

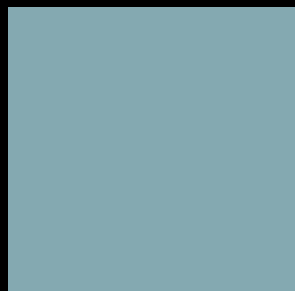
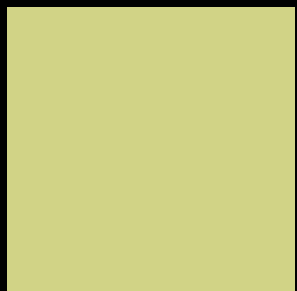
color

value intensity hue

value
light to dark

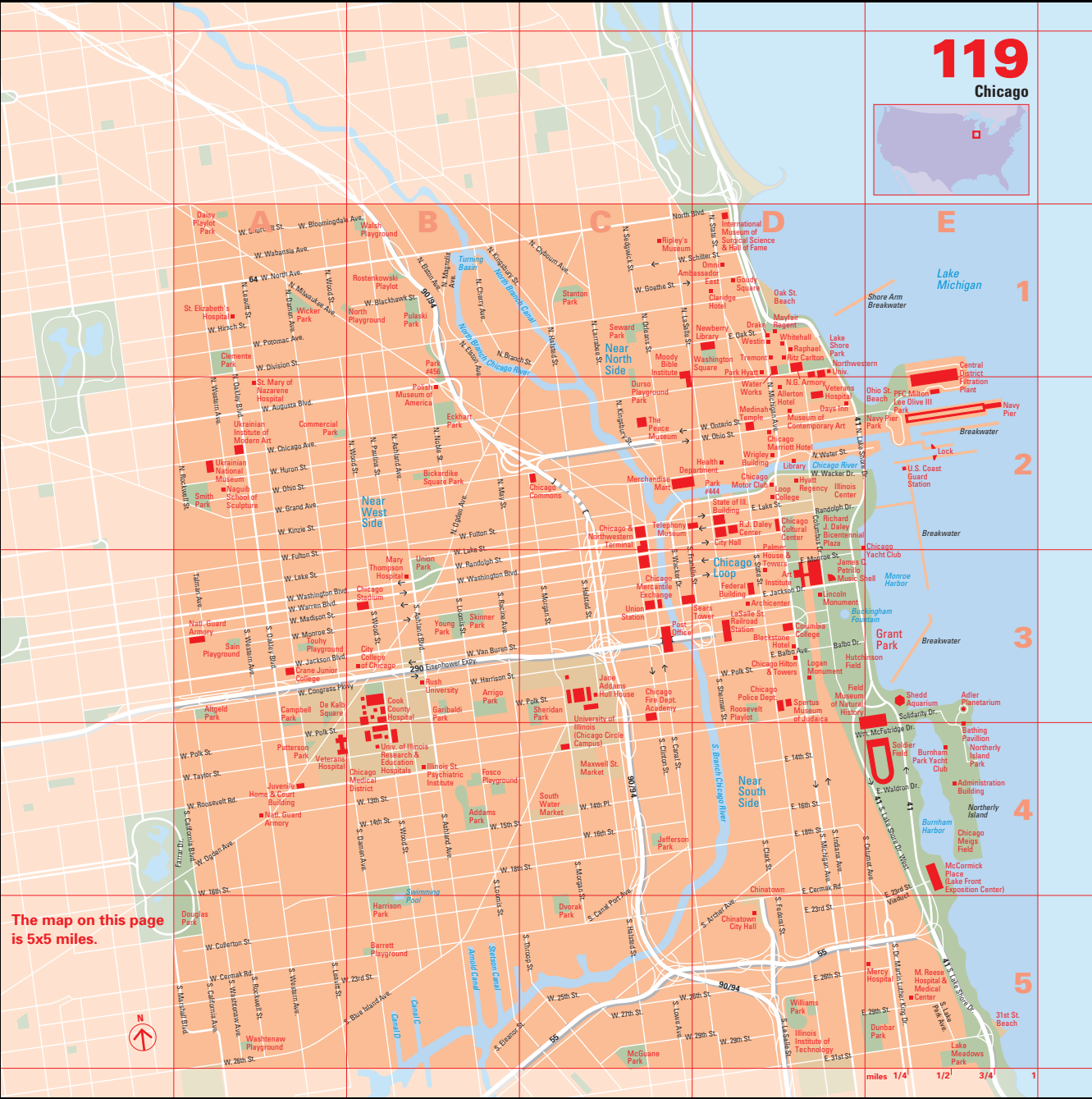


value
light to dark



119

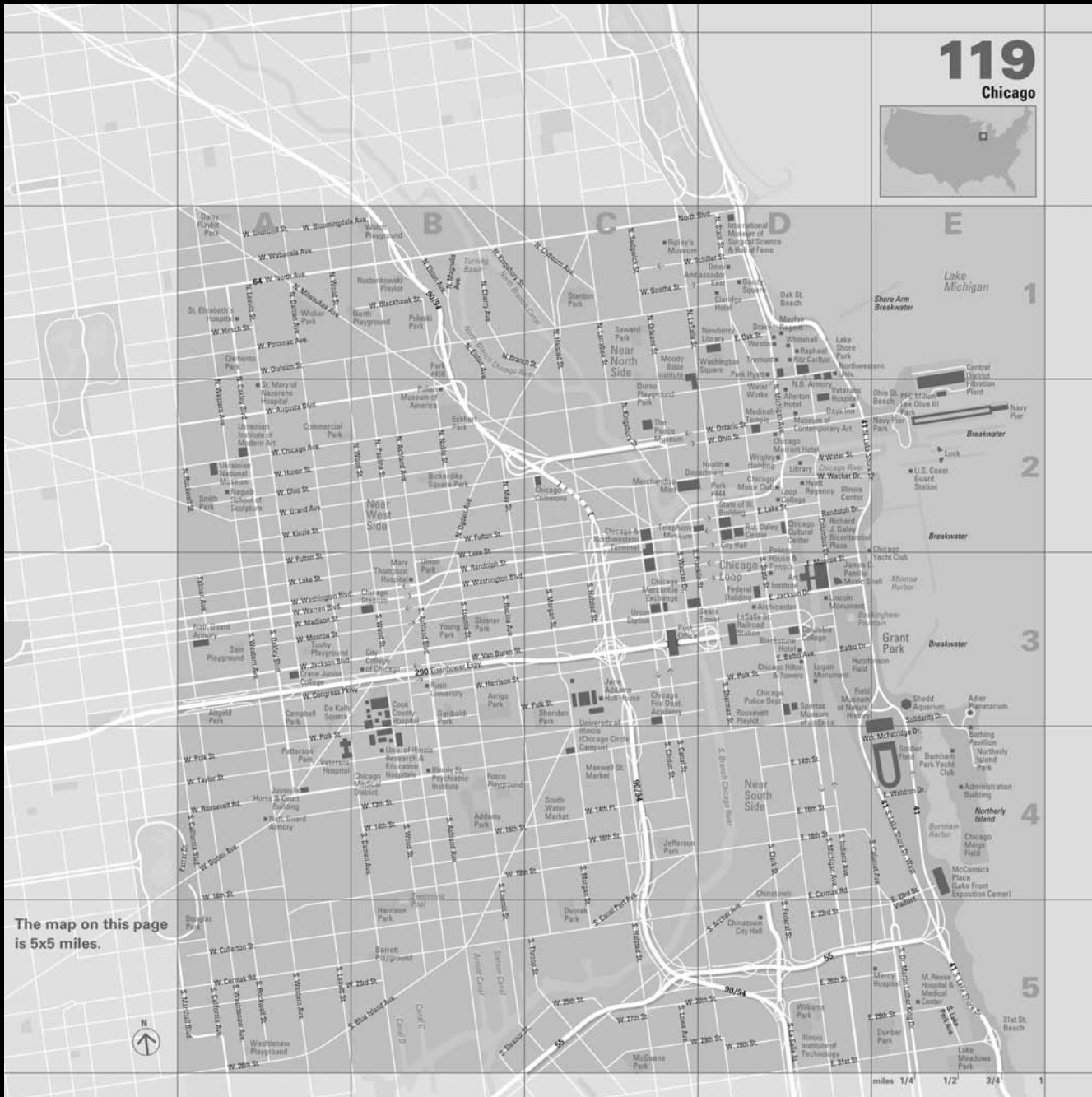
Chicago



The map on this page is 5x5 miles.



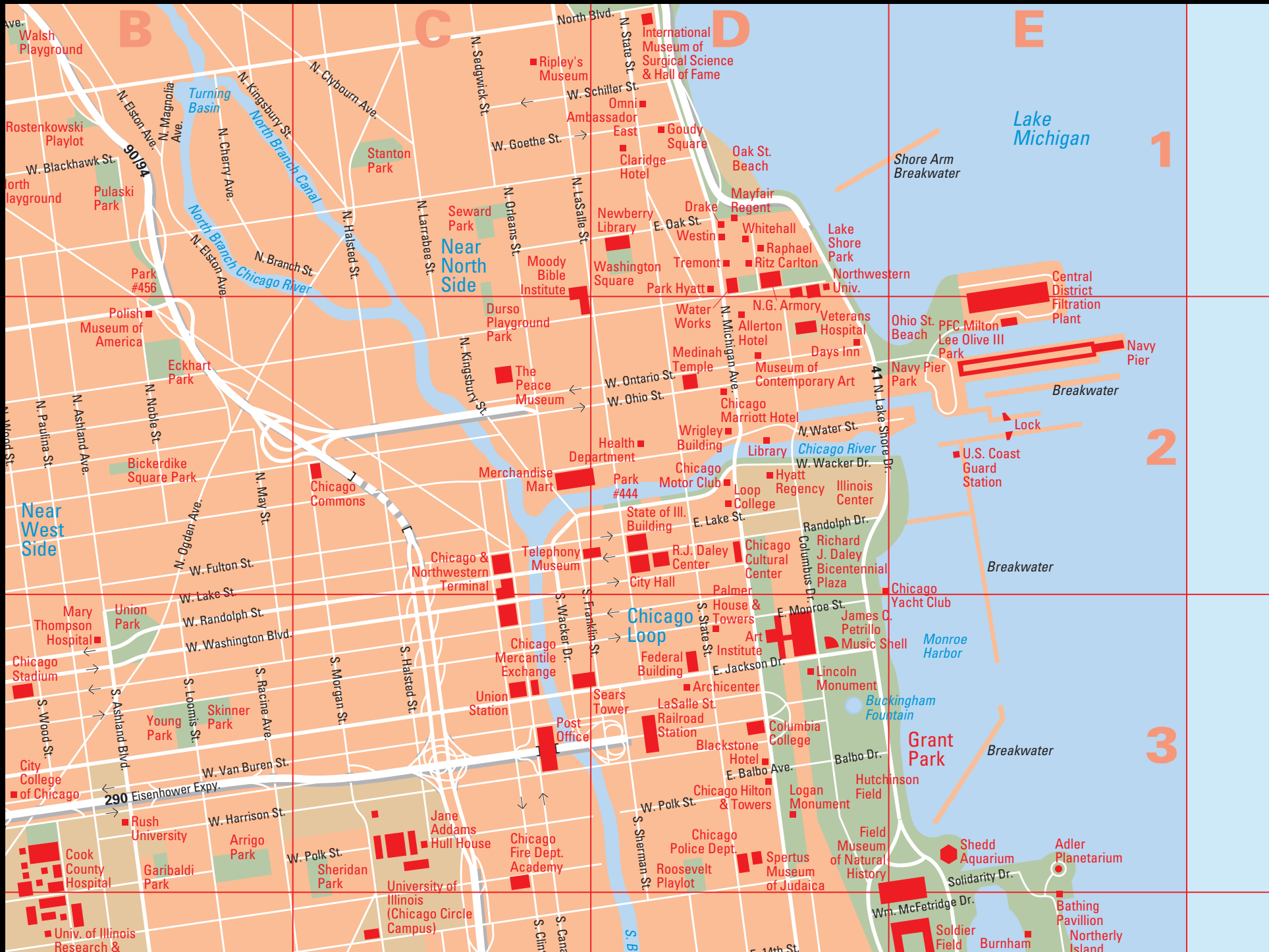
miles 1/4 1/2 3/4 1



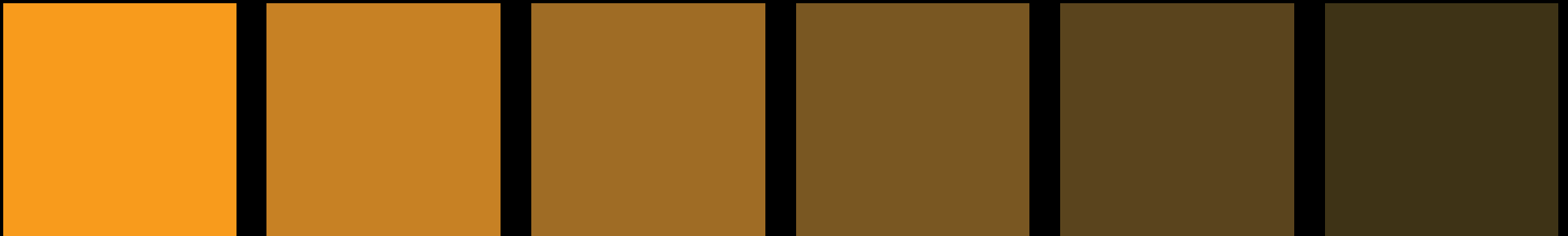
The map on this page is 5x5 miles.



