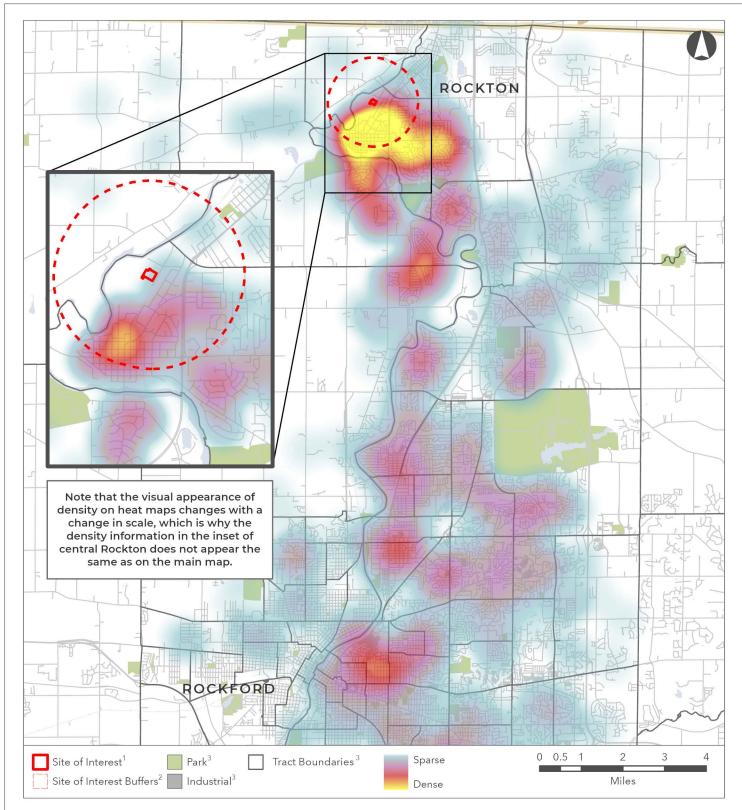
### **GRASP Figure Examples**

ATSDR's GRASP analysts can work with health assessors to create GIS maps with multiple layers depicting information, such as locations of contamination sources, areas of different concentrations of environmental contamination (e.g., plumes), population densities and other relevant demographic characteristics, and exposure points. These data can be shown for large areas, such as counties or large cities, and smaller locations, such as census tracks or blocks. The examples in this file are included to show health assessors some of the types of images GRASP can create during the PHA process.

# **Chemtool Incorporated** Rockton, Winnebago County Illinois

### **Survey Responses** ANY SYMPTOMS

BY CENSUS TRACT | Data as of July 14, 2021



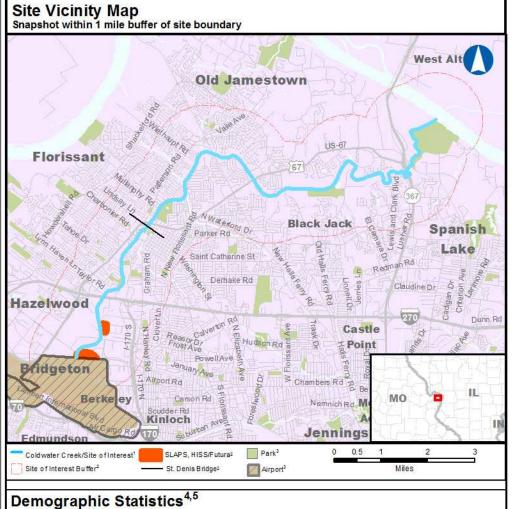
Data Sources: <sup>1</sup>ATSDR GRASP Hazardous Waste Site Boundary Database. <sup>2</sup>ATSDR GRASP. <sup>3</sup>Esri. Projection: NAD 1983 StatePlane Illinois East (US Feet)



Centers for Disease Control and Prevention ATSDR Agency for Toxic Substances and Disease Registry

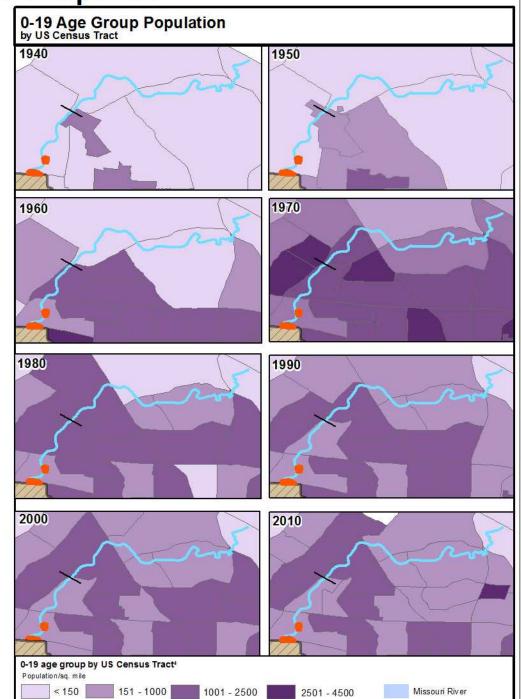
G R A S P Geospatial Research, Analysis and Services Program

