

Ferry Systems in new york city

by sharon moskovits

Privatized Ferry Network in NYC

Main Ferry Landings in New York City Area

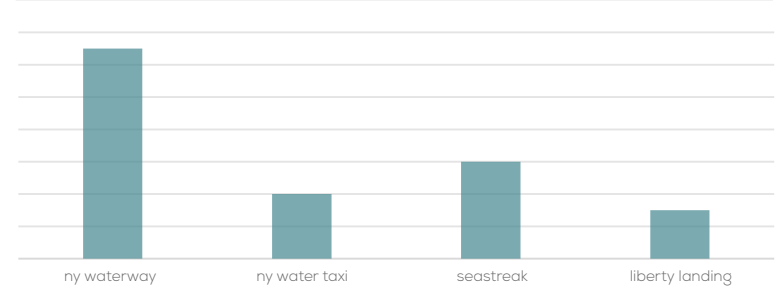


Sources : East River Ferry / NY Waterway / NY Water Taxi / Seastreak / Liberty Landing Ferry / NYC EDC 2013 Citywide Ferry Study

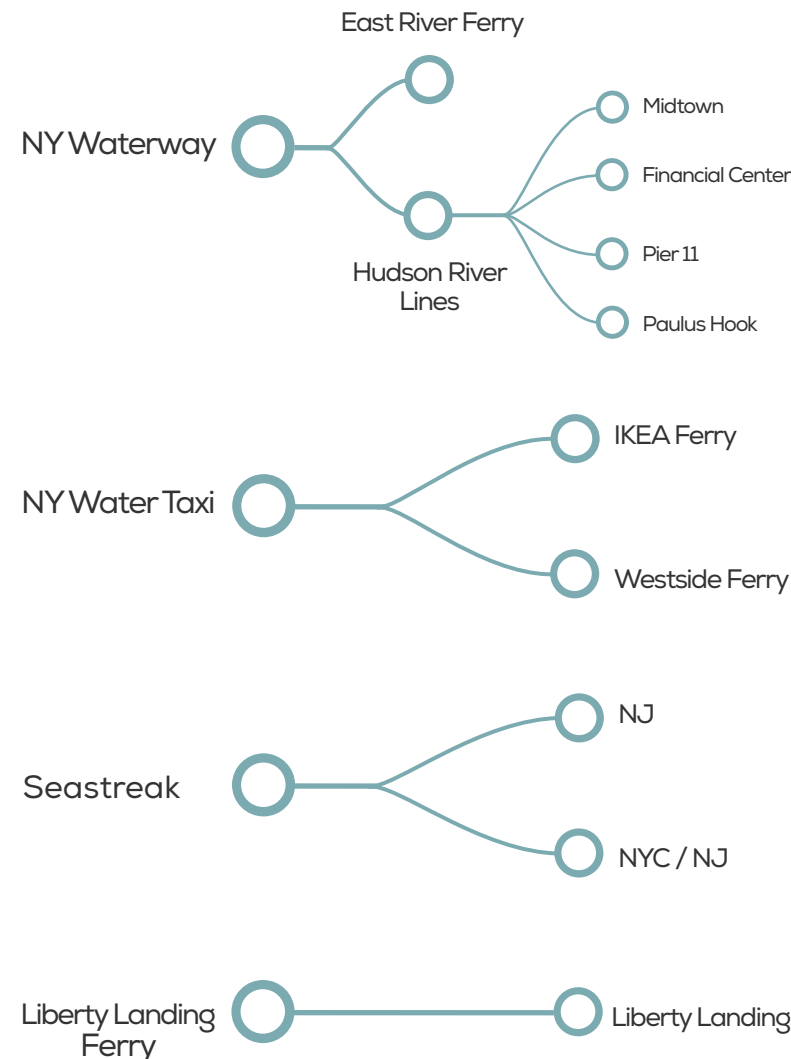
Entire New York City ferry network

| number routes | number vessels | annual ridership | ferry operators |
|---------------|----------------|------------------|-----------------|
| +20 | +70 | 30 mil | 4 |

