

# Expanding Activity Space

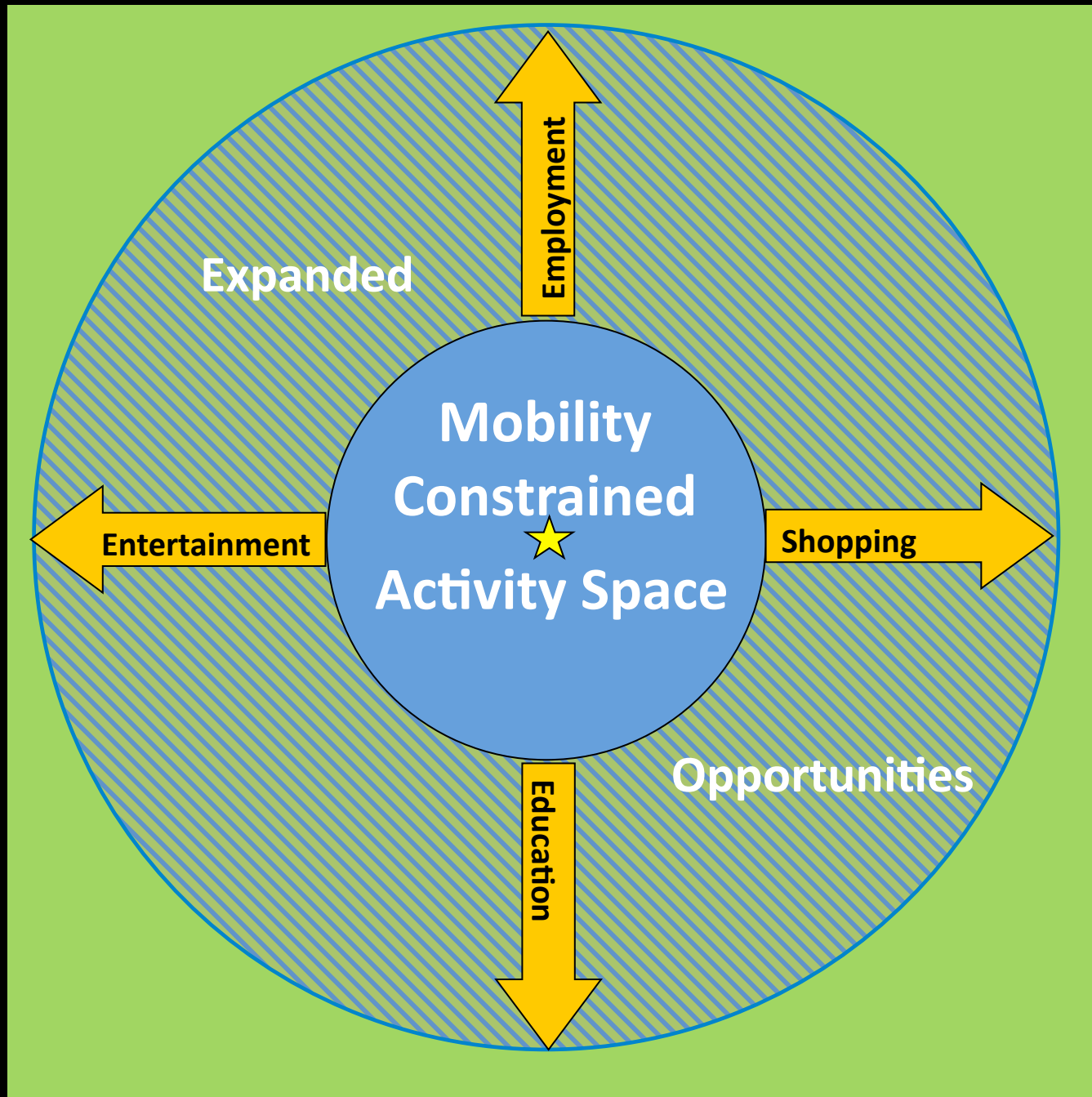
Laxmi Ramasubramanian, PhD, AICP

