



T-15 RELIABILITY PROJECT

Draft Community Profile

North Carolina Department of Environmental Quality
July 7, 2025

It is the policy of the North Carolina Department of Environmental Quality (NCDEQ) that no person shall, on the ground of race, ethnicity, national origin, sex, age or disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance, as provided by Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, the Rehabilitation Act of 1973, and all other pertinent nondiscrimination laws and requirements.

In conducting this analysis, the Community Engagement Program pursues NCDEQ's mission to "Provide science-based environmental stewardship for the health and prosperity of all North Carolinians."



Table of Contents

List of Tables.....	4
List of Figures	5
Executive Summary.....	7
Objective.....	7
Key Findings.....	7
Recommendations	8
1. Introduction.....	8
2. Evaluation Approach.....	9
2.1 Sociodemographic Indicators.....	9
Race and Ethnicity	10
Age and Sex	10
Disability	10
Limited English Proficiency.....	11
Educational Attainment.....	11
Poverty and Low-income	11
3. Permitting Information	12
3.1 Facility Details	12
3.2 Air Quality Permit Details	13
3.3 Water Resources Permit Details.....	14
4. Geographic Area	15
4.1 Project Areas.....	15
4.2 Community Geography	19
NCDEQ Potentially Underserved Communities	19
County Distress Rankings	20
Tribal Communities	21
5. Sociodemographic Analysis	21
5.1 Air Quality Project Area	21
Race and Ethnicity	21
Age & Sex.....	26
Disability	28
Limited English Proficiency	29
Educational Attainment.....	31

Poverty and Low Income	33
5.2 Water Resources Project Area	35
Race and Ethnicity	35
Age & Sex	40
Disability	45
Limited English Proficiency	47
Educational Attainment	50
Poverty and Low Income	54
6. Health & Cumulative Impacts	56
6.1 County Health Outcome Ranks	56
6.2 CDC/ATSDR Indexes	58
Ruffin Compressor Station	59
T-15 Pipeline Route	60
6.3 US EPA's Indexes	61
6.4 Local Industrial Sites	62
7. Local Sensitive Receptors	63
8. Conclusion	65
Key Findings	65
Recommendations	67
Appendix	68
Appendix A: U.S. Census Data Sources	68
Appendix B: Additional Data Sources	68
Appendix C: Sociodemographic Indicators and US EPA Report	68
Race & Ethnicity	68
Age & Sex	72
Disability	74
Limited English Proficiency	77
Educational Attainment	82
Poverty & Low Income	86
US EPA Report	88
Appendix D: County-Level Health Rankings	89
Appendix E: CDC Index	90
Appendix F: Limitations	101

Census Data.....	101
Cumulative Impacts and Health	101
Appendix G: Glossary.....	101

List of Tables

Table 1: Overview of environmental permits required by NCDEQ for T-15 Reliability Project.....	12
Table 2: Air quality emission values (tons per year) before and after control of Synthetic Minor Permit limitations	13
Table 3: Geographic area summary of Ruffin Compressor Station II.....	16
Table 4: Geographic area summary of T-15 Reliability Project pipeline route	16
Table 5: 2025 NC Department of Commerce County Tier Designations	21
Table 6: Race & Ethnicity percentage comparisons to Rockingham County and state for Ruffin Compressor Station project area	22
Table 7: Race & Ethnicity percentage comparisons to Caswell County and state for Ruffin Compressor Station project area	23
Table 8: Population of color percentage comparisons to Rockingham County and state.....	24
Table 9: Population of color percentage comparisons to Caswell County and state	25
Table 10: Median Age & Sex for North Carolina, Rockingham County, and Census Tract 401.02	26
Table 11: Median Age & Sex for North Carolina and Caswell County.....	26
Table 12: Median Age & Sex for Caswell County Census Tracts 9303 and 9304	26
Table 13: Age percentage comparisons to Rockingham County and state	27
Table 14: Age percentage comparisons to Caswell County and state	27
Table 15: Disability percentage comparisons to Rockingham County and state	28
Table 16: Disability percentage comparisons to Caswell County and state	28
Table 17: Limited English Proficiency percentage comparisons to Rockingham County and state	29
Table 18: Limited English Proficiency percentage comparisons to Caswell County and state	30
Table 19: Educational Attainment percentage comparisons to the Rockingham County and state (Populations between 18-24 years).....	31
Table 20: Educational Attainment percentage comparisons to the Rockingham County and state (Populations age 25 years and over)	31
Table 21: Educational Attainment percentage comparisons to the Caswell County and state (Populations between 18-24 years)	32
Table 22: Educational Attainment percentage comparisons to the Caswell County and state (Populations age 25 years and over).....	32
Table 23: Poverty percentage comparisons to Rockingham County and state.....	33
Table 24: Poverty percentage comparisons to Caswell County and state.....	34
Table 25: Race & Ethnicity percentage comparisons in Rockingham County and the state	35
Table 26: Race & Ethnicity percentage comparisons in Caswell County and the state	36
Table 27: Race & Ethnicity percentage comparisons in Person County and the state	37
Table 28: Population of color percentage comparisons in Rockingham County and the state	39
Table 29: Population of color percentage comparisons in Caswell County and the state	39
Table 30: Population of color percentage comparisons in Person County and the state	39

Table 31: Median Age & Sex for North Carolina and Rockingham County.....	41
Table 32: Median Age & Sex for Rockingham County Census Tracts 401.01 and 401.02	41
Table 33: Median Age & Sex for North Carolina and Caswell County.....	41
Table 34: Median Age & Sex for Caswell County Census Tracts 9301 and 9302	42
Table 35: Median Age & Sex for Caswell County Census Tracts 9303 and 9304	42
Table 36: Median Age & Sex for Caswell County Census Tract 9306	42
Table 37: Median Age & Sex for North Carolina and Person County.....	43
Table 38: Median Age & Sex for Person County Census Tracts 9202 and 9206.01	43
Table 39: Age percentage comparisons to Rockingham County and state	44
Table 40: Age percentage comparisons to Caswell County and state	44
Table 41: Age percentage comparisons to Person County and state	44
Table 42: Disability percentage comparisons to Rockingham County and state	45
Table 43: Disability percentage comparisons to Caswell County and state	46
Table 44: Disability percentage comparisons to Person County and state	46
Table 45: Limited English Proficiency percentage comparisons to Rockingham County and state	47
Table 46: Limited English Proficiency percentage comparisons to Caswell County and state	48
Table 47: Limited English Proficiency percentage comparisons to Person County and state	49
Table 48: Educational Attainment percentage comparisons to Rockingham County and state (Populations between 18-24 years).....	50
Table 49: Educational Attainment percentage comparisons to Rockingham County and state (Populations age 25 years and over)	51
Table 50: Educational Attainment percentage comparisons to Caswell County and state (Populations between 18-24 years)	52
Table 51: Educational Attainment percentage comparisons to Caswell County and state (Populations age 25 years and over)	52
Table 52: Educational Attainment percentage comparisons to Person County and state (Populations between 18-24 years)	53
Table 53: Educational Attainment percentage comparisons to Person County and state (Populations age 25 years and over)	53
Table 54: Poverty percentage comparisons to Rockingham County and state.....	54
Table 55: Poverty percentage comparisons to Caswell County and state.....	55
Table 56: Poverty percentage comparisons to Person County and state.....	55
Table 57: Census tracts within the one-mile radius of Ruffin Compressor Station and corresponding Index scores.....	60
Table 58: Census tracts that intersect with the T-15 pipeline route and corresponding Index scores.....	61
Table 59: List of Permits, Incidents, and Sites within the one-Mile Project Area Radius.....	63
Table 60: List of potential sensitive receptors within the one-mile of the T-15 Reliability Project pipeline route	64

List of Figures

Figure 1: Census tracts within one mile of the Ruffin Compressor Stations.....	17
Figure 2: T-15 Reliability Project Stream, Wetland, and Open Water Crossings.....	18
Figure 3: T-15 Reliability Project Census tracts.....	20

Figure 4: Race & Ethnicity percentage comparisons to the county and state	24
Figure 5: Population of color percentage comparisons to the county and state	25
Figure 6: Poverty percentage comparisons to the county and state	34
Figure 7: Race & Ethnicity percentage comparisons to project area counties and the state	38
Figure 8: Race & Ethnicity percentage comparisons to project area census tracts.....	38
Figure 9: Population of color percentage comparisons to the county and state	40
Figure 10: Poverty percentage comparisons to the county and state	56
Figure 11: NC County Population Health and Well-being Ranks for 2025	57
Figure 12: NC County Community Conditions Ranks for 2025	58
Figure 13: Census tracts within the one-mile radius of Ruffin Compressor Station and corresponding CDC Index scores.....	59
Figure 14: Census tracts that intersect with the T-15 pipeline route and corresponding CDC Index scores	60
Figure 15: EPA Indexes for a one-mile radius around Ruffin Compressor Station II.....	62
Figure 16: NCDEQ Community Mapping Tool Snapshot of the One-Mile Project Area Radius	63
Figure 17: US EPA Snapshot of potential sensitive receptors within the one-mile of the T-15 Reliability Project pipeline route	65
Figure 18: Histogram of population health and well-being ranges for national z-scores reported in 2025 County Health Rankings data.....	90
Figure 19: Histogram of community conditions ranges for national z-scores reported in 2025 County Health Rankings data.....	90

Executive Summary

Objective

The primary goal of this Community Profile is to encourage comments and suggestions from the surrounding community, industry, and environmental groups throughout the comment period for all relevant permit applications for Dominion Energy's T-15 Reliability Project. Using available data from sources including the US Census Bureau, Environmental Protection Agency (US EPA), and Centers for Disease Control (CDC), the report provides recommendations for appropriate enhanced public outreach and engagement to facilitate public input. Specifically, this report highlights census tracts in proximity to T-15 Reliability Project pipeline and compressor stations and the potential for community concerns.

Key Findings

Based on this report's analysis and using North Carolina Department of Environmental Quality (NCDEQ) Potentially Underserved Block Groups (on the basis of Race/Ethnicity and Poverty) and standard guidelines established by the US EPA and in National Environmental Policy Act (NEPA) documentation, the potential concerns for particular populations within an area of interest of T-15 Reliability Project have been identified as follows:

- **Race and Ethnicity:**
 - The following race/ethnic population categories:
 - Black or African American
 - Hispanic or Latino
 - American Indian or Alaska Native
 - Asian
 - Native Hawaiian or Other Pacific Islander
 - Some other race
 - Two or more races
- **Tribal Communities:**
 - The Occaneechi Band of the Saponi Nation
 - The Sappony Tribe
 - The Guilford Native American Association
- **Age and Sex:**
 - Populations of individuals 65 years or older in:
 - Rockingham County Census Tracts 401.01 and 401.02,
 - Caswell County Census Tracts 9301, 9302, 9304, and 9306,
 - Person County Census Tracts 9202 and 9206.01.
 - Populations of individuals 5 years or younger in:
 - Caswell County Census Tracts 9301, 9303, 9304,
 - Person County Census Tract 9206.01.
- **Limited English Proficiency:** Spanish-speaking households with limited English proficiency in Caswell County Census Tract 9303.
- **Disability:** Populations living with a disability in:
 - Rockingham Census Tract 401.01 and 401.02,
 - Caswell County Census Tract 9301, 9302, 9303, 9304, and 9306
 - Person County Census Tracts 9202 and 9206.01.

- **Education:** Populations of individuals at least 18 years and older whose highest educational attainment is less than a high school education in:
 - Rockingham Census Tract 401.01 and 401.02,
 - Caswell County Census Tract 9301, 9302, 9303, 9304, and 9306
 - Person County Census Tracts 9202 and 9206.01.
- **Poverty:** Populations experiencing poverty below 200% of the poverty level or below the poverty level in:
 - Rockingham Census Tract 401.02,
 - Caswell County Census Tract 9302, 9303, and 9304,
 - Person County Census Tracts 9206.01.
- **Cumulative Impacts:** Caswell County Census Tract 9303 has a “high” potential for cumulative impacts.

Recommendations

Based on the sociodemographic indicator analysis, the Community Engagement Program recommends the following outreach and engagement activities during the public participation period for the T-15 Reliability Project permit applications:

- Public notices and one-page fact sheets with public comment and public hearing information in English and Spanish.
- Consultation with community leaders about other outreach recommendations including known local American Indian-serving or related organizations and leaders.
- Mailed or emailed public notices and one-page fact sheets in English and Spanish to local sensitive receptors and representatives of Rockingham, Caswell and Person County and the municipalities of Eden, Yanceyville, and Roxboro.
- Evaluate options to distribute one-page fact sheets in English and Spanish in high-traffic community areas.
- Arrange English and Spanish voicemail lines to receive public comments.

1. Introduction

The North Carolina Department of Environmental Quality (NCDEQ) and its Community Engagement Program maintains an ongoing interest in integrating protections for human health, vulnerable communities, the environment, and civil rights into its programs.

The Community Engagement Program at NCDEQ works to ensure the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, programs, and policies.

The US EPA defines overburdened communities as minority, low-income, tribal or indigenous populations, or communities in the United States that potentially experience disproportionate

environmental harms and risks.¹ Disproportionality can result in greater vulnerability to environmental hazards, lack of opportunity for public participation, or other factors. Increased vulnerability may be attributable to an accumulation of negative environmental, health, economic, or social conditions within these populations or places.

The primary goal of this Community Profile is to encourage comments and suggestions from the surrounding community, industry, and environmental groups throughout the public participation period for the Enbridge Gas T-15 Reliability Project. Using available data from sources including the US Census Bureau, US EPA, and CDC, the report provides recommendations for appropriate enhanced public outreach and engagement to facilitate public input. Specifically, this report highlights demographic and health data for census tracts within the project area of T-15 Reliability Project and the potential for community concerns.

2. Evaluation Approach

NCDEQ has assessed the current permit conditions and the demographics of the communities in the area surrounding the facility. Accordingly, this Draft Community Profile includes:

- Permit information and facility history overview
- 2025 County Distress Ranking as determined by the NC Department of Commerce
- Sociodemographic analysis of census tracts within the project area and potential concerns based on a comparison of local area demographics to both county and statewide census data
- Presence or absence of state or federally recognized Tribes or Urban Indian Associations
- County health assessment from the County Health Rankings and Roadmaps and potential cumulative impacts
- Local sensitive receptors
- Conclusions and outreach recommendations

2.1 Sociodemographic Indicators

The Community Engagement Program examined the following sociodemographic indicators:

- Race and Ethnicity
- Age and Sex
- Disability
- Limited English Proficiency (LEP)
- Educational Attainment
- Poverty and Low-income
- Internet access

The sociodemographic indicators examined are in alignment with NCDEQ's policy that no person shall, on the grounds of race, color, Tribal affiliation, national origin, sex, age, or disability be excluded from participation in, be denied the benefits of or be subjected to discrimination under Title VI of the Civil

¹ 2020 Glossary. Environmental Protection Agency (US EPA). <https://www.epa.gov/caa-permitting/what-definition-overburdened-community-relevant-epa-actions-and-promising-practices>.

Rights Act of 1964, the Civil Rights Restoration Action of 1987, the Rehabilitation Act of 1973, and all other pertinent nondiscrimination laws and regulations.

Demographics for the state of North Carolina and its counties are compared to the census tracts on a local geographic scale using data available through the U.S. Census Bureau. Demographic data is assessed at a census tract level for all tracts within the following project areas defined for this report (see 4.1 for project area details):

- Air Quality Compressor Stations Permitting Area
- Water Resources 401 Permitting Area

See Appendix A for descriptions of all U.S. Census source data used in this report.

Race and Ethnicity

To analyze potential concerns based on race and ethnicity, the Community Engagement Program examined populations in the following U.S. Census-defined race (not Hispanic and Latino) and ethnicity categories:

- White (Not Hispanic)
- Black or African American
- Hispanic or Latino
- American Indian or Alaska Native
- Asian
- Native Hawaiian and Other Pacific Islander
- Some Other Race
- Two or More Races

Age and Sex

To analyze potential concerns based on age and sex, the Community Engagement Program examined populations of two different age categories for both males and females. The populations of greater than or equal to (\leq) 5 years old and greater than or equal to (\geq) 65 years old were examined because the Centers for Disease Control and Prevention (CDC) considers children and older adults to be vulnerable populations.²

Disability

To analyze potential concerns based on disability status, the total civilian non-institutionalized population with a disability was examined.

To analyze potential concerns regarding accessibility to public information and public hearings concerning public health or environmental impacts of programs, policies, and activities the types of difficulties experienced by the total population with a disability were also examined.

² *Sensitive Populations and Chemical Exposure*. Centers for Disease Control and Prevention (CDC) and Agency for Toxic Substances Disease Registry (ATSDR). Archived September 27, 2024.
<https://web.archive.org/web/20240927202933/https://www.atsdr.cdc.gov/emes/public/docs/Sensitive%20Populations%20FS.pdf>

Limited English Proficiency

Eleven language categories with Limited English Proficiency (LEP; speak English “Less than Very Well”) ³ were analyzed. These LEP language categories are within the top LEP language categories in the state and are as follows:

- Spanish
- Chinese (including Mandarin and Cantonese)
- Vietnamese
- Arabic
- French (including Cajun)
- Korean
- Other Asian and Pacific Island Languages
- Russian, Polish or other Slavic Languages
- Other Indo-European Languages
- Tagalog (including Filipino)
- German or other West Germanic Languages

To analyze potential concerns regarding accessibility to public information concerning public health or environmental impacts of programs, policies, and activities, these identified populations with LEP were examined.

Educational Attainment

To analyze potential concerns based on socioeconomic status, populations with the highest level of level of educational attainment being a high school graduate or equivalent or lower were examined for adults of 25 years or older. Populations where the highest level of educational attainment being high school graduate or lower were also examined for populations between 18 and 24 years old.

Poverty and Low-income

To analyze potential concerns based on income levels, populations below the poverty level and “low income” populations were examined. Poverty status is determined by annual income relative to the number of individuals and dependents living in a household. The poverty level for 2023 was defined as having a household income less than \$15,480 for a household with one individual or having a household income of less than \$31,200 for a household with four individuals. ⁴ The U.S. Census Bureau considers a household to be all individuals that occupy a housing unit as their usual place of residence. ⁵ Analyzed poverty data from the U.S. Census Bureau considered total populations in poverty as a count of individuals, which was determined on a household level according to these guidelines.

The US EPA assesses income and poverty conditions using the threshold of “low income.” Low income is defined as a household income below twice the federal poverty level. ⁶ The low-income level for 2023 was defined as having a household income less than \$30,960 for a household with one individual or

³ Table B16001 2021: ACS 5-Year Estimates. U.S. Census Bureau.

<https://data.census.gov/table/ACSDT1Y2022.B16001?t=Language+Spoken+at+Home&g=040XX00US53>

⁴ <https://www.census.gov/library/publications/2024/demo/p60-283.html>

⁵ Household Definition. (n.d.). In *US Census Bureau Glossary*. <https://www.census.gov/glossary/?term=Household>.

⁶ U.S. Department of Energy. (2024). *Weatherization assistance for low-income persons*, 10 C.F.R. § 440.3. <https://www.ecfr.gov/current/title-10/chapter-II/subchapter-D/part-440/section-440.3>

having a household income of less than \$62,400 for a household with four individuals. The US Census Bureau measures this value as “below 200% of the poverty level.”

3. Permitting Information

3.1 Facility Details

The T-15 Reliability Project intends to alter or construct pipeline infrastructure, including transmission pathways and compressor stations, that may require additional environmental permitting. **Table 1** describes the types of permit applications submitted to NCDEQ related to Enbridge Gas’s projected workplan.

This assessment will focus on permits administered by the Division of Air Quality and the Division of Water Resources that will go through a public participation process.

Table 1: Overview of environmental permits required by NCDEQ for T-15 Reliability Project

PERMITTING DIVISION	PERMIT TYPE	DESCRIPTION
Division of Air Quality	Small/Synthetic Minor	The potential to emit must be less than 100 ton/year for each criteria pollutant and less than 10 ton/year for each individual hazardous air pollutant and less than 25 ton/year for the sum of all hazardous air pollutants. Synthetic minor permits are administered by a facility's Regional Office.
Division of Water Resources	404 Water Quality Certification	Section 404 of the Clean Water Act (CWA) establishes a program to regulate the discharge of dredged or fill material into waters of the United States , including wetlands. Section 404 requires a permit before dredged or fill material may be discharged into waters of the United States, unless the activity is exempt from Section 404 regulation (e.g., certain farming and forestry activities).
Division of Energy, Mineral, and Land Resources	NG01 Construction Stormwater permit	Construction activities that disturb more than an acre of land are required to get an approved Erosion and Sedimentation Control Plan (E&SC) and coverage under the Construction General Stormwater Permit (NCG01)

3.2 Air Quality Permit Details

Public Service Company of North Carolina (PSNC) d/b/a as Dominion Energy North Carolina (DENC) is proposing to install a new compressor station, Ruffin II to support its the T-15 Reliability natural gas pipeline project.

NCDEQ's Division of Air Quality (DAQ) issued PSNC an air quality permit on October 17, 2024, for this project. This permit includes a synthetic minor limitation mandating that facility-wide emissions of carbon monoxide (CO) remain below 100 tons per year (tpy). To maintain this level of emissions, each of the four turbines will be controlled by an oxidation catalyst which will effectively reduce CO emissions to below the Title V threshold of 100 tons per year. To comply with the permit and ensure that CO emissions do not exceed the regulatory limit, the following requirements apply to each of the four oxidization catalysts:

- The pressure drop across each catalyst bed will be recorded weekly.
- The temperature before each catalyst bed will be recorded weekly.
- Periodic inspections and maintenance as recommended by the manufacturer will be required.
- The facility-wide emissions after control and before control are shown in the table below.

Table 2. Air quality emission values (tons per year) before and after control of Synthetic Minor Permit limitations

	Potential to Emit with Synthetic Minor Limitation (tpy)	Potential to Emit without Synthetic Minor Limitation (tpy)
Particulate matter, total	13.25	13.25
Particulate matter, <10 microns (PM10)	13.25	13.25
Particulate matter, <2.5 microns (PM2.5)	13.25	13.25
Sulfur dioxide (SO2)	1.21	1.21
Nitrogen oxides (NOx)	80.17	80.17
Carbon monoxide (CO)	42.29	159.1
Volatile Organic Compounds (VOCs)	19.08	19.08
Single largest HAP (Formaldehyde)	2.25	2.25
Total HAPs	2.72	2.72

DAQ evaluated the toxic air pollutant (TAP) emissions for this facility; those of formaldehyde and benzene were above the Toxics Permitting Emissions Rates (TPERs) in 15A NCAC 02Q .0711. Dispersion modeling performed for these TAPs showed each was less than their respective Acceptable Ambient Level (AAL). The modeling adequately demonstrated compliance on a source -by-source basis for both air toxics modeled. At maximum concentrations, benzene emissions were found to be at 4.93% of the acceptable ambient level (AAL) while formaldehyde emissions were found to be at 37.54% of the AAL.

3.3 Water Resources Permit Details

Enbridge Gas North Carolina (EGNC) has applied to the North Carolina Department of Environmental Quality Division of Water Resources for a Clean Water Act Section 401 Water Quality Certification in connection with the proposed construction of a pipeline known as the T-15 Reliability Project: [Application](#).

The pipeline is proposed as a high-pressure steel natural gas transmission pipeline ranging from 30 to 36 inches in diameter. Approximately 39 miles of the pipeline is proposed to replace an existing 18-inch pipeline. Approximately 62% of the disturbed area will take place within open areas within the existing easements and open fields.

According to the application, the pipeline is proposed to provide natural gas to meet growing demand for natural gas in the 11 counties EGNC serves in the region by addressing the limited capacity of the existing T-015 pipeline and to meet future growth and reliability of service. The pipeline is located between an existing metering and regulating station near Eden, extends through Caswell County and ends on the south side of Hyco Lake in Person County.

Along the route of the pipeline in North Carolina, the proposed pipeline project would permanently impact 680 linear feet of jurisdictional streams and 1.39 acres of 404 jurisdictional wetlands, as well as to temporarily impact 18,095 linear feet of jurisdictional streams, 0.392 acres of jurisdictional open waters, and 13.603 acres of 404 jurisdictional wetlands related to the construction.

Five stream crossings are proposed to be installed underneath large stream channels using the horizontal directional drill or conventional bore methods. These types of installation avoid impacts to the surface water.

In all locations, EGNC is proposing that once construction is complete, the ground surface, streams, and wetlands would be restored as near as practical to their pre-construction condition.

Projects that require a Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers must also receive a 401 Water Quality Certification from the State in order for the federal permit to be valid. For a project to be issued a Certification, it must meet the following criteria:

1. Minimizes adverse impacts to surface waters and wetlands based on consideration of existing topography, vegetation, fish and wildlife resources, and hydrological conditions
2. Does not result in the degradation of groundwaters or surface waters
3. Does not result in secondary or indirect impacts, that cause or will cause a violation of downstream water quality standards and
4. Provides for replacement of permanent impacts through mitigation

To document the minimization criteria mentioned as part of the 401 certification regulations, EGNC has indicated in their application that they are committing to the following steps to minimize the impact of construction on surface waters and wetlands.

At surface water crossings:

- Install temporary bridges to reduce potential for sediment impacts
- Use methods to work in the dry (routing water around work area) in all locations

- Limit ground disturbance within 25 feet of streams until pipeline installation
- Execute stream crossings to limit time of disturbance
- Crossings to be monitored by onsite environmental inspector
- Restoring streambed/banks to near as practicable pre-existing conditions immediately after pipeline installation
- Monitor restored streams to ensure stability

In wetland areas:

- They have limited the width of the construction right-of-way
- They have located additional temporary workspaces in uplands at least 50 feet from wetland boundaries in most cases
- They propose to maintain sediment barriers during construction
- They propose to restore the ground surface to pre-existing conditions after pipeline installation
- They propose to re-seed the construction corridor with a native seed mix

The Division received EGNC's current application for Certification and Authorization on January 20. On May 9, the division issued a public notice announcing public hearings would be held on June 12 and 24. The public comment period for written comments will remain open until July 25. The director of the Division of Water Resources has until Sept. 9 to issue or deny the application in accordance with Session Law 2023-137.

