A nighttime photograph of a multi-story brick building with balconies and a riverwalk along the Napa River. The building is illuminated with warm lights, and the river reflects the lights. The sky is a deep blue, and the overall scene is a well-lit urban waterfront.

Integrating ^{the}
Napa River Flood Project
into the City of Napa

We last presented this project in 2008.

As you will see

MUCH HAS CHANGED

A Project
Ahead
of its
Time

While attending NAFSMA 2008,
see the Project that changed
the flood control paradigm —
the Napa River-Napa Creek Flood Protection Project—
now under construction in Napa, California.



A look at the
**Napa River-
Napa Creek
Flood
Protection
Project**

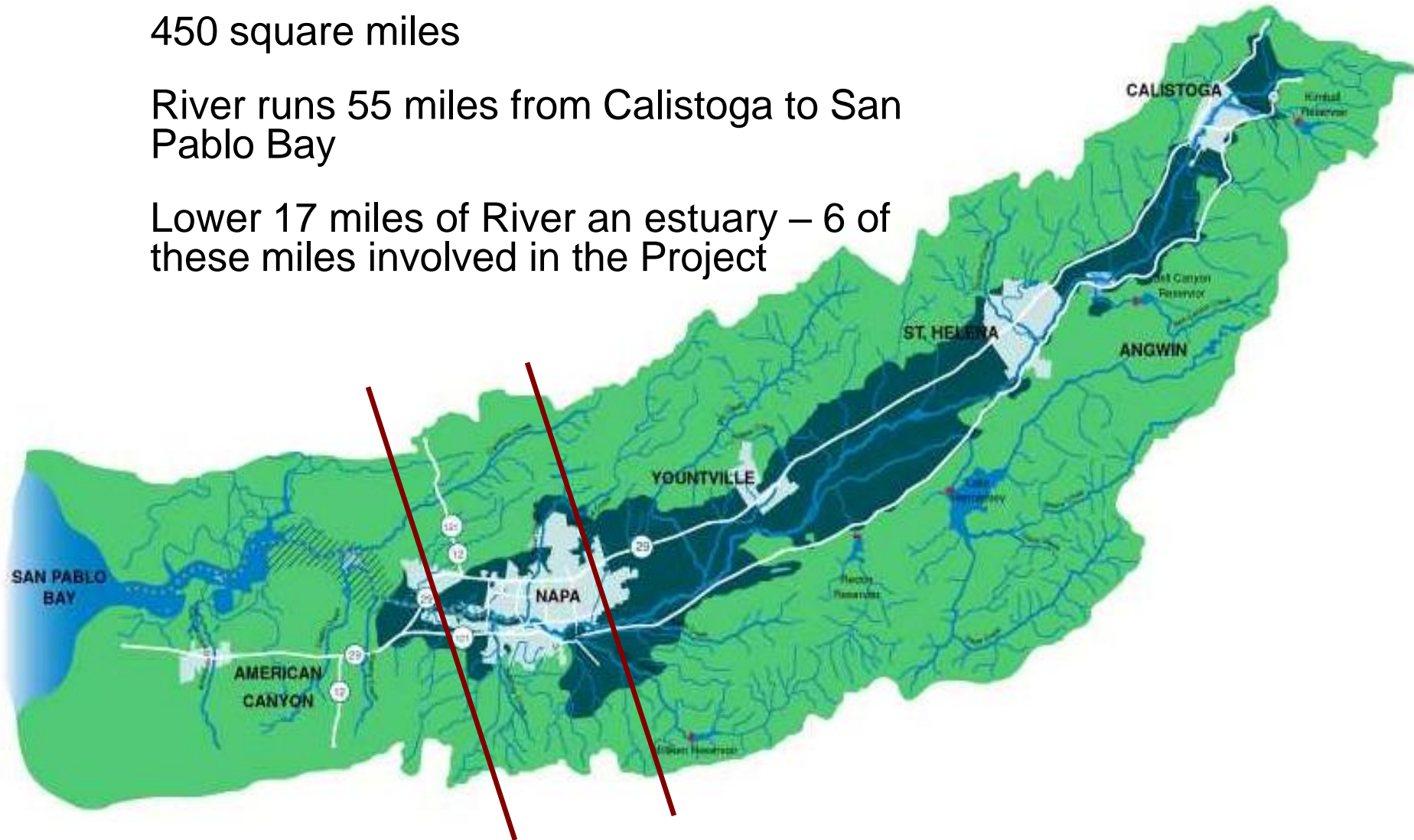
For
**The North Bay
Watershed
Association**
September 2008