Scott Giering

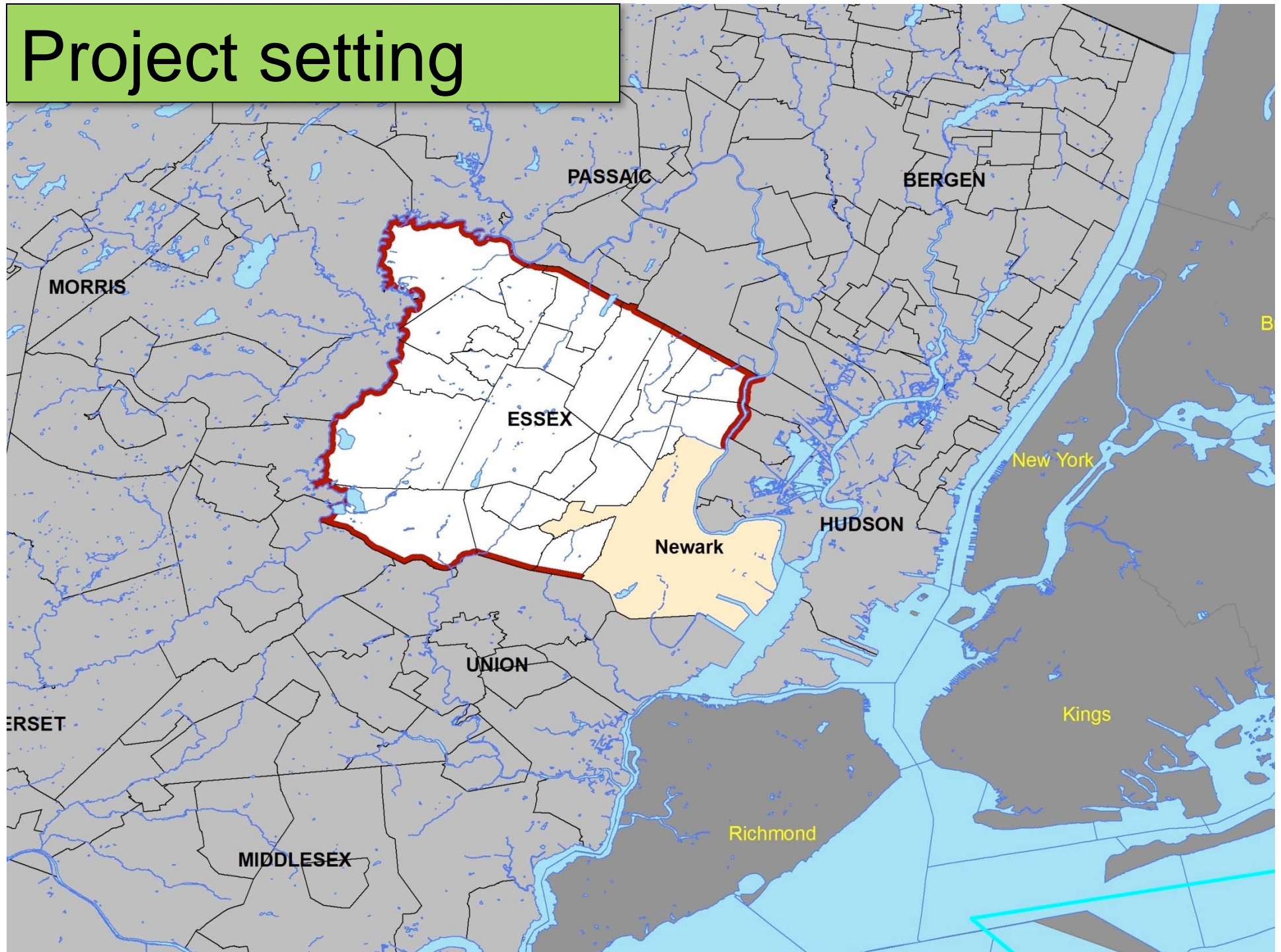
Deborah Stattel

Ashley Emerole