miles 1/4 1/2 3/4 1



intensity
bright to dull





Parking

North Hill

← to Hollywood

Parking

Arcadia

101 Hollywood Frwy

Aliso

Parking

El Pueblo de Los Angeles Historic Park

Restrooms

Restrooms

Olvera Street

Father Serra Park

Union Station

Post Office

Macy

Rosa Bell

New High

North Spring

North Broadway

Sunset

Alameda

Spring

Temple

th Main

2

5

4

8

6

10

7

9

1

3

The New Haven Line

a guided tour

Grand Central
125th Street
Fordham
Mount Vernon
Pelham
New Rochelle
Larchmont
Mamaroneck
Harrison
Rye
Port Chester



Greenwich
Cos Cob
Riverside
Old Greenwich
Stamford
Noroton Heights
Darien
Rowayton
South Norwalk
East Norwalk
Westport
Green's Farms
Southport
Fairfield
Bridgeport
Stratford
Milford
New Haven

North varies from 30 to 67 degrees on the map below to accommodate the linear route



0 miles

Average speed of the train is 60-65 mph with 90 mph the maximum speed

5 miles

The Railroad

The four components of a railroad:

- 1 Human organization
- 2 Rolling stock: engine, cars
- 3 Fixed plant: track, right of way, bridges and buildings
- 4 Financial structure



The Pierpont Morgan Library, a beautiful neo-Italian Renaissance building, houses rare books, drawings, prints and manuscripts collected by the financier and railroad tycoon J. P. Morgan

After emerging from the tunnel at 97th street, one can catch fleeting glimpses of Central Park from the train along street intersections.



The Harlem River was once a busy ship canal; today the drawbridge is maintained but seldom used. Before the Harlem River was dredged out, Manhattan was not an island.



New Amsterdam, founded in 1615, was renamed New York fifty years later after the Duke of York. Now our most populated city, New York has a density of 52,378 people per square mile (or about 1.88 persons per square foot).

The old Grand Central Station was one of the great buildings of New York City last century. Today we use Grand Central Terminal completed in 1913. Though originally handling many long-distance trains, it is now strictly a commuter station with New Haven and Poughkeepsie as the farthest destinations.



Before a roof was built over the recessed railroad lines, the land along Park Avenue was inhabited by shanties of squatters who herded goats, slaughtered pigs, and scavenged coal dumped by locomotives. After the coal smoke and soot were eliminated through the railroad's electrification project, Park Avenue blossomed into an important commercial center. Under its pavements today, the railroad carries 185,000 commuters.

Legend

Contexte are withi

Mileage fr Terminal

Approxim (see indiv for the m

Those ph lines leadi views that your train

"Neither other An steel hig handsom every de of its tra New York, N

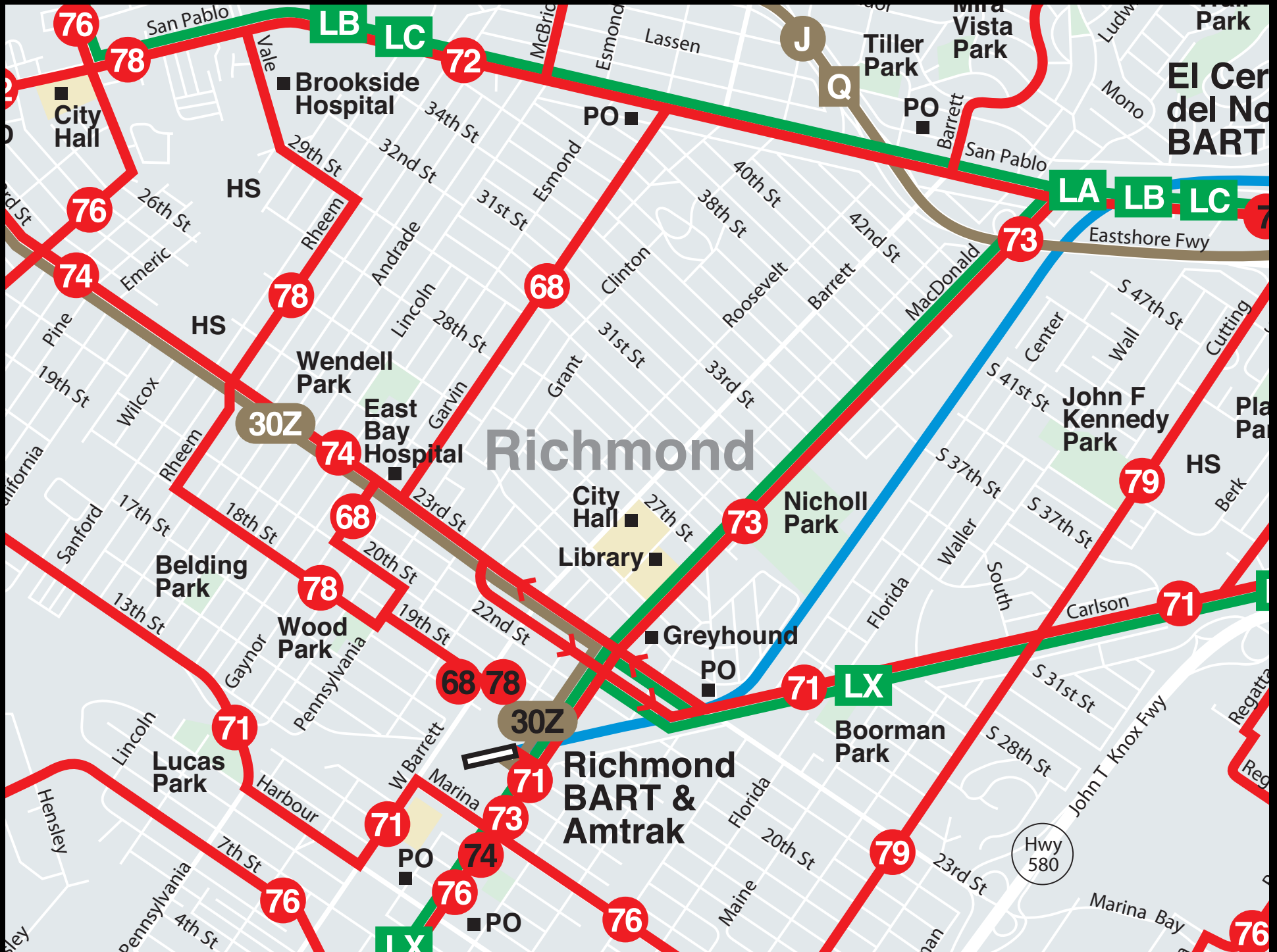


AC Transit Basic Route Map

Alameda-Contra Costa Transit District

	East Bay AC Transit Line		68 Round bullet: Regular hours in operation
	Transbay to San Francisco AC Transit Line		G Square bullet: Commute-hour only
	BART Line & Station		61 Black numeral: Beginning/end of route
	BART Express Bus/ SanTrans/ Santa Clara County Transit	JH	Junior High
	Arrow: Bus operates in one direction	HS	High School
		SC	Shopping Center
		PO	Post Office





SCIENCE

Lights of Madness

For the first time, researchers isolate the venues of hallucination deep inside the brain. Mainly, they suggest, it's a wiring problem

BY SHARON BEGLEY

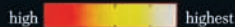
HOW HORRIBLE!" screamed one voice. "Don't act stupid," warned another. Such voices are the familiar, and unshakable, companions of the group of schizophrenics who volunteered for a pathbreaking study. Like unwanted kibitzers at a bridge game, the voices inside the men's heads comment on their every thought and deed. But this time the voices were mouthing off in the presence of neuroscience's version of a hidden camera: the brain-imaging machine called Positron Emission Tomography (PET). Last week an international team including David Silbersweig and Emily Stern of Cornell Medical Center in New York and colleagues in London announced results of the first clinical study using PET in an unprecedented way. PET had caught six schizophrenics in the act of hallucinating, something never before captured on a brain scan. Their results, reported in the journal *Nature*, "pinpoint [brain] structures implicated in schizophrenia," says neuroscientist Monte Buchsbaum of the Mount Sinai School of Medicine in New York—and may one day suggest new treatments for the devastating disease that strikes more than 2 million Americans.

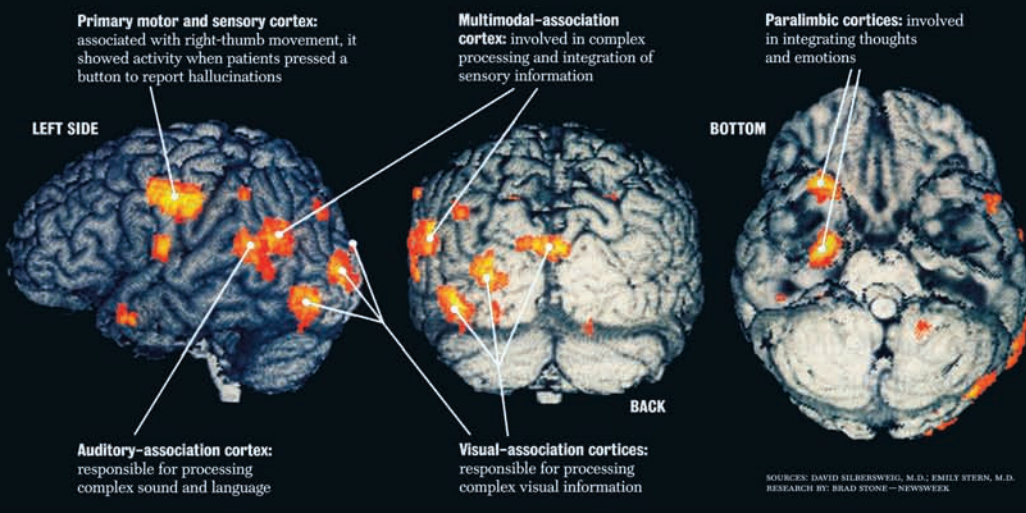
Schizophrenia, from the Greek words for "split" and "mind," is marked by disordered thought, social withdrawal and hallucinations (though not the "split personality" its etymology implies). One 23-year-old man in the PET study regularly saw vivid scenes—in living color and full motion—of rolling, disembodied heads that ordered him around. To spy on what the brain was doing during such hallucinations, the researchers had six patients take turns lying in the PET scanner, where they were told to relax and close their eyes. Whenever a voice piped up, and again

Road Map of the Schizophrenic Brain

A new way of analyzing the brain images generated by PET scans allows neuroscientists to capture such involuntary, ephemeral events as the hallucinations of a schizophrenic. This scan shows a patient at the very moments he saw rolling, disembodied heads and heard them barking orders to him. The bright areas pinpoint regions of heightened neural activity—and provide a cartography of this mental illness.

Scale: shows degree of significance of activity during hallucination

high  highest



when it stopped, the patient pressed a button with his right thumb to alert the researchers. PET measures blood flow in various regions of the brain. Blood flow marks neuronal activity. Traditional PET scans, which require that a mental state (such as concentrating on a math puzzle) be maintained for several minutes, cannot capture such transient and involuntary events as hallucinations. With the new PET, explains Silbersweig, who with Stern invented a novel technique of analyzing PET images three years ago while at Hammersmith Hospital in London, "we can capture these ephemeral events with a high degree of sensitivity, even if they last only seconds."

