



# Blue Line Extension HIA

## ENVIRONMENT

The Blue Line Extension impacts Toby Creek, Toby Creek Greenway, and air pollution levels and exposure risk.

### POPULATION

#### Students Living ON Campus

- Next to UNCC Main Station
- Across from JW Clay Blvd. Station
- In future housing
- In housing away from stations

#### Students Living NEAR Campus

- North Tryon St.
- University City Blvd.
- East Mallard Creek Church Rd.
- East WT Harris Blvd.

#### OFF-CAMPUS Commuters

- Graduate Students
- Undergraduate Students
- Faculty
- Staff

#### NON-UNCC Commuters, Greenway Users, & Residents

- Existing residents near campus
- Existing residents near Blue Line stations
- Blue Line Commuters
- Bus Commuters
- Drivers
- Greenway Users
- Walkers/Bicyclists

### INTERMEDIATE IMPACTS/SITUATIONAL CHANGES

#### Impacts to Toby Creek as the Blue Line Extension is constructed, after construction, through operation of the Blue Line and following additional land use development

- Sedimentation within the Creek
- Changes to Creek Alignment
- Pollution of the Creek with Runoff
- Storm-water Management (additional impervious surfaces, fewer trees, and flooding)
- Access to Creek (students and greenway users)

#### Changes to Toby Creek Greenway alignment to construct the Blue Line Extension and closure of the greenway during construction

- Use of the Greenway (less during construction/more after)
- Changes in Type of Greenway Use (utilitarian/recreational)
- Exposure to Nature
- Environmental Impacts of Reconstructing Greenway

#### Fewer people drive to campus as more take Blue Line resulting in less air pollution on campus

- Changes to Air Pollution on Campus
- More People Walking from Blue Line vs Driving to Parking Lots

#### More people drive to JW Clay Blvd. Station as more take Blue Line into Uptown Charlotte resulting in more traffic and air pollution on N. Tryon

- Changes to Air Pollution on Campus and along N. Tryon
- More People Walking/ Biking from Blue Line along N. Tryon

### POTENTIAL HEALTH IMPACTS

#### MENTAL HEALTH IMPACTS

- Stress/Depression/Anxiety

#### ENVIRONMENTAL HEALTH IMPACTS

- Unintentional Injury
- Exposure to Air Pollution
- Exposure to Odors
- Exposure to Nature

#### PHYSICAL HEALTH IMPACTS

- Respiratory Disease/Asthma
- Likelihood of Chronic Diseases
- Cardiovascular Disease
- Waterborne Diseases
- Activity from Walking/Biking
- Weight Management