# Project setting



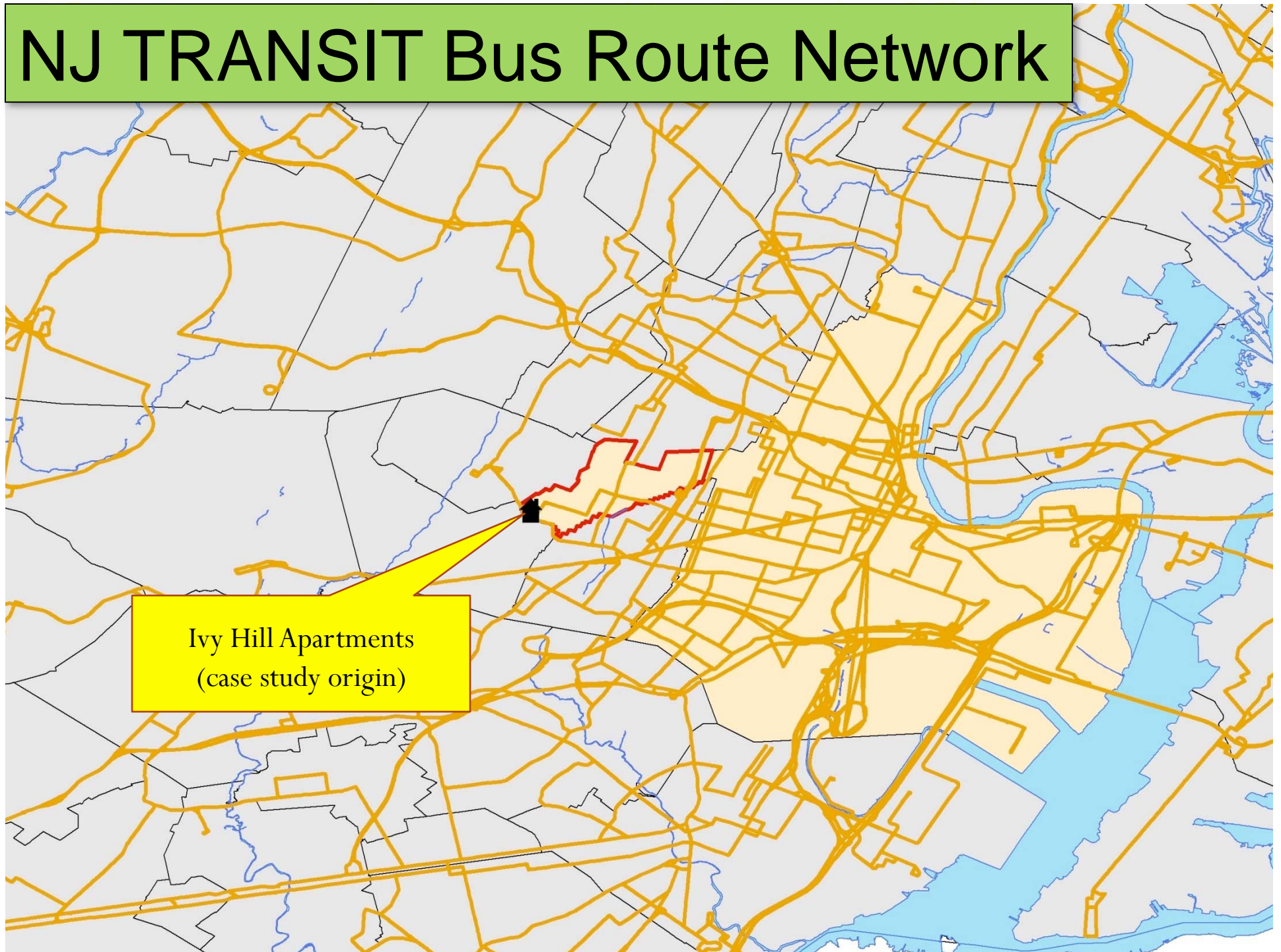


# Vailsburg, Newark