Private ferry operators network size



Private ferry operators network



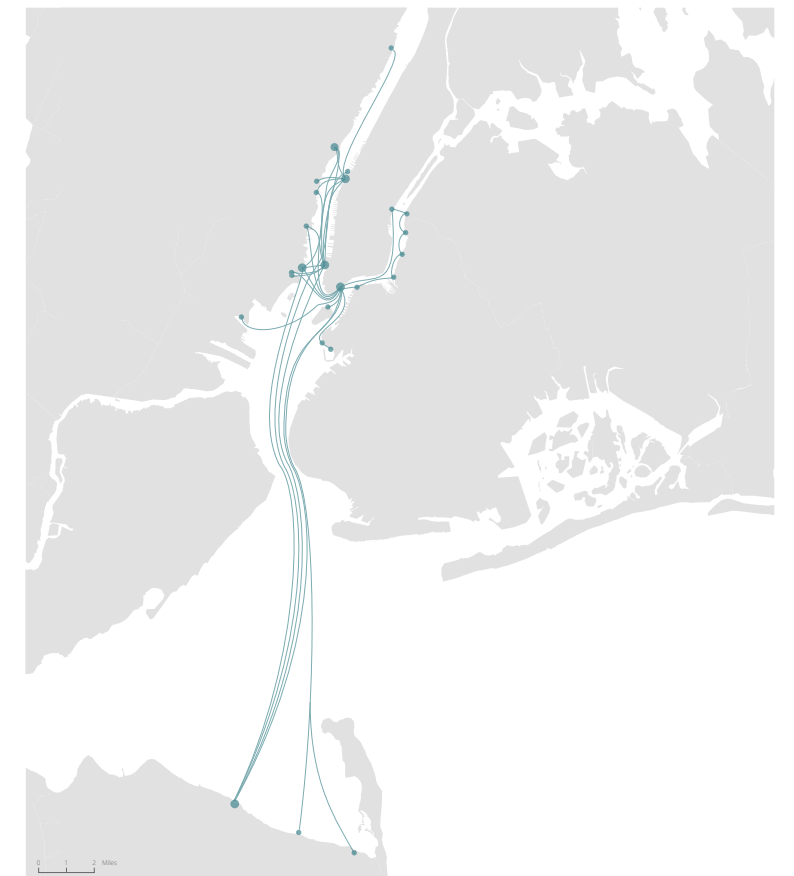
About privatized ferry systems in the new york city area

New York City has one of the largest and most robust transit networks in the world. This is in large part due to the wide variety of complementary modes of transit offered. Although often overlooked, privatized transit services help fill gaps within the transportation system. Of these, privatized ferry service is unique in that the service is waterborne, and as such, it cannot be easily replicated through other forms of transit.

Historically, ferries were the sole mode of transportation between the boroughs of New York City. Although ferry services in the region witnessed a sharp decline in the mid-20th century, the mode has since been revived through the establishment of a robust privatized ferry network. In 2011, ferry service in New York City was identified as the second largest ferry network in the world. Currently, four private companies offer varying ranges of ferry service in the region.

This study provides an overview of privatized ferry service in New York City in order to understand its significance as a complementary mode of transit. As such, a descriptive analysis of the current state of ferry routes in the New York City area is offered. An analysis of the demographics of block groups with 1/2 mile of ferry landings is also included in cases where ferry commuters were identified as living and / or working within close proximity of ferry landings.

Privatized ferry routes & landings in the new york city area



NY WATERWAY | Hudson River Routes

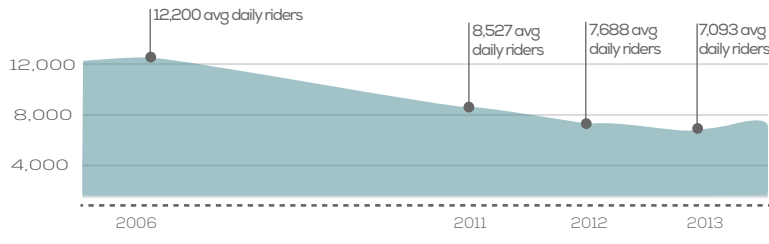


Sources : NY Waterway / NYC EDC 2013 Citywide Ferry Study / NJTPA Ferry Customer Study Report 2014