4. Geographic Area

4.1 Project Areas

The proposed route for T-15 Reliability project runs through Rockingham, Caswell, and Person Counties. The scope of potential environmental impacts of the project depends on the type of permitted activities occurring at a location. To capture the range of activities occurring across the pipeline route, this report will define different project areas for type of permit to be issued.

The Division of Air Quality is responsible for permitting air emissions from compressor stations along the pipeline route. For each compressor station, the Air Quality Project Area will be defined as the one-mile radius from the compressor station. There are two compressor stations associated with T-15 Reliability Project:

- Enbridge Gas NC – Ruffin I
- PSNC – Ruffin Compressor Station II

The Division of Water Resources is responsible for permitting at stream and wetland crossings along the pipeline route. Due to the frequency of stream and wetland crossings along the entire route of the pipeline, the length of the pipeline will be considered the Water Resources Project Area.

Demographics for the project area and census tracts intersecting the project area were analyzed for this report. **Table 3** and **Figure 1** summarize the geographic area and census tracts within a one-mile radius of the Ruffin Compressor Station II. **Table 4** and **Figure 2** summarize the geographic area and census tracts that intersect the T-15 Reliability Project pipeline route.

Table 3: Geographic area summary of Ruffin Compressor Station II

GEOGRAPHIC AREA SUMMARY – RUFFIN COMPRESSOR STATION II	
Facility Address	527-551 Old US 29 Hwy, Ruffin, NC 27326
Geographic Coordinates	36.4634, -79.5277
County	Rockingham County
Census Tract with the facility	Rockingham County 401.02
Census Tracts within a one-mile radius of facility	Caswell County 9303
	Caswell County 9304
Located in a Potentially Underserved Community	No
Located within one mile of a Potentially Underserved Community	Yes
2025 County Tier for County Distress Rankings	1
2025 Economic Distress Ranking out of 100	28
Presence of State- or Federally recognized Tribes or Urban Indian Organizations	Occaneechi Tribe Guilford Native American Association

Table 4: Geographic area summary of T-15 Reliability Project pipeline route

GEOGRAPHIC AREA SUMMARY – T-15 RELIABILITY PROJECT PIPELINE ROUTE		
Counties and census tracts intersecting the pipeline route	Rockingham County	401.01
		401.02
	Caswell County	9301
		9302
		9303
		9304
		9306
	Person County	9202
		9206.01

Figure 1: Census tracts within one mile of the Ruffin Compressor Stations

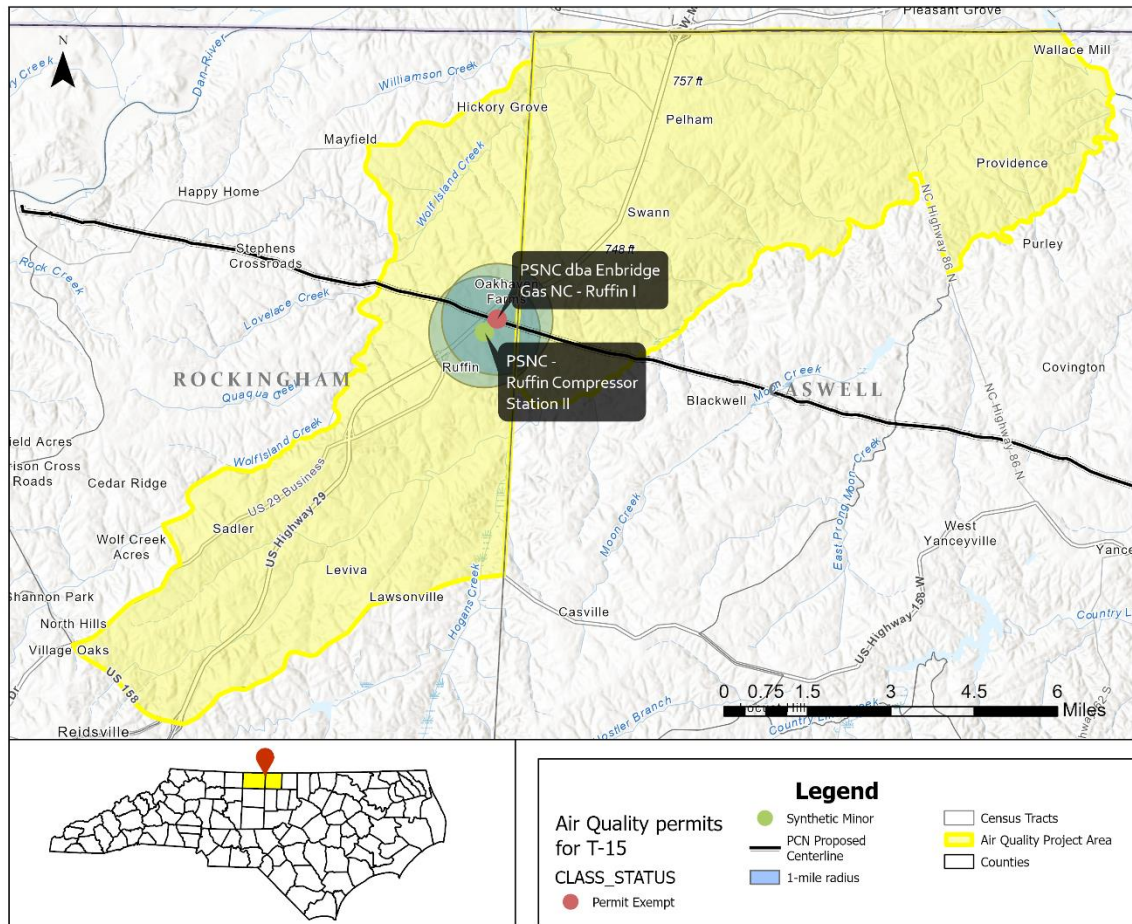
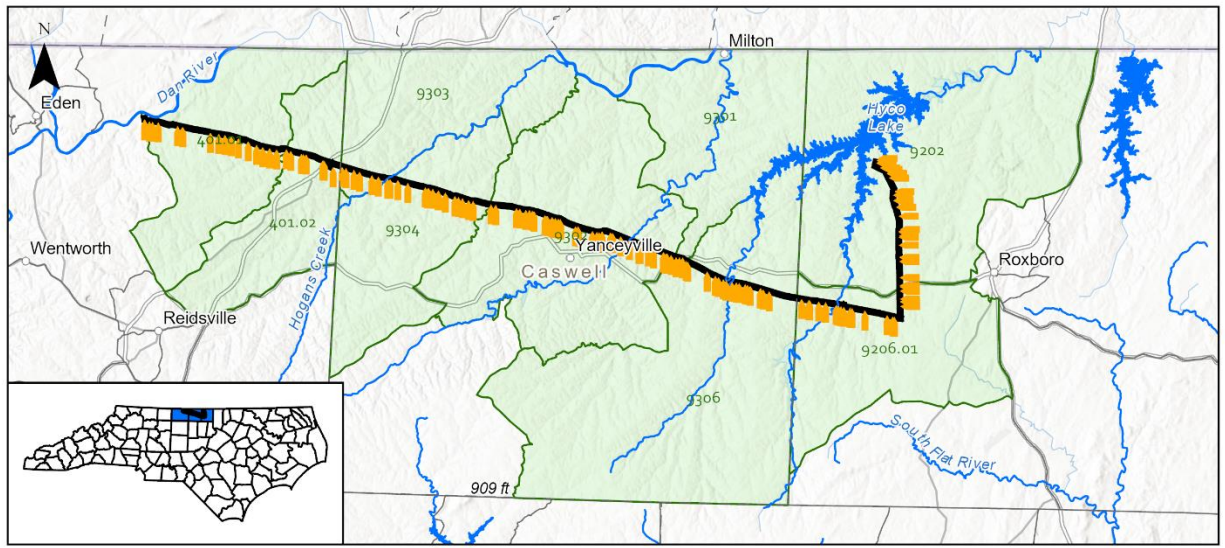


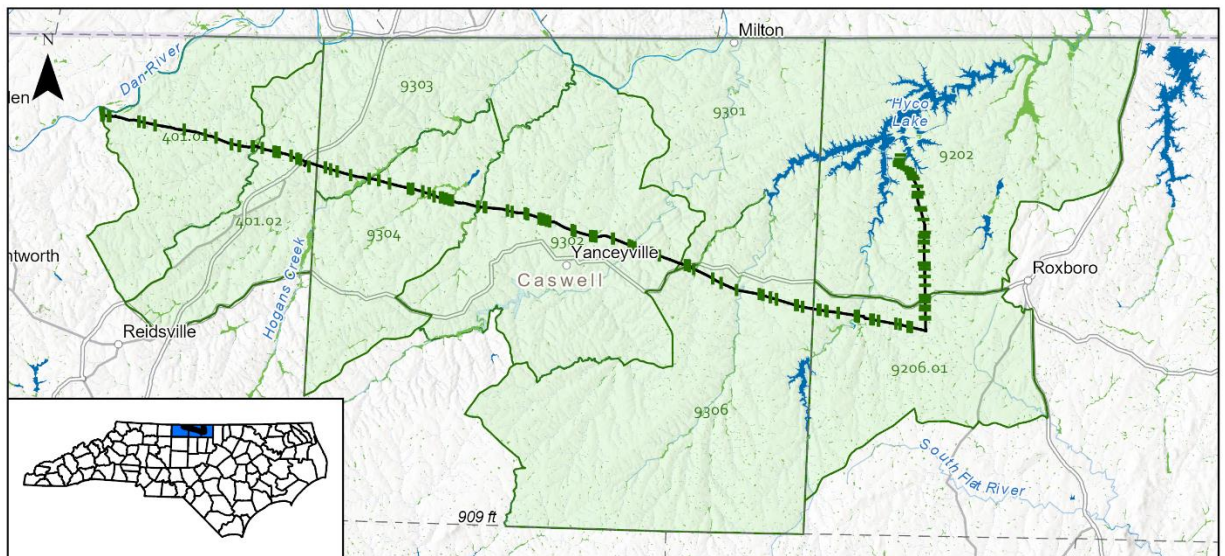
Figure 2: T-15 Reliability Project Stream, Wetland, and Open Water Crossings



Legend

- Stream Crossings horizontal
- Stream Crossings vertical
- Major Hydrography - Streams/Rivers
- Major Hydrography - Waterbodies
- PCN Proposed Centerline
- Water Resources Project Area
- Census Tracts

0 1.5 3 6 9 12 Miles



Legend

- Wetland and Open Water Crossings vertical
- Wetland and Open Water Crossings horizontal
- PCN Proposed Centerline
- USA Wetlands Marine
- Estuary
- Marsh, Swamp, Bog, Prairie
- River
- Lake, Reservoir
- Water Resources Project Area

0 1.5 3 6 9 12 Miles

4.2 Community Geography

NCDEQ Potentially Underserved Communities

NCDEQ defines a Potentially Underserved Community by examining the race/ethnicity and poverty criteria for each block group. The block group is then compared to both the county and the state and is classified by the Department as a Potentially Underserved Block Group if it meets the following criteria for race/ethnicity and poverty:

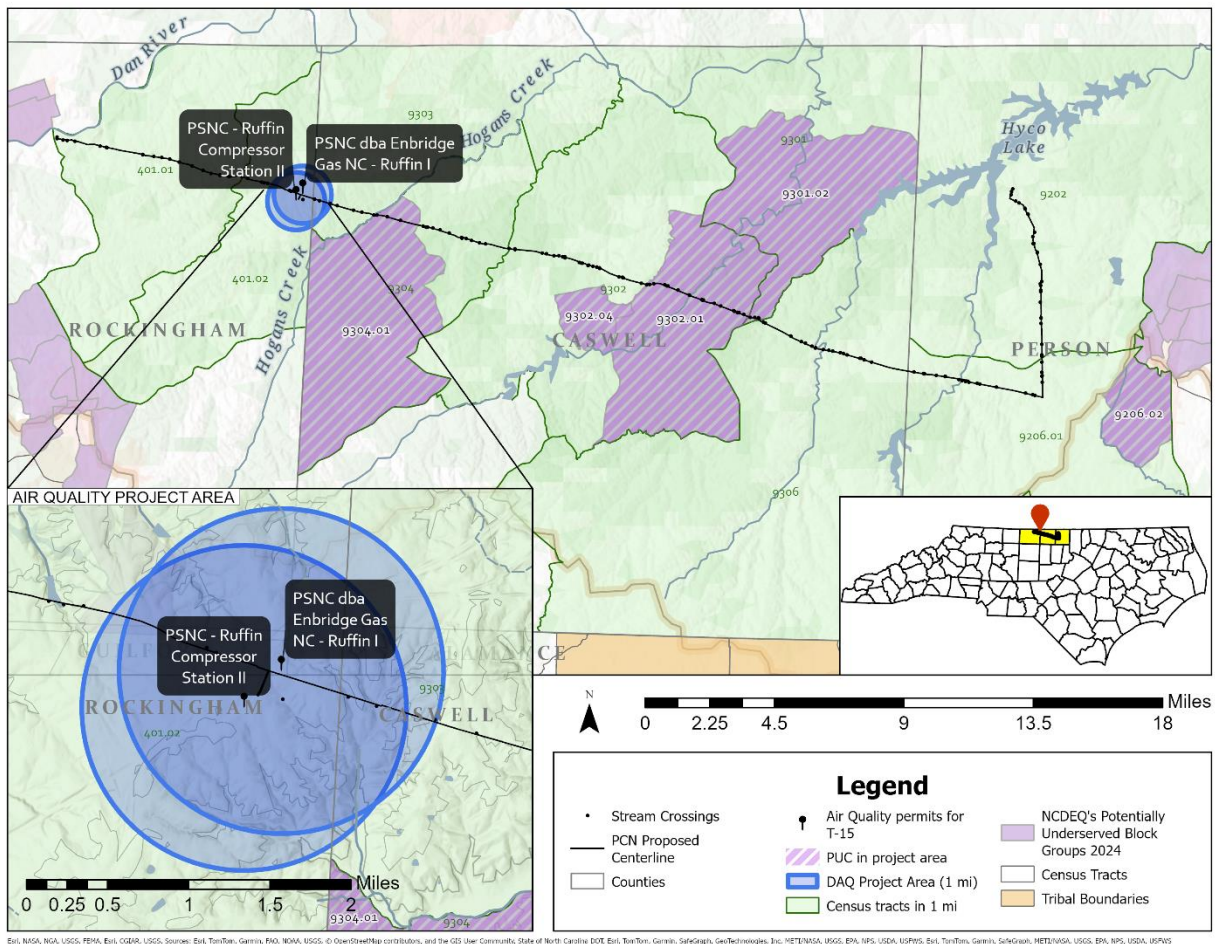
- **Race/Ethnicity:** Share of nonwhites and Hispanic or Latino (of any race) is over fifty percent OR Share of nonwhites and Hispanic or Latino (of any race) is at least ten percent higher than County or State share.

AND

- **Poverty:** Share of population experiencing poverty is over twenty percent OR Share of households in poverty is at least five percent higher than the County or State share.

These selections occur on a block group level and this dataset is a selection of the 2023 American Community Survey (ACS) data from the data tables B03002—Hispanic or Latino Origin by Race—and S1701—Poverty Status in the Past 12 Months. Learn more about [NCDEQ's Potentially Underserved Block Groups 2024 - Overview](#).

The T-15 Reliability project is located in areas of Rockingham, Caswell, and Person counties. Across the project area, there are 3 block groups that are considered Potentially Underserved Block Groups by NCDEQ's definition (**Figure 3**).

Figure 3: T-15 Reliability Project Census tracts

County Distress Rankings

According to the NC Department of Commerce 2025 County Tier Designations for County Distress Rankings, there are 2 counties in the project area with a Tier 1 ranking (on a scale of Tiers 1-3), which is categorized as most distressed. Rockingham County has an economic distress rank of 28 out of 100, and Caswell County has an economic distress rank of 20 out of 100 (**Table 5**).

A rank of 1 is considered the most economically distressed and a rank of 100 is considered the least economically distressed.

County tiers in the state are calculated by the NC Department of Commerce using four factors: average unemployment rate, median household income, percentage growth in population, and adjusted property tax base per capita. Tier 1 encompasses the 40 most distressed counties, Tier 2 encompasses the next 40, and Tier 3 encompasses the 20 least distressed counties. Visit the [NC Department of Commerce's County Distress Rankings](#) for more details on county tier calculations.

Table 5: 2025 NC Department of Commerce County Tier Designations

COUNTY	COUNTY TIER DESIGNATION	ECONOMIC DISTRESS RANK
Rockingham	1	28
Caswell	1	20
Person	2	56

Tribal Communities

There are 8 Tribes (seven state recognized and one federally recognized) in North Carolina and 4 Urban Indian Organizations serving multiple counties in NC. Tribal Presence was assessed Based on NC DOA's [NC Tribal and Urban Communities map](#).

Members of the Occaneechi Band of the Saponi Nation resides within Caswell County, and Sappony Tribal territory is present within Person County. In addition, the Guilford Native American Association serves Native Americans/Indigenous individuals in Rockingham County. Communication with the Occaneechi Band of the Saponi Nation, the Sappony Tribe, and the Guilford Native American Association on outreach and engagement methods and other relevant information is recommended.

5. Sociodemographic Analysis

Using standard guidelines developed by the U.S. Environmental Protection Agency (US EPA) and National Environmental Policy Act (NEPA), the following conditions are highlighted as communities with the potential for concerns:

1. A 10% or more difference when compared to the county or state for race or ethnicity, age and sex, disability, and educational attainment (up to high school or equivalent level);
2. A 50% or more population of color;
3. Share of population experiencing poverty is 20% or more;
4. Share of low-income population is 20% or more;
5. Percentage increase of 5% or more compared to the county or state average for poverty or low-income;
6. At least 5% of the population or 1,000 people (whichever is smaller) speaks English less than very well.

The U.S. Census Bureau uses and provides margins of error as an indicator of potential sampling errors and relative reliability. A larger margin of error corresponds to a higher degree of uncertainty. Estimates, margins of error, NCDEQ-calculated confidence intervals for sociodemographic indicators are provided in Appendix C (as available through the U.S. Census Bureau).

5.1 Air Quality Project Area

Race and Ethnicity

- Caswell County and Caswell County Census Tract 9304 has a proportionate Black or African American population greater than 10% higher than the county and state.

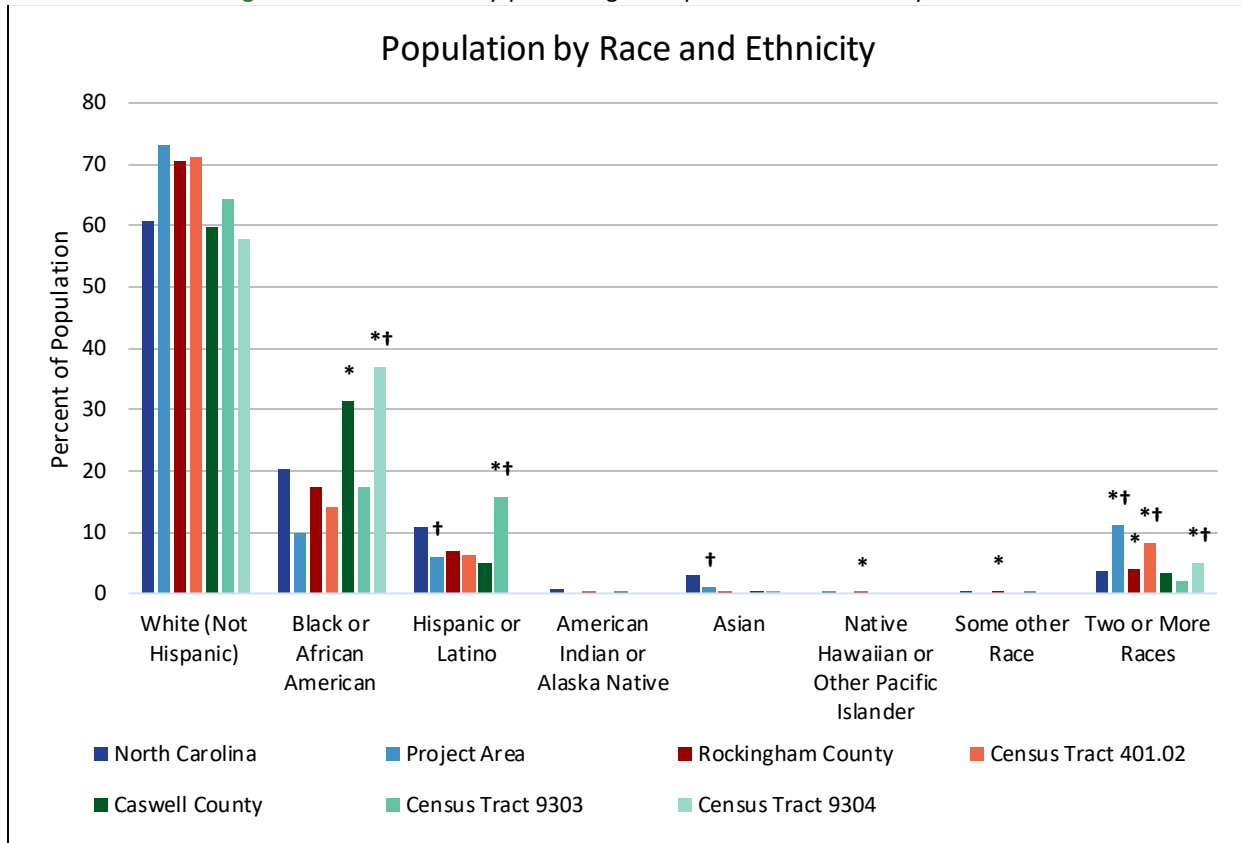
- Rockingham County Census Tract 401.01 and Caswell County Census Tract 9303 have a proportionate Hispanic or Latino population greater than 10% higher from the county or state.
- The project area has a proportionate Asian population greater than 10% higher than Rockingham or Caswell counties.
- The project area, Rockingham Census Tract 401.02, and Caswell County Census Tract 9304 have a proportionate “two or more race” population greater than 10% higher from the county and state.

Table 6: Race & Ethnicity percentage comparisons to Rockingham County and state for Ruffin Compressor Station project area

RACE & ETHNICITY (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	PROJECT AREA	CENSUS TRACT 401.02
White (Not Hispanic)	60.65	70.51	73.00	71.16
Black or African American	20.29	17.45	10.00	14.16
Hispanic or Latino	10.95	6.89	6.00	6.43
American Indian or Alaska Native	0.85	0.16	0.00	0.00
Asian	3.12	0.19	1.00†	0.00
Native Hawaiian or Other Pacific Islander	0.05	0.15*	0.00	0.00
Some other Race	0.44	0.53*	0.00	0.00
Two or More Races	3.66	4.11*	11.00*†	8.25*†
Total Population	10,584,340	91,585	222	2,316
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .				

Table 7: Race & Ethnicity percentage comparisons to Caswell County and state for Ruffin Compressor Station project area

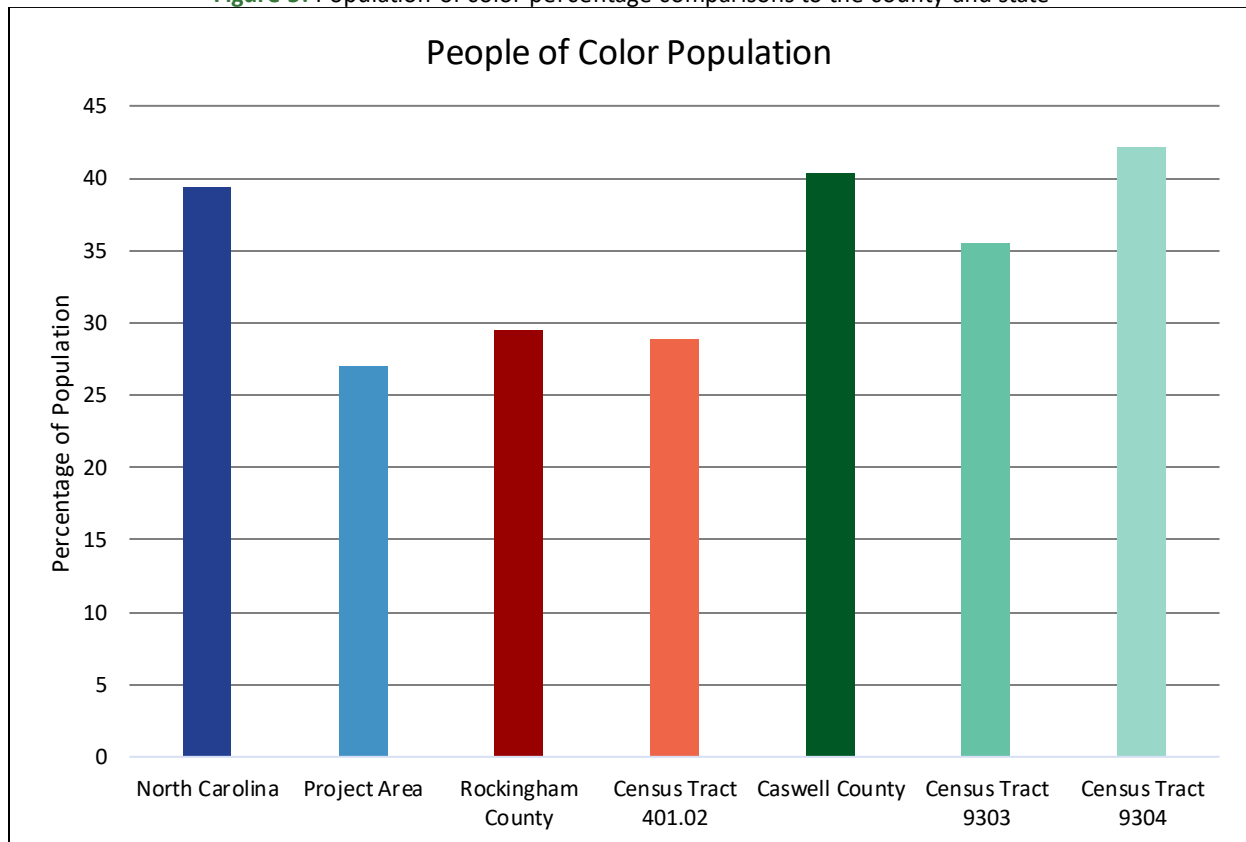
RACE & ETHNICITY (%)					
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	PROJECT AREA	CENSUS TRACT 9303	CENSUS TRACT 9304
White (Not Hispanic)	60.65	59.69	73.00	64.49	57.90
Black or African American	20.29	31.46*	10.00	17.25	37.00*†
Hispanic or Latino	10.95	4.86	6.00†	15.72*†	0.00
American Indian or Alaska Native	0.85	0.08	0.00	0.00	0.00
Asian	3.12	0.43	1.00†	0.38	0.00
Native Hawaiian or Other Pacific Islander	0.05	0.00	0.00	0.00	0.00
Some other Race	0.44	0.05	0.00	0.00	0.00
Two or More Races	3.66	3.43	11.00*†	2.17	5.10*†
Total Population	10,584,340	22,689	222	4,517	2,354
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate					
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .					
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .					