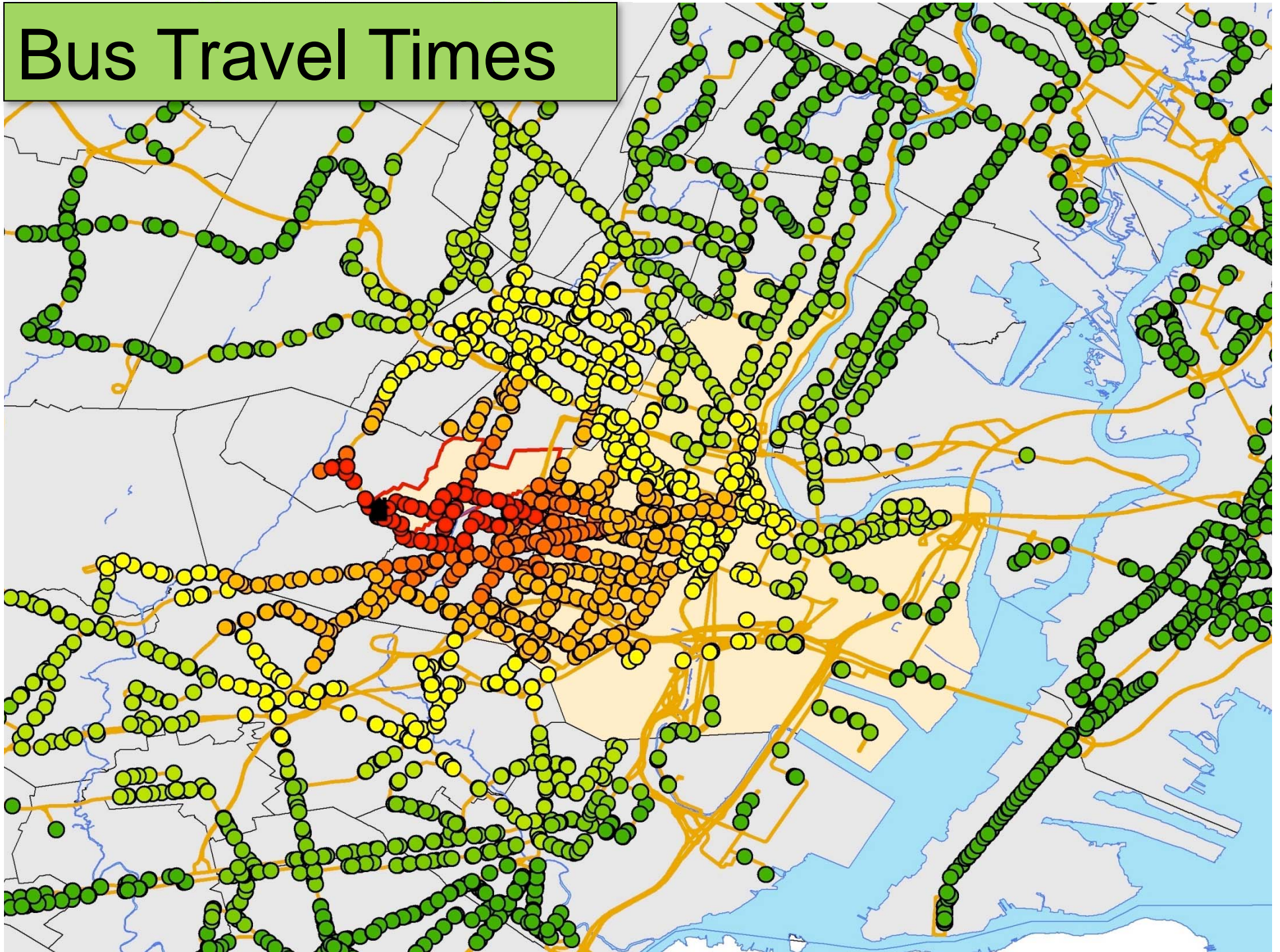


# NJ TRANSIT Bus Route Network





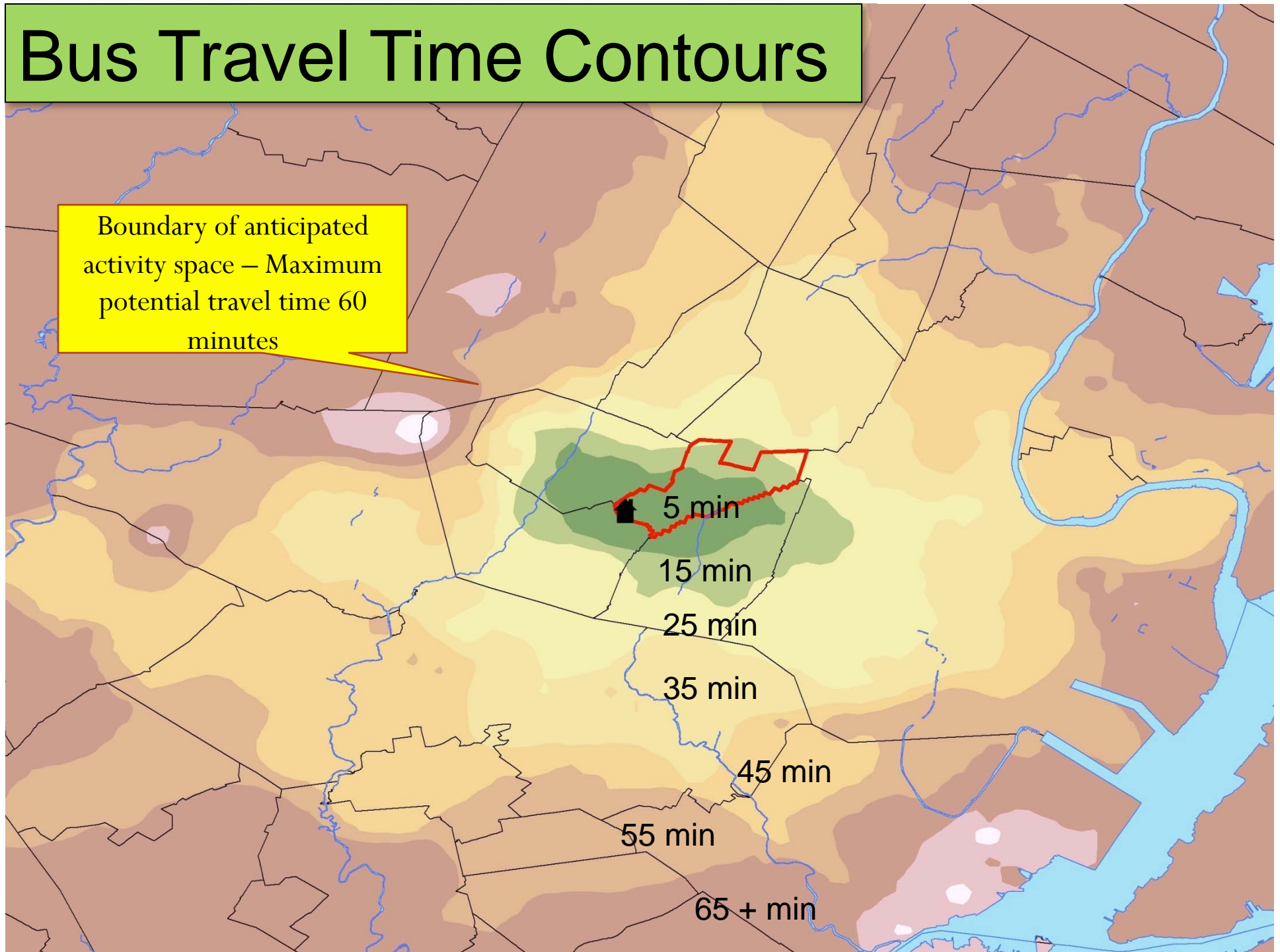