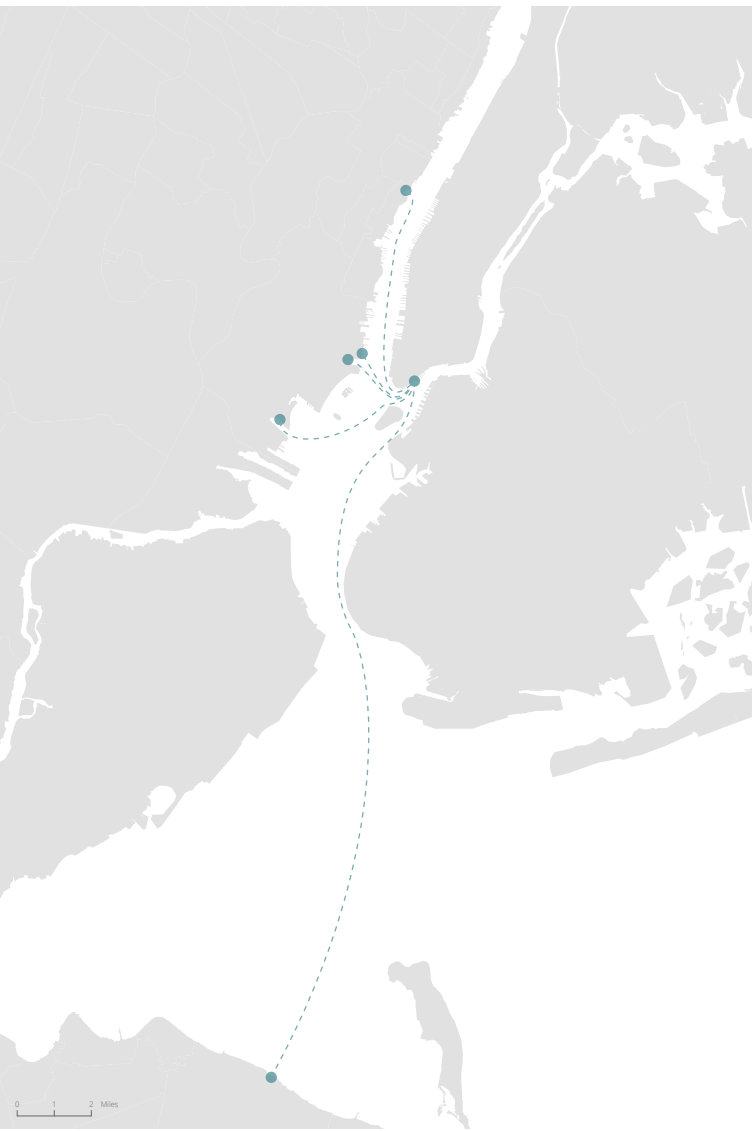
NY Waterway Fares

| number routes | avg daily ridership | num terminals | number vessels |
|---------------|---------------------|---------------|----------------|
| 4 | 30k | 13 | 34 |

Pier 11 Ferry Ridership // average daily weekday ridership 2006 - 2013*



Pier 11 Ferry Routes



* does not include data for belford stop

About NY Waterway

New York Waterway is the largest ferry operator in New York City. They operate four Hudson River ferry lines, the East River Ferry, and two lines in Hudson Valley, New York. New York Waterway was established by Arthur E. Imperatore in 1986, with a line connecting Port Imperial in New Jersey to Midtown West Manhattan. The introduction of the line sparked a rise in privatized ferry service in New York City. Since then, the NY Waterway Hudson River ferry routes have grown dramatically and offer an alternative mode of transit for commuters to and from New Jersey and Manhattan. A recent NJPTA study identified that the majority of NY Waterway Hudson River line commuters ride transit or drive to the ferry landings. As such, this study does not attempt to analyze demographic information about NY Waterway Hudson River line riders.

NY Waterway Ridership and Stats



NY WATERWAY | Hudson River Routes



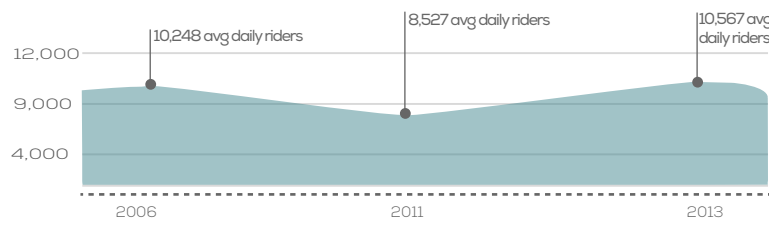
NY Waterway Single-Ride Fares

| | | | |
|----------------|--------------------|-------------------|-------------|
| single weekday | single bike charge | children under 12 | seniors 62+ |
| \$21.50 | \$3 | free | \$17.50 |

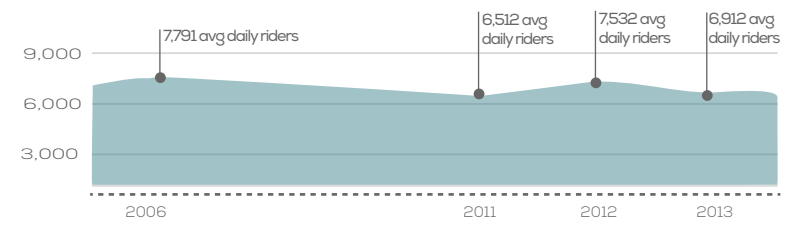
NY Waterway Multi-Ride Fares

| | | | |
|------------|--------------|--------------|-----------------|
| 7-day pass | 10 trip pass | monthly pass | student monthly |
| \$200 | \$207 | \$642 | \$480 |