Figure 4: Race & Ethnicity percentage comparisons to the county and state**Table 8:** Population of color percentage comparisons to Rockingham County and state

POPULATION OF COLOR (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	PROJECT AREA	CENSUS TRACT 401.02
Population of Color	39.35	29.49	27.00	28.84
Total Population	10,584,340	91,585	222	2,316
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .				

Table 9: Population of color percentage comparisons to Caswell County and state

POPULATION OF COLOR (%)					
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	PROJECT AREA	CENSUS TRACT 9303	CENSUS TRACT 9304
Population of Color	39.35	40.31	27.00	35.51	42.10
Total Population	10,584,340	22,689	222	4,517	2,354
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate					
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .					
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .					

Figure 5: Population of color percentage comparisons to the county and state

Age & Sex

- Rockingham County Census Tract 401.02 and Caswell County Census Tract 9304 have a proportionate population above 65 years old that is greater than 10% higher than the state.
- Caswell County Census Tracts 9303 and 9304 have a proportionate population below 5 years old that is greater than 10% higher than the state and county.

Table 10: Median Age & Sex for North Carolina, Rockingham County, and Census Tract 401.02

MEDIAN AGE & SEX									
	NORTH CAROLINA (n=2672)			ROCKINGHAM COUNTY (n=22)			CENSUS TRACT 401.02		
	Male	Female	Both	Male	Female	Both	Male	Female	Both
Median Age	37.7	40.4	39.1	43.10	46.10	44.70	42.80	41.00	41.20
Total (%)	48.92	51.08		48.90	51.10		47.93	52.07	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate									
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .									
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .									

Table 11: Median Age & Sex for North Carolina and Caswell County

MEDIAN AGE & SEX						
	NORTH CAROLINA (n=2672)			CASWELL COUNTY (n=6)		
	Male	Female	Both	Male	Female	Both
Median Age	37.7	40.4	39.1	42.60	49.10	46.20
Total (%)	48.92	51.08		51.99	48.01	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						

Table 12: Median Age & Sex for Caswell County Census Tracts 9303 and 9304

MEDIAN AGE & SEX						
	CENSUS TRACT 9303			CENSUS TRACT 9304		
	Male	Female	Both	Male	Female	Both
Median Age	27.30	40.90	34.90	38.80	41.20	39.90

Total (%)	52.62	47.38		44.39	55.61	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .						

Table 13: Age percentage comparisons to Rockingham County and state

AGE (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	PROJECT AREA	CENSUS TRACT 401.02
Below 5 Years Old	5.65	5.00	3	3.11
Above 65 Years Old	16.88	20.75*	17	18.70*
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .				

Table 14: Age percentage comparisons to Caswell County and state

AGE (%)					
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	PROJECT AREA	CENSUS TRACT 9303	CENSUS TRACT 9304
Below 5 Years Old	5.65	4.65	3	7.35*†	6.37*†
Above 65 Years Old	16.88	22.46*	17	17.18	24.26*
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate					
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .					
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .					

Disability

- The population living with a disability in Rockingham Census Tract 401.02 is greater than 10% higher when compared to the state and county.
- The population living with a disability in Caswell Census Tracts 9303 and 9304 is greater than 10% higher when compared to the state.

Table 15: Disability percentage comparisons to Rockingham County and state

DISABILITY (%)			
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.02
Population with a Disability	13.37	17.75*	21.37*†
Type of Difficulty			
Hearing	27.67	29.21	25.05
Vision	18.85	18.98	19.60
Cognitive	38.59	41.21	67.07*†
Ambulatory	50.26	53.79	59.80*†
Self-care	18.19	20.40*	32.73*†
Independent Living	33.65	38.55*	41.41*
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate			
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .			
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .			

Table 16: Disability percentage comparisons to Caswell County and state

DISABILITY (%)				
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9303	CENSUS TRACT 9304
Population with a Disability	13.37	20.04*	19.77*	18.02*
Type of Difficulty				

Hearing	27.67	26.07	27.88	31.68*†
Vision	18.85	19.87	20.72	13.00
Cognitive	38.59	39.08	55.32*†	44.44*†
Ambulatory	50.26	47.72	44.46	39.01
Self-care	18.19	15.92	11.42	6.38
Independent Living	33.65	32.41	25.64	27.19
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Limited English Proficiency

- The population of Spanish-speaking persons with limited-English proficiency is greater than 5% of the overall population ages 5 and over in Caswell County Census Tract 9303.
- The proportion of French, Haitian, or Cajun-speaking persons with limited-English proficiency in Caswell County and Caswell County Census Tract 9303 is greater than 5% higher when compared to the state or county.
- The proportion of Tagalog-speaking persons with limited-English proficiency in Caswell County and Caswell County Census Tract 9303 is greater than 5% higher when compared to the state or county.

Table 17: Limited English Proficiency percentage comparisons to Rockingham County and state

LIMITED ENGLISH PROFICIENCY (%)			
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.02
Speak only English	86.98	94.27*	95.81*
Spanish	3.47	2.24	1.96
French, Haitian, or Cajun	0.10	0.06	0.00
German or other West Germanic languages	0.04	0.01	0.00
Russian, Polish, or other Slavic languages	0.10	0.02	0.00
Chinese (including Mandarin, Cantonese)	0.16	0.00	0.00
Vietnamese	0.16	0.04	0.00
Korean	0.08	0.00	0.00
Tagalog (including Filipino)	0.04	0.01	0.00

Other Asian and Pacific Island Languages	0.27	0.00	0.00
Other Indo-European Languages	0.27	0.03	0.00
Arabic	0.11	0.03	0.00
Total Population 5 Years and over	9,986,027	87,003	2,244
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate			
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .			
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .			

Table 18: Limited English Proficiency percentage comparisons to Caswell County and state

LIMITED ENGLISH PROFICIENCY (%)				
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9303	CENSUS TRACT 9304
Speak only English	86.98	94.38*	85.26	93.24*
Spanish	3.47	2.20	9.06*†	0.00
French, Haitian, or Cajun	0.10	0.17*	0.88*†	0.00
German or other West Germanic languages	0.04	0.00	0.00	0.00
Russian, Polish, or other Slavic languages	0.10	0.23*	0.00	0.00
Chinese (including Mandarin, Cantonese)	0.16	0.00	0.00	0.00
Vietnamese	0.16	0.12	0.00	0.00
Korean	0.08	0.00	0.00	0.00
Tagalog (including Filipino)	0.04	0.08*	0.41*†	0.00
Other Asian and Pacific Island Languages	0.27	0.00	0.00	0.00
Other Indo-European Languages	0.27	0.00	0.00	0.00
Arabic	0.11	0.00	0.00	0.00
Total Population 5 Years and over	9,986,027	21,635	4,185	2,204

Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate

All **bolded*** cells indicate a percentage increase of 5% or more in the county or census tract compared to the **state**.

All cells **bolded†** indicate a percentage increase of 5% or more in the census tract when compared to the **county**.

Educational Attainment

- The proportion of the population 18-24 years old with less than a high school education in Rockingham County, Caswell County, Rockingham Census Tract 401.02, and Caswell County Census Tract 9304 is greater than 10% higher when compared to the state or county.
- The proportion of the population 25 and over with less than a 9th grade education in Caswell County and Caswell County Census Tract 9303 is greater than 10% higher when compared to the state or county.
- The population 25 and over with a 9th to 12th grade education and no diploma in Rockingham County, Caswell County, Rockingham County Census Tract 401.02, and Caswell County Census Tracts 9303 and 9304 is greater than 10% higher when compared to the state or county.

Table 19: Educational Attainment percentage comparisons to the Rockingham County and state (Populations between 18-24 years)

EDUCATIONAL ATTAINMENT (%)			
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.02
Less than High School Graduate	11.44	15.65*	17.92*†
High school graduate (includes equivalency)	34.20	39.46*	39.17*
Population age 18-24 years	999,707	6,615	240
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate			
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .			
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .			

Table 20: Educational Attainment percentage comparisons to the Rockingham County and state (Populations age 25 years and over)

EDUCATIONAL ATTAINMENTS (%)			
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.02
Less than 9th grade	3.97	4.34	2.04

9th to 12th grade, no diploma	6.28	11.27*	11.87*
High school graduate (includes equivalency)	24.96	34.61*	36.69*
Bachelor's degree	34.72	16.13	13.43
Population age 25 years and over	7,261,810	66,238	1,668
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate			
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .			
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .			

Table 21: Educational Attainment percentage comparisons to the Caswell County and state (Populations between 18-24 years)

EDUCATIONAL ATTAINMENT (%)				
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9303	CENSUS TRACT 9304
Less than High School Graduate	11.44	22.05*	3.13	23.26*
High school graduate (includes equivalency)	34.20	42.89*	44.20*	45.18*
Population age 18-24 years	999,707	1,914	448	301
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Table 22: Educational Attainment percentage comparisons to the Caswell County and state (Populations age 25 years and over)

EDUCATIONAL ATTAINMENTS (%)				
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9303	CENSUS TRACT 9304
Less than 9th grade	3.97	4.66*	6.07*†	2.50
9th to 12th grade, no diploma	6.28	11.69*	14.47*†	16.25*†

High school graduate (includes equivalency)	24.96	35.77*	34.28*	28.21*
Bachelor's degree	34.72	16.05	13.96	7.36
Population age 25 years and over	7,261,810	16,619	2,751	1,563
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Poverty and Low Income

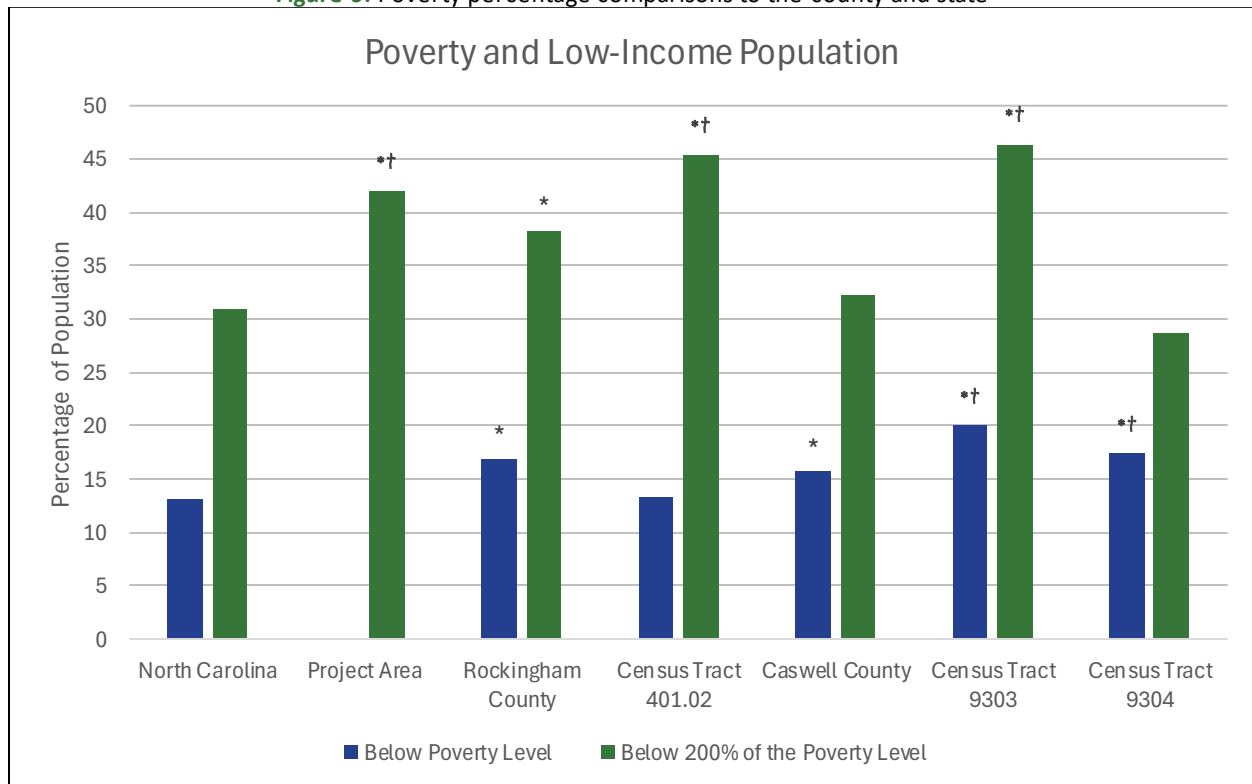
- Rockingham County, the project area, Rockingham Census Tract 401.02, and Caswell County Census Tract 9303 have a proportionate population below 200% of the poverty level that is greater than 5% higher than the state and county.
- Rockingham County, Caswell County, and Caswell County Census Tracts 9303 and 9304 have a proportionate population below the poverty level that is greater than 5% higher than the state and county.

Table 23: Poverty percentage comparisons to Rockingham County and state

POVERTY (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	PROJECT AREA	CENSUS TRACT 401.02
Below Poverty Level	13.17	16.85*		13.26
Below 200% of the Poverty Level	31.03	38.32*	42.00*†	45.38*†
Total Population for whom Poverty Status is Determined	10,297,193	89541	222	2,292
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .				

Table 24: Poverty percentage comparisons to Caswell County and state

POVERTY (%)					
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	PROJECT AREA	CENSUS TRACT 9303	CENSUS TRACT 9304
Below Poverty Level	13.17	15.71*		20.00*†	17.38*†
Below 200% of the Poverty Level	31.03	32.33	42.00*†	46.41*†	28.67
Total Population for whom Poverty Status is Determined	10,297,193	21161	222	4,266	2,347
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate					
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .					
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .					

Figure 6: Poverty percentage comparisons to the county and state

5.2 Water Resources Project Area

Race and Ethnicity

- Caswell County, Person County, Caswell County Census Tracts 9301, 9302, and 9304, and Person County Census Tract 9206.01 have a proportionate Black or African American population greater than 10% higher than the county or state.
- Rockingham County Census Tract 401.01 and Caswell County Census Tract 9301 and 9303 have a proportionate Hispanic or Latino population greater than 10% higher from the county or state.
- Caswell County Census Tract 9302 has a proportionate American Indian or Alaska Native population greater than 10% higher from the county.
- Rockingham County Census Tract 401.01 has a proportionate Asian population greater than 10% higher than the county.
- Rockingham County has a proportionate Native Hawaiian or Other Pacific Islander population greater than 10% higher than the state.
- Rockingham County and Caswell County Census Tract 9302 have a proportionate “some other race” population greater than 10% higher than the state or county.
- Rockingham County, Rockingham County Census Tract 401.02, Caswell County Census Tract 9304, and Person County Census Tract 9206.01 have a proportionate “two or more race” population greater than 10% higher from the county or state.

Table 25: Race & Ethnicity percentage comparisons in Rockingham County and the state

RACE & ETHNICITY (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
White (Not Hispanic)	60.65	70.51	73.81	71.16
Black or African American	20.29	17.45	14.46	14.16
Hispanic or Latino	10.95	6.89	7.70†	6.43
American Indian or Alaska Native	0.85	0.16	0.00	0.00
Asian	3.12	0.19	0.78†	0.00
Native Hawaiian or Other Pacific Islander	0.05	0.15*	0.00	0.00
Some other Race	0.44	0.53*	0.30	0.00
Two or More Races	3.66	4.11*	2.95	8.25*†
Total Population	10,584,340	91,585	3,727	2,316

Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate

All **bolded*** cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the **state**.

All cells **bolded†** indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the **county**.

Table 26: Race & Ethnicity percentage comparisons in Caswell County and the state

RACE & ETHNICITY (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
White (Not Hispanic)	60.65	59.69	49.24	45.78	64.49	57.90	77.68
Black or African American	20.29	31.46*	43.66*†	49.89*†	17.25	37.00*†	19.17
Hispanic or Latino	10.95	4.86	6.06†	1.74	15.72*†	0.00	1.13
American Indian or Alaska Native	0.85	0.08	0.00	0.19†	0.00	0.00	0.00
Asian	3.12	0.43	0.00	0.33	0.38	0.00	0.00
Native Hawaiian or Other Pacific Islander	0.05	0.00	0.00	0.00	0.00	0.00	0.00
Some other Race	0.44	0.05	0.00	0.21†	0.00	0.00	0.00
Two or More Races	3.66	3.43	1.04	1.85	2.17	5.10*†	2.02
Total Population	10,584,340	22,689	2,311	5,183	4,517	2,354	2,354
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .							

Table 27: Race & Ethnicity percentage comparisons in Person County and the state

RACE & ETHNICITY (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
White (Not Hispanic)	60.65	64.76	79.05	64.73
Black or African American	20.29	25.46*	17.92	26.38*
Hispanic or Latino	10.95	5.86	0.62	4.59
American Indian or Alaska Native	0.85	0.12	0.00	0.00
Asian	3.12	0.43	0.00	0.45
Native Hawaiian or Other Pacific Islander	0.05	0.01	0.00	0.00
Some other Race	0.44	0.06	0.00	0.00
Two or More Races	3.66	3.30	2.41	3.84†
Total Population	10,584,340	39,275	5,519	5,515
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .				

Figure 7: Race & Ethnicity percentage comparisons to project area counties and the state

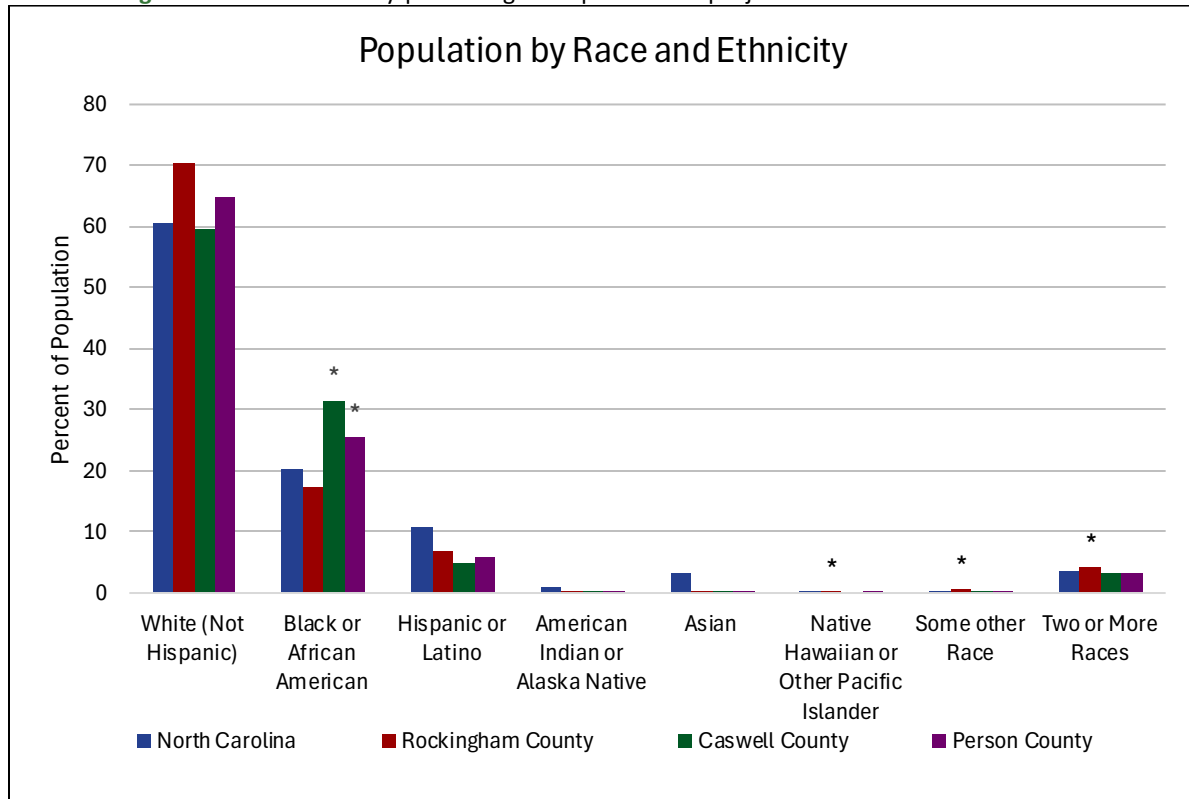


Figure 8: Race & Ethnicity percentage comparisons to project area census tracts

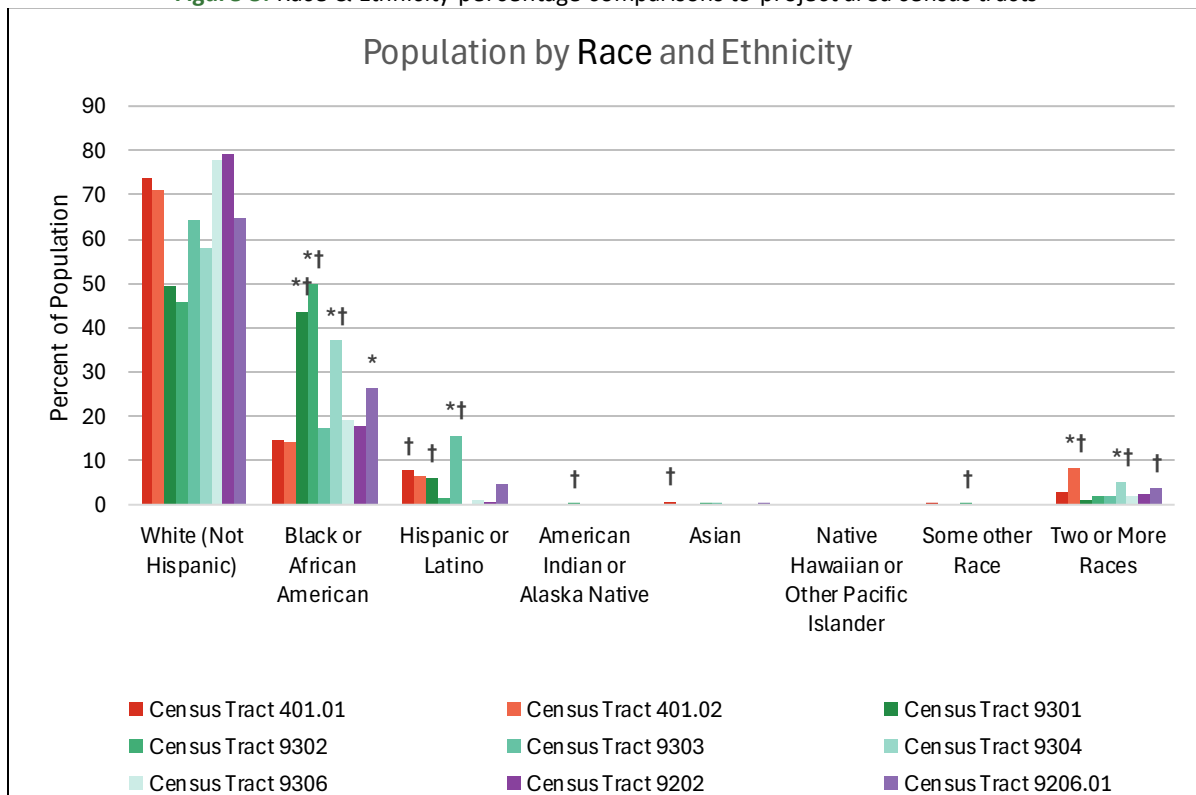


Table 28: Population of color percentage comparisons in Rockingham County and the state

POPULATION OF COLOR (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Population of Color	39.35	29.49	26.19	28.84
Total Population	10,584,340	91,585	3,727	2,316
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .				