# Bus Travel Times





# Bus Travel Time Contours

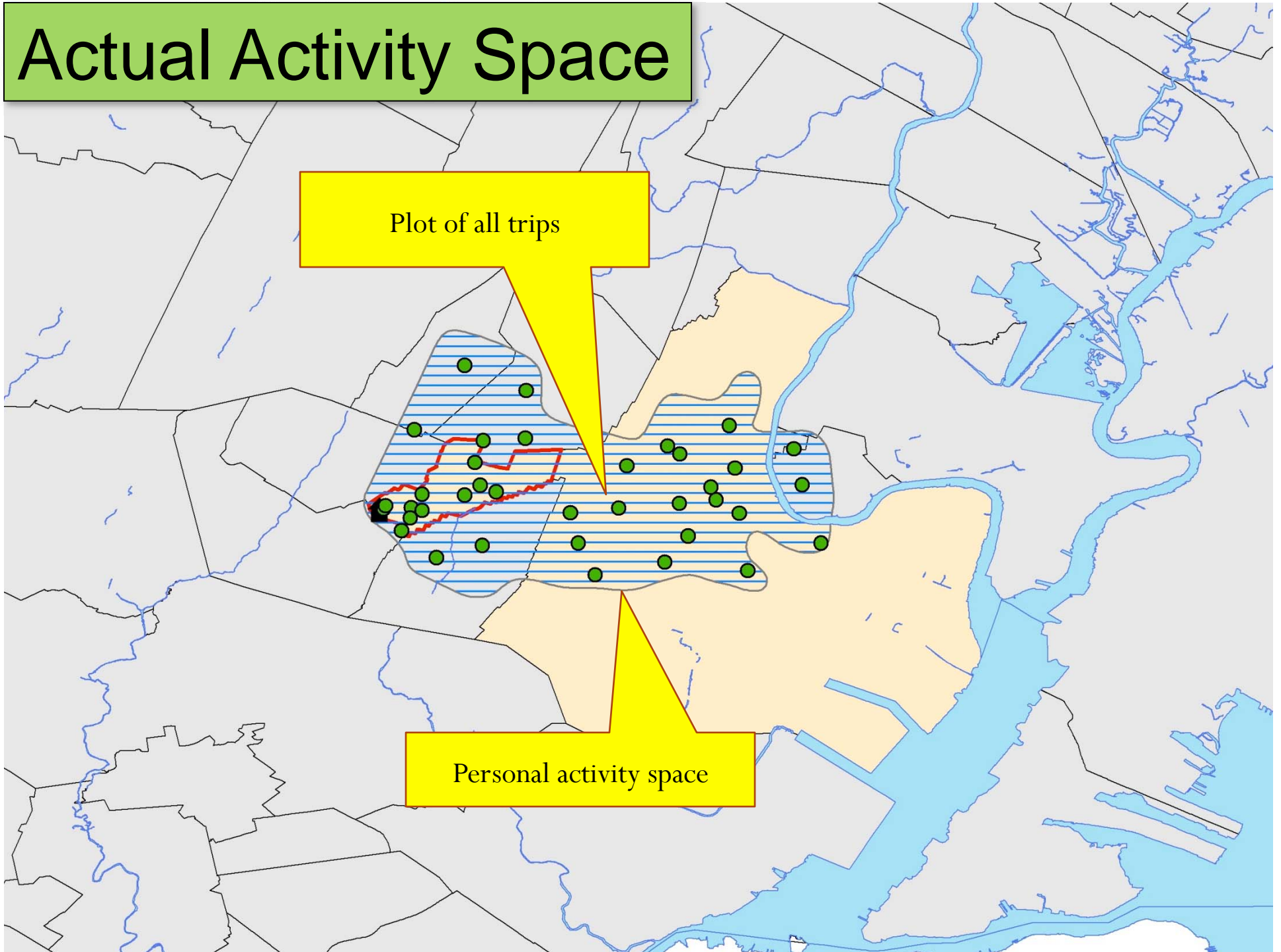
Boundary of anticipated  
activity space – Maximum  
potential travel time 60  
minutes