Midtown Ferry Ridership // average daily weekday ridership 2011 - 2013



WFC Ferry Ridership // average daily weekday ridership 2006 - 2013*



Midtown Ferry Route



World Financial Center Route



Sources : NY Waterway / NYC EDC 2013 Citywide Ferry Study / NJTPA Ferry Customer Study Report 2014

* does not include data for belford stop

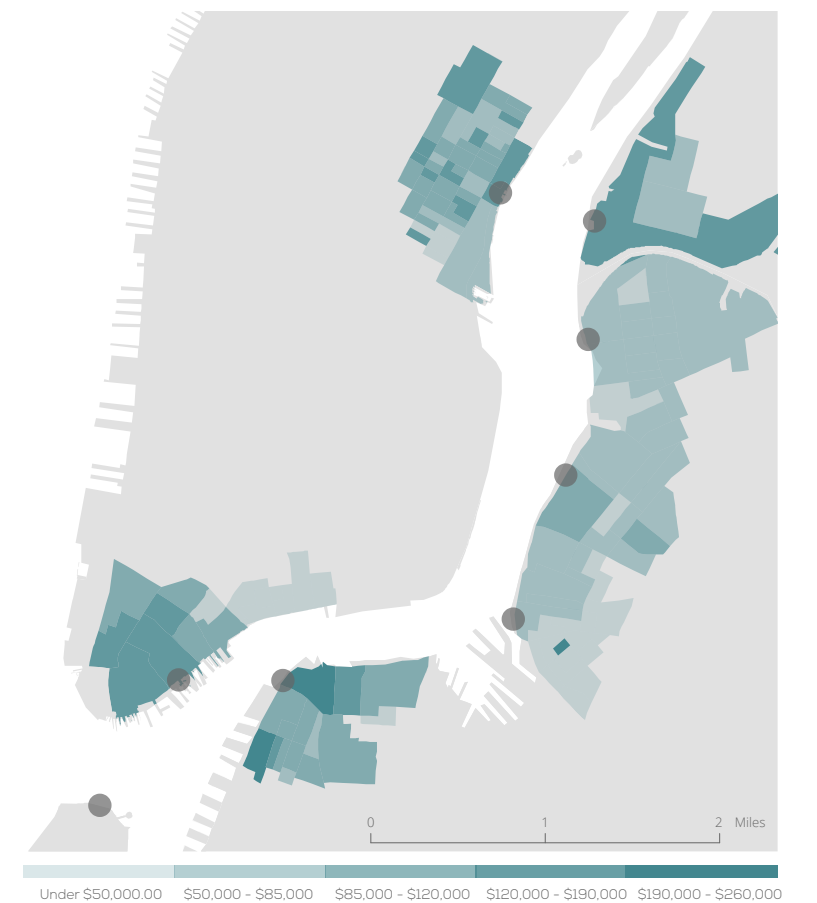
East River Ferry

About the East River Ferry

The East River Ferry was established in 2011 as a 3-year pilot ferry line along the East River. New York Waterway won the bid for the 3-year pilot program, and received a 9.3 million subsidy from the NYC EDC for duration of the program, or 3.1 million per year. In 2013, the contract was extended for an additional 5 years through 2019. New York Waterway will continue to receive 3.1 million per year for the remainder of the contract. A 2013 EDC study identified that the majority of commuting riders live and/or work within walking distance of the landings. As such, this study analyzes information regarding the block groups within 1/2 mile of ferry landings, in order to understand east river ferry ridership demographics.



Median Household Income of Block Groups



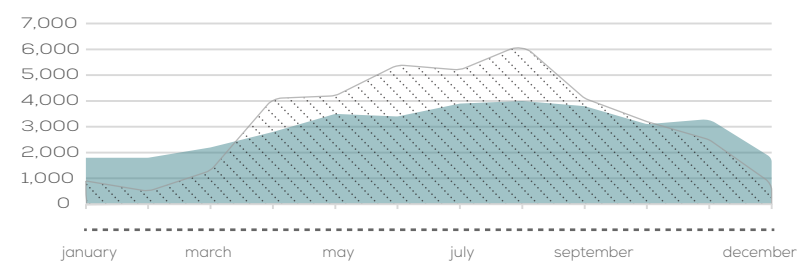
East River Ferry Fares

| single weekday | single weekend | all-day weekday | monthly pass |
|----------------|----------------|-----------------|--------------|
| \$4 | \$6 | \$12 | \$160 |