Where and how the brain light up during hallucinations offers a sort of cartography of schizophrenia, and neuroscientists are all vying to be its Magellan. In the PET study, hallucination were marked by ac-

tivity in areas deep in the brain, running from behind the forehead down toward the spinal cord. Normally these regions, with names like thalamus, hippocampus and striatum, are involved in generating the life of the mind, sometimes out of sights, sounds and memories but often out of other mental activity. They may create the often bizarre images in dreams, too, in response to little electrical tickles from deeper in the brain. The regions also integrate current and past experiences, draw-

ing together a perception (the sight of a shadowy figure) with a memory (the last time I walked this way ...) and a feeling (uh-oh). Based on the structures that switched on during hallucinations, it seems that at least some of the roots of schizophrenia may lie in a wiring problem deep inside the brain.

Equally striking was what did not light up in the 20-plus PET scans of each patient: the part of the brain that monitors thoughts and actions. This prefrontal lobe

may act as a "reality check," says Buchsbaum, a PET-scan pioneer. "In schizophrenics the prefrontal lobe is not checking images against sensory information and memory" to determine whether they are real, imagined or hallucinated, he says. Perhaps it is this failure of the prefrontal cortex that makes schizophrenics confuse internally generated voices with, for instance, the voice of God or a CIA transmitter. "The brain," explains Silbersweig, "is creating its own reality."

The finding does not have any immediate implications for treatment, but by deepening researcher's basic understanding of the disease it may have some eventually. Buchsbaum, for instance, suggests that "this finding could indicate that the defect in schizophrenia is not just chemical"—the assumption behind the standard drug regimen. That may be why none of the five schizophrenics in the study taking medication was helped by it (the sixth patient had never been on medication). The PET results suggest that whole new treatments may be needed. If the aberrant circuit identified by the scans are a true cause of schizophrenia, it may even be possible to treat patients surgically.

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'Don't Act Stupid,' Scolded the Voice

In these composite images of the brains of five schizophrenics, a PET scan identifying regions that became active when imaginary voices were heard is superimposed on an MRI showing brain structures. When the patients heard voices, networks deep within the brain lit up. These networks usually generate mental activity and integrate perceptions, emotions and memories.

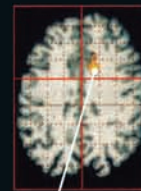
Ventral striatum: modulates the circuits of the brain involved in emotions



Hippocampus and parahippocampal gyrus: brings together current and past experiences and emotions



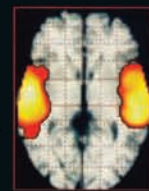
Thalamus: modulates the patterns of brain activity associated with thought and perception



Anterior cingulate gyrus: involved in attention, motivation and initiation of actions

The Normal Brain

This composite brain scan of five healthy volunteers shows which areas of the brain became active when they heard actual voices. The auditory cortex, which processes sound, lit up. Deep networks of the brain that seem to generate the voices schizophrenics hear remain quiescent.



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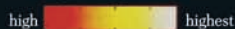
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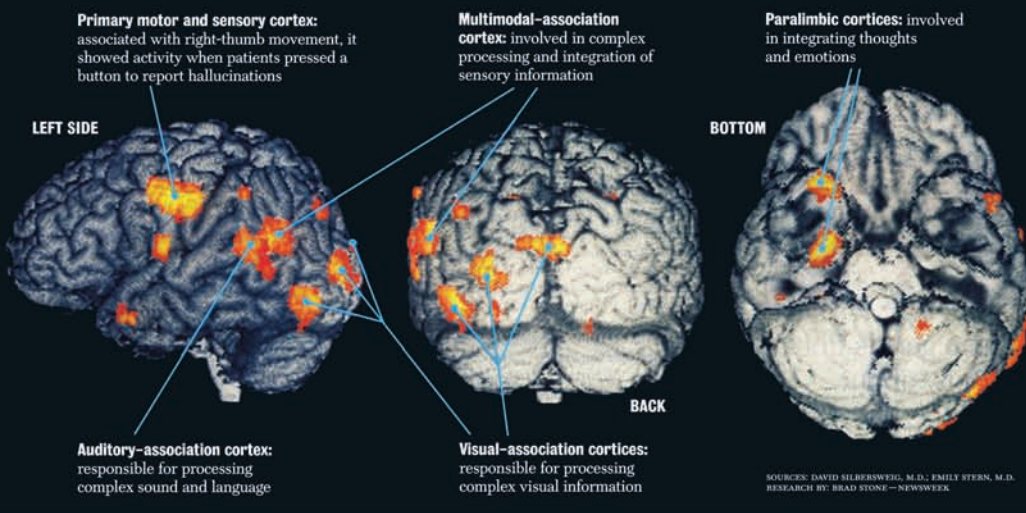
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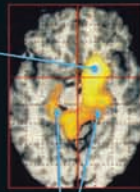
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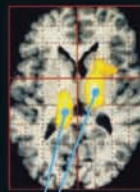
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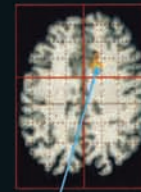
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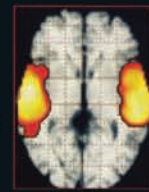
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The Normal Brain

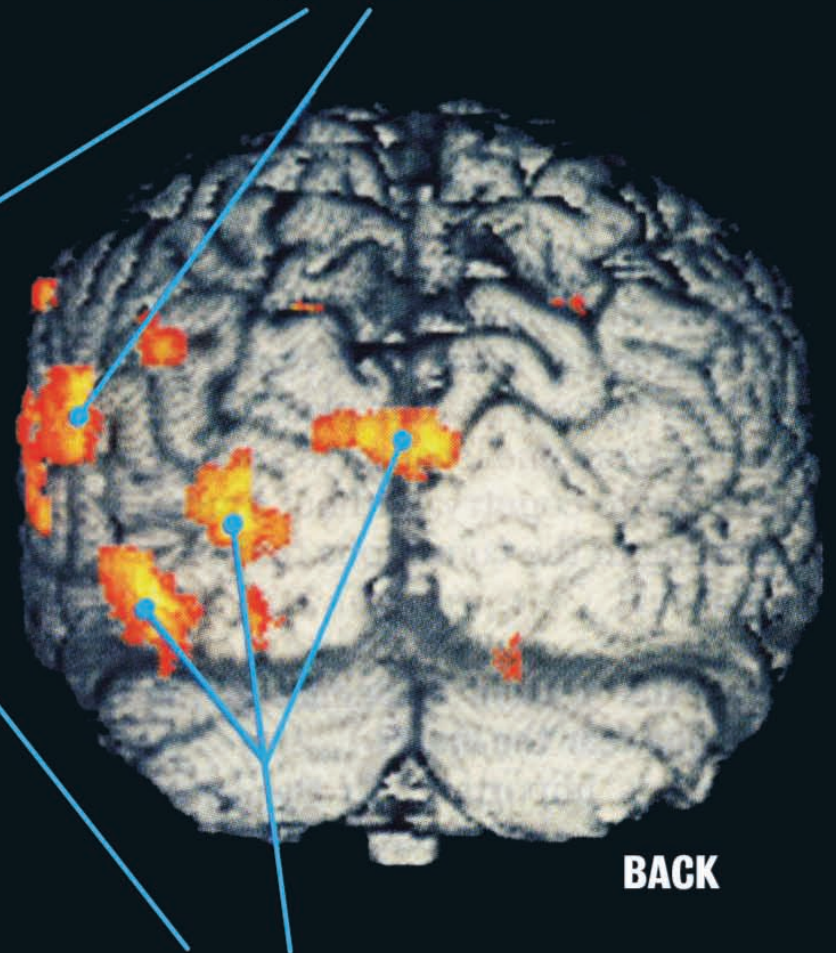
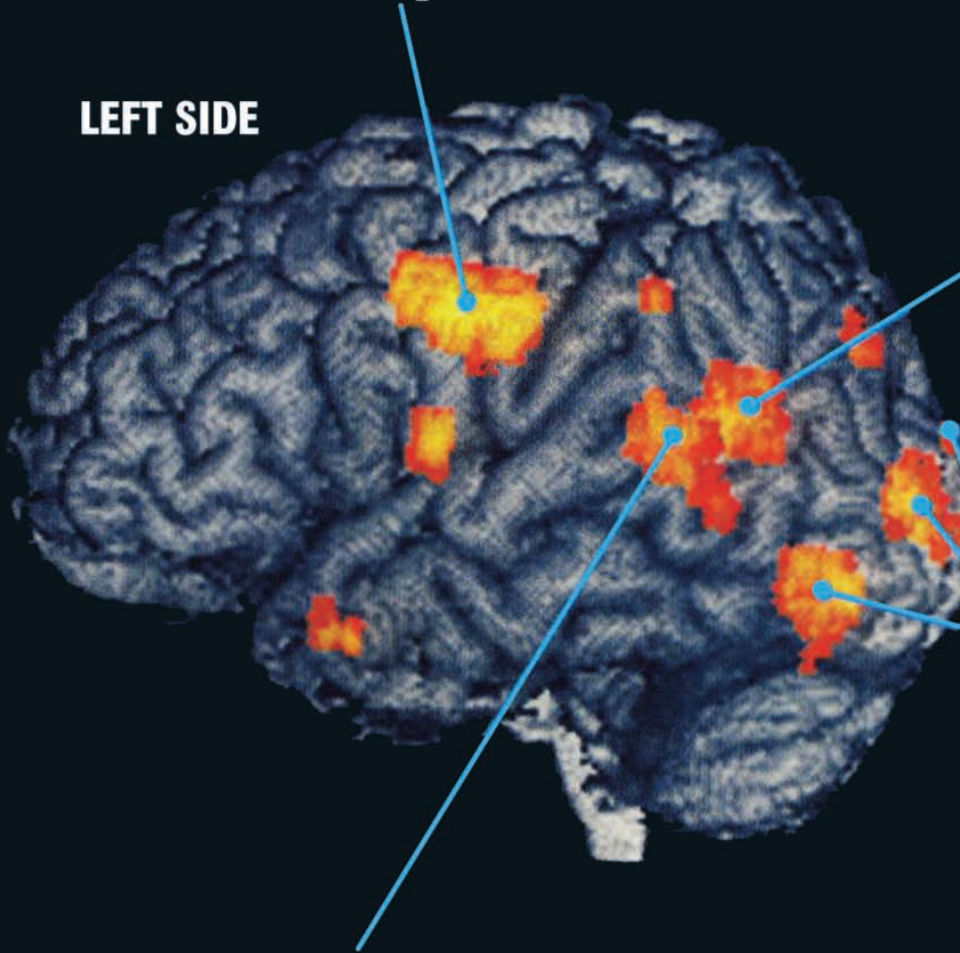
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Primary motor and sensory cortex:
associated with right-thumb movement, it showed activity when patients pressed a button to report hallucinations

Multimodal-association cortex: involved in complex processing and integration of sensory information

LEFT SIDE

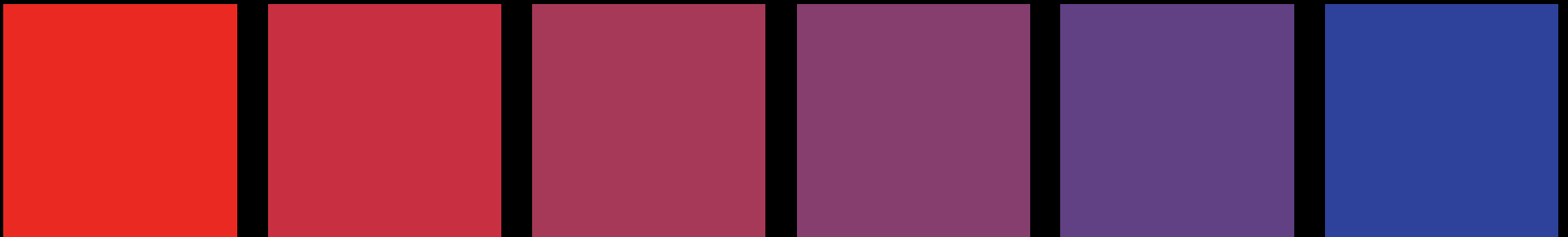


BACK

Auditory-association cortex:
responsible for processing complex sound and language

Visual-association cortices:
responsible for processing complex visual information