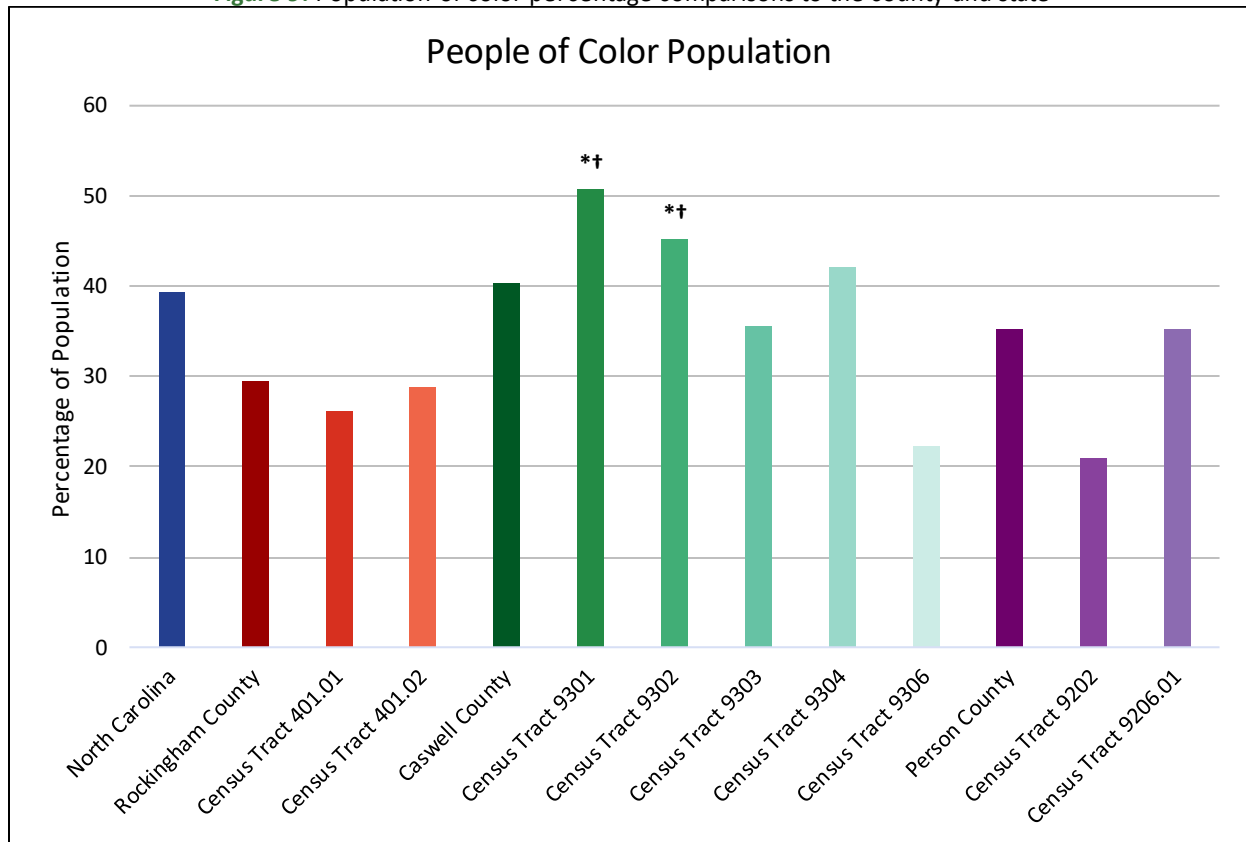
Table 29: Population of color percentage comparisons in Caswell County and the state

POPULATION OF COLOR (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Population of Color	39.35	40.31	50.76*†	54.22*†	35.51	42.10	22.32
Total Population	10,584,340	22,689	2,311	5,183	4,517	2,354	4,507
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .							

Table 30: Population of color percentage comparisons in Person County and the state

POPULATION OF COLOR (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Population of Color	39.35	35.24	20.95	35.27

Total Population	10,584,340	39,275	5,519	5,515
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more for non-white populations in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .				

Figure 9: Population of color percentage comparisons to the county and state

Age & Sex

- Rockingham County, Caswell County, Person County, Rockingham County Census Tracts 401.01 and 401.02, Caswell County Census Tracts 9301, 9302, 9304, and 9306, and Person County Census Tracts 9202 and 9206.01 have a proportionate population above 65 years old that is greater than 10% higher than the state or county.
- Caswell County Census Tracts 9301, 9303, 9304, and Person County Census Tract 9206.01 have a proportionate population below 5 years old that is greater than 10% higher than the state or county.

Table 31: Median Age & Sex for North Carolina and Rockingham County

MEDIAN AGE & SEX						
	NORTH CAROLINA (n=2672)			ROCKINGHAM COUNTY (n=22)		
	Male	Female	Both	Male	Female	Both
Median Age	37.7	40.4	39.1	43.10	46.10	44.70
Total (%)	48.92	51.08		48.90	51.10	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						

Table 32: Median Age & Sex for Rockingham County Census Tracts 401.01 and 401.02

MEDIAN AGE & SEX						
	CENSUS TRACT 401.01			CENSUS TRACT 401.02		
	Male	Female	Both	Male	Female	Both
Median Age	47.70	53.50	49.90	42.80	41.00	41.20
Total (%)	51.81	48.19		47.93	52.07	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .						

Table 33: Median Age & Sex for North Carolina and Caswell County

MEDIAN AGE & SEX						
	NORTH CAROLINA (n=2672)			CASWELL COUNTY (n=6)		
	Male	Female	Both	Male	Female	Both
Median Age	37.7	40.4	39.1	42.60	49.10	46.20
Total (%)	48.92	51.08		51.99	48.01	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						

All **bolded*** cells indicate a percentage increase of 10% or more in the county compared to the **state**.

Table 34: Median Age & Sex for Caswell County Census Tracts 9301 and 9302

MEDIAN AGE & SEX						
	CENSUS TRACT 9301			CENSUS TRACT 9302		
	Male	Female	Both	Male	Female	Both
Median Age	44.40	49.60	44.90	46.10	51.60	48.10
Total (%)	44.92	55.08		54.51	45.49	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .						

Table 35: Median Age & Sex for Caswell County Census Tracts 9303 and 9304

MEDIAN AGE & SEX						
	CENSUS TRACT 9303			CENSUS TRACT 9304		
	Male	Female	Both	Male	Female	Both
Median Age	27.30	40.90	34.90	38.80	41.20	39.90
Total (%)	52.62	47.38		44.39	55.61	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .						

Table 36: Median Age & Sex for Caswell County Census Tract 9306

MEDIAN AGE & SEX			
	CENSUS TRACT 9306		
	Male	Female	Both
Median Age	48.30	54.60	49.40

Total (%)	51.85	48.15	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate			
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .			
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .			

Table 37: Median Age & Sex for North Carolina and Person County

MEDIAN AGE & SEX						
	NORTH CAROLINA (n=2672)			PERSON COUNTY (n=7)		
	Male	Female	Both	Male	Female	Both
Median Age	37.7	40.4	39.1	42.60	45.90	43.90
Total (%)	48.92	51.08		48.22	51.78	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						

Table 38: Median Age & Sex for Person County Census Tracts 9202 and 9206.01

MEDIAN AGE & SEX						
	CENSUS TRACT 9202			CENSUS TRACT 9206.01		
	Male	Female	Both	Male	Female	Both
Median Age	55.10	52.40	53.50	43.90	42.70	43.40
Total (%)	49.23	50.77		46.26	53.74	
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate						
All bolded* cells indicate a percentage increase of 10% or more in the county compared to the state .						
All cells bolded† indicate a percentage increase of 10% or more for non-white populations in the census tract when compared to the county .						

Table 39: Age percentage comparisons to Rockingham County and state

AGE (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Below 5 Years Old	5.65	5.00	3.94	3.11
Above 65 Years Old	16.88	20.75*	21.14*	18.70*
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Table 40: Age percentage comparisons to Caswell County and state

AGE (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Below 5 Years Old	5.65	4.65	5.58†	4.90	7.35*†	6.37*†	2.62
Above 65 Years Old	16.88	22.46*	29.73*†	25.35*†	17.18	24.26*	22.37*
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .							

Table 41: Age percentage comparisons to Person County and state

AGE (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Below 5 Years Old	5.65	5.27	3.64	6.84*†
Above 65 Years Old	16.88	21.01*	32.25*†	21.20*

Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate

All **bolded*** cells indicate a percentage increase of 10% or more in the county or census tract compared to the **state**.

All cells **bolded†** indicate a percentage increase of 10% or more in the census tract when compared to the **county**.

Disability

- The population living with a disability in Rockingham County, Caswell County, Person County, and all project area census tracts is greater than 10% higher when compared to the state or county.

Table 42: Disability percentage comparisons to Rockingham County and state

DISABILITY (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Population with a Disability	13.37	17.75*	15.43*	21.37*†
Type of Difficulty				
Hearing	27.67	29.21	44.35*†	25.05
Vision	18.85	18.98	9.91	19.60
Cognitive	38.59	41.21	20.17	67.07*†
Ambulatory	50.26	53.79	48.52	59.80*†
Self-care	18.19	20.40*	20.52*	32.73*†
Independent Living	33.65	38.55*	21.91	41.41*
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Table 43: Disability percentage comparisons to Caswell County and state

DISABILITY (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Population with a Disability	13.37	20.04*	19.56*	25.76*†	19.77*	18.02*	18.02*
Type of Difficulty							
Hearing	27.67	26.07	19.91	21.68	27.88	31.68*†	28.24
Vision	18.85	19.87	11.73	23.89*†	20.72	13.00	22.06*†
Cognitive	38.59	39.08	26.99	23.60	55.32*†	44.44*†	52.61*†
Ambulatory	50.26	47.72	43.81	61.66*†	44.46	39.01	43.03
Self-care	18.19	15.92	20.35*†	15.61	11.42	6.38	11.03
Independent Living	33.65	32.41	36.73†	36.61†	25.64	27.19	36.00†
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .							

Table 44: Disability percentage comparisons to Person County and state

DISABILITY (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Population with a Disability	13.37	18.87*	17.79*	17.59*
Type of Difficulty				
Hearing	27.67	27.12	43.46*†	16.39
Vision	18.85	16.37	7.11	26.49*†
Cognitive	38.59	39.49	35.94	41.75
Ambulatory	50.26	51.27	40.99	47.84

Self-care	18.19	17.99	11.02	15.46
Independent Living	33.65	39.18*	26.26	31.44
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Limited English Proficiency

- The population of Spanish-speaking persons with limited-English proficiency is greater than 5% of the overall population ages 5 and over in Caswell County Census Tract 9303.
- The proportion of French, Haitian, or Cajun-speaking persons with limited-English proficiency in Caswell County and Caswell County Census Tract 9303 is greater than 5% higher when compared to the state or county.
- The proportion of Russian, Polish, or other Slavic language-speaking persons with limited-English proficiency in Caswell County and Caswell County Census Tract 9302 is greater than 5% higher when compared to the state or county.
- The proportion of Tagalog-speaking persons with limited-English proficiency in Caswell County and Caswell County Census Tract 9303 is greater than 5% higher when compared to the state or county.

Table 45: Limited English Proficiency percentage comparisons to Rockingham County and state

LIMITED ENGLISH PROFICIENCY (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Speak only English	86.98	94.27*	91.06	95.81*
Spanish	3.47	2.24	0.59	1.96
French, Haitian, or Cajun	0.10	0.06	0.00	0.00
German or other West Germanic languages	0.04	0.01	0.00	0.00
Russian, Polish, or other Slavic languages	0.10	0.02	0.00	0.00
Chinese (including Mandarin, Cantonese)	0.16	0.00	0.00	0.00
Vietnamese	0.16	0.04	0.00	0.00
Korean	0.08	0.00	0.00	0.00
Tagalog (including Filipino)	0.04	0.01	0.00	0.00

Other Asian and Pacific Island Languages	0.27	0.00	0.00	0.00
Other Indo-European Languages	0.27	0.03	0.00	0.00
Arabic	0.11	0.03	0.00	0.00
Total Population 5 Years and over	9,986,027	87,003	3,580	2,244
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .				

Table 46: Limited English Proficiency percentage comparisons to Caswell County and state

LIMITED ENGLISH PROFICIENCY (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Speak only English	86.98	94.38*	94.55*	96.59*	85.26	93.24*	100.00*†
Spanish	3.47	2.20	1.97	0.61	9.06*†	0.00	0.00
French, Haitian, or Cajun	0.10	0.17*	0.00	0.00	0.88*†	0.00	0.00
German or other West Germanic languages	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Russian, Polish, or other Slavic languages	0.10	0.23*	0.00	1.01*†	0.00	0.00	0.00
Chinese (including Mandarin, Cantonese)	0.16	0.00	0.00	0.00	0.00	0.00	0.00
Vietnamese	0.16	0.12	0.00	0.00	0.00	0.00	0.00
Korean	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Tagalog (including Filipino)	0.04	0.08*	0.00	0.00	0.41*†	0.00	0.00

Other Asian and Pacific Island Languages	0.27	0.00	0.00	0.00	0.00	0.00	0.00
Other Indo-European Languages	0.27	0.00	0.00	0.00	0.00	0.00	0.00
Arabic	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Total Population 5 Years and over	9,986,027	21,635	2,182	4,929	4,185	2,204	4,389
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .							

Table 47: Limited English Proficiency percentage comparisons to Person County and state

LIMITED ENGLISH PROFICIENCY (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Speak only English	86.98	94.57*	98.66*	98.27*
Spanish	3.47	1.60	0.56	1.25
French, Haitian, or Cajun	0.10	0.01	0.00	0.00
German or other West Germanic languages	0.04	0.00	0.00	0.00
Russian, Polish, or other Slavic languages	0.10	0.00	0.00	0.00
Chinese (including Mandarin, Cantonese)	0.16	0.00	0.00	0.00
Vietnamese	0.16	0.08	0.00	0.00
Korean	0.08	0.00	0.00	0.00
Tagalog (including Filipino)	0.04	0.04	0.00	0.00
Other Asian and Pacific Island Languages	0.27	0.27	0.00	0.00

Other Indo-European Languages	0.27	0.16	0.00	0.00
Arabic	0.11	0.00	0.00	0.00
Total Population 5 Years and over	9,986,027	37,205	5,318	5,138
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .				

Educational Attainment

- The proportion of the population 18-24 years old with less than a high school education in Rockingham County, Caswell County, Person County, Rockingham Census Tract 401.02, Caswell County Census Tract 9301, 9302, and 9304, Person County Census Tracts 9202 and 9206.01 is greater than 10% higher when compared to the state or county.
- The proportion of the population 25 and over with less than a 9th grade education in Caswell County and Caswell County Census Tract 9301 and 9303 is greater than 10% higher when compared to the state or county.
- The population 25 and over with a 9th to 12th grade education and no diploma in Rockingham County, Caswell County, Person County, Rockingham County Census Tract 401.01 and 401.02, Caswell County Census Tracts 9302, 9303, 9304, and 9306 is greater than 10% higher when compared to the state or county.

Table 48: Educational Attainment percentage comparisons to Rockingham County and state (Populations between 18-24 years)

EDUCATIONAL ATTAINMENT (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Less than High School Graduate	11.44	15.65*	44.28*†	17.92*†
High school graduate (includes equivalency)	34.20	39.46*	30.63	39.17*
Population age 18-24 years	999,707	6,615	271	240
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				

All **bolded*** cells indicate a percentage increase of 10% or more in the county or census tract compared to the **state**.

All cells **bolded†** indicate a percentage increase of 10% or more in the census tract when compared to the **county**.

Table 49: Educational Attainment percentage comparisons to Rockingham County and state (Populations age 25 years and over)

EDUCATIONAL ATTAINMENT (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Less than 9th grade	3.97	4.34	3.27	2.04
9th to 12th grade, no diploma	6.28	11.27*	8.84*	11.87*
High school graduate (includes equivalency)	24.96	34.61*	39.89*†	36.69*
Bachelor's degree	34.72	16.13	7.22	13.43
Population age 25 years and over	7,261,810	66,238	2,963	1,668
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Table 50: Educational Attainment percentage comparisons to Caswell County and state (Populations between 18-24 years)

EDUCATIONAL ATTAINMENT (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Less than High School Graduate	11.44	22.05*	30.09*†	54.03*†	3.13	23.26*	6.45
High school graduate (includes equivalency)	34.20	42.89*	54.17*†	40.30*	44.20*	45.18*	42.74*
Population age 18-24 years	999,707	1,914	216	335	448	301	248
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .							

Table 51: Educational Attainment percentage comparisons to Caswell County and state (Populations age 25 years and over)

EDUCATIONAL ATTAINMENTS (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Less than 9th grade	3.97	4.66*	8.70*†	3.45	6.07*†	2.50	2.05
9th to 12th grade, no diploma	6.28	11.69*	6.77	14.43*†	14.47*†	16.25*†	9.67*
High school graduate (includes equivalency)	24.96	35.77*	41.30*†	35.09*	34.28*	28.21*	32.00*
Bachelor's degree	34.72	16.05	24.94†	20.54†	13.96	7.36	19.01†
Population age 25 years and over	7,261,810	16,619	1,552	4,201	2,751	1,563	3,650

Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .

Table 52: Educational Attainment percentage comparisons to Person County and state (Populations between 18-24 years)

EDUCATIONAL ATTAINMENT (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Less than High School Graduate	11.44	20.91*	42.57*†	31.52*†
High school graduate (includes equivalency)	34.20	34.09	6.61	50.50*†
Population age 18-24 years	999,707	3,142	545	606
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Table 53: Educational Attainment percentage comparisons to Person County and state (Populations age 25 years and over)

EDUCATIONAL ATTAINMENTS (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Less than 9th grade	3.97	3.18	3.08	2.61
9th to 12th grade, no diploma	6.28	7.74*	2.12	2.72

High school graduate (includes equivalency)	24.96	34.84*	38.83*†	38.28*
Bachelor's degree	34.72	19.83	29.56†	10.98
Population age 25 years and over	7,261,810	28,000	4,290	3,608
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 10% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 10% or more in the census tract when compared to the county .				

Poverty and Low Income

- Rockingham County, Person County, Rockingham Census Tract 401.02, Caswell County Census Tracts 9302 and 9303, and Person County Census Tract 9206.01 have a proportionate population below 200% of the poverty level that is greater than 5% higher than the state or county.
- Rockingham County, Caswell County, Person County, Caswell Census Tracts 9302, 9303, and 9304, and Person County Census Tract 9206.01 have a proportionate population below the poverty level that is greater than 5% higher than the state and county.

Table 54: Poverty percentage comparisons to Rockingham County and state

POVERTY (%)				
	NORTH CAROLINA (n=2672)	ROCKINGHAM COUNTY (n=22)	CENSUS TRACT 401.01	CENSUS TRACT 401.02
Below Poverty Level	13.17	16.85*	9.57	13.26
Below 200% of the Poverty Level	31.03	38.32*	29.48	45.38*†
Total Population for whom Poverty Status is Determined	10,297,193	89,541	3,721	2,292

Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate

All **bolded*** cells indicate a percentage increase of 5% or more in the county or census tract compared to the **state**.

All cells **bolded†** indicate a percentage increase of 5% or more in the census tract when compared to the **county**.

Table 55: Poverty percentage comparisons to Caswell County and state

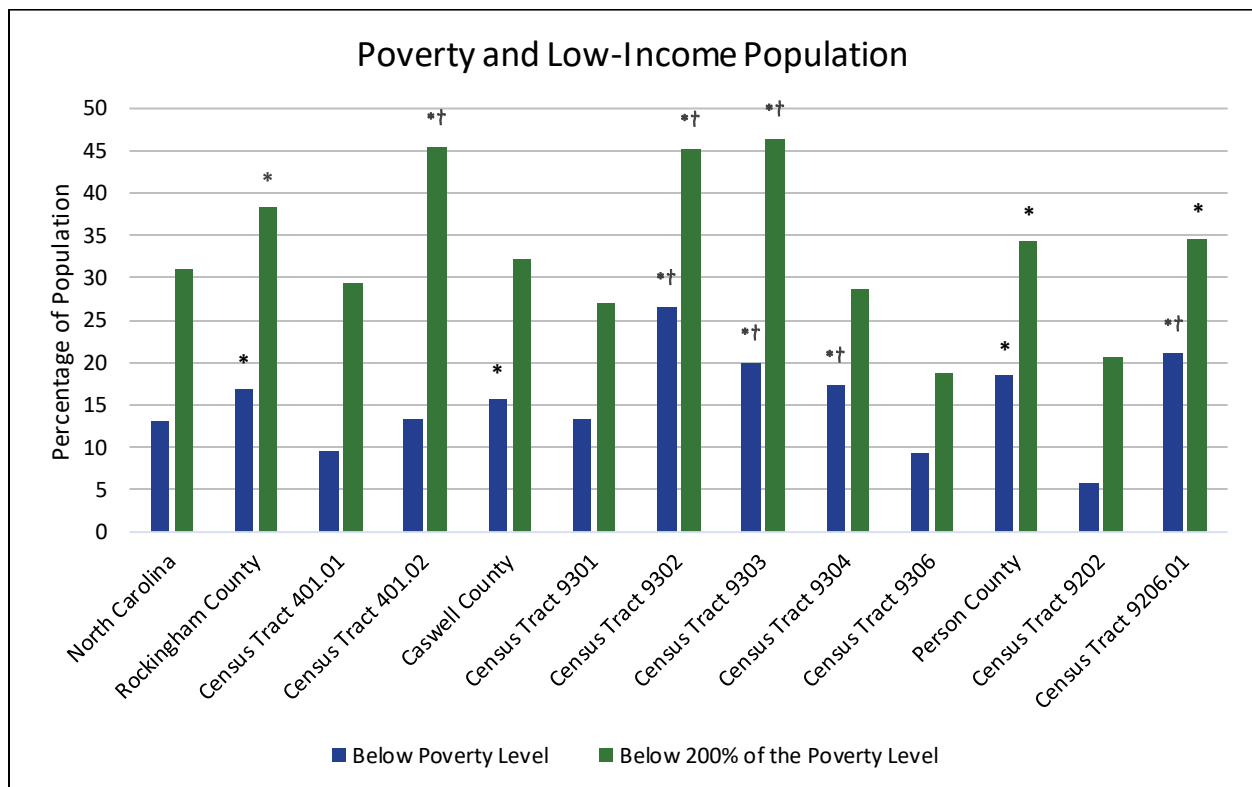
POVERTY (%)							
	NORTH CAROLINA (n=2672)	CASWELL COUNTY (n=6)	CENSUS TRACT 9301	CENSUS TRACT 9302	CENSUS TRACT 9303	CENSUS TRACT 9304	CENSUS TRACT 9306
Below Poverty Level	13.17	15.71*	13.24	26.52*†	20.00*†	17.38*†	9.33
Below 200% of the Poverty Level	31.03	32.33	27.09	45.19*†	46.41*†	28.67	18.81
Total Population for whom Poverty Status is Determined	10,297,193	21161	2,311	4,027	4,266	2,347	4,502
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate							
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .							
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .							

Table 56: Poverty percentage comparisons to Person County and state

POVERTY (%)				
	NORTH CAROLINA (n=2672)	PERSON COUNTY (n=7)	CENSUS TRACT 9202	CENSUS TRACT 9206.01
Below Poverty Level	13.17	18.45*	5.68	21.06*†
Below 200% of the Poverty Level	31.03	34.26*	20.56	34.70*

Total Population for whom Poverty Status is Determined	10,297,193	38,934	5,424	5,513
Source: US Census Bureau, 2023 American Community Survey (ACS) 5-year estimate				
All bolded* cells indicate a percentage increase of 5% or more in the county or census tract compared to the state .				
All cells bolded† indicate a percentage increase of 5% or more in the census tract when compared to the county .				