## **Coldwater Creek Site Demographic Snapshot**



### Within 1 mile buffer of site boundary

	Total Population	White	Non White <sup>6</sup>	Children Aged 6 and Younger <sup>7</sup>	Adults Aged 65 and Older	Females Aged 15 to 44	Total Housing Units
1940	3,498	3,344	152	273	242	762	880
1950	7,550	7,288	263	1,069	388	1,816	1,874
1960	26,574	26,401	186	4638	852	5,870	7,092
1970	67,115	65,636	1,478	10,128	2,269	15,854	18,381
1980	65,688	59,319	6,365	6,081	4,276	15,864	20,961
1990	63,103	53,316	9,792	6,130	7,461	14,586	24,123
2000	66,962	48,030	18,935	6,181	9,430	14,747	27,140
2010	66,387	34,763	31,622	5,507	9,597	13,682	28,249

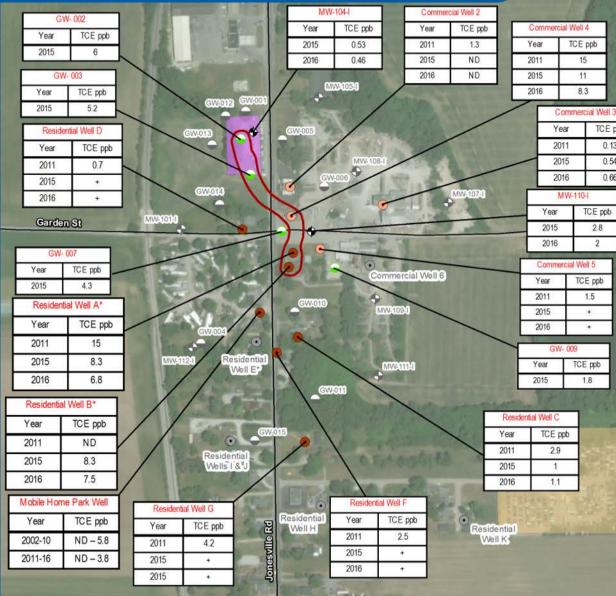


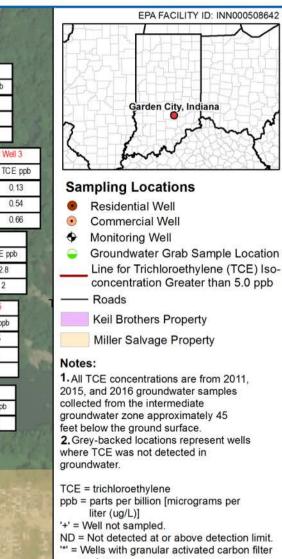
Data Sources: <sup>1</sup>ATSDR GRASP Hazardous Waste Site Boundary Database. <sup>2</sup>ATSDR GRASP. <sup>3</sup>TomTom International BV (2012). <sup>4</sup>US Census 2000 and 2010. IPUMS NHGIS 1940-2010. Steven Manson, Jonathan Schroeder, David Van Riper, and Steven Ruggles. IPUMS National Historical Geographic Information System: Version 12.0 [Database]. Minneapolis: University of Minnesota. 2017 http://doi.org/10.18128/D050.V12.0 Notes: Scalculated using area-proportion population estimation spatial aniysis method. Non White may include: Black, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, Some Other Race, and/or Two or More Races. censuses 1940-1960 children 5 and under.

Projection: Projection used for all map panels is NAD 1983 StatePlane Missouri East FIPS 2401 feet

### Figure 1 - Site Layout and TCE Plume Map Garden City Groundwater Plume

Garden City, Bartholomew County





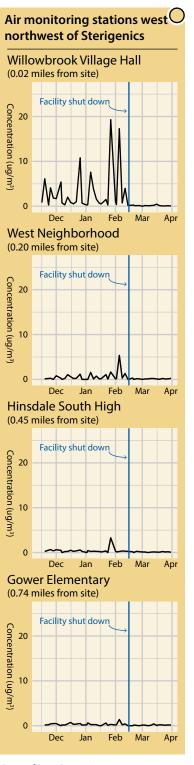
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GIRIA

### **EtO concentration over time at EPA Air Monitoring Stations**



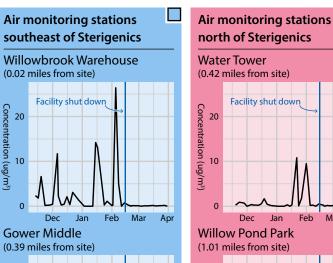
#### **Sampling Start Dates**

Nov		Dec		Jan		Feb		Mar	
13	16	1	6	2	3	1	2	1	4
19	23	7	10	6	9	5	8	7	10
25	28	13	16	12	15	11	14	13	16
		19	22	17	22	19	20	19	22
		26	28	24	27	21	22*	25	28
						23*	26	31	

Willowbrook Warehouse and Willowbrook Village Hall only



GRASP







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The line graphs here indicate ethylene oxide (EtO) concentration at the eight primary EPA air monitoring stations around the Sterigenics location. These eight air monitorina stations collected 24-hour air samples starting at 10:00 a.m. on the days listed in the chart at the lower left of this page. The map shows the location of these air monitoring stations, as well as two duplicate stations at the Willowbrook Village Hall and the EPA's Willowbrook Warehouse. These two duplicate stations collected samples on roughly half the days that the primary stations did. The Sterigenics facility was shut down on February 15th by the State of Illinois.



Geospatial Research, Analysis, and Services Program