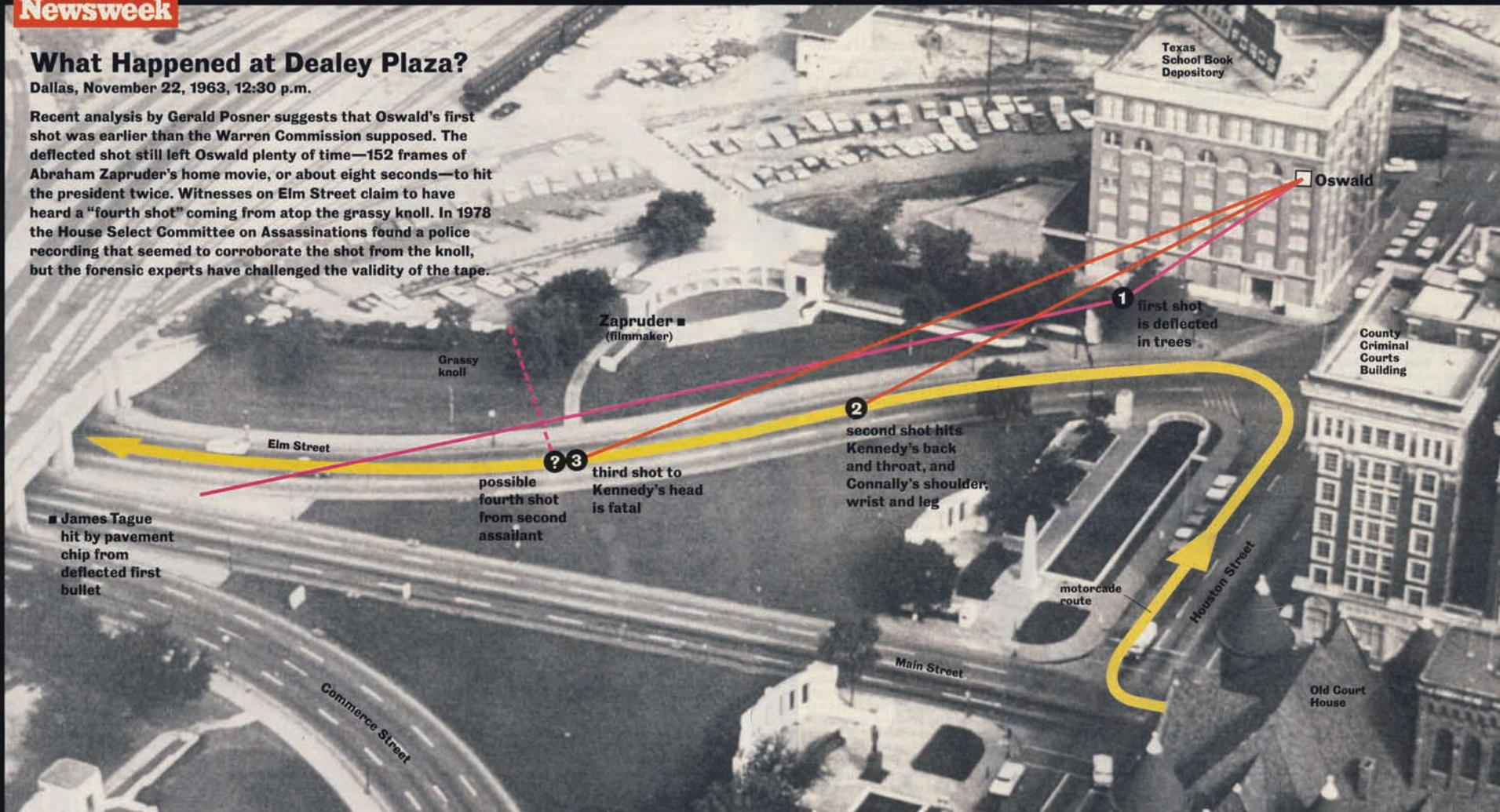
hue
warm to cool



What Happened at Dealey Plaza?

Dallas, November 22, 1963, 12:30 p.m.

Recent analysis by Gerald Posner suggests that Oswald's first shot was earlier than the Warren Commission supposed. The deflected shot still left Oswald plenty of time—152 frames of Abraham Zapruder's home movie, or about eight seconds—to hit the president twice. Witnesses on Elm Street claim to have heard a "fourth shot" coming from atop the grassy knoll. In 1978 the House Select Committee on Assassinations found a police recording that seemed to corroborate the shot from the knoll, but the forensic experts have challenged the validity of the tape.



1 Shot 1
0 seconds



shooter's view



Zapruder frame 161

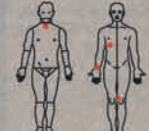
2 Shot 2
3.5 seconds later



shooter's view



Zapruder frame 235



Kennedy Connally

3 Shot 3
8.4 seconds after first shot



shooter's view

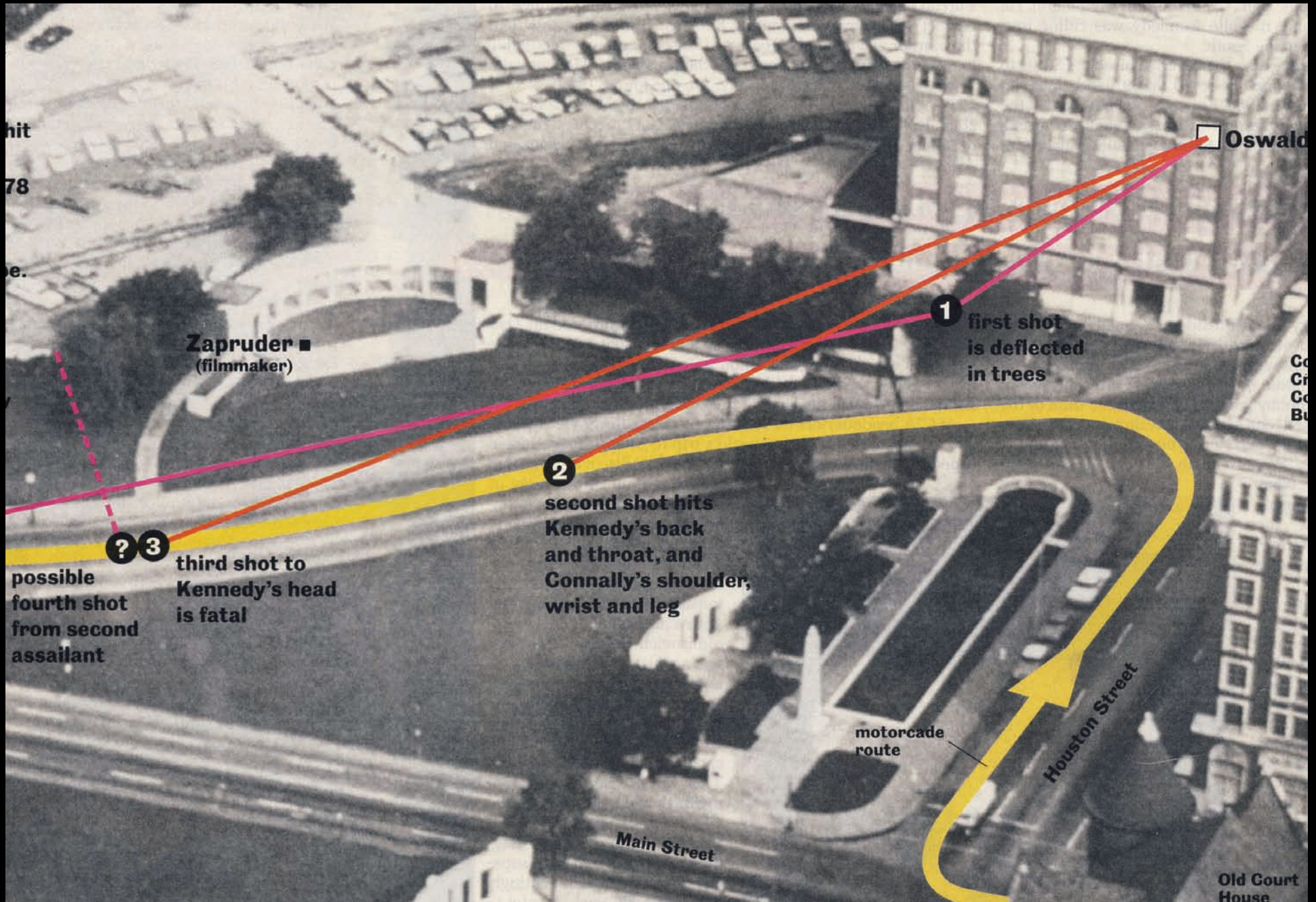


Zapruder frame 313



Kennedy

DEALEY PLAZA PHOTO: TEXAS SCHOOL BOOK DEPOSITORY
 RE-ENACTMENTS: NATIONAL ARCHIVES
 BODY SKETCHES: WARREN COMMISSION
 ZAPRUDER FILM: COPYRIGHT 1967 EMMI CO. CIVIL JAMES LOREN SLYVBERG, INQUIRY: WASHINGTON, D.C. 205-534-7000. ALL RIGHTS RESERVED.



hit
78
e.

Zapruder ■
(filmmaker)

□ Oswald

1 first shot
is deflected
in trees

2 second shot hits
Kennedy's back
and throat, and
Connally's shoulder,
wrist and leg

? 3 third shot to
Kennedy's head
is fatal
possible
fourth shot
from second
assailant

motorcade
route

Houston Street

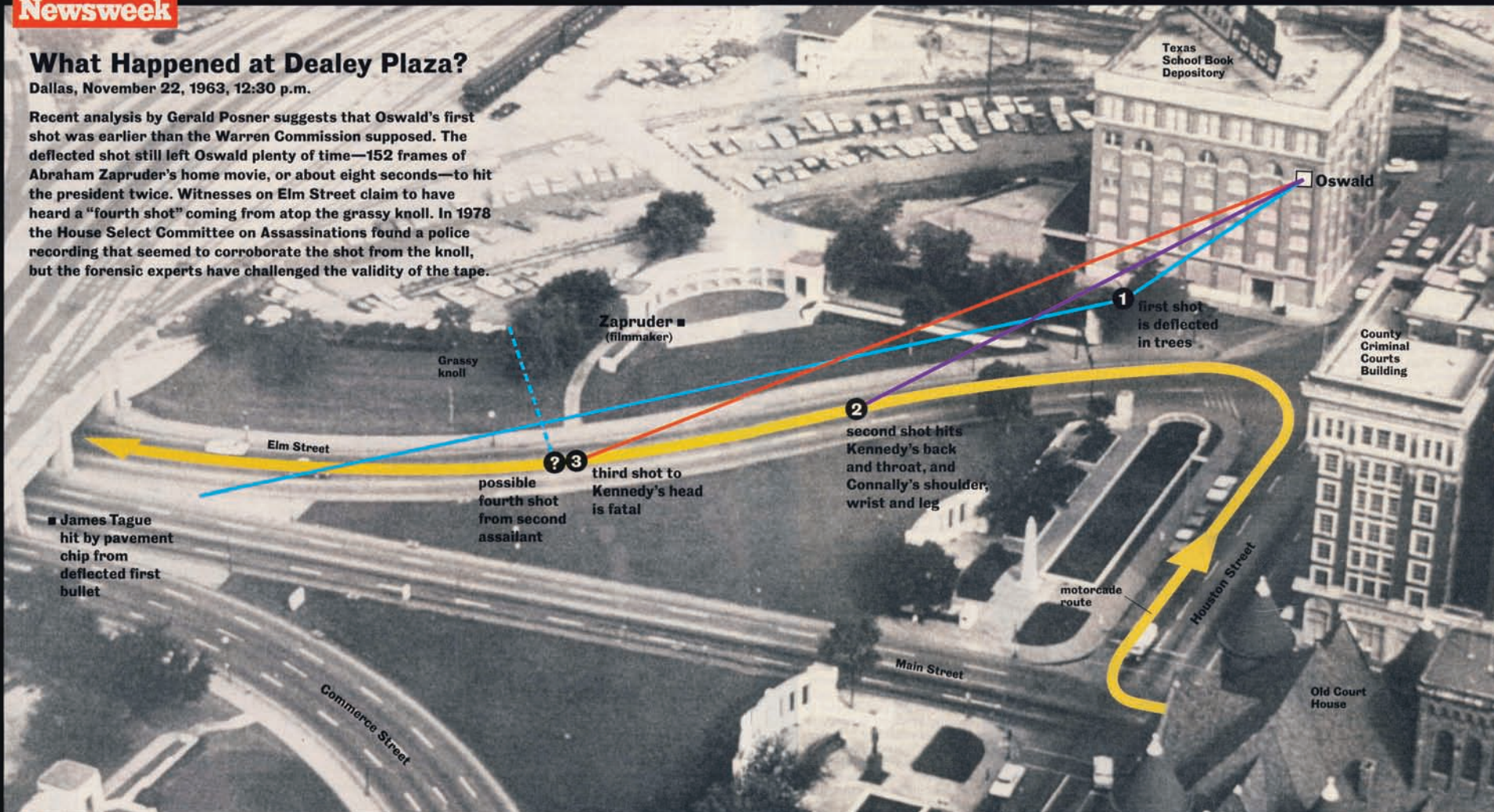
Main Street

Old Court
House

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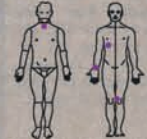
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3.5 seconds later



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8.4 seconds after first shot



shooter's view



Zapruder frame 313



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DEALEY PLAZA PHOTO: TEXAS SCHOOL BOOK DEPOSITORY
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DOWNTOWN COMMERCIAL REAL ESTATE MAP

San Francisco

THE TIMES

Special Print Edition



Legend

- Office Buildings
- Hotels
- Retail
- Industrial
- Government
- Public Works
- Other

Map Symbols

- Public Buildings
- Public Works
- Other

Map Scale

1 inch = 100 feet

Map Date

2008

Bank of America

Commercial Real Estate

B

Commercial Real Estate

SAN FRANCISCO Marriott

Commercial Real Estate

The world's first and only
satellite fiber optic network.