Figure 10: Poverty percentage comparisons to the county and state



6. Health & Cumulative Impacts

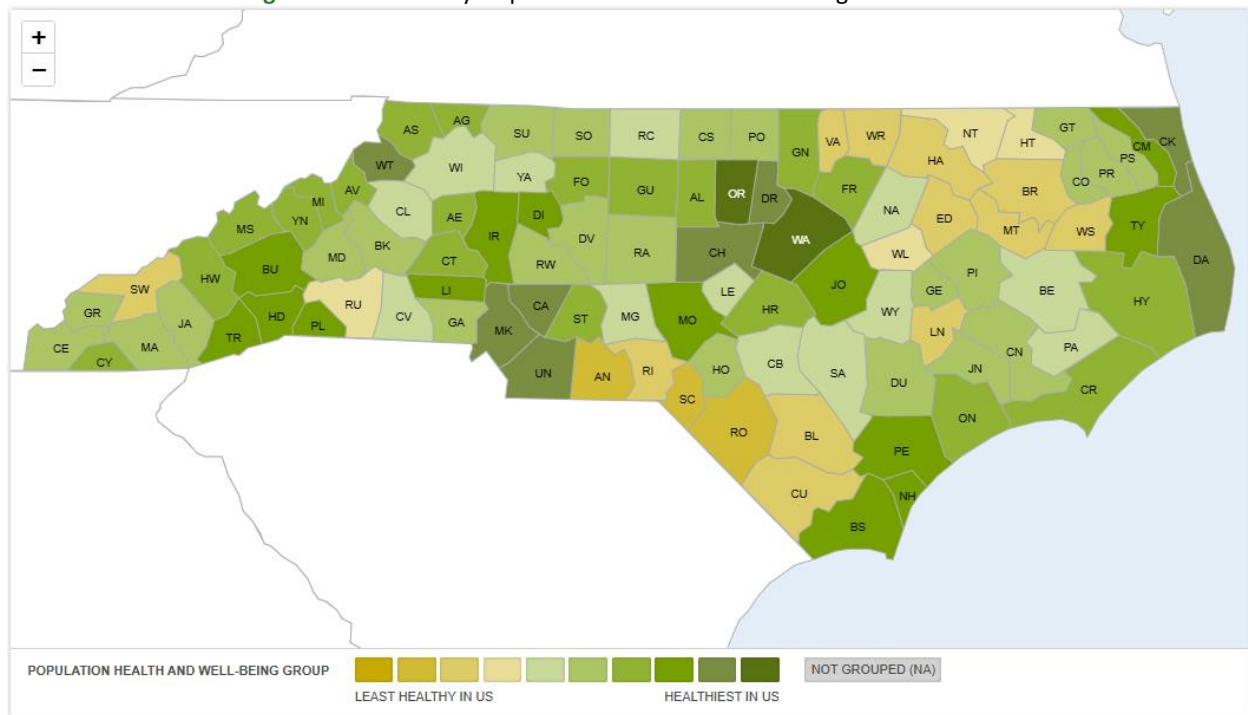
6.1 County Health Outcome Ranks

For this report, the Community Engagement Program examined how sensitive populations in the county identified in Section 4 compared to the rest of the state's population health and well-being and community conditions. The University of Wisconsin Population Health Institute, in collaboration with the Robert Wood Johnson Foundation, calculated County Health Rankings for all the states in the United

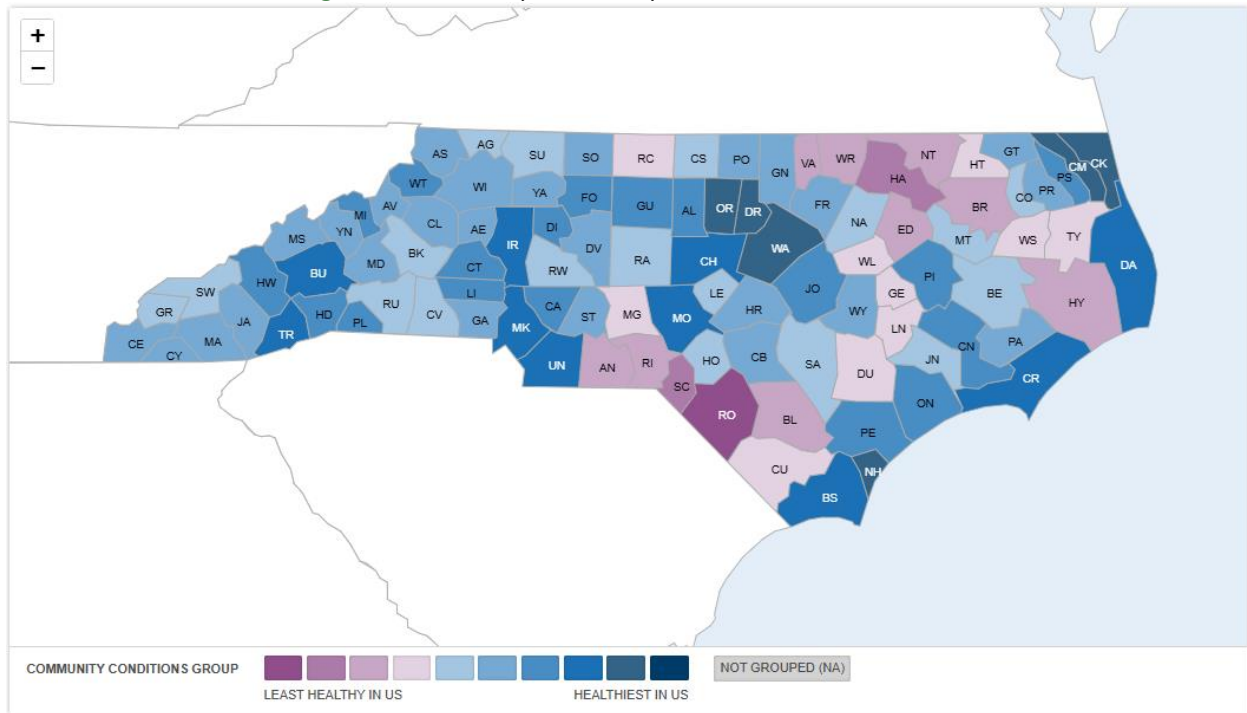
States (www.countyhealthrankings.org). This 2025 County Health Rankings National Data⁷ is based on population health and well-being (measured by indicators such as lifespan and self-reported health status) and community conditions (such as environmental, social, and economic conditions). **Figure 11** and **Figure 12** display rankings for all 100 counties in North Carolina on a scale from “least healthy” to “healthiest”.

Rankings are provided as a z-score value between -2 (healthiest) and 2 (least healthy), which are sorted into ranges. Rockingham County has a population health and well-being score of 0.51 and a community conditions score of 0.25. Caswell County has a population health and well-being score of 0.11 and a community conditions score of 0.23. Person County has a population health and well-being score of 0.18 and a community conditions score of -0.05. The population health and well-being score for these counties are not within the two least healthy ranges for the state. The community conditions score for these counties are also not within the two least healthy ranges for the state.

Figure 11: NC County Population Health and Well-being Ranks for 2025



⁷ County Health Rankings & Roadmaps, University of Wisconsin Population Health Institute. 2025 Annual Data Release. <https://www.countyhealthrankings.org/explore-health-rankings/rankings-data-documentation>.

Figure 12: NC County Community Conditions Ranks for 2025

6.2 CDC/ATSDR Indexes

Cumulative impacts are the combined, environmental burdens, pre-existing health conditions, and social factors which may harm human health.⁸ At this time, there is no formal, standardized method to assess cumulative impacts. However, cumulative impacts that may affect public health and quality of life are a frequently raised concern among communities across the nation.

[CDC/ATSDR Index](#) (Index) scores were sourced from the Centers for Disease Control and Prevention (CDC) and the Agency for Toxic Substances and Disease Registry (ATSDR; See Appendix E for more information on the CDC's Index score and model).¹³ Index scores were sourced from the CDC (See Appendix B).

The Index delivers a single score ranging from 0.0 – 1.0 with a score of 1.0 representing a community with the highest environmental burdens for each census tract. The composite score is calculated from a variety of social, environmental, and health indicators. The CDC considers census tracts with an Index score between 0.75 – 1.0 to be highly burdened areas. The CDC estimates that 13.7% of North Carolina residents live in highly burdened areas.

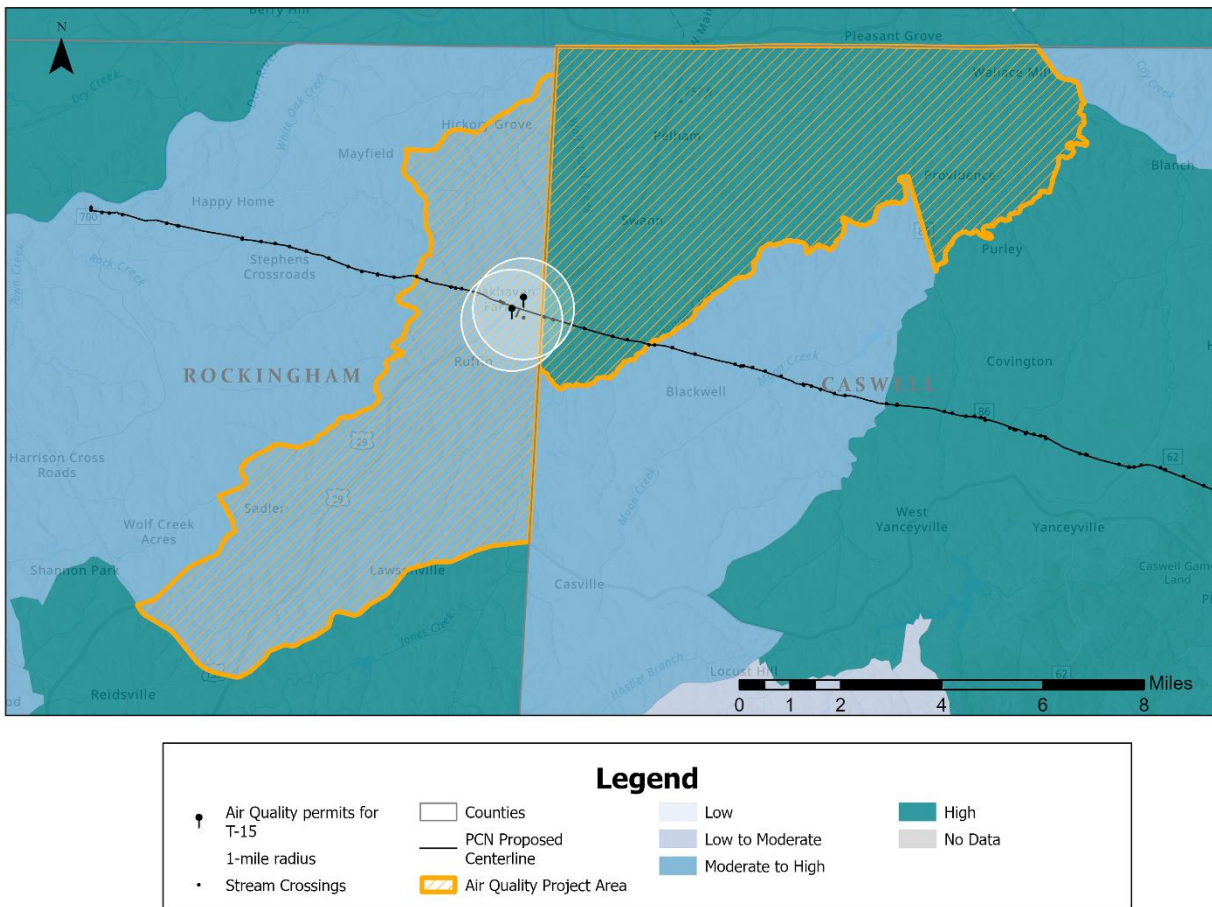
⁸ *Federal Health Agencies Unveil National Tool to Measure Health Impacts of Environmental Burdens.* (2022). Centers for Disease Control and Prevention (CDC). <https://www.cdc.gov/media/releases/2022/p0810-environmental-burdens.html>.

Ruffin Compressor Station

According to the Index Explorer, Rockingham County Census Tract 401.02 – where Ruffin Compressor Station is located – has an Index score of 0.59 (**Figure 13, Table 57**). This means 59% of census tracts in the United States have less environmental burdens than Rockingham County Census Tract 401.02 and that 41% of census tracts in the United States have higher environmental burdens. According to CDC's definition, Rockingham County Census Tract 401.02 is not considered a highly burdened area.

Census tracts within a one-mile radius of the Ruffin Compressor Station facility have scores ranging from 0.49 to 0.86 (**Figure 13, Table 57**). According to the CDC's definition, 1 of 3 census tracts within the one-mile radius of the facility are considered highly burdened. With an Index score of 0.86, Caswell County Census Tract 9303 is considered highly burdened, with 86% of census tracts in the United States having less environmental burdens than Census Tract 9303 and that 14% of census tracts in the United States have higher environmental burdens.

Figure 13: Census tracts within the one-mile radius of Ruffin Compressor Station and corresponding CDC Index scores



Esri, NASA, NGA, USGS, State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS

Table 57: Census tracts within the one-mile radius of Ruffin Compressor Station and corresponding Index scores

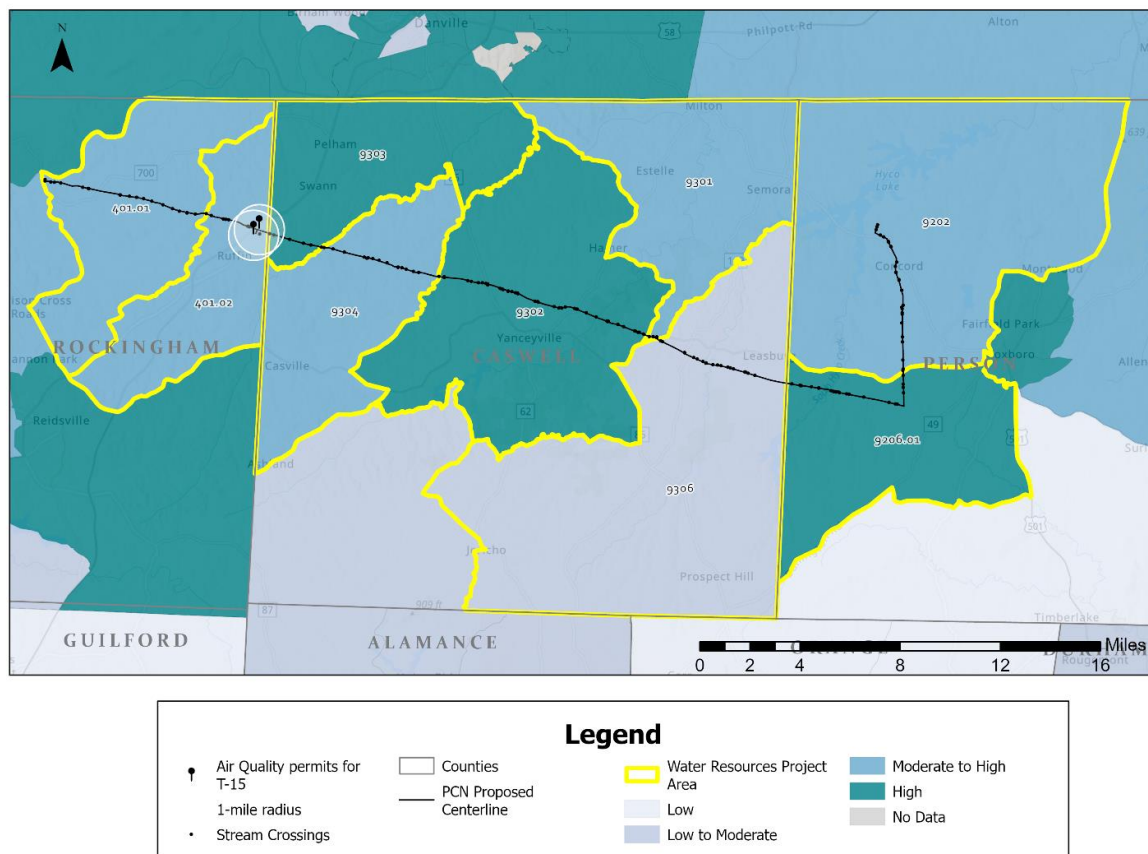
County	Census Tract	Index Score (between 0-1)	National Percentile	Overall Index Rank
Rockingham	401.02	0.59	59%	Moderate-High
Caswell	9303	*0.86	*86%	*High
	9304	0.49	49%	Low-Moderate

A ***bold** value indicates a **high** overall Index Rank (within the nation's top 25th percentile)

T-15 Pipeline Route

The T-15 pipeline route crosses through 9 census tracts in Rockingham (401.01, 401.02), Caswell (9301, 9302, 9303, 9304, 9306), and Person County (9202, 9206.01). Index scores for census tracts along the route range from 0.15 to 0.86 and are shown in **Figure 14** and **Table 58**.

Among these 9 census tracts, only Caswell County Census Tract 9303 is considered highly burdened according to the CDC definition.

Figure 14: Census tracts that intersect with the T-15 pipeline route and corresponding CDC Index scores

Esri, NASA, NGA, USGS, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS

Table 58: Census tracts that intersect with the T-15 pipeline route and corresponding Index scores

County	Census Tract	Index Score (between 0-1)	National Percentile	Overall Index Rank
Rockingham	401.01	0.58	58%	Moderate-High
	401.02	0.59	59%	Moderate-High
Caswell	9301	0.55	55%	Moderate-High
	9302	0.65	65%	Moderate-High
	9303	*0.86	*86%	*High
	9304	0.49	49%	Low-Moderate
	9306	0.15	15%	Low
Person	9202	0.48	48%	Low-Moderate
	9206.01	0.52	52%	Moderate-High

A ***bold** value indicates a **high** overall Index Rank (within the nation's top 25th percentile)

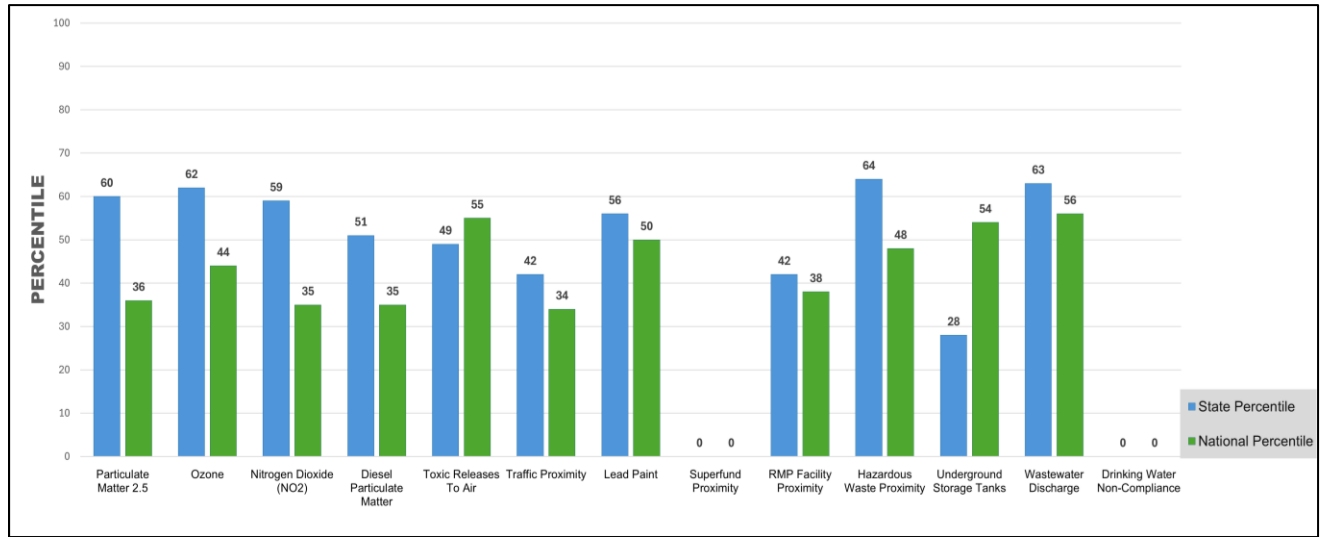
In Rockingham County, 8 out of 22 census tracts are considered highly burdened, which account for 34.6% of residents in the county. In Caswell County, 1 out of 6 census tracts are considered highly burdened, which account for 18.3% of residents in the county. In Person County, 1 out of 7 census tracts are considered highly burdened, which account for 15.9% of residents in the county (see Appendix E).

6.3 US EPA's Indexes

The [US EPA's Indexes](#) (EPA Indexes) analyzes the relative potential vulnerability of an area as compared to the state, as well as the U.S., in the form of a percentile from 0 to 100. The higher the Index, the higher the percentile, and the more vulnerable an area. The Indexes combine demographic data to the listed environmental indicators:

- particulate matter,
- ozone,
- nitrogen dioxide (NO₂),
- diesel particulate matter,
- toxic releases to air, traffic proximity,
- lead paint,
- superfund proximity,
- Risk Management Program (RMP) facility proximity,
- hazardous waste proximity,
- underground storage tanks,
- wastewater discharge, and
- drinking water non-compliance.

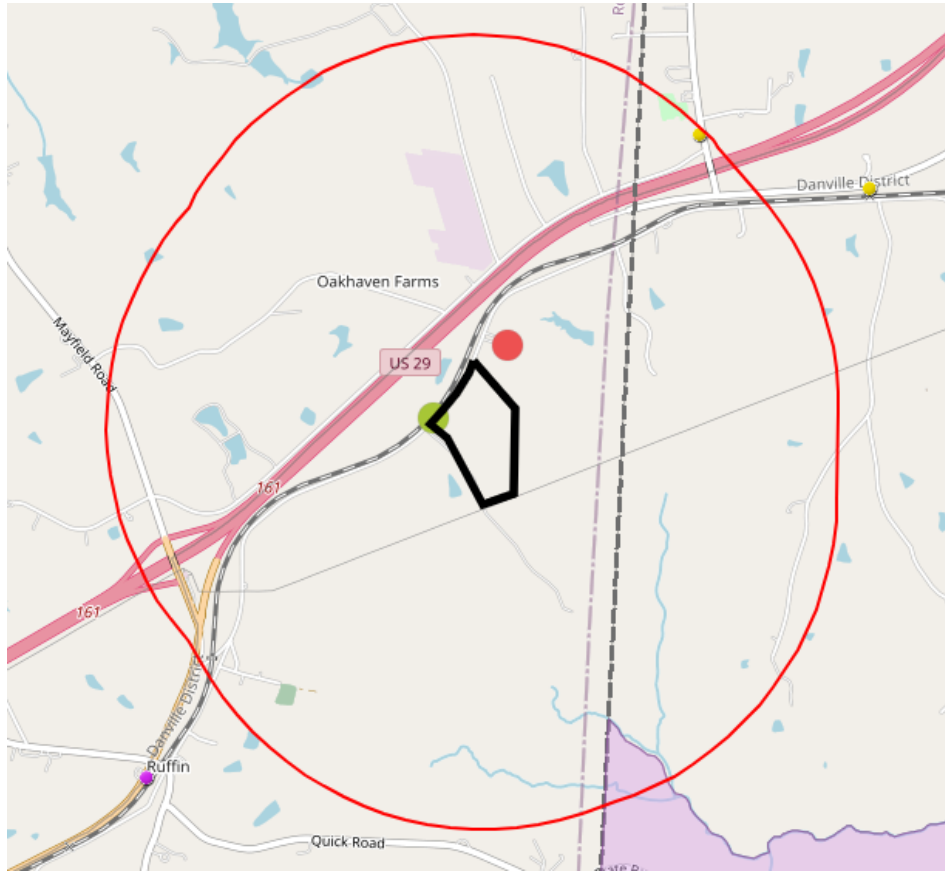
Figure 15 displays the EPA Indexes as calculated with US EPA data within the one-mile radius of the Ruffin Compressor Station facility. The area within one mile of the facility is not in the top 25th percentile in any state or national EPA Indexes.

Figure 15: EPA Indexes for a one-mile radius around Ruffin Compressor Station II

6.4 Local Industrial Sites

According to the NCDEQ Community Mapping System, there are a total of 2 permits and 1 incidents within the one-mile radius of Ruffin Compressor Station II as of June 11, 2025 (**Figure 16; Table 59**).

There are 2 air quality permits associated with the project within the one-mile radius.

Figure 16: NCDEQ Community Mapping Tool Snapshot of the One-Mile Project Area Radius**Table 59:** List of Permits, Incidents, and Sites within the one-Mile Project Area Radius

List of Permits, Incidents, and Sites		
Type	Quantity	Details
Permits	2	2 – Air Quality Permit Sites
Incidents	1	1 – Underground Storage Tank Incident

7. Local Sensitive Receptors

The U.S. Environmental Protection Agency suggests that sensitive receptors include, but are not limited to, hospitals, schools, daycare facilities, elderly housing, and convalescent facilities. These are areas where the occupants are more susceptible to the adverse effects of exposure to toxic chemicals, pesticides, and other pollutants. Extra care must be taken when dealing with contaminants and pollutants in close proximity to areas recognized as sensitive receptors. For instance, children and the elderly may have a higher risk of developing asthma from elevated levels of certain air pollutants than healthy individuals aged between 18 and 64.

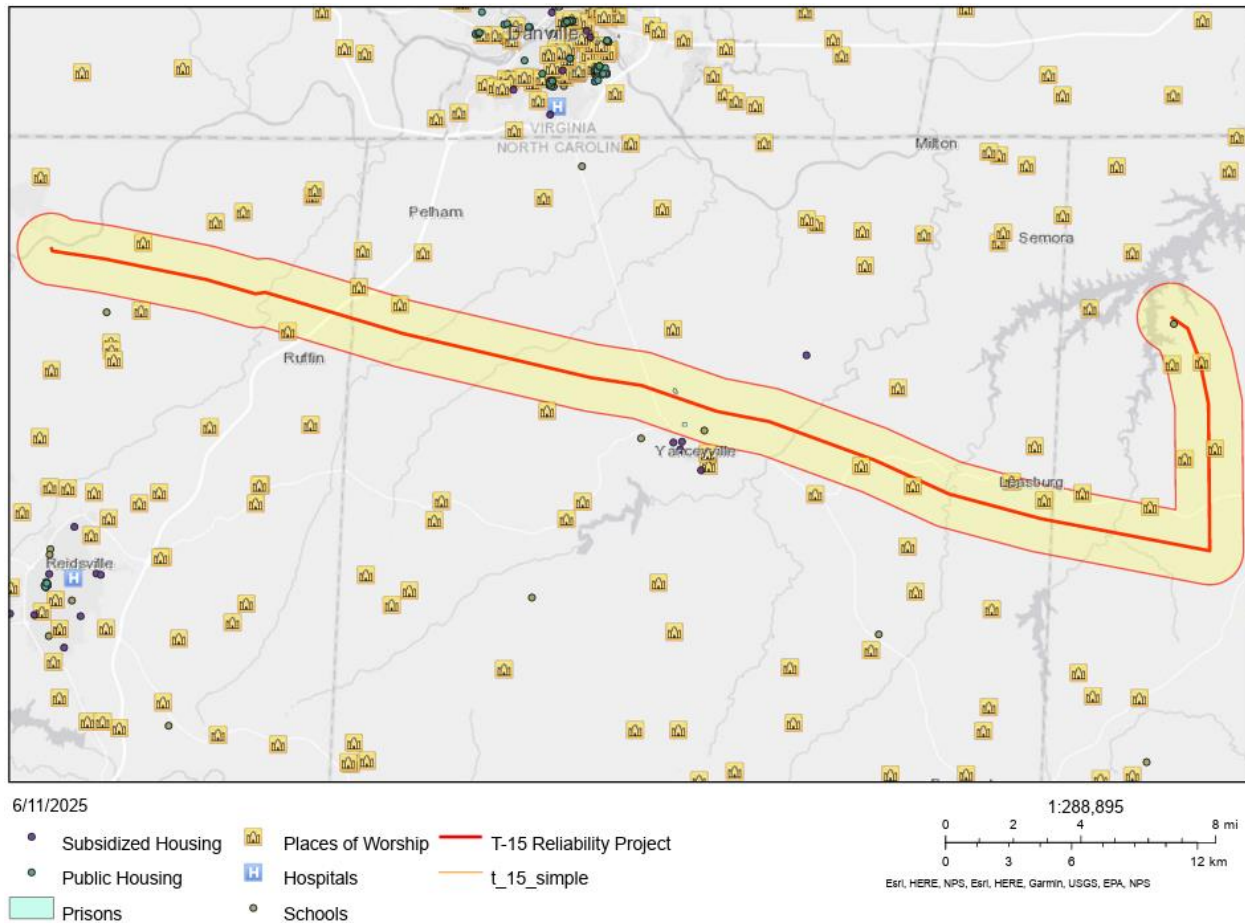
Within and near the one-mile radius surrounding the T-15 Reliability Project pipeline route, the following US EPA-identified and NCDEQ-identified sensitive receptors are listed below (**Table 60; Figure 17**):

Table 60: List of potential sensitive receptors within the one-mile of the T-15 Reliability Project pipeline route

Sensitive Receptor Type	Name
SCHOOLS & DAYCARES	Noah's Educational Ark
	Rainbow Educational Childcare Center
	Noah's Educational Ark
	Happy Home Elementary School
	Oakwood Elementary School
	Woodland Elementary School
PLACES OF WORSHIP	Happy Home Church
	Mt Hermon Baptist Church
	Bethel United Methodist
	Red Hill Baptist Church
	Zions Gate Apostolic Church
	Caswell Bible Fellowship
	Caswell Mennonite Church
	Kingdom Hall of Jehovah's Witnesses
	Beulah Baptist Yanceyville, NC
	Union United Methodist Church
	Olive Hill Baptist Church
	Leasburg United Methodist Church
	Ebenezer Primitive Baptist Church
	Lea's Chapel United Methodist Church
	Holy Tabernacle
	Mill Hill Missionary Baptist Church
	Lamberth Memorial Baptist Church
	Concord Church of Roxboro
	Hyco Zion Baptist Church
	Lively Stones Baptist Church
CORRECTIONAL FACILITY	Caswell Correctional Center

Additional sensitive receptors may be identified during the remainder of the permit application process.

