

## JACKSON TOWNSHIP

The township is located in the southwest central area of Sandusky County and the 2010 census stated that 1,303 people live in the unincorporated portions of the Township. The total land area is 36.0 square miles at an elevation of 669 feet. The Village of Burgoon is located in the southern part of the township and the majority of Helena is in the northwest area. The unincorporated community of Millersville is also located in the northwest.

The Village of Burgoon's 2010 Census listed the population at 172 and its total land area is at 0.12 square miles at an average elevation of 705 feet. There are 1,433 people per square mile. The Village of Helena 2010 Census listed the population at 224 with a total land area at 0.30 square miles. The average elevation is at 696 feet and the population density is at 746.7 per square mile. Additional demographic and population projections for both Jackson Township and the Village of Burgoon are listed as follows:

	2010 Census	Square Mile	Population/ Square Mile	MHI	LMI %
Jackson Township	1,303	36.0	36.2	53,362	23.7
Village of Burgoon	172	0.12	1,433	48,750	25.9
Village of Helena	224	0.30	747	45,341	47.2

	2010 Population	2010 Estimated Water Demand (100 gpcd)	2010 Estimated Water Demand/ Square Mile	2030 Population Estimate*	2030 Estimated Water Demand (100 gpcd)	2030 Estimated Water Demand/ Square Mile
Jackson Township	1,303	130,300 gpd	3,619 gpd	1,226	122,600 gpd	3,406 gpd
Village of Burgoon	172	17,200 gpd	143,333 gpd	162	16,200 gpd	135,000 gpd
Village of Helena	224	22,400 gpd	74,667 gpd	211	21,100 gpd	70,333 gpd
* Ohio Department of Development - Sandusky County Projected Rate of Change - .059% to 2030						

Groundwater Resources - The groundwater source for the entire township is from a carbonate aquifer which generally yields as much as 100 gpm at depth of less than 200 feet. There is an

ODNR test well located east of Helena that yields 100 gpm and an industrial well southeast of Helena that produces 200 gpm. The raw water quality for test well G is listed as follows:

	Test Well G
Depth (feet)	280
Bedrock (feet)	19
Yield (gpm)	100
Hardness (mg/l)	447
Iron (mg/l)	1.2
Calcium	105
Dissolved Solids (mg/l)	497
Sulfates (mg/l)	116
Hydrogen Sulfide	0.8

Surface Water Resources - Muskellunge Creek is the largest stream in Jackson Township and it flows northeast through the entire Township. Muddy Creek provides drainage for the northwest corner of the Township.

Public Water Systems - There are no municipal public water systems located in Jackson Township. The Township does have two (2) private water systems.

Wastewater Treatment Systems - The Village of Helena recently constructed a sanitary sewer collection and treatment system. The treatment plant is located at 0.6 miles south of US 6, 1 mile west of State Route 635, and east of County Road 72. The plant is rated at 40,000 gpd and discharges into an unnamed tributary to Muddy Creek. The Helena Texas Migrant Head Start Center WWTP was removed from service following the construction of the Helena system. The Village of Burgoon has a sewer collection system which is collected at a pump station and delivered to the Village of Bettsville for treatment. There are currently two (2) private wastewater treatment facilities. Carmeuse Lime, Inc. which operates a 410,000 gpd facility at 3964 County Road 41 that discharges to Muddy Creek and Rosa Walby Ditch. The Sandusky County Board of Commissioners

operate a treatment facility for the Adam's Acres Subdivision which is located at 320 County Road 108. This packaged treatment plant is permitted to discharge 35,000 gpd to Muskellunge Creek.

#### Proposed Water Service

There are no noted potable water service requirements within Jackson Township.

#### Critical Sewage Areas:

The Sandusky County Health Department, Ohio EPA, and TMACOG has identified Critical Sewage Areas which would include failed or failing onsite sewage systems. System failures could lead to surface and/or groundwater contamination or public health nuisances. These areas have been determined to be places where onsite sewage problems cannot be solved by conventional system upgrade or replacement. These areas became a priority for the Health Department and Ohio EPA to conduct sanitary surveys and general plans for providing public sanitary collection system and treatment alternatives.

Millersville in Jackson Township has been listed as a Critical Sewage Area (SA-25).

#### Proposed Sanitary Sewer Service

The Critical Sewage Area SA-25 includes the unincorporated area of Millersville. The Critical Sewage Area is identified by the Health Department is a large area with very low residential density. Due to the low residential density, sanitary sewer service to this area would be cost prohibitive.