US Sprint

JR MK

John R. McKee

Commercial Real Estate

Bradford PERSONNEL










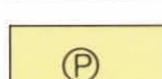


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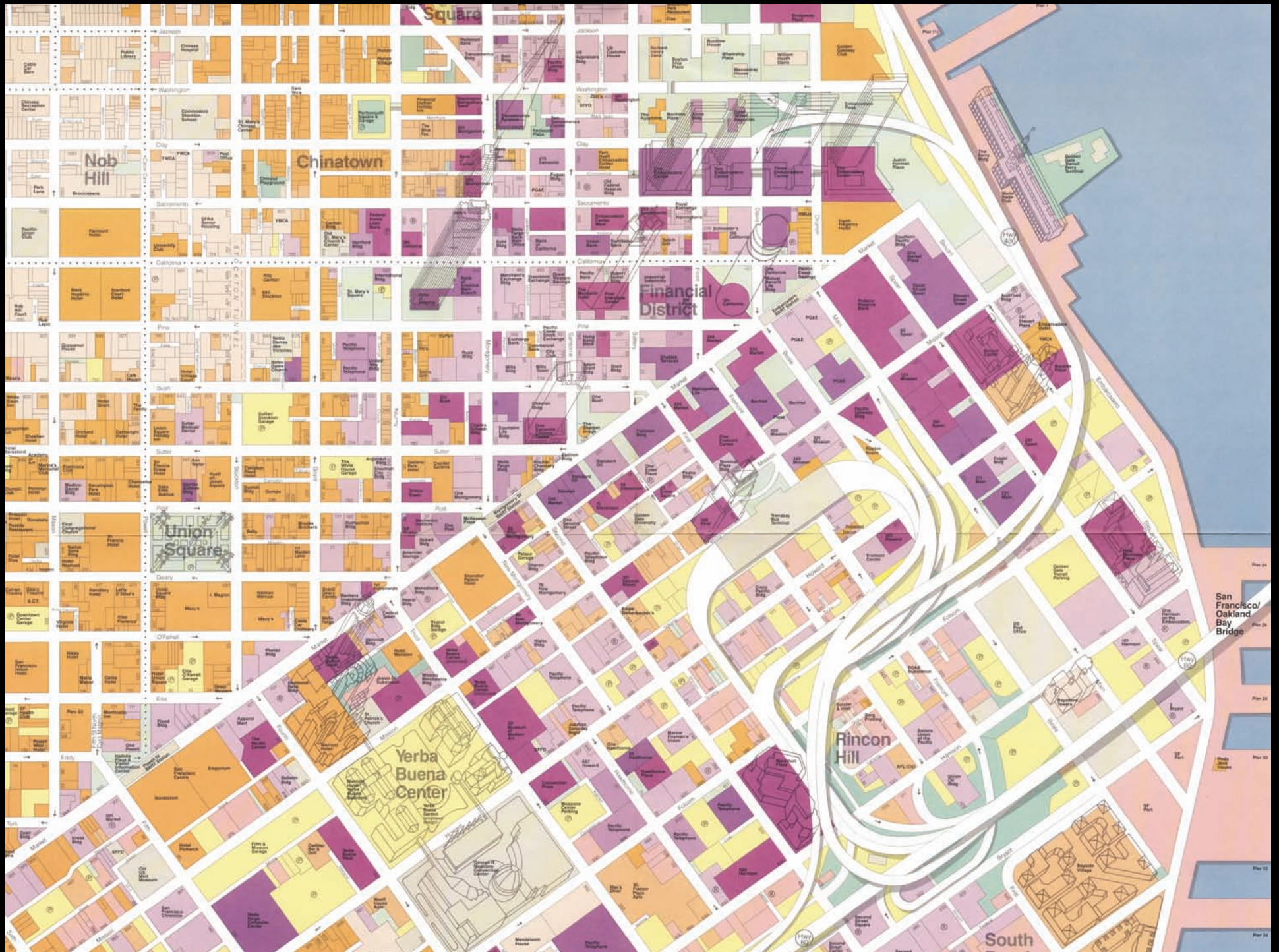
We find people in
San Francisco.

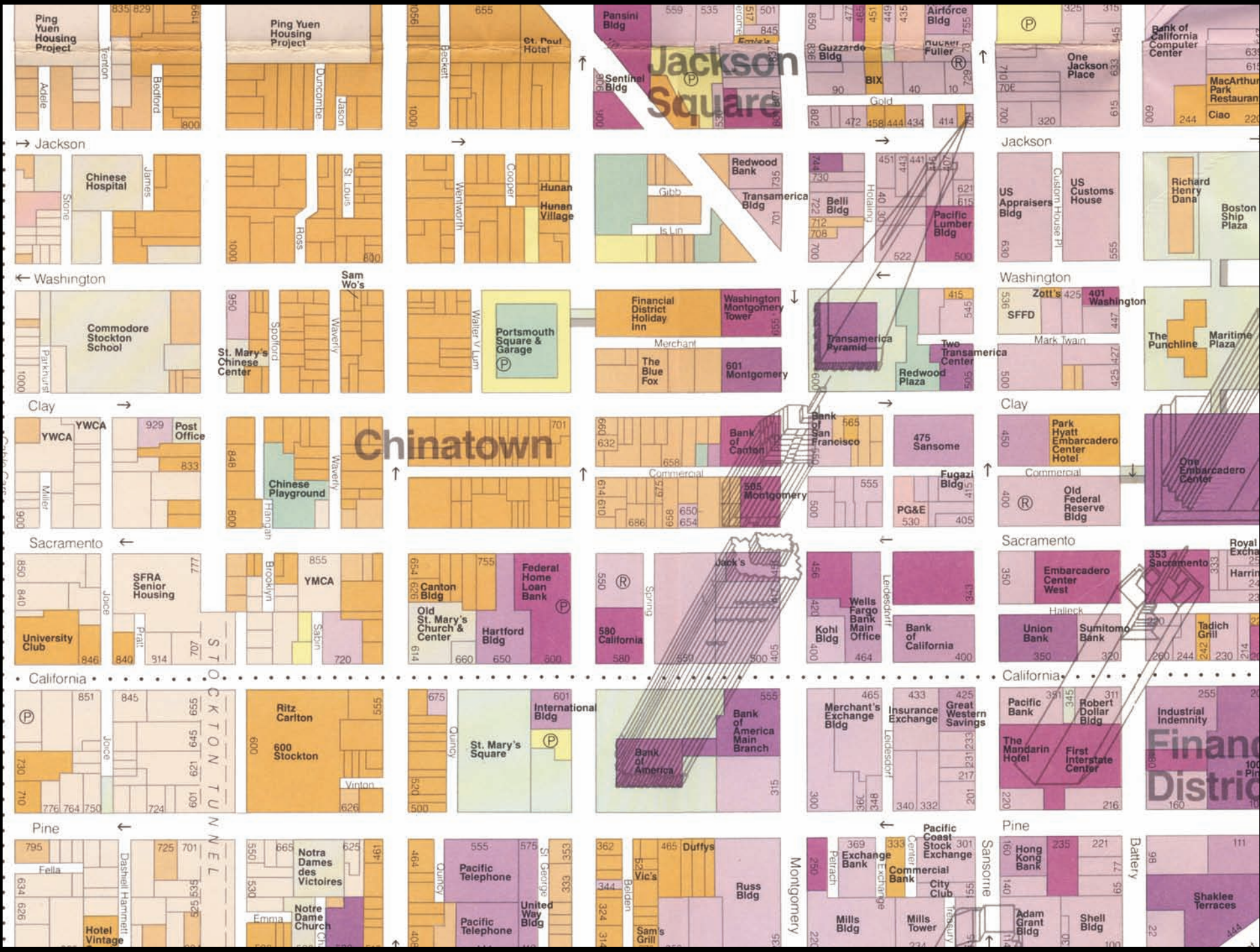
Boone & M. Smith

Commercial Real Estate

Commercial Real Estate

	Pre 1960's Office
	1960's Office
	1970's Office
	1980's Office
	Government/Hospital/School/Church
	Retail/Hotel/Restaurant/Club
	Mixed Use/Small Retail/Residential
	Residential
	Manufacturing/Industrial
	Parking/Garage
	Park
	Plaza