Figure 17: US EPA Snapshot of potential sensitive receptors within the one-mile of the T-15 Reliability Project pipeline route



8. Conclusion

If an affected community has a large percentage of LEP individuals (typically greater than 5%), NCDEQ will implement appropriate LEP measures. These measures may include having a bilingual NCDEQ staff member or interpreter present at public hearings or information sessions, disseminating NCDEQ information sheets or public notices in multiple languages, distributing media notices in different languages, or communicating with community organizations and leaders to determine other appropriate measures to reach LEP individuals.

Key Findings

Based on this report's analysis and using North Carolina Department of Environmental Quality (NCDEQ) Potentially Underserved Block Groups (on the basis of Race/Ethnicity and Poverty) and standard guidelines established by the US EPA and in National Environmental Policy Act (NEPA) documentation, the potential concerns for particular populations within an area of interest of T-15 Reliability Project have been identified as follows:

- **Race and Ethnicity:**
 - The following race/ethnic population categories:
 - Black or African American
 - Hispanic or Latino
 - American Indian or Alaska Native
 - Asian
 - Native Hawaiian or Other Pacific Islander
 - Some other race
 - Two or more races
- **Tribal Communities:**
 - The Occaneechi Band of the Saponi Nation
 - The Sappony Tribe
 - The Guilford Native American Association
- **Age and Sex:**
 - Populations of individuals 65 years or older in:
 - Rockingham County Census Tracts 401.01 and 401.02,
 - Caswell County Census Tracts 9301, 9302, 9304, and 9306,
 - Person County Census Tracts 9202 and 9206.01.
 - Populations of individuals 5 years or younger in:
 - Caswell County Census Tracts 9301, 9303, 9304,
 - Person County Census Tract 9206.01.
- **Limited English Proficiency:** Spanish-speaking households with limited English proficiency in Caswell County Census Tract 9303.
- **Disability:** Populations living with a disability in:
 - Rockingham Census Tract 401.01 and 401.02,
 - Caswell County Census Tract 9301, 9302, 9303, 9304, and 9306
 - Person County Census Tracts 9202 and 9206.01.
- **Education:** Populations of individuals at least 18 years and older whose highest educational attainment is less than a high school education in:
 - Rockingham Census Tract 401.01 and 401.02,
 - Caswell County Census Tract 9301, 9302, 9303, 9304, and 9306
 - Person County Census Tracts 9202 and 9206.01.
- **Poverty:** Populations experiencing poverty below 200% of the poverty level or below the poverty level in:
 - Rockingham Census Tract 401.02,
 - Caswell County Census Tract 9302, 9303, and 9304,
 - Person County Census Tracts 9206.01.
- **Cumulative Impacts:** Caswell County Census Tract 9303 has a “high” potential for cumulative impacts.

Recommendations

Based on the sociodemographic indicator analysis, the Community Engagement Program recommends the following outreach and engagement activities during the public participation periods for the T-15 Reliability Project permit applications:

- Public notices and one-page fact sheets with public comment and public hearing information in English and Spanish.
- Consultation with community leaders about other outreach recommendations including known local American Indian-serving or related organizations and leaders.
- Mailed or emailed public notices and one-page fact sheets in English and Spanish to local sensitive receptors and representatives of Rockingham, Caswell and Person County and the municipalities of Eden, Yanceyville, and Roxboro.
- Evaluate options to distribute one-page fact sheets in English and Spanish in high-traffic community areas.
- Arrange English and Spanish voicemail lines to receive public comments.

Appendix

Appendix A: U.S. Census Data Sources

All data for this report accessed from data.census.gov and collected at a census tract level for all tracts in North Carolina. Data is from 2023 American Community Survey (ACS) 5-year estimates.

Dataset ID	Name
B03002	“Hispanic or Latino Origin by Race”
S0101	“Age and Sex”
S1810	“Disability Characteristics”
C16001	“Language Spoken at Home for the Population 5 Years and Older”
S1501	“Educational Attainment”
S1701	“Poverty Status in the Last 12 Months”

Appendix B: Additional Data Sources

DATA SOURCES			
Organization	Source	Date Accessed	Year Published
NC Department of Commerce	2025 County Distress Rankings	5/29/25	2025
University of Wisconsin Population Health Institute	2025 County Health Rankings National Data	5/30/25	2025
ATSDR/CDC	ATSDR Index	6/2/2025	2025

Appendix C: Sociodemographic Indicators and US EPA Report

The tables below display estimates and margins of error as available from the U.S. Census Bureau 2023 ACS 5-year estimates and calculations performed for each sociodemographic indicator. Calculations are displayed as averages and upper and lower confidence intervals.

Race & Ethnicity

RACE & ETHNICITY					
	NORTH CAROLINA (n=2672)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
White	6,419,285	3,661	2402.43	2348.06	2456.80
Black or African American	2,147,308	6,402	803.63	770.70	836.56
Hispanic or Latino	1,158,750	*****	433.66	415.32	452.01
American Indian and Alaska Native	89,481	1,201	33.49	25.60	41.38
Asian	330,720	2,729	123.77	112.40	135.15

Native Hawaiian and other Pacific Islander	5,548	614	2.08	1.62	2.53
Some Other Race	46,117	3,192	17.26	15.63	18.89
Two or More Races	387,131	7,694	144.88	139.59	150.18
Total Population	10,584,340				

RACE & ETHNICITY					
	ROCKINGHAM COUNTY (n=22)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
White	64,579	376	2935.41	2397.96	3472.85
Black or African American	15,986	502	726.64	509.35	943.92
Hispanic or Latino	6,308	0	286.73	177.99	395.46
American Indian and Alaska Native	145	80	6.59	1.68	11.50
Asian	177	130	8.05	1.39	14.70
Native Hawaiian and other Pacific Islander	138	118	6.27	-1.25	13.79
Some Other Race	488	359	22.18	-6.94	51.30
Two or More Races	3,764	549	171.09	89.66	252.53
Total Population	91,585				

RACE & ETHNICITY				
	CENSUS TRACT 401.01		CENSUS TRACT 401.02	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
White	2,751	393	1,648	296
Black or African American	539	337	328	199
Hispanic or Latino	287	183	149	169
American Indian and Alaska Native	0	14	0	14
Asian	29	49	0	14
Native Hawaiian and other Pacific Islander	0	14	0	14

Some Other Race	11	19	0	14
Two or More Races	110	106	191	193
Total Population	3,727	535	2,316	349

RACE & ETHNICITY					
	CASWELL COUNTY (n=6)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
White	13,543	203	2257.17	1537.68	2976.66
Black or African American	7,138	190	1189.67	637.10	1742.23
Hispanic or Latino	1,102	0	183.67	-26.31	393.64
American Indian and Alaska Native	19	18	3.17	-0.77	7.10
Asian	97	88	16.17	-3.36	35.70
Native Hawaiian and other Pacific Islander	0	25	0.00	0.00	0.00
Some Other Race	11	20	1.83	-1.76	5.43
Two or More Races	779	281	129.83	39.71	219.96
Total Population	22,689				

RACE & ETHNICITY										
	CENSUS TRACT 9301		CENSUS TRACT 9302		CENSUS TRACT 9303		CENSUS TRACT 9304		CENSUS TRACT 9306	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)
White	1,138	223	2,373	324	2,913	433	1,363	298	3,501	343
Black or African American	1,009	342	2,586	398	779	279	871	341	864	284
Hispanic or Latino	140	209	90	61	710	191	0	14	51	54
American Indian and Alaska Native	0	14	10	14	0	14	0	14	0	14

Asian	0	14	17	35	17	28	0	14	0	14
Native Hawaiian and other Pacific Islander	0	14	0	19	0	14	0	14	0	14
Some Other Race	0	14	11	20	0	14	0	14	0	14
Two or More Races	24	36	96	71	98	60	120	76	91	102
Total Population	2,311	439	5,183	423	4,517	525	2,354	339	4,507	409

RACE & ETHNICITY					
	PERSON COUNTY (n=7)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
White	25,433	107	3633.29	2786.85	4479.72
Black or African American	10,001	367	1428.71	874.39	1983.04
Hispanic or Latino	2,303	0	329.00	130.93	527.07
American Indian and Alaska Native	49	33	7.00	-5.77	19.77
Asian	168	65	24.00	-3.16	51.16
Native Hawaiian and other Pacific Islander	2	4	0.29	-0.27	0.85
Some Other Race	22	35	3.14	-3.02	9.30
Two or More Races	1,297	376	185.29	112.79	257.79
Total Population	39,275				

RACE & ETHNICITY				
	CENSUS TRACT 9202		CENSUS TRACT 9206.01	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
White	4,363	538	3,570	549
Black or African American	989	264	1,455	427

Hispanic or Latino	34	53	253	225
American Indian and Alaska Native	0	19	0	19
Asian	0	19	25	44
Native Hawaiian and other Pacific Islander	0	19	0	19
Some Other Race	0	19	0	19
Two or More Races	133	116	212	123
Total Population	5,519	555	5,515	734

Age & Sex

AGE					
	NORTH CAROLINA (n=2672)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
≤5 Years	598,313	714	223.92	217.62	230.21
≥65 Years	1,787,027	840	654.32	654.32	683.27
SEX					
Male	5,177,887	1,414	1937.83	1903.20	1972.46
Female	5,406,453	1,484	2023.37	1987.97	2058.78

AGE					
	ROCKINGHAM COUNTY (n=22)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
≤5 Years	4,582	32	208.27	151.88	264.66
≥65 Years	19,008	92	864.00	725.84	1002.16
SEX					
Male	44,782	185	2035.55	1688.76	2382.33
Female	46,803	185	2127.41	1785.69	2469.13

AGE				
	CENSUS TRACT 401.01		CENSUS TRACT 401.02	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
≤5 Years	147	94	72	63
≥65 Years	788	147	433	83
SEX				
Male	1,931	390	1,110	206
Female	1,796	231	1,206	235

AGE					
	CASWELL COUNTY (n=6)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
≤5 Years	1,054	88	175.67	97.52	253.81
≥65 Years	5,096	42	849.33	633.96	1064.70
SEX					
Male	11,797	165	1966.17	1367.65	2564.68
Female	10,892	165	1815.33	1438.97	2191.70

AGE										
	CENSUS TRACT 9301		CENSUS TRACT 9302		CENSUS TRACT 9303		CENSUS TRACT 9304		CENSUS TRACT 9306	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)
≤5 Years	129	59	254	94	332	133	150	80	118	72
≥65 Years	687	182	1,314	215	776	166	571	114	1,008	245
SEX										
Male	1,038	241	2,825	243	2,377	289	1,045	196	2,337	255
Female	1,273	250	2,358	283	2,140	311	1,309	335	2,170	325

AGE					
	PERSON COUNTY (n=7)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
≤5 Years	2,070	80	295.71	240.44	350.99
≥65 Years	8,250	107	1178.57	898.42	1458.72
SEX					
Male	18,940	259	2705.71	2290.96	3120.47
Female	20,335	259	2905.00	2476.34	3333.66

AGE				
	CENSUS TRACT 9202		CENSUS TRACT 9206.01	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
≤5 Years	201	124	377	212
≥65 Years	1,780	293	1,169	191

SEX				
Male	2,717	315	2,551	359
Female	2,802	454	2,964	568

Disability

DISABILITY					
	NORTH CAROLINA (n=2672)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Population with a Disability	1,386,506	10,541.00	518.90	508.16	529.65
Type of Difficulty					
Hearing	383,698	5,572.00	143.60	139.79	147.41
Vision	261,386	5,645.00	97.82	94.63	101.01
Cognitive	535,055	7,066.00	200.25	195.06	205.43
Ambulatory	696,828	6,705.00	260.79	254.52	267.06
Self-care	252,232	4,769.00	94.40	91.38	97.41
Independent Living	466,517	5,807.00	174.59	170.02	179.17
Total civilian noninstitutionalized population	10,366,704	2,441.00	3,879.75	3,812.38	3,947.13

DISABILITY					
	ROCKINGHAM COUNTY (n=22)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Population with a Disability	16,078	970.00	730.82	607.30	854.34
Type of Difficulty					
Hearing	4,697	555.00	213.50	174.71	252.29
Vision	3,052	474.00	138.73	105.44	172.01
Cognitive	6,625	736.00	301.14	232.36	369.91
Ambulatory	8,649	780.00	393.14	324.27	462.00
Self-care	3,280	444.00	149.09	111.91	186.27
Independent Living	6,198	614.00	281.73	224.67	338.79
Total civilian noninstitutionalized population	90,567	58.00	4,116.68	3,446.32	4,787.05

DISABILITY				
	CENSUS TRACT 401.01		CENSUS TRACT 401.02	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)

Population with a Disability	575	174.00	495	184.00
Type of Difficulty				
Hearing	255	113.00	124	67.00
Vision	57	60.00	97	64.00
Cognitive	116	64.00	332	157.00
Ambulatory	279	120.00	296	166.00
Self-care	118	62.00	162	136.00
Independent Living	126	67.00	205	138.00
Total civilian noninstitutionalized population	3,727	535.00	2,316	349.00

DISABILITY					
	CASWELL COUNTY (n=6)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Population with a Disability	4,304	556.00	717.33	519.94	914.72
Type of Difficulty					
Hearing	1,122	210.00	187.00	136.85	237.15
Vision	855	242.00	142.50	80.24	204.76
Cognitive	1,682	400.00	280.33	161.26	399.41
Ambulatory	2,054	279.00	342.33	205.64	479.02
Self-care	685	198.00	114.17	63.01	165.32
Independent Living	1,395	256.00	232.50	156.80	308.20
Total civilian noninstitutionalized population	21,477	91.00	3,579.50	2,776.72	4,382.28

DISABILITY										
	CENSUS TRACT 9301		CENSUS TRACT 9302		CENSUS TRACT 9303		CENSUS TRACT 9304		CENSUS TRACT 9306	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Population with a Disability	452	176	1,038	212	893	299	423	110	825	290
Type of Difficulty										

Hearing	90	47	225	105	249	139	0	0.00	233	0.00
Vision	53	43	248	136	185	103.0 0	>=20% ?	0.00	233	0.00
Cognitive	122	90	245	114	494	216.0 0	Yes	0.00	233	0.00
Ambulatory	198	108	640	152	397	147.0 0	No	0.00	233	0.00
Self-care	92	54	162	72	102	75.00	0	0.00	233	0.00
Independent Living	166	103	380	116	229	102.0 0	0	0.00	233	0.00
Total civilian non-institutionalized population	2,311	439	4,030	425	4,517	525	2,347	339	4,455	393

DISABILITY					
	PERSON COUNTY (n=7)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Population with a Disability	7,353	911.00	1,050.43	809.37	1,291.48
Type of Difficulty					
Hearing	1,994	393.00	284.86	215.25	354.46
Vision	1,204	360.00	172.00	105.44	238.56
Cognitive	2,904	600.00	414.86	320.53	509.19
Ambulatory	3,770	643.00	538.57	356.11	721.04
Self-care	1,323	291.00	189.00	121.92	256.08
Independent Living	2,881	483.00	411.57	308.05	515.09
Total civilian noninstitutionalized population	38,958	24.00	5,565.43	4,764.12	6,366.74

DISABILITY				
	CENSUS TRACT 9202		CENSUS TRACT 9206.01	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Population with a Disability	971	284.00	970	355.00
Type of Difficulty				
Hearing	422	193.00	159	98.00

Vision	69	71.00	257	189.00
Cognitive	349	153.00	405	235.00
Ambulatory	398	161.00	464	251.00
Self-care	107	83.00	150	121.00
Independent Living	255	130.00	305	173.00
Total civilian noninstitutionalized population	5,458	556.00	5,513	734.00

Limited English Proficiency

LIMITED ENGLISH PROFICIENCY					
	NORTH CAROLINA (n=2672)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Speak only English	8,685,846	10,932	3250.69	3195.41	3305.97
Spanish	346,393	6,442	129.64	121.65	137.62
French, Haitian, or Cajun	9,907	1,591	3.71	2.90	4.52
German or other West Germanic languages	3,643	714	1.36	0.96	1.77
Russian, Polish, or other Slavic languages	10,007	1,187	3.75	3.09	4.40
Chinese (including Mandarin, Cantonese)	16,417	1,301	6.14	5.20	7.09
Vietnamese	15,622	1,792	5.85	4.56	7.13
Korean	7,532	741	2.82	2.26	3.38
Tagalog (including Filipino)	4,281	646	1.60	1.27	1.93
Other Asian and Pacific Island Languages	26,602	1,464	9.96	8.73	11.18
Other Indo-European Languages	26,989	2,016	10.10	8.77	11.43
Arabic	10,907	1,339	4.08	3.31	4.86
Total Population 5 Years and over	9,986,027	714	3737.29	3673.60	3800.97

LIMITED ENGLISH PROFICIENCY					
	ROCKINGHAM COUNTY (n=22)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Speak only English	82,018	595	3728.09	3130.73	4325.46
Spanish	1,953	347	88.77	54.40	123.15
French, Haitian, or Cajun	50	63	2.27	-0.93	5.48
German or other West Germanic languages	5	20	0.23	-0.22	0.67
Russian, Polish, or other Slavic languages	19	35	0.86	-0.83	2.56
Chinese (including Mandarin, Cantonese)	0	32	0.00	0.00	0.00
Vietnamese	32	32	1.45	0.00	0.00
Korean	0	32	0.00	0.00	0.00
Tagalog (including Filipino)	5	9	0.23	-0.22	0.67
Other Asian and Pacific Island Languages	0	32	0.00	0.00	0.00
Other Indo-European Languages	23	26	1.05	-0.60	2.69
Arabic	28	42	1.27	-1.22	3.77
Total Population 5 Years and over	87,003	32	3954.68	3310.31	4599.06

LIMITED ENGLISH PROFICIENCY				
	CENSUS TRACT 401.01		CENSUS TRACT 401.02	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Speak only English	3,260	400	2,150	324
Spanish	21	23	44	66
French, Haitian, or Cajun	0	14	0	14
German or other West Germanic languages	0	14	0	14

Russian, Polish, or other Slavic languages	0	14	0	14
Chinese (including Mandarin, Cantonese)	0	14	0	14
Vietnamese	0	14	0	14
Korean	0	14	0	14
Tagalog (including Filipino)	0	14	0	14
Other Asian and Pacific Island Languages	0	14	0	14
Other Indo-European Languages	0	14	0	14
Arabic	0	14	0	14
Total Population 5 Years and over	3,580	512	2,244	327

LIMITED ENGLISH PROFICIENCY					
	CASWELL COUNTY (n=6)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Speak only English	20,420	248	3403.33	2491.79	4314.88
Spanish	477	167	79.50	-38.69	197.69
French, Haitian, or Cajun	37	49	6.17	-5.92	18.25
German or other West Germanic languages	0	25	0.00	0.00	0.00
Russian, Polish, or other Slavic languages	50	71	8.33	-8.00	24.67
Chinese (including Mandarin, Cantonese)	0	25	0.00	0.00	0.00
Vietnamese	25	25	4.17	0.00	0.00
Korean	0	25	0.00	0.00	0.00
Tagalog (including Filipino)	17	28	2.83	-2.72	8.39
Other Asian and Pacific Island Languages	0	25	0.00	0.00	0.00
Other Indo-European Languages	0	25	0.00	0.00	0.00

Arabic	0	25	0.00	0.00	0.00
Total Population 5 Years and over	21,635	88	3605.83	2678.79	4532.88

LIMITED ENGLISH PROFICIENCY										
	CENSUS TRACT 9301		CENSUS TRACT 9302		CENSUS TRACT 9303		CENSUS TRACT 9304		CENSUS TRACT 9306	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Speak only English	2,063	387	4,761	403	3,568	470	2,055	278	4,389	407
Spanish	43	67	30	30	379	172	2,055	14	0	14
French, Haitian, or Cajun	0	14	0	19	37	49	2,055	14	0	14
German or other West Germanic languages	0	14	0	19	0	14	2,055	14	0	14
Russian, Polish, or other Slavic languages	0	14	50	71	0	14	2,055	14	0	14
Chinese (including Mandarin, Cantonese)	0	14	0	19	0	14	2,055	14	0	14
Vietnamese	0	14	0	19	0	14	2,055	14	0	14
Korean	0	14	0	19	0	14	2,055	14	0	14
Tagalog (including Filipino)	0	14	0	19	17	28	2,055	14	0	14
Other Asian and Pacific Island Languages	0	14	0	19	0	14	2,055	14	0	14
Other Indo-European Languages	0	14	0	19	0	14	2,055	14	0	14
Arabic	0	14	0	19	0	14	2,055	14	0	14
Total Population	2,182	425	4,929	403	4,185	485	2,204	354	4,389	407

5 Years and over										
------------------	--	--	--	--	--	--	--	--	--	--

LIMITED ENGLISH PROFICIENCY					
	PERSON COUNTY (n=7)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Speak only English	35,183	328	5026.14	4233.00	5819.29
Spanish	594	215	84.86	26.17	143.55
French, Haitian, or Cajun	3	6	0.43	-0.41	1.27
German or other West Germanic languages	0	29	0.00	0.00	0.00
Russian, Polish, or other Slavic languages	0	29	0.00	0.00	0.00
Chinese (including Mandarin, Cantonese)	0	29	0.00	0.00	0.00
Vietnamese	29	29	4.14	0.00	0.00
Korean	0	29	0.00	0.00	0.00
Tagalog (including Filipino)	14	26	2.00	-1.92	5.92
Other Asian and Pacific Island Languages	101	107	14.43	-13.85	42.71
Other Indo-European Languages	58	89	8.29	-7.95	24.53
Arabic	0	29	0.00	0.00	0.00
Total Population 5 Years and over	37,205	80	5315.00	4483.54	6146.46

LIMITED ENGLISH PROFICIENCY				
	CENSUS TRACT 9202		CENSUS TRACT 9206.01	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Speak only English	5,247	531	5,049	688
Spanish	30	52	64	86
French, Haitian, or Cajun	0	19	0	19

German or other West Germanic languages	0	19	0	19
Russian, Polish, or other Slavic languages	0	19	0	19
Chinese (including Mandarin, Cantonese)	0	19	0	19
Vietnamese	0	19	0	19
Korean	0	19	0	19
Tagalog (including Filipino)	0	19	0	19
Other Asian and Pacific Island Languages	0	19	0	19
Other Indo-European Languages	0	19	0	19
Arabic	0	19	0	19
Total Population 5 Years and over	5,318	529	5,138	690

Educational Attainment

EDUCATIONAL ATTAINMENT					
	NORTH CAROLINA (n=2672)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Less than High School Graduate	114,342	2,700	42.79	40.86	44.73
High school graduate (includes equivalency)	341,857	4,141	127.94	120.27	135.61
Population age 18-24 years	999,707	1,313	374.14	355.30	392.98
Less than 9th grade	288,456	4,800	107.96	103.40	112.51
9th to 12th grade, no diploma	456,125	7,346	170.71	165.41	176.00
High school graduate (includes equivalency)	1,812,528	12,817	678.34	663.53	693.15
Bachelor's degree	2,521,353	18,699	943.62	913.88	973.36

Population age 25 years and over	7,261,810	1,386	2,717.74	2,671.99	2,763.50
----------------------------------	-----------	-------	----------	----------	----------

EDUCATIONAL ATTAINMENT					
	ROCKINGHAM COUNTY (n=22)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Less than High School Graduate	16	316	47.05	28.13	65.96
High school graduate (includes equivalency)	39	422	118.64	75.50	161.77
Population age 18-24 years	7	169	169.00	227.17	374.20
Less than 9th grade	4	500	500.00	97.48	163.70
9th to 12th grade, no diploma	11	655	655.00	255.62	423.28
High school graduate (includes equivalency)	35	1,069	1069.00	873.87	1210.32
Bachelor's degree	16	856	856.00	348.21	622.97
Population age 25 years and over	72	223	223.00	2551.87	3469.76