Napa River Watershed

450 square miles

River runs 55 miles from Calistoga to San Pablo Bay

Lower 17 miles of River an estuary – 6 of these miles involved in the Project





Wetlands

Butler Bridge to Imola



Tannery, Riverside Drive and
Downtown section



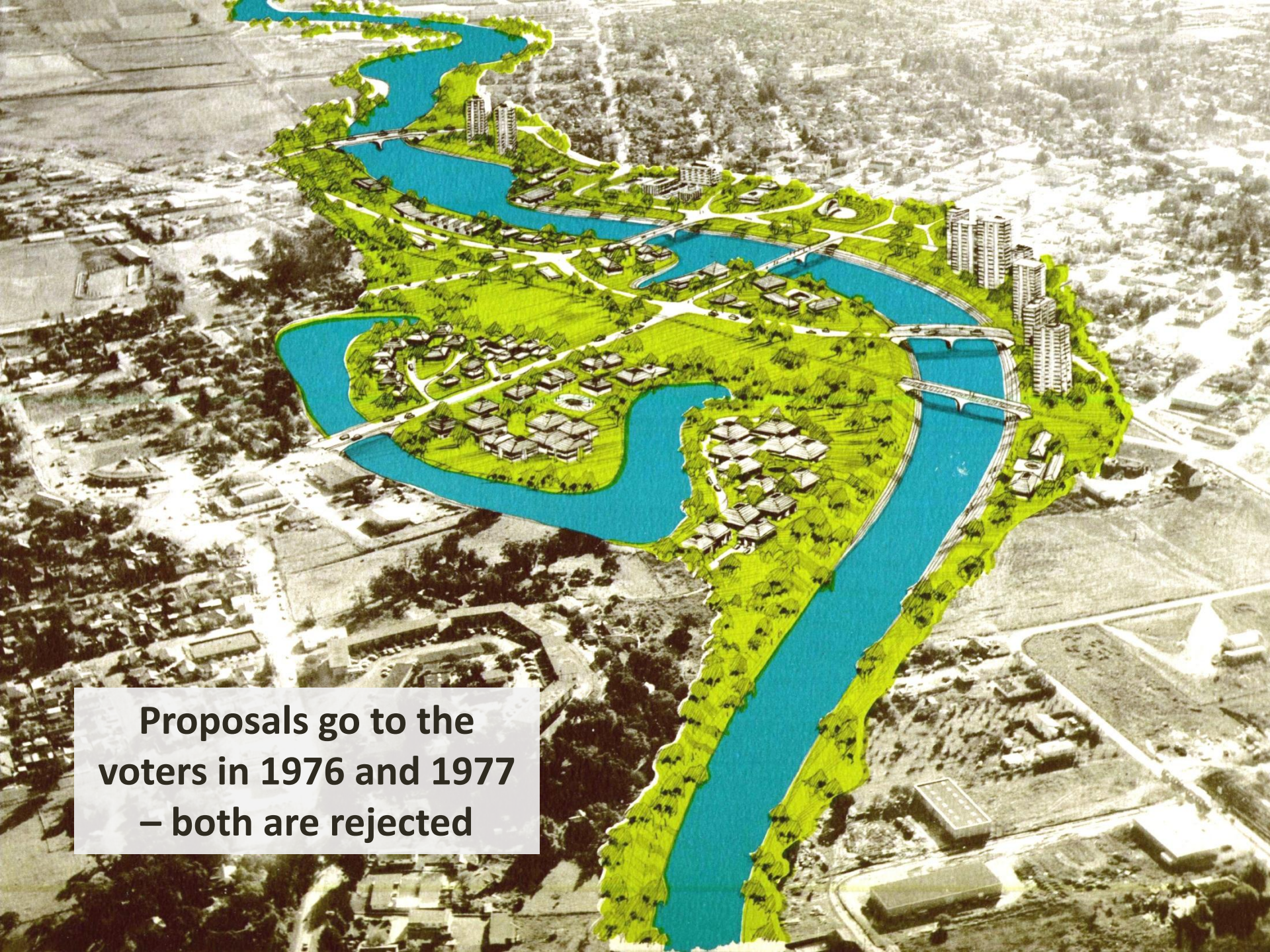
Oxbow and north to Trancas

Why is the Napa Project needed?