Jackson Square

Chinatown

Financial District

Ping Yuen Housing Project
Adelle
Bedford
800

Ping Yuen Housing Project
Durcombie
Jason
800

St. Paul Hotel
Backett
1000

Pansini Bldg
Sentinel Bldg
559 535 501
800 800 800

Airforce Bldg
Guzzardo Bldg
BIX
40 10
729 729

One Jackson Place
710
700 320

Bank of California Computer Center
MacArthur Park Restaurant
Ciao
220

Chinese Hospital
Score
James
800

Hunan Hunan Village
Wentworth
Cooper
800

Hunan Hunan Village
Wentworth
Cooper
800

Redwood Bank
Transamerica Bldg
Gibb
701

Belli Bldg
Pacific Lumber Bldg
40 300
522 500

US Appraisers Bldg
US Customs House
630 555

Richard Henry Dana
Boston Ship Plaza

Commodore Stockton School
Parkhurst
1000

St. Mary's Chinese Center
Spaulford
Waverly
950

Portsmouth Square & Garage
Waller V Lum
P

Financial District Holiday Inn
The Blue Fox
601 Montgomery
655

Transamerica Pyramid
Two Transamerica Center
600 505

Zott's
SFFD
425 447
500

The Punchline
Maritime Plaza

YWCA
Post Office
833
900

Chinese Playground
Waverly
800

Chinatown

Bank of Canton
505 Montgomery
658 654

Bank of San Francisco
475 Sansome
Fugazi Bldg
500 405

Park Hyatt Embarcadero Center Hotel
Old Federal Reserve Bldg
450 400

One Embarcadero Center

SFRA Senior Housing
University Club
846 840

YMCA
Sabin
720

Federal Home Loan Bank
Hartford Bldg
650 300

Jack's
580 California
580 500

Wells Fargo Bank Main Office
Bank of California
464 400

Embarcadero Center West
Union Bank
350 320

Royal Exchange
Harrington
230

Ritz Carlton
600 Stockton
555

St. Mary's Square
Quincy
520

International Bldg
St. Mary's Square
601 P

Bank of America Main Branch
555 515

Merchant's Exchange Bldg
Insurance Exchange
Great Western Savings
300 332 102

Pacific Bank
The Mandarin Hotel
First Interstate Center
220 216

Industrial Indemnity
Financial District

Hotel Vintage
Fella
626

Notre Dame des Victoires
Notre Dame Church
625 530

Pacific Telephone
United Way Bldg
555 668

Duffys
Vic's
Sam's Grill
362 324 314

Pacific Coast Stock Exchange
Exchange Bank
Mills Bldg
369 333 220

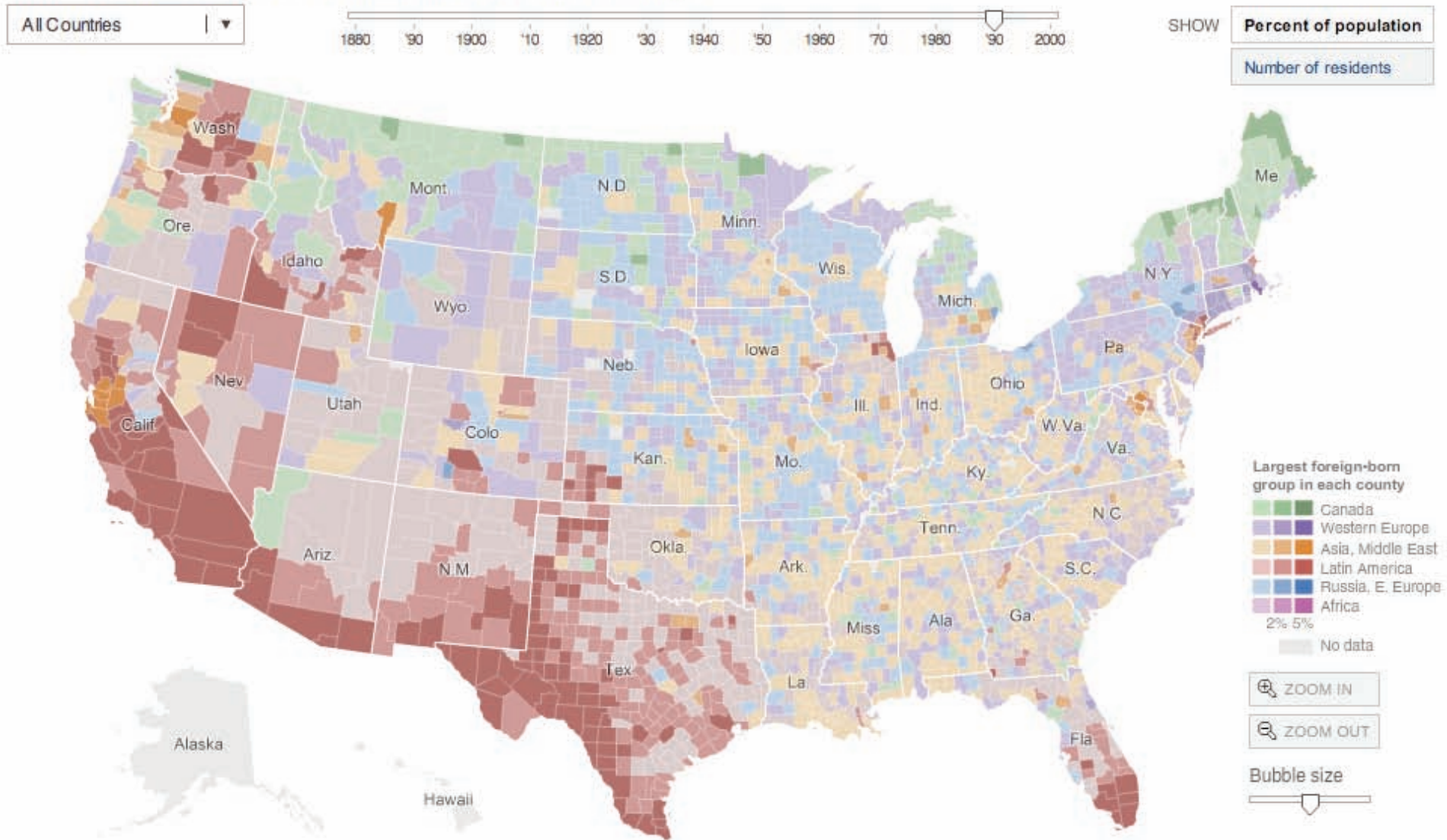
Hong Kong Bank
Adam Grant Bldg
Shell Bldg
160 235 221

Shaklee Terraces



Immigration Explorer

Select a foreign-born group to see how they settled across the United States.

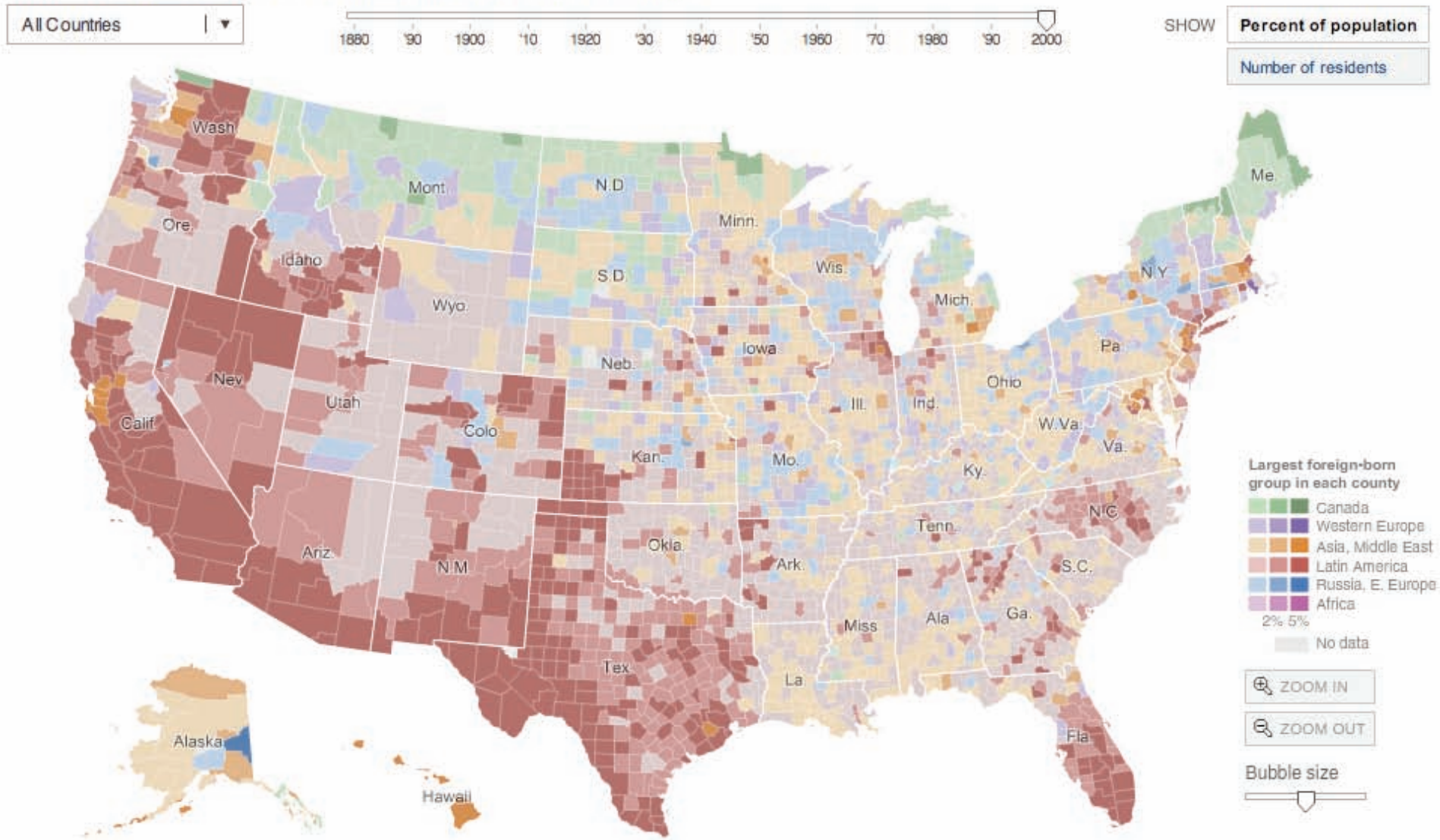


Note: Due to limitations in the Census data, foreign-born populations are not available in all areas for all years.



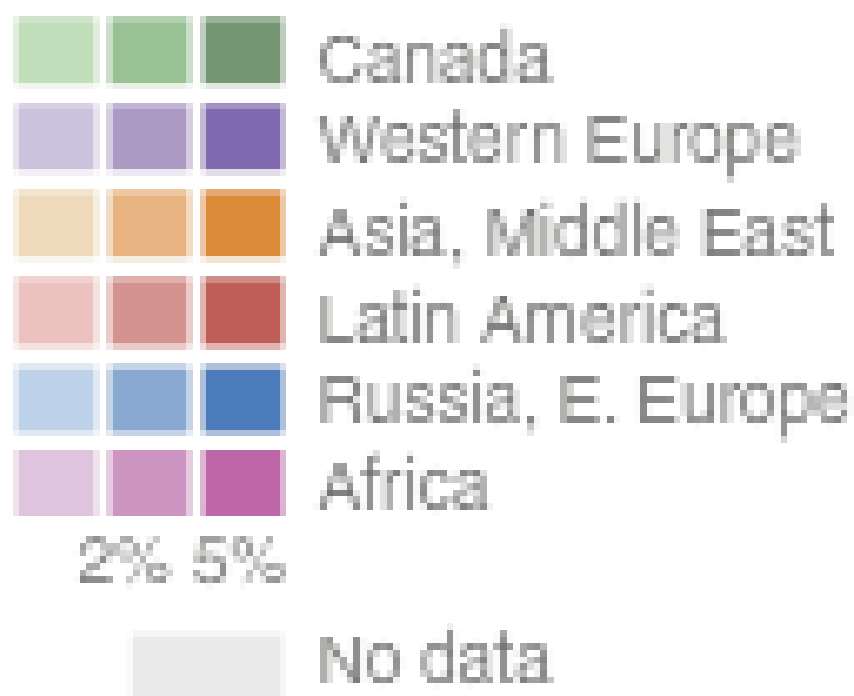
Immigration Explorer

Select a foreign-born group to see how they settled across the United States.



Note: Due to limitations in the Census data, foreign-born populations are not available in all areas for all years.

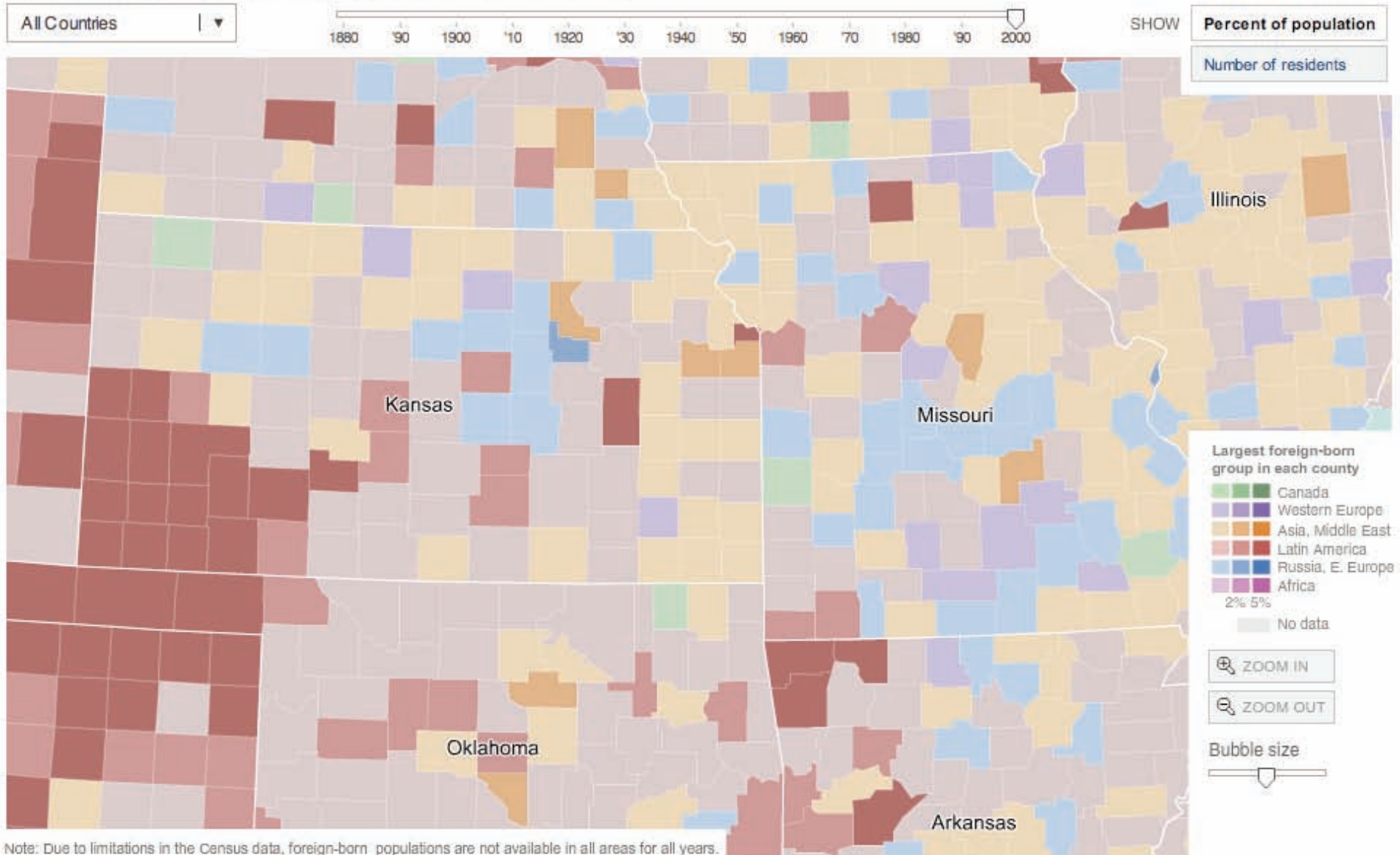
Largest foreign-born group in each county





Immigration Explorer

Select a foreign-born group to see how they settled across the United States.