# Actual Activity Space

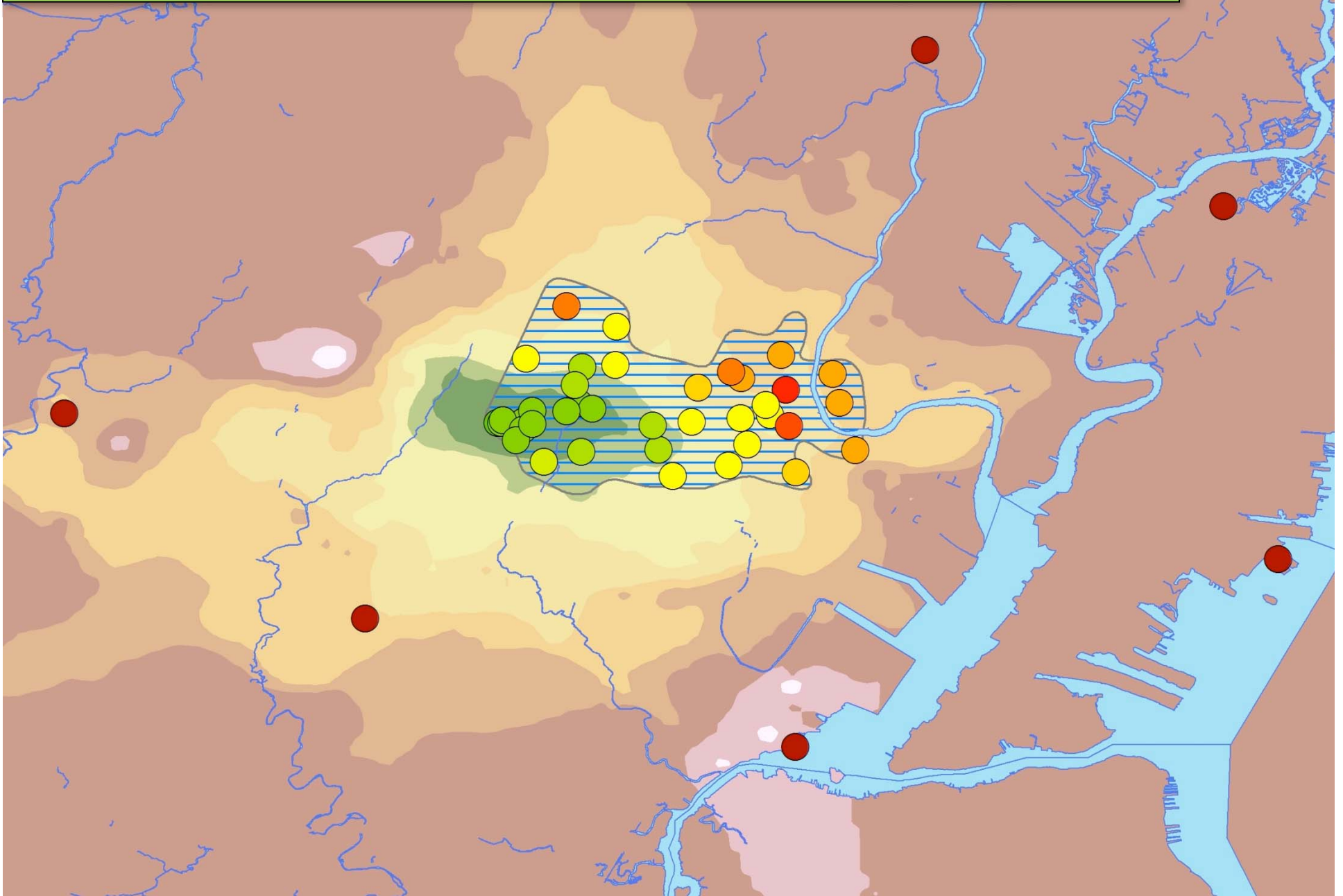
Plot of all trips

Personal activity space





# Anticipated v. Actual Activity Space



# Identification of Problem Trips

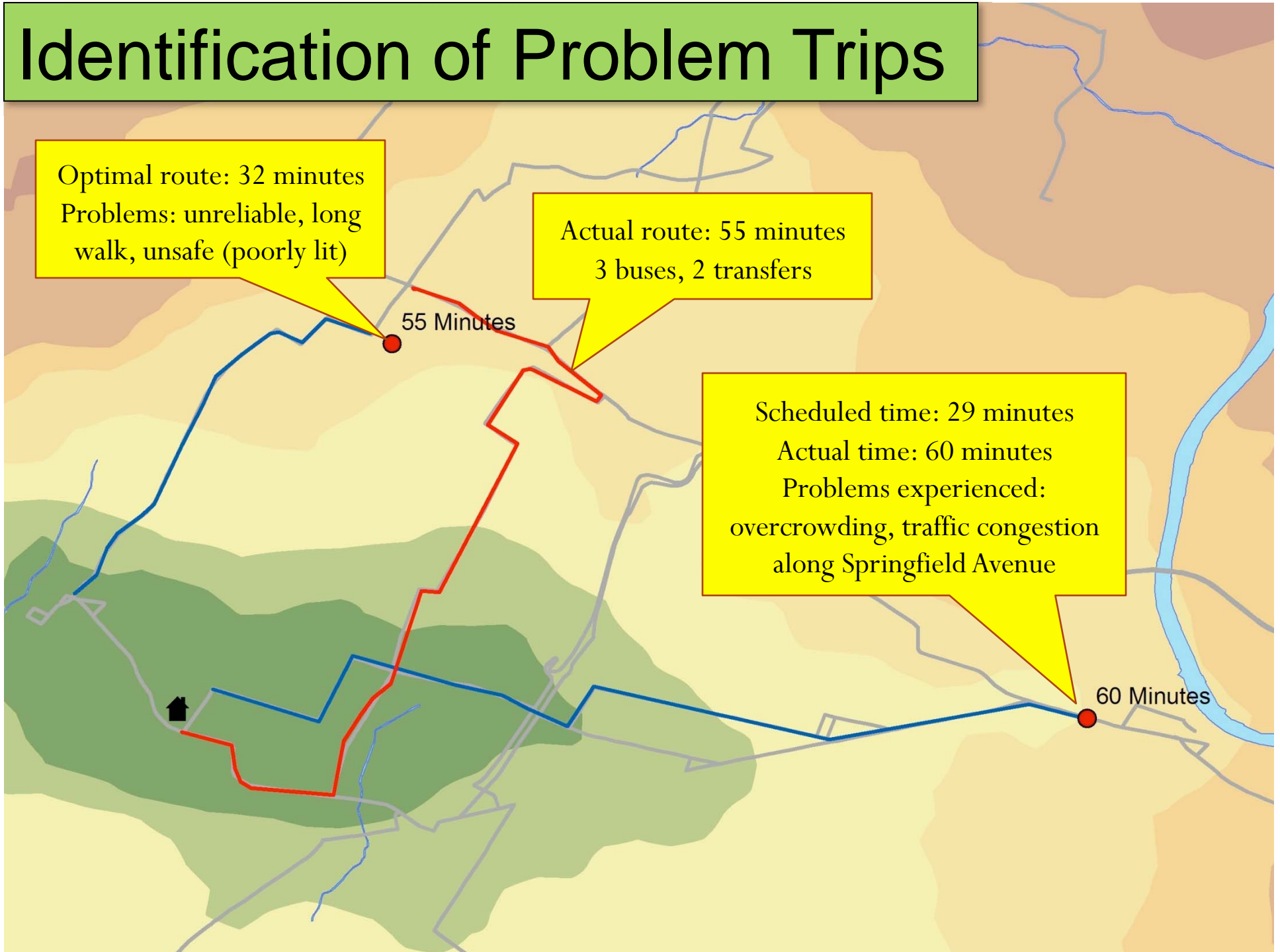
Optimal route: 32 minutes  
Problems: unreliable, long walk, unsafe (poorly lit)

Actual route: 55 minutes  
3 buses, 2 transfers

Scheduled time: 29 minutes  
Actual time: 60 minutes  
Problems experienced:  
overcrowding, traffic congestion  
along Springfield Avenue

55 Minutes

60 Minutes





# Desired Trips