EDUCATIONAL ATTAINMENT				
	CENSUS TRACT 401.01		CENSUS TRACT 401.02	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Less than High School Graduate	120	144	43	30
High school graduate (includes equivalency)	83	78	94	55
Population age 18-24 years	271	172	240	87
Less than 9th grade	97	55	34	38
9th to 12th grade, no diploma	262	127	198	143
High school graduate (includes equivalency)	1,182	302	612	154
Bachelor's degree	214	107	224	136

Population age 25 years and over	2,963	411	2,963	256
---	-------	-----	-------	-----

EDUCATIONAL ATTAINMENT					
	CASWELL COUNTY (n=6)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Less than High School Graduate	22	124	70.33	21.75	118.92
High school graduate (includes equivalency)	43	228	136.83	111.15	162.52
Population age 18-24 years	8	166	166.00	251.98	386.02
Less than 9th grade	5	253	253.00	78.64	179.36
9th to 12th grade, no diploma	12	387	387.00	186.12	461.55
High school graduate (includes equivalency)	36	448	448.00	675.91	1305.43
Bachelor's degree	16	431	431.00	217.74	671.26
Population age 25 years and over	73	165	165.00	1909.51	3630.16

EDUCATIONAL ATTAINMENT										
	CENSUS TRACT 9301		CENSUS TRACT 9302		CENSUS TRACT 9303		CENSUS TRACT 9304		CENSUS TRACT 9306	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Less than High School Graduate	65	53	181	75	14	17	70	48	16	24
High school graduate (includes equivalency)	117	96	135	74	198	160	136	68	106	108
Population age 18-24 years	216	122	335	108	448	155	301	136	248	172

Less than 9th grade	135	91	145	77	167	175	39	41	75	108
9th to 12th grade, no diploma	105	80	606	152	398	178	254	163	353	151
High school graduate (includes equivalency)	641	186	1,474	259	943	202	441	173	1,168	289
Bachelor's degree	387	146	863	247	384	171	115	66	694	235
Population age 25 years and over	1,552	251	1,552	342	2,751	329	1,563	223	3,650	321

EDUCATIONAL ATTAINMENT					
	PERSON COUNTY (n=7)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Less than High School Graduate	21	242	93.86	26.49	161.22
High school graduate (includes equivalency)	34	259	153.00	67.76	238.24
Population age 18-24 years	8	308	308.00	323.74	573.97
Less than 9th grade	3	318	318.00	83.69	170.59
9th to 12th grade, no diploma	8	420	420.00	103.47	515.39
High school graduate (includes equivalency)	35	822	822.00	1150.38	1636.76
Bachelor's degree	20	710	710.00	571.51	1015.06
Population age 25 years and over	71	308	308.00	3372.48	4627.52

EDUCATIONAL ATTAINMENT				
	CENSUS TRACT 9202		CENSUS TRACT 9206.01	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Less than High School Graduate	232	148	191	183
High school graduate (includes equivalency)	36	34	306	94
Population age 18-24 years	545	235	606	222
Less than 9th grade	132	71	94	100
9th to 12th grade, no diploma	91	80	98	81
High school graduate (includes equivalency)	1,666	349	1,381	368
Bachelor's degree	1,268	374	396	244
Population age 25 years and over	4,290	424	4,290	490

Poverty & Low Income

POVERTY					
	NORTH CAROLINA (n=2672)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Below Poverty Level	1,355,827	16,940	507.42	492.22	522.62
Below 200% of the Poverty Level	3,195,199	26,486	1,195.81	1,167.73	1,223.89
Total Population for whom Poverty Status is Determined	10,297,193	2,274	3,853.74	3,785.91	3,921.57

POVERTY					
	ROCKINGHAM COUNTY (n=22)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Below Poverty Level	15,086	1,733	685.73	529.20	842.26
Below 200% of the Poverty Level	34,309	2,009	1,559.50	1,282.46	1,836.54
Total Population for whom Poverty Status is Determined	89,541	493	4,070.05	3,413.73	4,726.36

POVERTY				
	CENSUS TRACT 401.01		CENSUS TRACT 401.02	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Below Poverty Level	356	175	304	212
Below 200% of the Poverty Level	175	293	212	359
Total Population for whom Poverty Status is Determined	3,721	535	2,292	349

POVERTY					
	CASWELL COUNTY (n=6)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Below Poverty Level	3,325	674	554.17	292.42	815.91
Below 200% of the Poverty Level	6,842	803	1,140.33	660.82	1,619.85
Total Population for whom Poverty Status is Determined	21,161	304	3,526.83	2,755.15	4,298.52

POVERTY										
	CENSUS TRACT 9301		CENSUS TRACT 9302		CENSUS TRACT 9303		CENSUS TRACT 9304		CENSUS TRACT 9306	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Below Poverty Level	306	165	1,068	272	853	419	408	209	420	175
Below 200% of the Poverty Level	165	268	272	375	419	468	209	217	175	292
Total Population for whom Poverty	2,311	439	4,027	427	4,266	455	2,347	339	4,502	410

Status is Determined										
----------------------	--	--	--	--	--	--	--	--	--	--

POVERTY					
	PERSON COUNTY (n=7)				
	Estimate	MOE (+/-)	Average	95% CI (+/-)	
				Lower	Upper
Below Poverty Level	7,182	951	1,026.00	486.41	1,565.59
Below 200% of the Poverty Level	13,339	1,062	1,905.57	1,205.54	2,605.60
Total Population for whom Poverty Status is Determined	38,934	41	5,562.00	4,763.72	6,360.28

POVERTY				
	CENSUS TRACT 9202		CENSUS TRACT 9206.01	
	Estimate	MOE (+/-)	Estimate	MOE (+/-)
Below Poverty Level	308	144	1,161	439
Below 200% of the Poverty Level	144	360	439	602
Total Population for whom Poverty Status is Determined	5,424	559	5,513	734

US EPA Report

The following ACS 2019-2023 report shows the demographics and information provided through US EPA for the one-mile radius around Ruffin Compressor Station II.

EJScreen Multisite Report

This report summarizes environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

EJAM Report

Site 1 (jejun_uinj_id 1)
with 1 side buffer
Population: 212

[illegible]

Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. For each of the environmental indicators in EJScreen, there is an EJ Index and a Supplemental EJ Index. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the EJScreen website.

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator

[illegible]

[https://vjamapi-84652557241.us-central1.run.app/report?shape={\"type\":\"FeatureCollection\",\"features\":\[{\"type\":\"Feature\",\"properties\":{},\"geometry\":{\"coordinates\":\[\[-79.524686,36.450242\],\[-79.52636,36.450242\]\]}}\]\"&shape=geojson](https://vjamapi-84652557241.us-central1.run.app/report?shape={\)

5/30/25, 3:20 PM [ejamapi-84652557241.us-central1.run.app/report?shape={\"type\":\"FeatureCollection\", \"features\": \[{\"type\":\"Feature\", \"properties\": {}, \"geometry\": {\"coordinates\": \[\[-79.524686, 36.459242\]\]}\], ...](#)

[illegible][illegible][illegible]

Appendix D: County-Level Health Rankings

County health ranks and corresponding quartiles for both the health outcomes and health factors categories were taken from the University of Wisconsin Population Health Institute 2025 County Health Rankings National Data. Distributions of z-score ranges as reported by the 2025 County Health Rankings National Data for data present in the state of North Carolina for population health and well-being and community conditions are represented in **Figures 18 & 19**.

Figure 18: Histogram of population health and well-being ranges for national z-scores reported in 2025 County Health Rankings data.

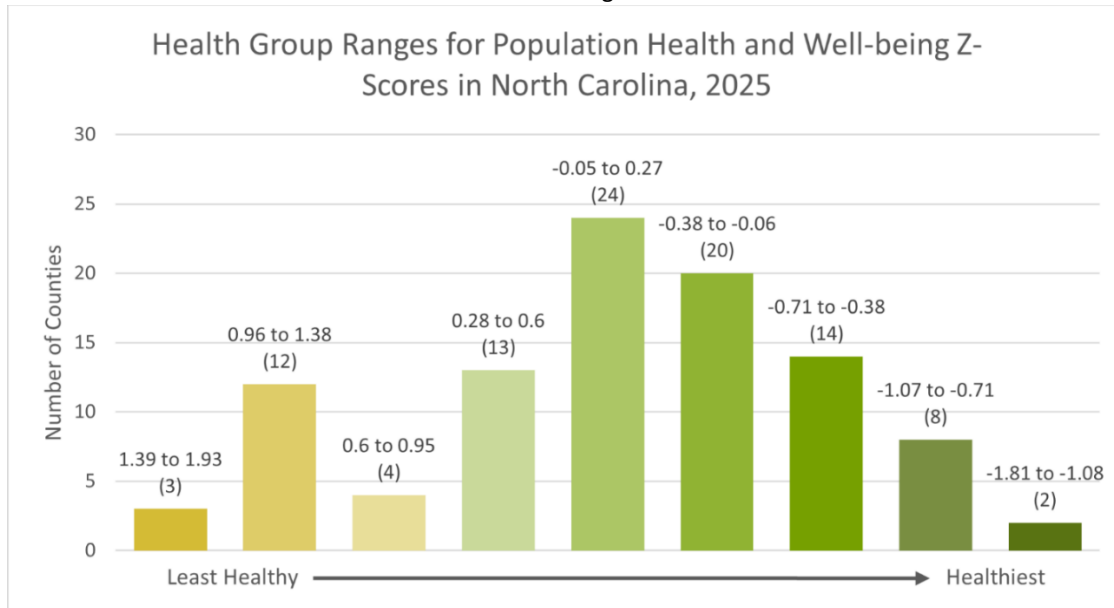
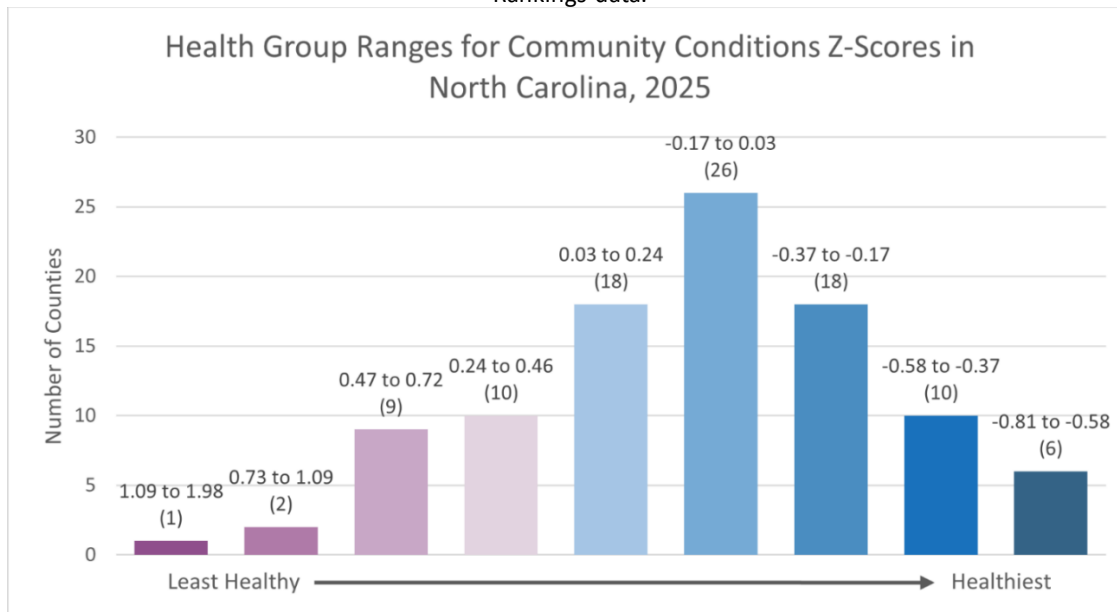


Figure 19: Histogram of community conditions ranges for national z-scores reported in 2025 County Health Rankings data.



Appendix E: CDC Index

The CDC Index is intended to evaluate the cumulative impacts to health by ranking census tracts based on combined social, environmental burden, and health vulnerability indicators. Social vulnerability indicators include racial/ethnic minority status, socioeconomic status, household characteristics, and housing type. Environmental burden indicators include air pollution, potentially hazardous and toxic sites, built environment, transportation infrastructure, and water pollution. Health vulnerability is

determined based on pre-existing chronic disease burden. The CDC's Index delivers a single score for each census tract to identify areas most at risk for the health impacts of environmental burden.

Ranking calculated by multiplying the sum of health vulnerability flags ($n = 5$) by 0.2 to produce a number between 0-1. Note: Due to a lack of scientific evidence supporting a specific weighting scheme, all modules are weighted equally in calculating the Overall Index Score. This method of equal weighting for all modules aligns with established methods to assess cumulative impact and social vulnerability.⁹ Overall Index Scores are percentile ranked to produce a final Index Ranking with a range of between 0 – 1.

The CDC Index County Map profiles for the counties in the project area are included below.

⁹ Sadd, J. L, et. al. (2011). Playing It Safe: Assessing Cumulative Impact and Social Vulnerability.... *International Journal of Environmental Research and Public Health*, 8(5), 1441-1459.
<https://pubmed.ncbi.nlm.nih.gov/21655129/>

Environmental Justice Index

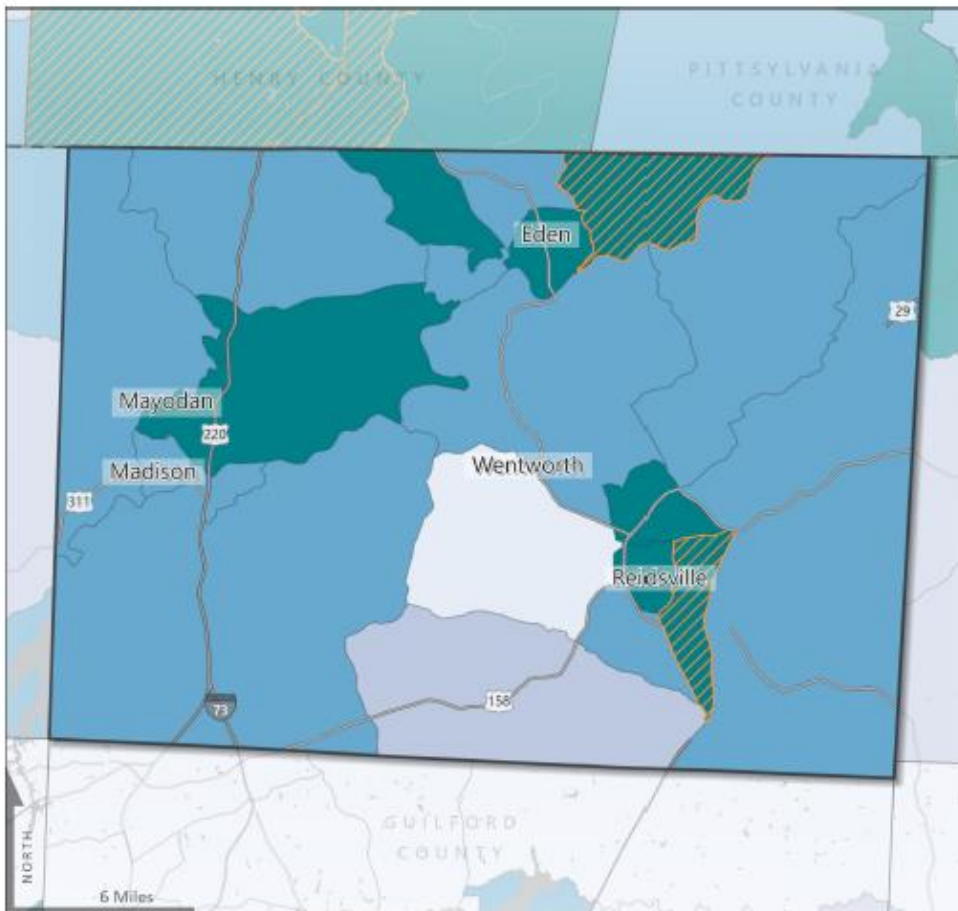
Rockingham County, North Carolina

The **Environmental Justice Index (EJI)** measures the cumulative impacts of environmental injustice in communities across the United States. The EJI ranks are based on percentile rankings of all tracts in the contiguous United States¹.

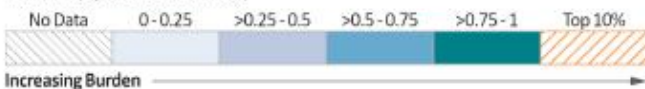
The EJI ranks communities on 36 indicators and 3 modules, which are then combined to create 1 overall EJI rank.

36 Environmental, Social, and Health Indicators → **3** Overarching Modules → **1** EJI Rank

31,555 | Number of Rockingham County Residents Living In **Highly Burdened Areas**



EJI Rank (by U.S. Census Tract)



¹Alaska, Hawaii, and territories were not included due to data limitations.

Let's Compare!

What percent of residents are living in highly burdened areas?

34.6%
Rockingham County

13.7%
North Carolina



22.9%
United States



Scan to learn more or visit
<https://eji.cdc.gov>



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index

Rockingham County, North Carolina

Indicator View



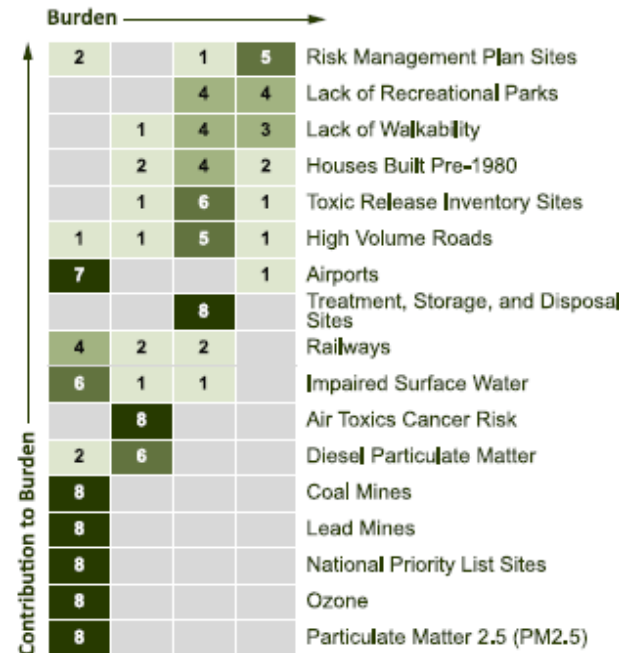
8 of 22 tracts are Highly Burdened

Highly burdened tracts for Rockingham County are tracts with EJI ranks of > 0.75. These are tracts that might need special attention or additional action when addressing environmental injustice and health inequities.

Indicator Rank Distribution

Among these 8 tracts, which **environmental burden** and **social vulnerability** indicators are contributing the most to burden? The figures below display the number of tracts by categories of burden or vulnerability. Higher numbers to the right indicate more tracts experiencing high burden.

Environmental Burden



Social Vulnerability



Health Vulnerability

Among these 8 tracts, how many are **flagged for high prevalence** in the following **pre-existing chronic health conditions**?

For each condition, **flagged tracts** have a higher prevalence than $\frac{2}{3}$ of all tracts in the United States.



Heart Disease
8/8 Tracts



Diabetes
8/8 Tracts



Cancer
5/8 Tracts



Asthma
4/8 Tracts



Poor Mental Health
4/8 Tracts



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention

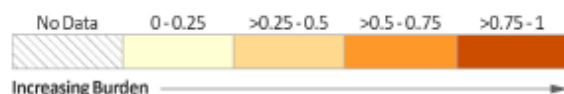
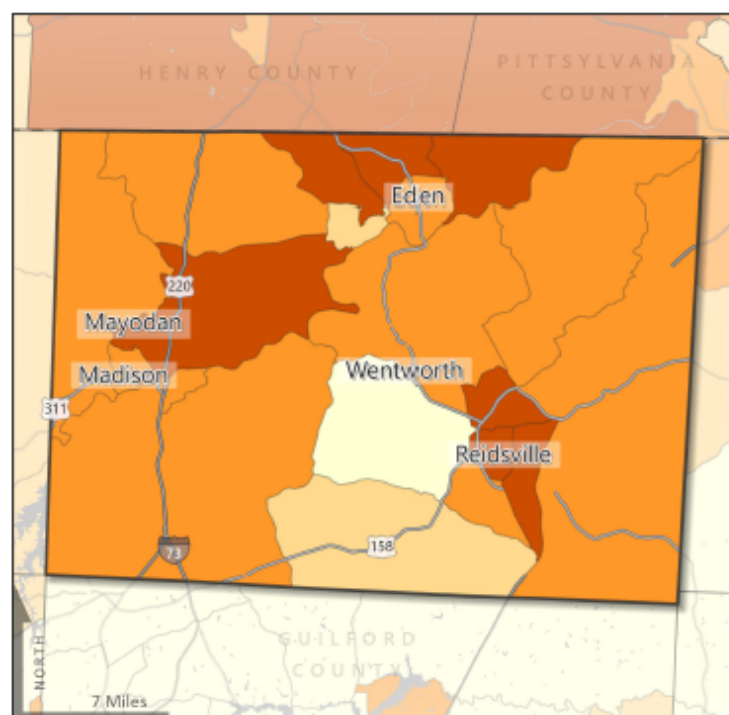
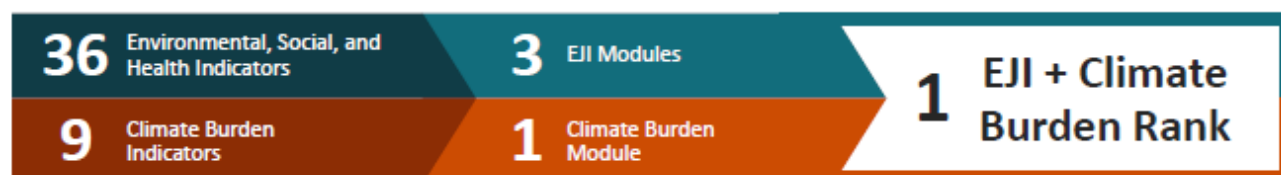


Environmental Justice Index

Rockingham County, North Carolina

EJI + Climate Burden

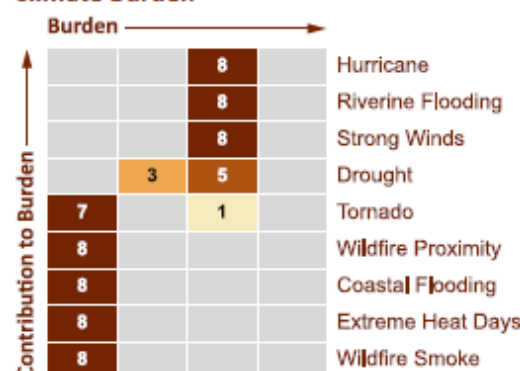
The EJI + **Climate Burden** Rank is a supplement to the base EJI Rank. The supplement measures cumulative impacts, including climate-related burdens, on the health of U.S. communities. EJI + **Climate Burden** is based on the ranks for all 3 base EJI Modules and the EJI **Climate Burden Module** Rank.

**8**

Highly burdened tracts for Rockingham County are tracts with EJI + Climate ranks of > 0.75. Climate burdens can add to existing burdens and stressors.

Among these 8 tracts, indicators are listed in order of contribution to burden. For each indicator, the figure displays the number of tracts that fall into progressively higher categories of burden or vulnerability.

Climate Burden



Questions? Email ejc_coordinator@cdc.gov or visit <https://ejc.cdc.gov>

Notes: For more information on data selection, data sources, and on the methodology used to calculate indicators and EJI ranks, please see the EJI Technical Documentation located at: https://www.atsdr.cdc.gov/placeandhealth/eji/technical_documentation.html

Data Sources: U.S. Census Bureau American Community Survey; U.S. Environmental Protection Agency: AirToxScreen, AQS, FRS, NWI, WSIO; U.S. Mine Safety and Health Administration Mine Data Retrieval System; U.S. Geological Survey PAD-US 4.0; U.S. Department of Transportation National Transportation Atlas Database; U.S. Department of Transportation National Highway System; OpenStreetMap; U.S. Centers for Disease Control and Prevention PLACES data; Agency for Toxic Substances and Disease Registry



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index

Caswell County, North Carolina

The **Environmental Justice Index (EJI)** measures the cumulative impacts of environmental injustice in communities across the United States. The EJI ranks are based on percentile rankings of all tracts in the contiguous United States¹.