Mapping Foreclosures in the New York Region

A New York Times analysis found that foreclosure rates in the region were highest in areas with high minority populations. Zoom in to see foreclosures at the street level.

VIEW BY YEAR



TOP 10 COUNTIES

Counties with highest foreclosure rates in 2008

Essex, N.J.	3.1%
Union, N.J.	2.6
Passaic, N.J.	2.4
Hudson, N.J.	2.4
Brooklyn	2.1
Queens	2.1
Bronx	2.1
New Haven, Conn.	1.9
Suffolk, N.Y.	1.8
Camden, N.J.	1.6

Zoom to address



MAP KEY

Foreclosures as a percentage of residential properties in each census tract

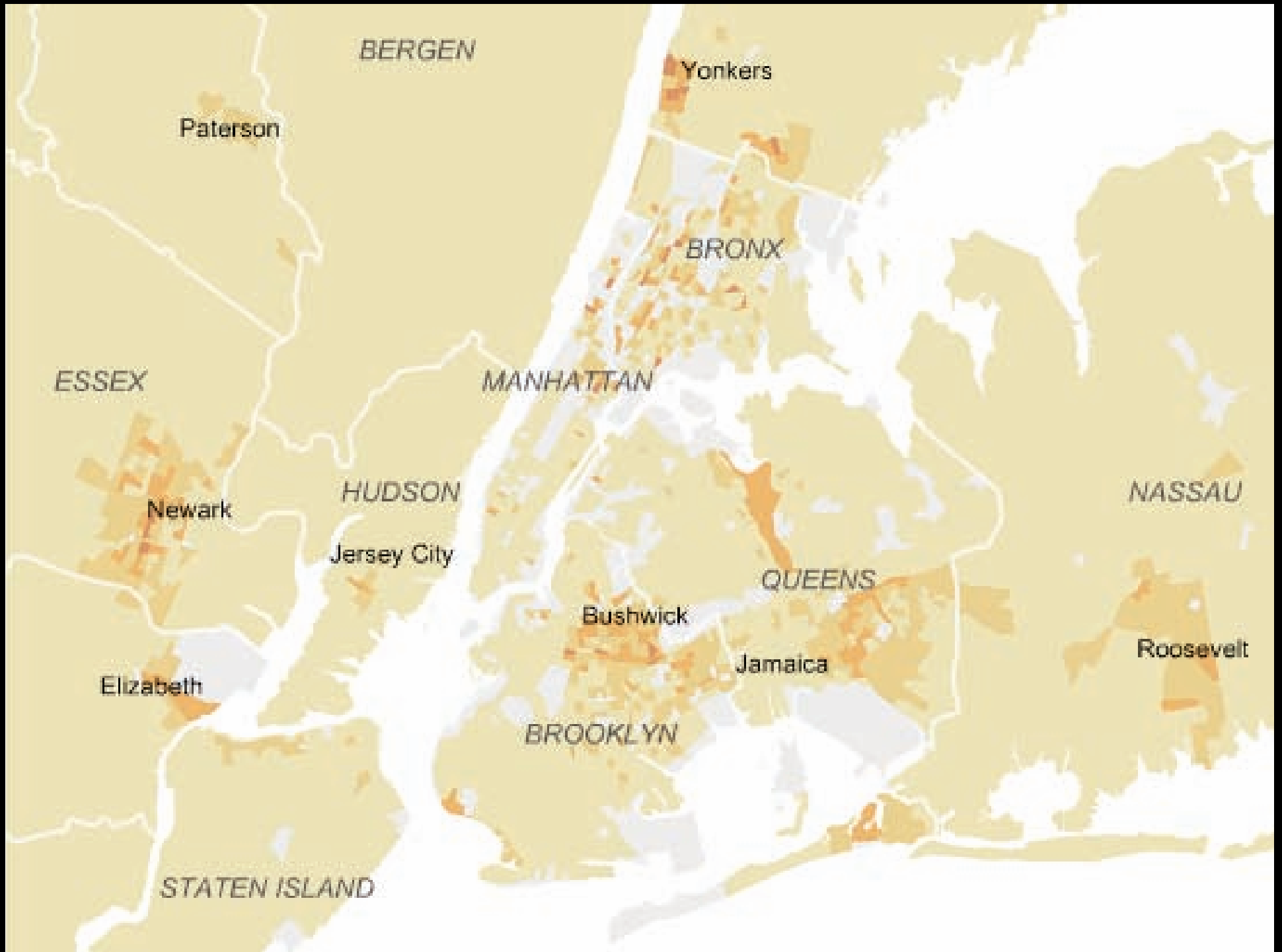
- Over 10%
- 5 to 10%
- 2.5 to 5%
- Under 2.5%
- Insufficient data

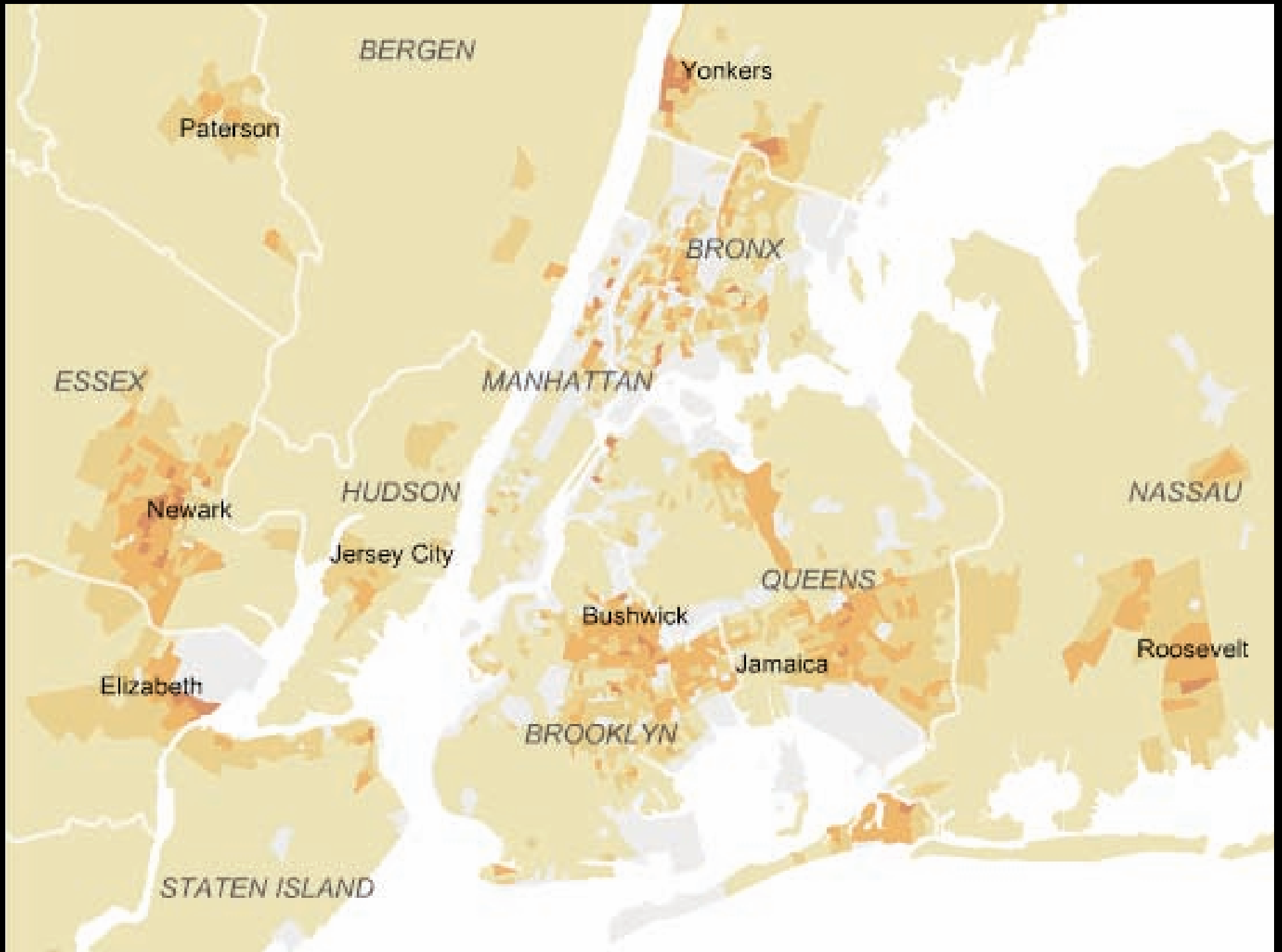
Note: A single dot on the map may include multiple foreclosures for different units in the same building.

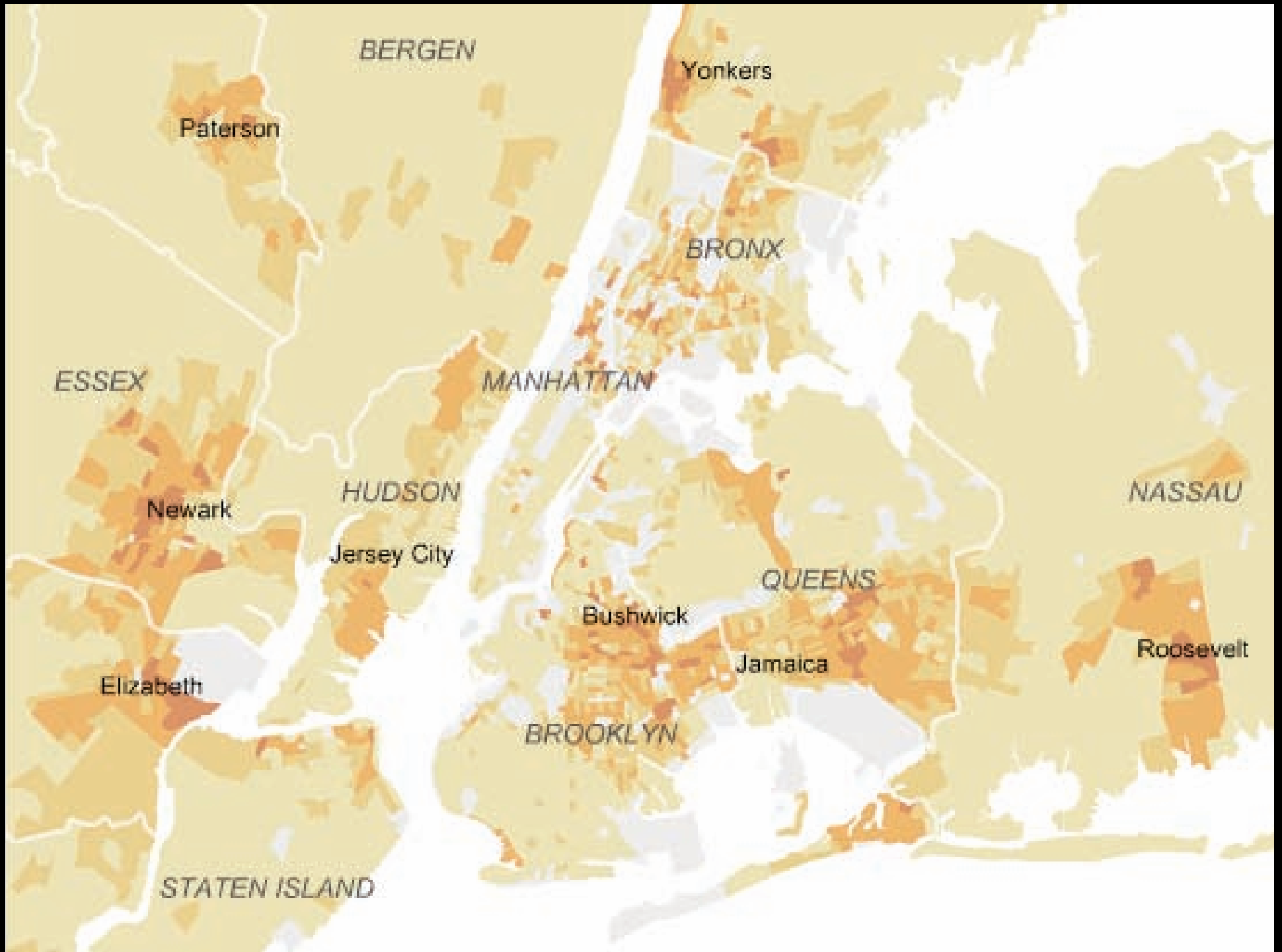
Sources: PropertyShark; the Warren Group; American Foreclosures; Long Island Real Estate Report; Western Technologies Group; Furman Center for Real Estate and Urban Policy; Westchester County clerk