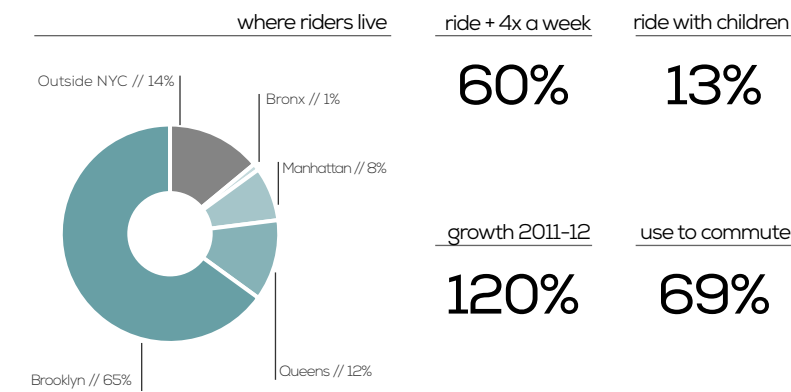
East River Ferry Ridership

| annual | daily weekday | growth 2011-12 | use to commute |
|---------|---------------|----------------|----------------|
| 1.2 mil | 3,250 | 120% | 69% |

average daily ridership by month, weekday vs weekend



NYC EDC East River Ferry Summer Survey (July 2012)



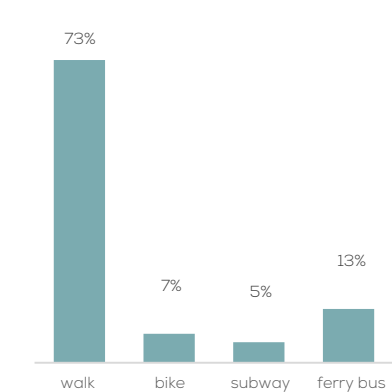
growth 2011-12

120%

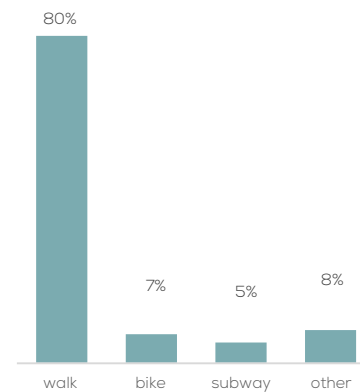
use to commute

69%

travel mode used from the ferry



travel mode used to get to the ferry



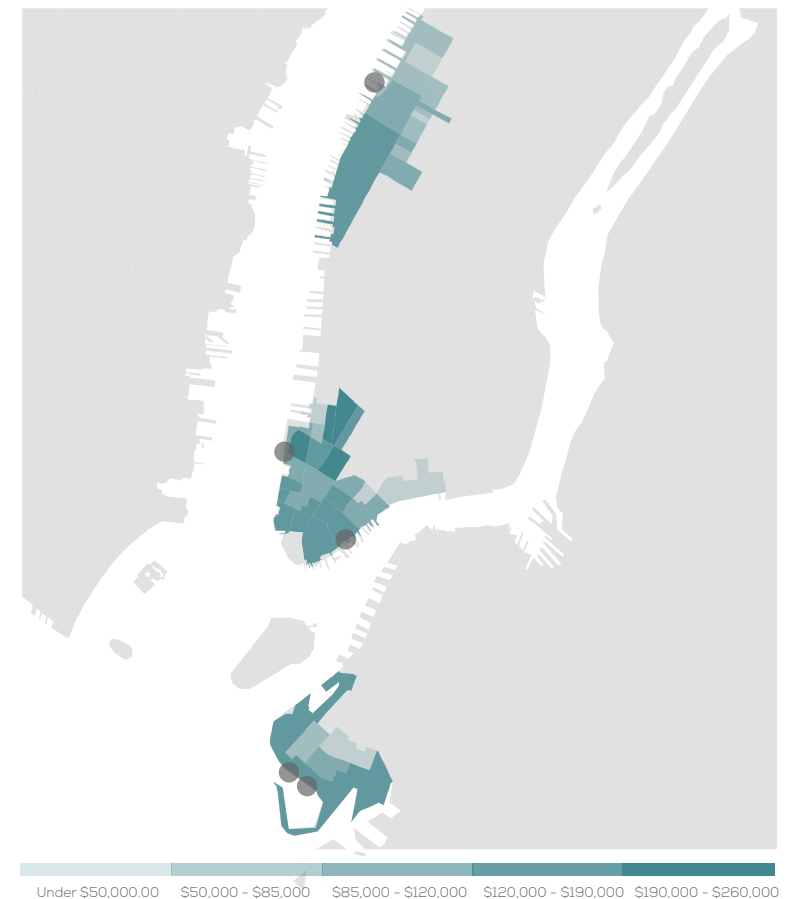
NY Water Taxi

About NY Water Taxi

NY Water Taxi hosts several site seeing boat tours, as well as two ferry lines that operate solely within the limits of New York City. The Red Hook ferry line was established in 2008 as part of a partnership with the IKEA retailer store. It began as a direct route between Pier 11 and IKEA, but expanded in 2014 to also include a stop at Van Brunt Street in Red Hook. Additionally, NY Water Taxi also established a Westside Commuter line in 2013. A 2013 EDC study identified that the majority of commuting riders live and/ or work within walking distance of the landings. As such, this study analyzes information regarding the block groups within 1/2 mile of ferry landings, in order to understand east river ferry ridership demographics.