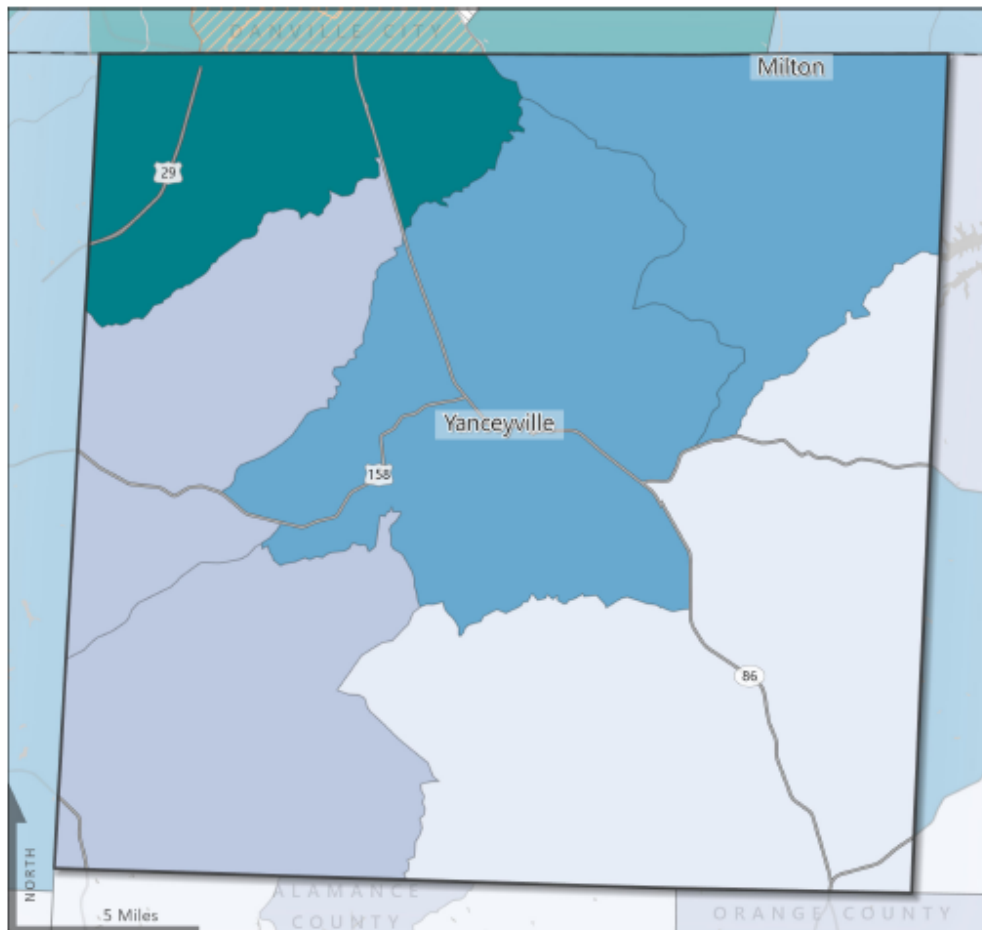
The EJI ranks communities on 36 indicators and 3 modules, which are then combined to create 1 overall EJI rank.

36 Environmental, Social, and Health Indicators

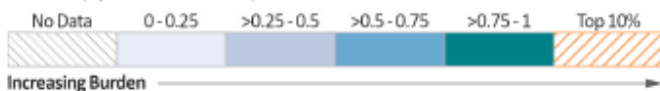
3 Overarching Modules

1 EJI Rank

4,165 | Number of Caswell County Residents Living In **Highly Burdened Areas**



EJI Rank (by U.S. Census Tract)



¹Alaska, Hawaii, and territories were not included due to data limitations.

Let's Compare!

What percent of residents are living in highly burdened areas?

18.3%
Caswell County

13.7%
North Carolina



22.9%
United States



Scan to learn more or visit
<https://eji.cdc.gov>



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index

Caswell County, North Carolina

Indicator View



1 of 6 tracts are Highly Burdened

Highly burdened tracts for Caswell County are tracts with EJI ranks of > 0.75. These are tracts that might need special attention or additional action when addressing environmental injustice and health inequities.

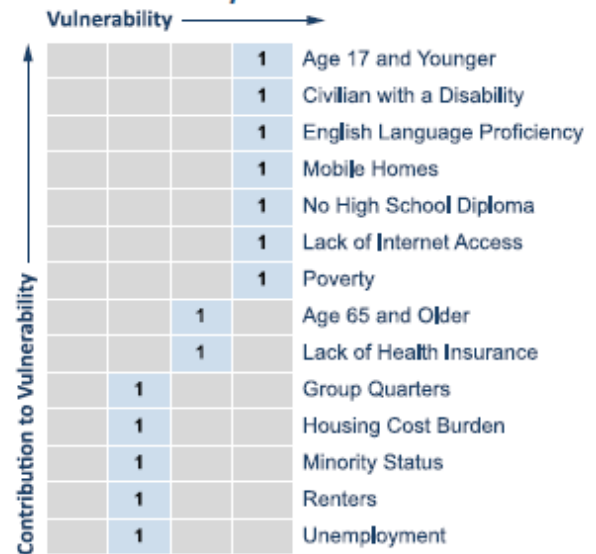
Indicator Rank Distribution

Among these 1 tracts, which **environmental burden** and **social vulnerability** indicators are contributing the most to burden? The figures below display the number of tracts by categories of burden or vulnerability. Higher numbers to the right indicate more tracts experiencing high burden.

Environmental Burden



Social Vulnerability



Health Vulnerability

Among these 1 tracts, how many are **flagged for high prevalence** in the following **pre-existing chronic health conditions**?

For each condition, **flagged tracts** have a higher prevalence than $\frac{2}{3}$ of all tracts in the United States.



Asthma
1/1 Tracts



Cancer
1/1 Tracts



Heart Disease
1/1 Tracts



Diabetes
1/1 Tracts



Poor Mental Health
0/1 Tracts



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention

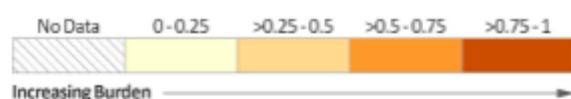
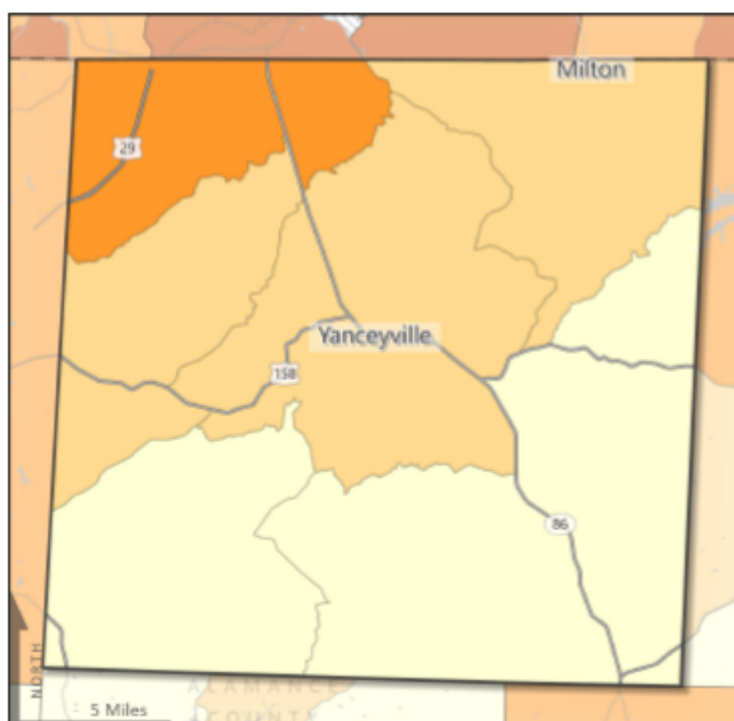
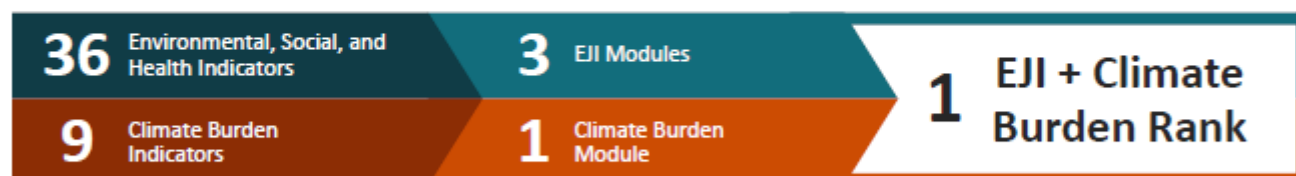


Environmental Justice Index

Caswell County, North Carolina

EJI + Climate Burden

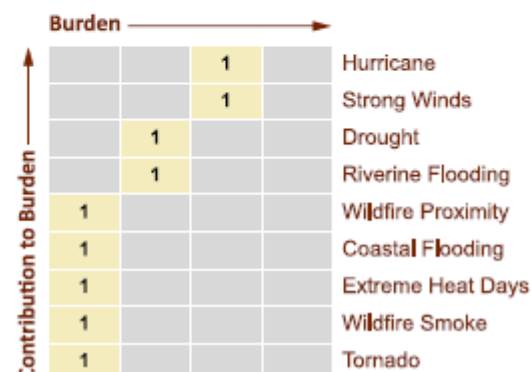
The **EJI + Climate Burden Rank** is a supplement to the base EJI Rank. The supplement measures cumulative impacts, including climate-related burdens, on the health of U.S. communities. **EJI + Climate Burden** is based on the ranks for all 3 base EJI Modules and the **EJI Climate Burden Module Rank**.

**1**

The most burdened tracts for Caswell County are tracts with **EJI + Climate ranks of > 0.70**. Climate burdens can add to existing burdens and stressors.

Among these **1** tracts, indicators are listed in order of contribution to burden. For each indicator, the figure displays the number of tracts that fall into progressively higher categories of burden or vulnerability.

Climate Burden



Questions? Email ejc_coordinator@cdc.gov or visit <https://ejc.cdc.gov>

Notes: For more information on data selection, data sources, and on the methodology used to calculate indicators and EJI ranks, please see the EJI Technical Documentation located at: https://www.atsdr.cdc.gov/placeandhealth/eji/technical_documentation.html

Data Sources: U.S. Census Bureau American Community Survey; U.S. Environmental Protection Agency: AirToxScreen, AQS, FRS, NWI, WSIO; U.S. Mine Safety and Health Administration Mine Data Retrieval System; U.S. Geological Survey PAD-US 4.0; U.S. Department of Transportation National Transportation Atlas Database; U.S. Department of Transportation National Highway System; OpenStreetMap; U.S. Centers for Disease Control and Prevention PLACES data; Agency for Toxic Substances and Disease Registry



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index

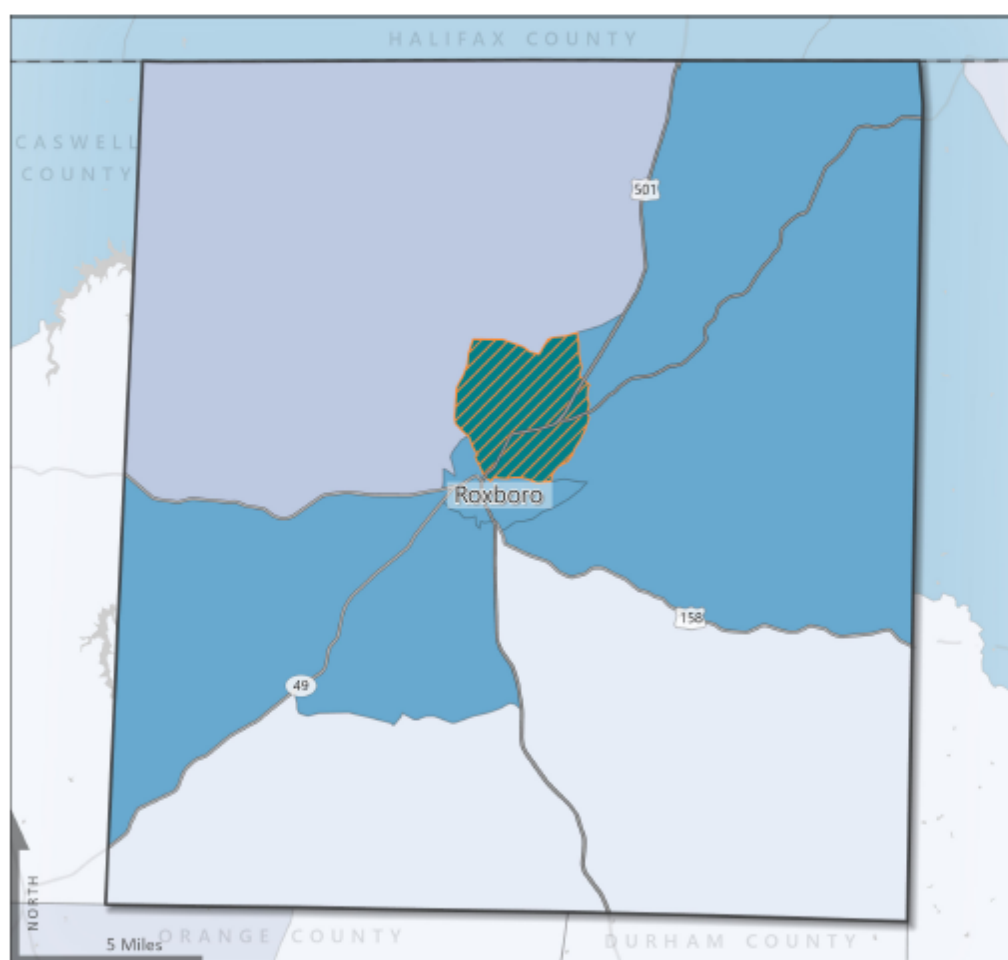
Person County, North Carolina

The **Environmental Justice Index (EJI)** measures the cumulative impacts of environmental injustice in communities across the United States. The EJI ranks are based on percentile rankings of all tracts in the contiguous United States¹.

The EJI ranks communities on 36 indicators and 3 modules, which are then combined to create 1 overall EJI rank.

36 Environmental, Social, and Health Indicators **3** Overarching Modules **1** EJI Rank

6,204 | Number of Person County Residents Living In **Highly Burdened Areas**



EJI Rank (by U.S. Census Tract)



Increasing Burden

¹Alaska, Hawaii, and territories were not included due to data limitations.

Let's Compare!

What percent of residents are living in highly burdened areas?

15.9%
Person County

13.7%
North Carolina



22.9%
United States



Scan to learn more or visit
<https://eji.cdc.gov>



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Environmental Justice Index

Person County, North Carolina

Indicator View



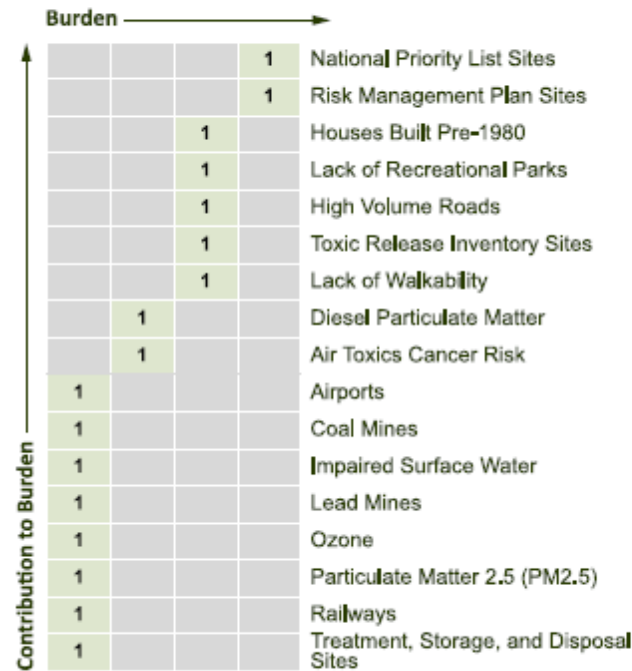
1 of 7 tracts are Highly Burdened

Highly burdened tracts for Person County are tracts with EJI ranks of > 0.75. These are tracts that might need special attention or additional action when addressing environmental injustice and health inequities.

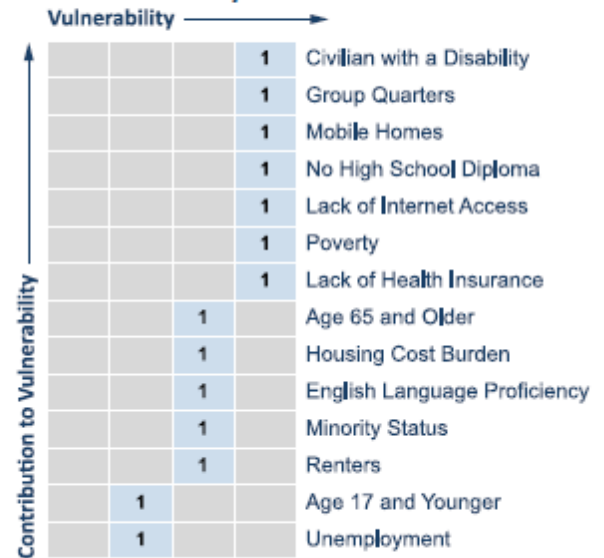
Indicator Rank Distribution

Among these 1 tracts, which **environmental burden** and **social vulnerability** indicators are contributing the most to burden? The figures below display the number of tracts by categories of burden or vulnerability. Higher numbers to the right indicate more tracts experiencing high burden.

Environmental Burden



Social Vulnerability



Health Vulnerability

Among these 1 tracts, how many are **flagged for high prevalence** in the following **pre-existing chronic health conditions**?

For each condition, **flagged tracts** have a higher prevalence than $\frac{2}{3}$ of all tracts in the United States.



Asthma
1/1 Tracts



Heart Disease
1/1 Tracts



Poor Mental Health
1/1 Tracts



Diabetes
1/1 Tracts



Cancer
0/1 Tracts



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention

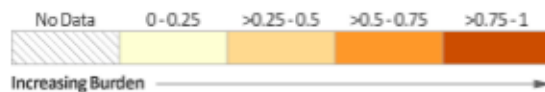
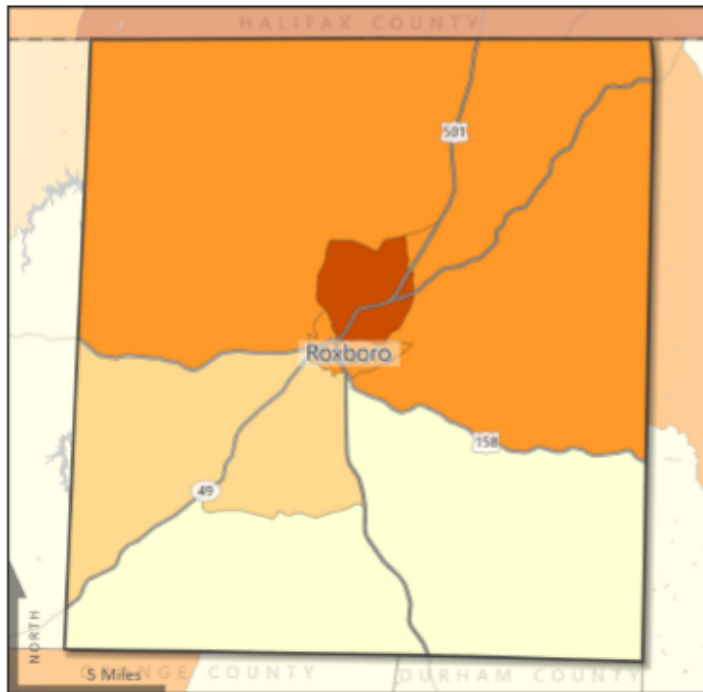
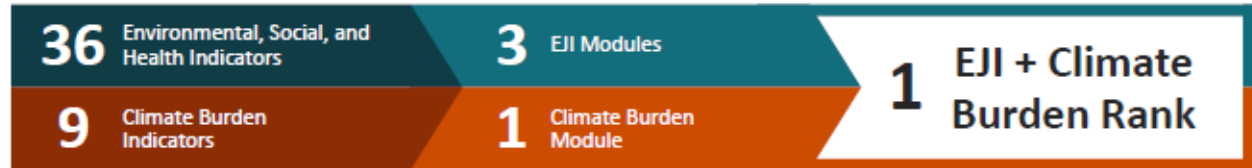


Environmental Justice Index

Person County, North Carolina

EJI + Climate Burden

The **EJI + Climate Burden Rank** is a supplement to the base EJI Rank. The supplement measures cumulative impacts, including climate-related burdens, on the health of U.S. communities. **EJI + Climate Burden** is based on the ranks for all 3 base EJI Modules and the **EJI Climate Burden Module Rank**.

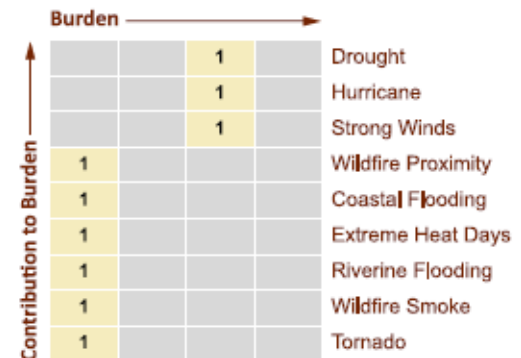


1

Highly burdened tracts for **Person County** are tracts with **EJI + Climate** ranks of **> 0.75**. Climate burdens can add to existing burdens and stressors.

Among these **1** tracts, indicators are listed in order of contribution to burden. For each indicator, the figure displays the number of tracts that fall into progressively higher categories of burden or vulnerability.

Climate Burden



Questions? Email ejc_coordinator@cdc.gov or visit <https://ejc.cdc.gov>

Notes: For more information on data selection, data sources, and on the methodology used to calculate indicators and EJI ranks, please see the EJI Technical Documentation located at: https://www.atsdr.cdc.gov/placeandhealth/eji/technical_documentation.html

Data Sources: U.S. Census Bureau American Community Survey; U.S. Environmental Protection Agency: AirToxScreen, AQS, FRS, NWI, WSIO; U.S. Mine Safety and Health Administration Mine Data Retrieval System; U.S. Geological Survey PAD-US 4.0; U.S. Department of Transportation National Transportation Atlas Database; U.S. Department of Transportation National Highway System; OpenStreetMap; U.S. Centers for Disease Control and Prevention PLACES data; Agency for Toxic Substances and Disease Registry



Geospatial Research, Analysis & Services Program (GRASP)
Agency for Toxic Substances and Disease Registry (ATSDR)
Centers for Disease Control and Prevention



Appendix F: Limitations

Census Data

Census data is collected at a national level every 10 years. Data used in this report was collected between 2010 - 2019. For each sociodemographic indicator described, the most recent available data since 2022 at a census tract level was utilized. Since not all data from the 2022 census has been published, all data utilized was collected before 2022 to maintain comparability at the tract level. Specific data tables and years available are listed in Appendix A.

Furthermore, reporting affects sample size which then affects interpretation of data. The U.S. Census Bureau uses and provides margins of error which is used as an indicator of potential sampling errors and relative reliability. A larger margin of error corresponds to a larger degree of uncertainty. Margins of error for sociodemographic indicators are provided in Appendix C as available through the U.S. Census Bureau.

- Data available through is not compatible with all categories of data from U.S. Census Bureau data. Therefore, not all comparison tables contain the project area percentages or estimates.
- Data retrieved through US EPA is based on a one-mile radius of Ruffin Compressor Station II whereas U.S. Census Bureau data is based on census tracts. As such, the evaluated populations will differ.
- A significantly smaller portion of some census tracts may be included within the one-mile radius of Ruffin Compressor Station II compared to other intersecting census tracts. Despite this, the census tract is still included in the analysis as it is still within proximity of the facility.

For more information about census data collection methods and sources, please visit www.data.census.gov.

Cumulative Impacts and Health

As previously mentioned, there is no standardized methodology to assess for cumulative impacts at this current time. This analysis does however examine the factors that may contribute to cumulative impacts. However, this analysis does not establish or imply any direct causal link between the environmental source exposures used in this analysis and health outcomes.

Appendix G: Glossary

TERM	DEFINITION
Age	The length of time in completed years that a person has lived.
Block Group	A block is the smallest geographic unit for which the Census Bureau tabulates decennial census data. Statistical divisions of census tracts are generally defined to contain between 600 and 3,000 people and are used to present data and control block numbering. A block group consists of clusters of blocks within the same census tract that have the same first digit of their four-digit census block number.

Census Tract	<p>A small, relatively permanent statistical subdivision of a county delineated by a local committee of census data users for the purpose of presenting data. Census tracts ideally contain about 4,000 people and 1,600 housing units.</p> <p>Small, relatively permanent statistical subdivisions of a county or statistically equivalent entity that can be updated by local participants prior to each decennial census as part of the Census Bureau's Participant Statistical Areas Program. Census tracts generally have a population size between 1,200 and 8,000 people, with an optimum size of 4,000 people. A census tract usually covers a contiguous area; however, the spatial size of census tracts varies widely depending on the density of settlement. Census tracts occasionally are split due to population growth or merged as a result of substantial population decline.</p>
Civil Rights Restoration Action of 1987	Amends several anti-discrimination laws, including the Civil Rights Act of 1964, to define the phrase "program or activity" and the term "program" to mean <i>all operations</i> of a (non-religious) entity that receives Federal financial assistance.
Disability	A long-lasting physical, mental, or emotional condition. This condition can make it difficult for a person to do activities such as walking, climbing stairs, dressing, bathing, learning, or remembering. This condition can also impede a person from being able to go outside the home along or to work at a job or business.
Disproportionate Effects	Term used in Executive Order 12898 to describe situations of concern where there exists significantly higher and more adverse health and environmental effects on minority populations, low-income populations, or indigenous peoples.
Income	The money income received on a regular basis (exclusive of certain money receipts such as capital gains and lump-sum payments) before payments for personal income taxes, social security, union dues, Medicare deductions, etc.
Limited English Proficiency (LEP)	The language currently used by respondents at home, either "English only" or a non-English language which is used in addition to English or in place of English.
People of Color Populations	According to the U.S. Census Bureau, population of people who are not single-race white and not Hispanic. Populations of individuals who are members of the following population groups: American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; or Hispanic.

Title VI of the Civil Rights Act of 1964	Title VI of the Civil Rights Act of 1964 and the U.S. Environmental Protection Agency (US EPA) regulations prohibit discrimination on the basis of race, color, or national origin in any program or activity receiving federal financial assistance. NCDEQ is a recipient of financial assistance from the US EPA and is subject to the provisions of Title VI and US EPA's implementing regulations.
Race	A person's self-identification with one or more social groups. An individual can report [to the U.S. Census] as White, Black or African American, Asian, American Indian and Alaska Native, Native Hawaiian and Other Pacific Islander, or some other race.
Sensitive Receptors	Areas where the occupants are more susceptible to the adverse effects of exposure to toxic chemicals, pesticides, and other pollutants. Sensitive receptors include, but are not limited to, hospitals, schools, daycare facilities, elderly housing and convalescent facilities.
Sex	A person's biological sex.