by a 2010 urban area. In other words, it represents the rural population. The 2010 population that is considered rural in Antwerp Township is 4,557 (POPPT) and represents 37.41% (CSPOPPCT) of the total population in the township.

The Kalamazoo, MI UA and the Paw Paw, MI UC cross into other county subdivisions but those records are not shown below.

Field	Value 1	Value 2	Value 3
UA	43723	68077	99999
UATYPE	Kalamazoo, MI Urbanized Area	Paw Paw, MI Urban Cluster	Not in a 2010 urban area
STATE	26	26	26
COUNTY	159	159	159
COUSUB	03140	03140	03140
GEOID	2615903140	2615903140	2615903140
CSNAME	Antwerp township (Van Buren County)	Antwerp township (Van Buren County)	Antwerp township (Van Buren County)
POPPT	3847	3778	4557
HUPT	1555	1508	1674
AREAPT	11958924	12732683	65921300
AREALANDPT	11797469	12678764	65358891
UAPOP	209703	8684	
UAHU	93137	3788	
UAAREA	355891006	23781980	
UAAREALAND	341059430	22956519	
CSPOP	12182	12182	12182
CSHU	4737	4737	4737
CSAREA	89835124	89835124	89835124
CSAREALAND	90612907	90612907	90612907
UAPOPPCT	1.83	43.51	
UAHUPCT	1.67	39.81	

Field	Value 1	Value 2	Value 3
UAAREAPCT	3.36	53.54	
UAAREALANDPCT	3.46	55.23	
CSPOPPCT	31.58	31.01	37.41
CSHUPCT	32.83	31.83	35.34
CSAREAPCT	13.31	14.17	73.38
CSAREALANDPCT	13.02	13.99	72.13