Median Household Income of Block Groups

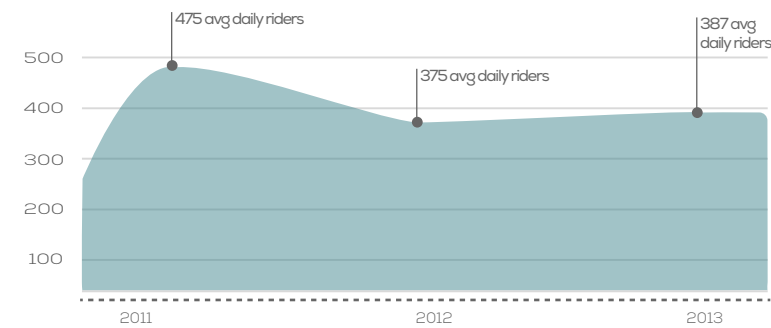


IKEA // Red Hook Ferry Line Fares, Ridership, and Schedule

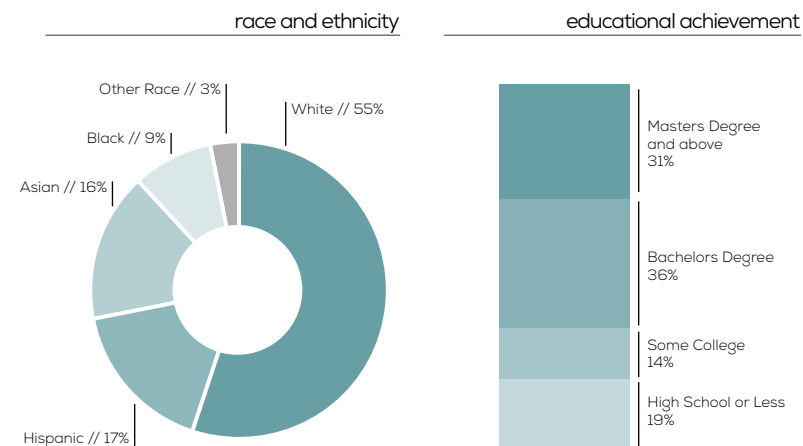
| single weekday | with Ikea purchase | single weekend | peak headway |
|--------------------------------------|--------------------|--------------------------------------|--------------|
| \$5 | free* | free | 40min |
| weekday service hours (from pier 11) | | weekend service hours (from pier 11) | |
| 2pm - 7:15pm | | 11:30am - 8:40pm | |