At least 22
serious floods
on the Napa River
since 1862

Flood Control Act of 1965 authorizes a Napa River Project

- **Designs are standard COE issue:**
 - *Deepen channel with dredging*
 - *Straighten channel – eliminate Oxbow*
 - *Rip rap banks of a trapezoidal channel*
 - *Levees and flood walls*



Proposals go to the voters in 1976 and 1977 – both are rejected



Then came the flood of 1986



The Community wants action but existing designs have issues

- Widening and deepening the river would lead to:
 - Excess siltation
 - Decrease in oxygen
 - Loss of wetland habitat
 - Loss of steelhead rearing habitat
- Leaving existing bridges would mean deepening river instead of raising bridges
- Leaving contaminants in place isolated with sheet pile walls would mean continued pollution of the river

A community coalition comes together



The New York Times

SATURDAY, APRIL 25, 1998



Point Valdivia for The New York Times

Along the Napa River south of Napa, Calif., are acres that under a new marsh restoration plan will be given back to the river as wetlands. The river will also be allowed to flow unfettered, without dikes and dams.

For a Flood-Weary Napa Valley, A Vote to Let the River Run Wild

By TIMOTHY EGAN

NAPA, Calif., April 18 — A good 64 inches of rain has pelted this valley of fine wine and pursuers of the sublime since last July. So last month, in the middle of yet another El Niño-driven storm, Napa Valley residents went to the polls and decided to do something about it.

By a two-thirds majority, Napa County voted to raise taxes to pay for ripping out its flood-control system, allowing the near-dead Napa River to return to life and run wild for much of its 35 miles. After suffering 27 floods in less than 150 years, with flood controls, the Napa Valley now will take a chance with unfettered nature.

In a state where virtually every major river is shackled by a dam, punched by levees or siphoned for use by distant cities, the vote in Napa amounts to a call for revolution in the nation's war against high water. By voting to let the river run free,

reclaiming much of its own meandering path, Napa residents have also steered the Army Corps of Engineers, an agency that usually acts like the orthodontists of nature, on a new path.

"What we will be doing in Napa is radically different from anything we have ever done before," said Jason Faneliau, a Corps spokesman in Sacramento. "It's going to totally change the way we do business."

Under the Napa plan, some of the dikes and levees built to keep the river in a straight channel — largely without success — would be lowered or removed. Bridges that block the flow of high water would be raised or torn down. People living in areas that regularly flood would be bought out and asked to move. About 600 acres of low-lying land would be given back to the river, as wetlands. The river's