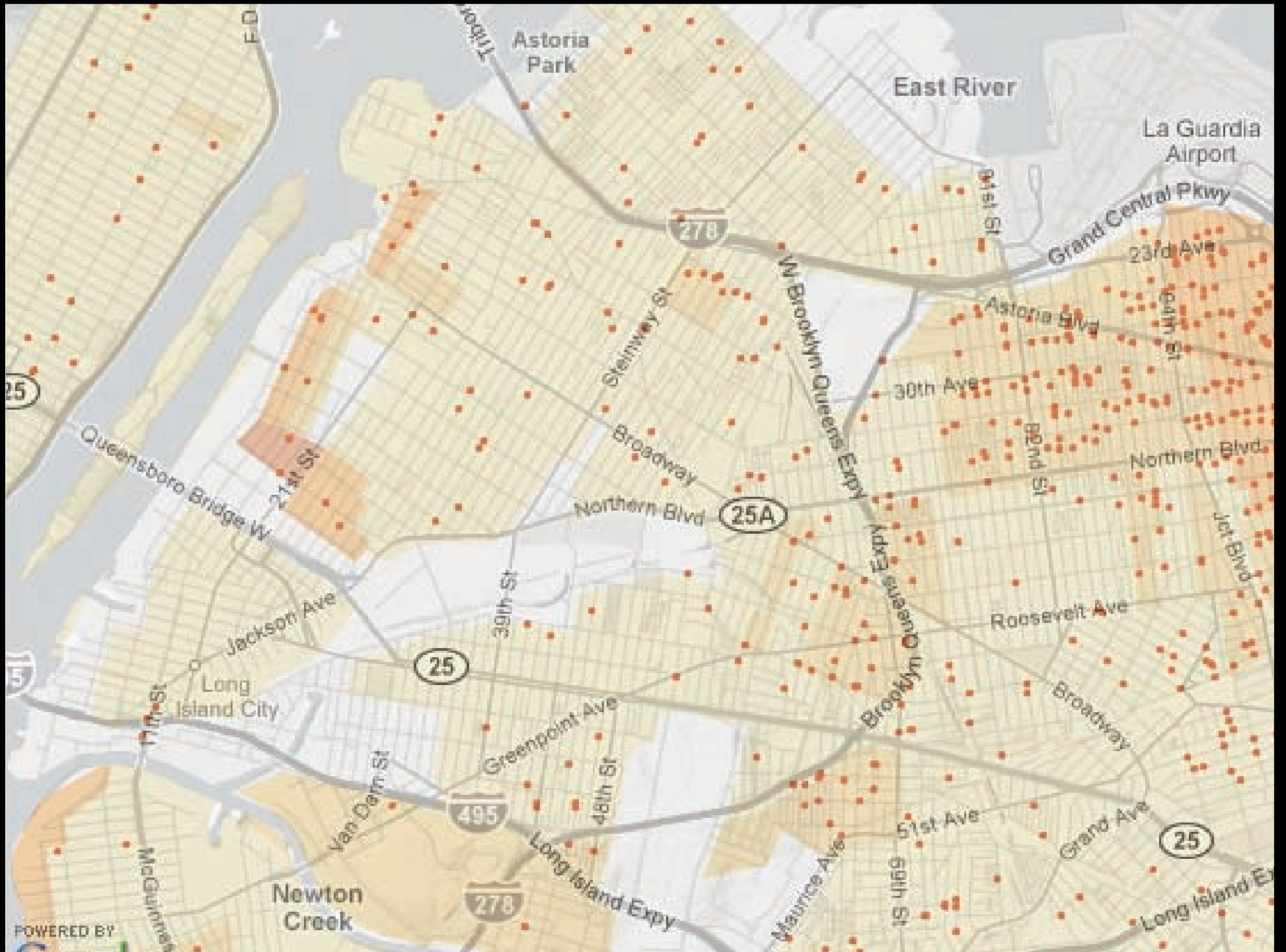
Matthew Bloch and Janet Roberts/The New York Times

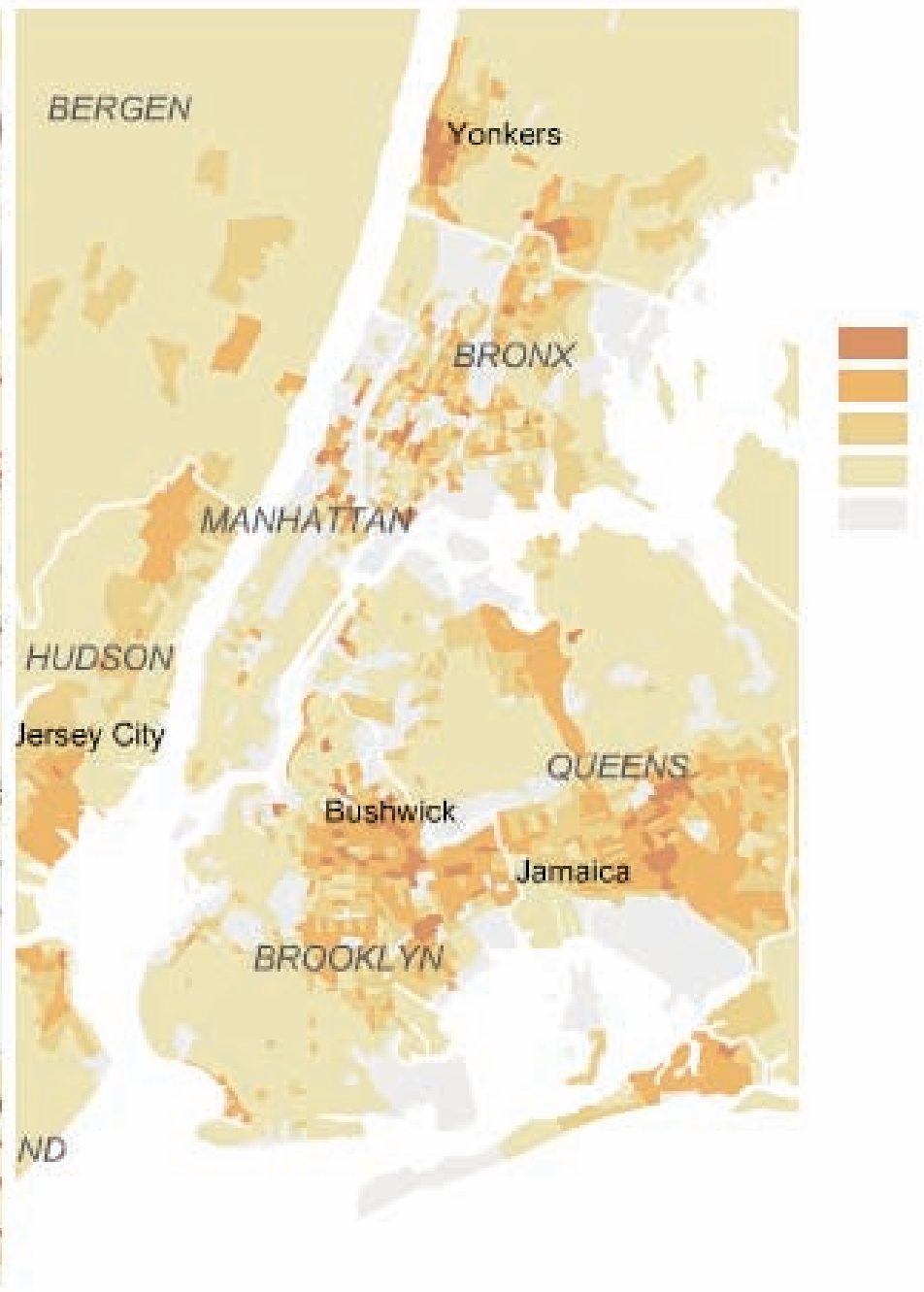
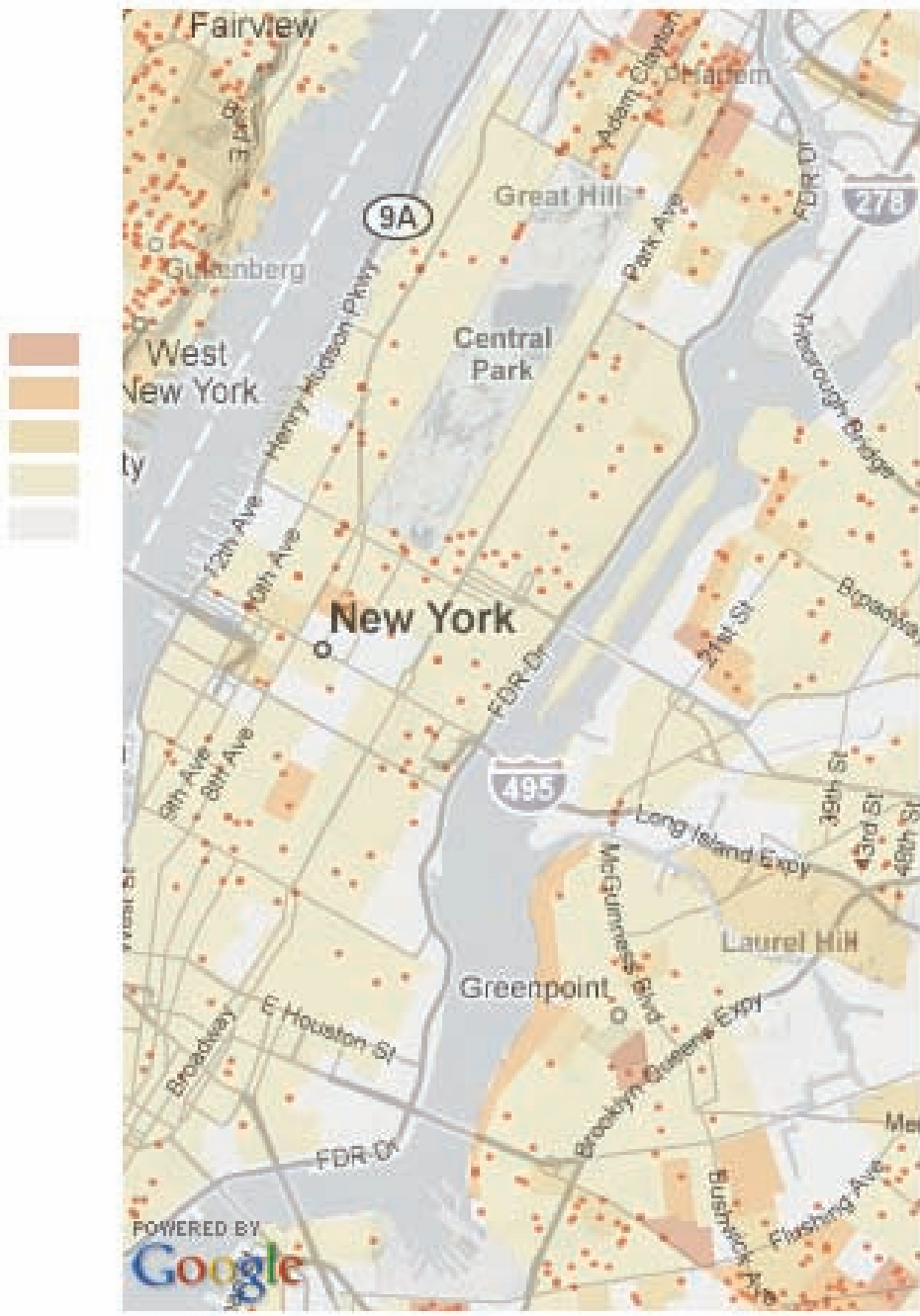












color

value intensity hue