*ferry fare is reimbursed with \$10 or more ikea purchase

average daily weekday ridership by year, 2011 - 2013

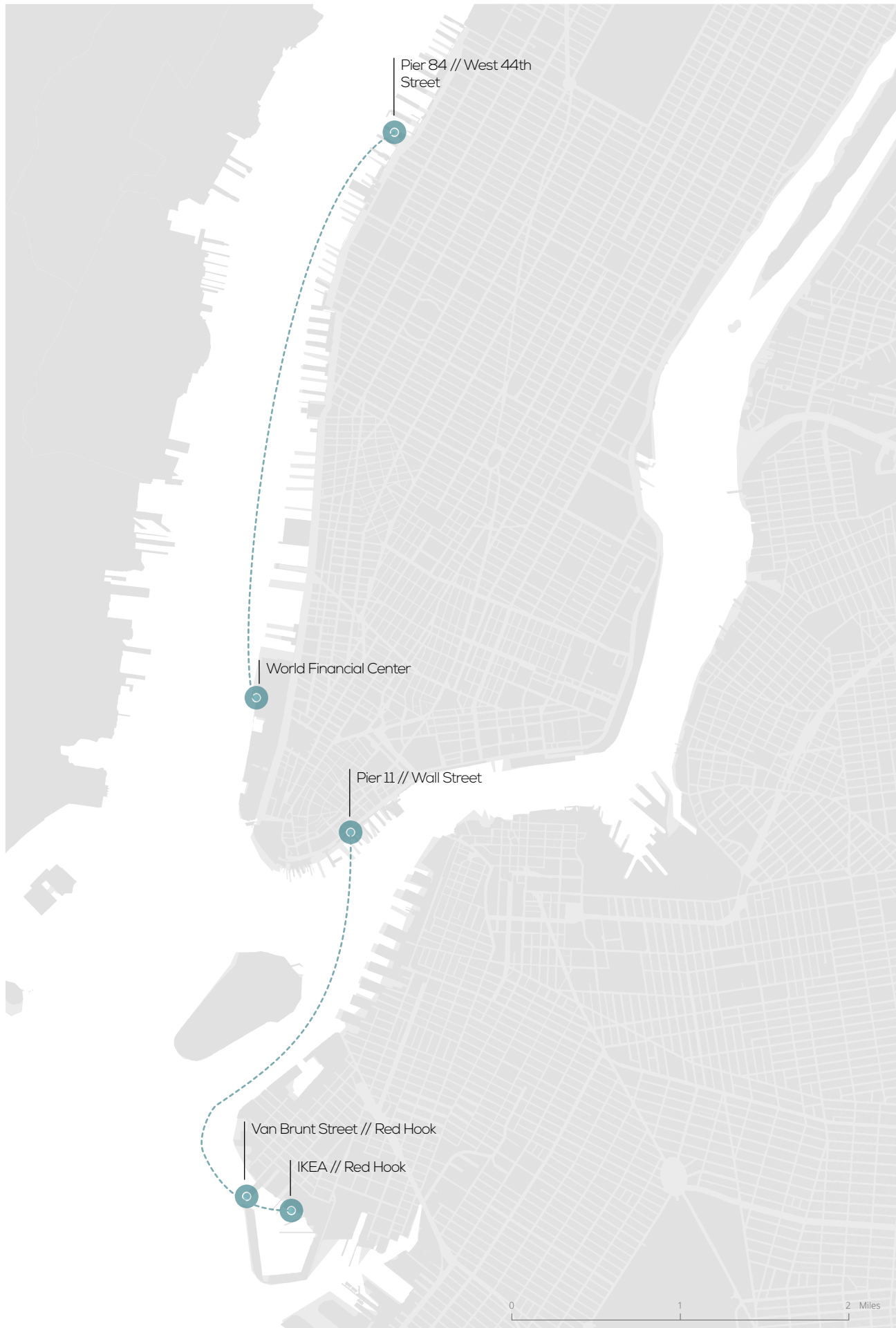


Demographics of Block Groups within 1/2 mile of Ferry Stops



Westside Commuter Ferry Line Fares & Schedule

| single way | round trip | weekly pass | monthly pass |
|-----------------|-----------------|-----------------|--------------|
| \$4.50 | \$8 | \$35 | \$125 |
| service times | am hours | pm hours | headway |
| monday - friday | from wfc 7:30-9 | from wfc 4:45-6 | 30 min |



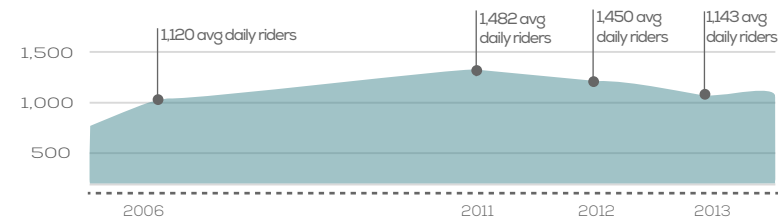
Seastreak



Seastreak

| nj one way fare | nj/nyc one way | nj/nyc 40 trip | nj/nyc 40 student |
|-----------------|----------------|----------------|-------------------|
| \$12 | \$26 | \$655 | \$480 |

average daily weekway ridership by year, 2006 - 2013



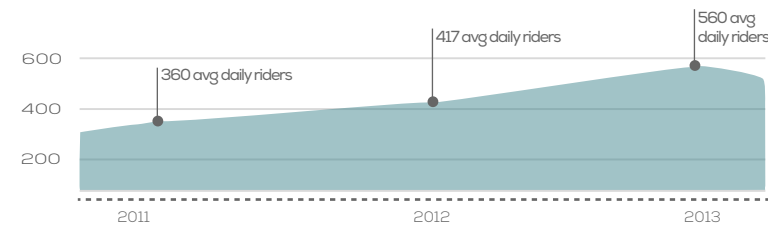
about seastreak

Seastreak operates two ferry lines in the New York City Area. Beginning in the summer of 2013, Seastreak also operated a seasonal Rockaway BAT ferry line, however, this service was terminated in 2014. In addition to its New York operations, Seastreak operates a seasonal ferry service (April through October) between New Bedford, Massachusetts and the ports of Oak Bluffs and Vineyard Haven on Martha's Vineyard.

Liberty Landing Ferry

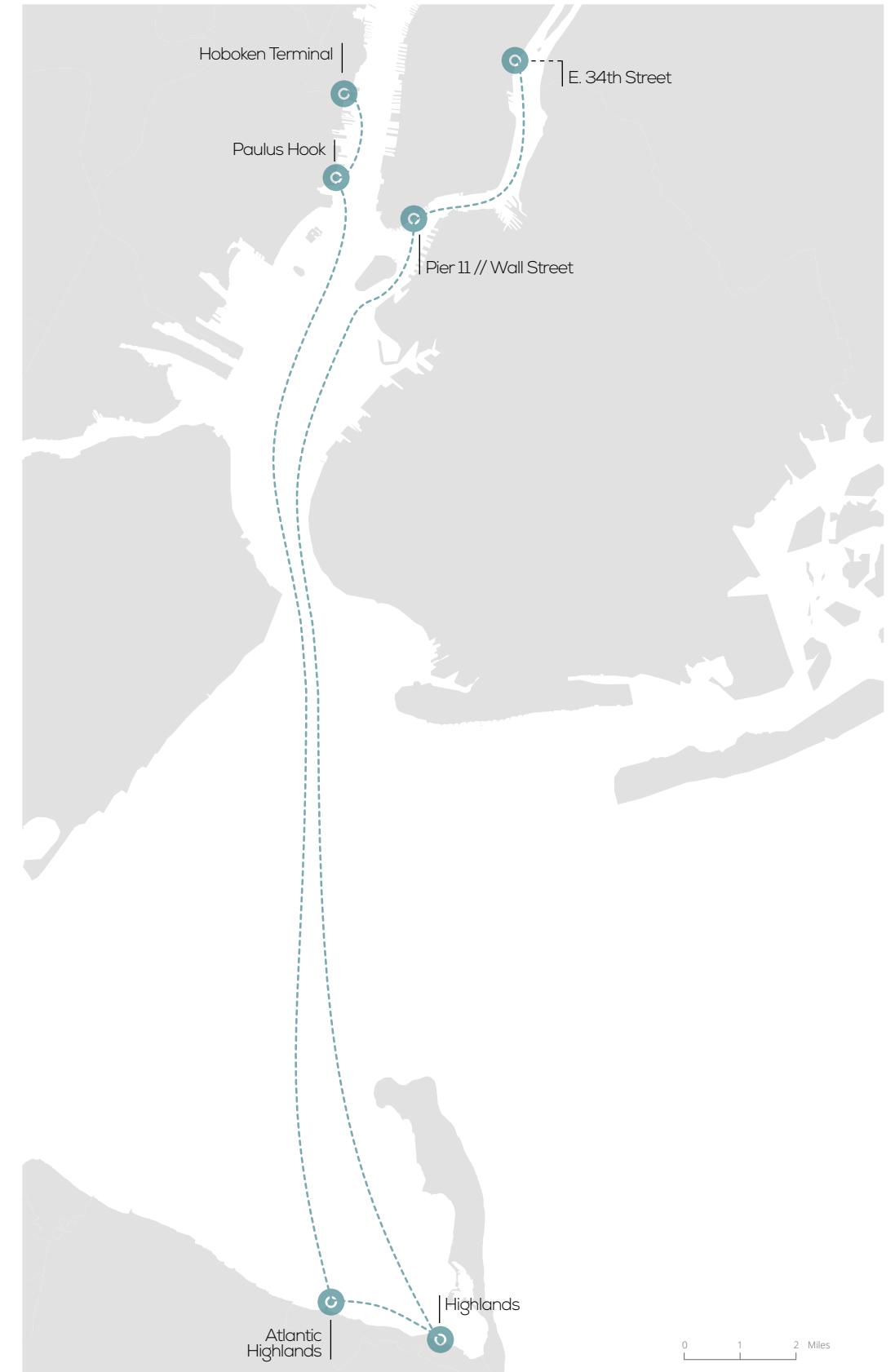
| on way fare | roundtrip fare | park to harbor | peak headway |
|-------------|----------------|----------------|--------------|
| \$7 | \$14 | \$2 | 30 min |

average daily weekway ridership by year, 2011 - 2013



about liberty landing ferry

Liberty Landing Ferry, owned by the Hornblower Company, operates a single commuter ferry route connecting the Liberty State Park and Liberty Harbor in New Jersey to the World Financial Center in Manhattan. The service operates between 6 AM to 9 PM on weekdays, and 9 AM to 8 PM on weekends with a 30-minute headway.



Sources: Liberty Landings Ferry / Seastreak / NYC EDC 2013 Citywide Ferry Study

Liberty Landing