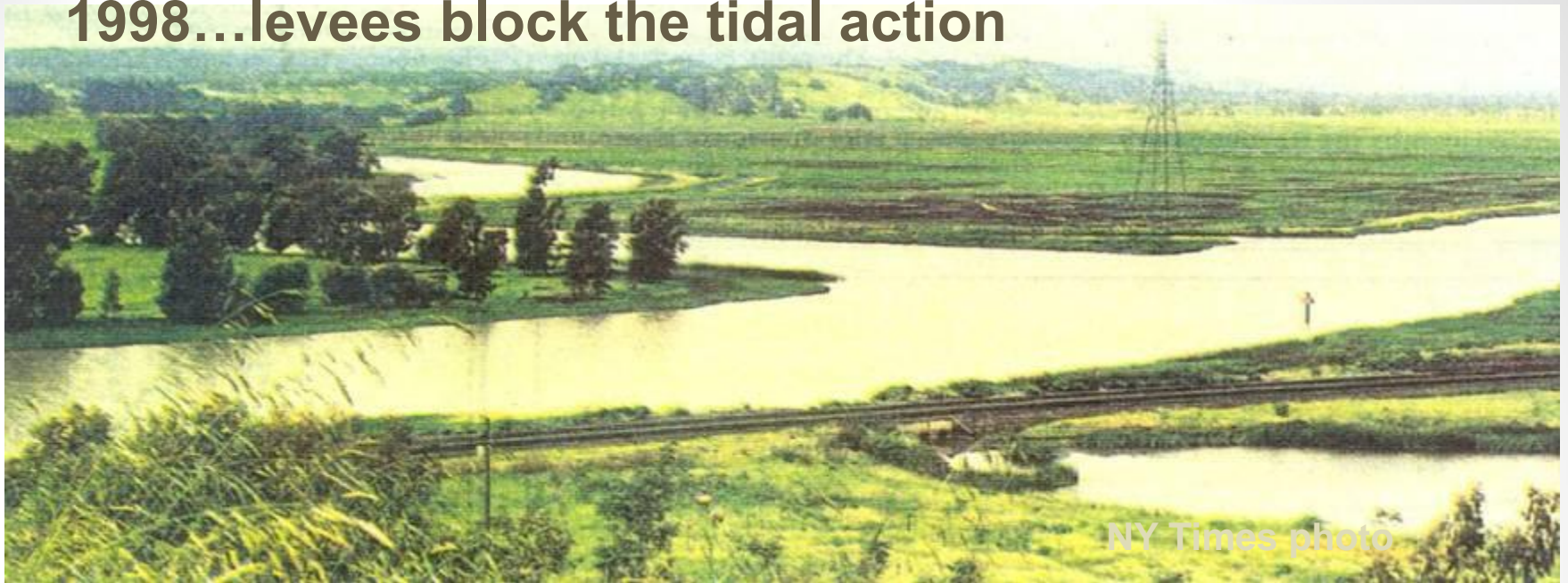
The New York Times

Continued on Page A9

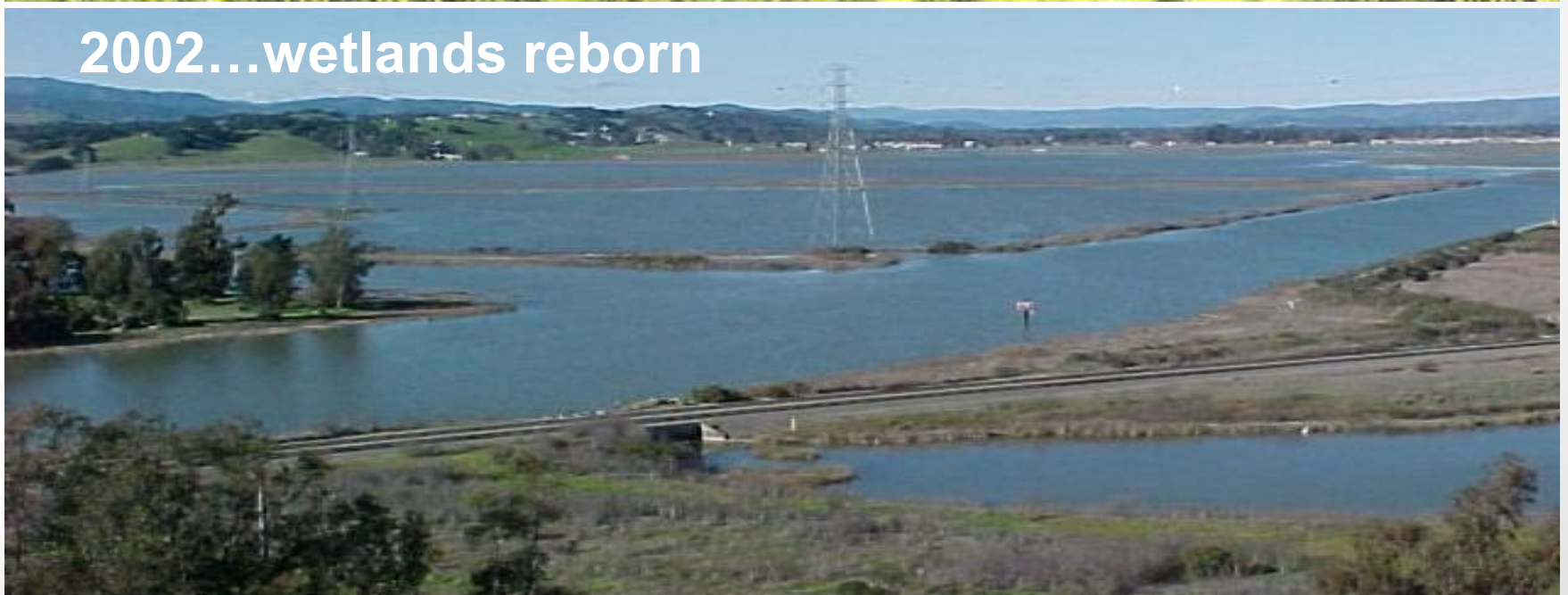
Achieving a Living River

- ☯ Maintain the natural slope, width, and width/depth ratio of the river
- ☯ Maintain or restore the connection of the river to its flood plain
- ☯ Allow the river to meander as much as possible
- ☯ Maintain channel features such as mudflats, shallows, sandbars, and a naturally uneven bottom
- ☯ Maintain a continuous fish and riparian corridor along the river

1998...levees block the tidal action



2002...wetlands reborn

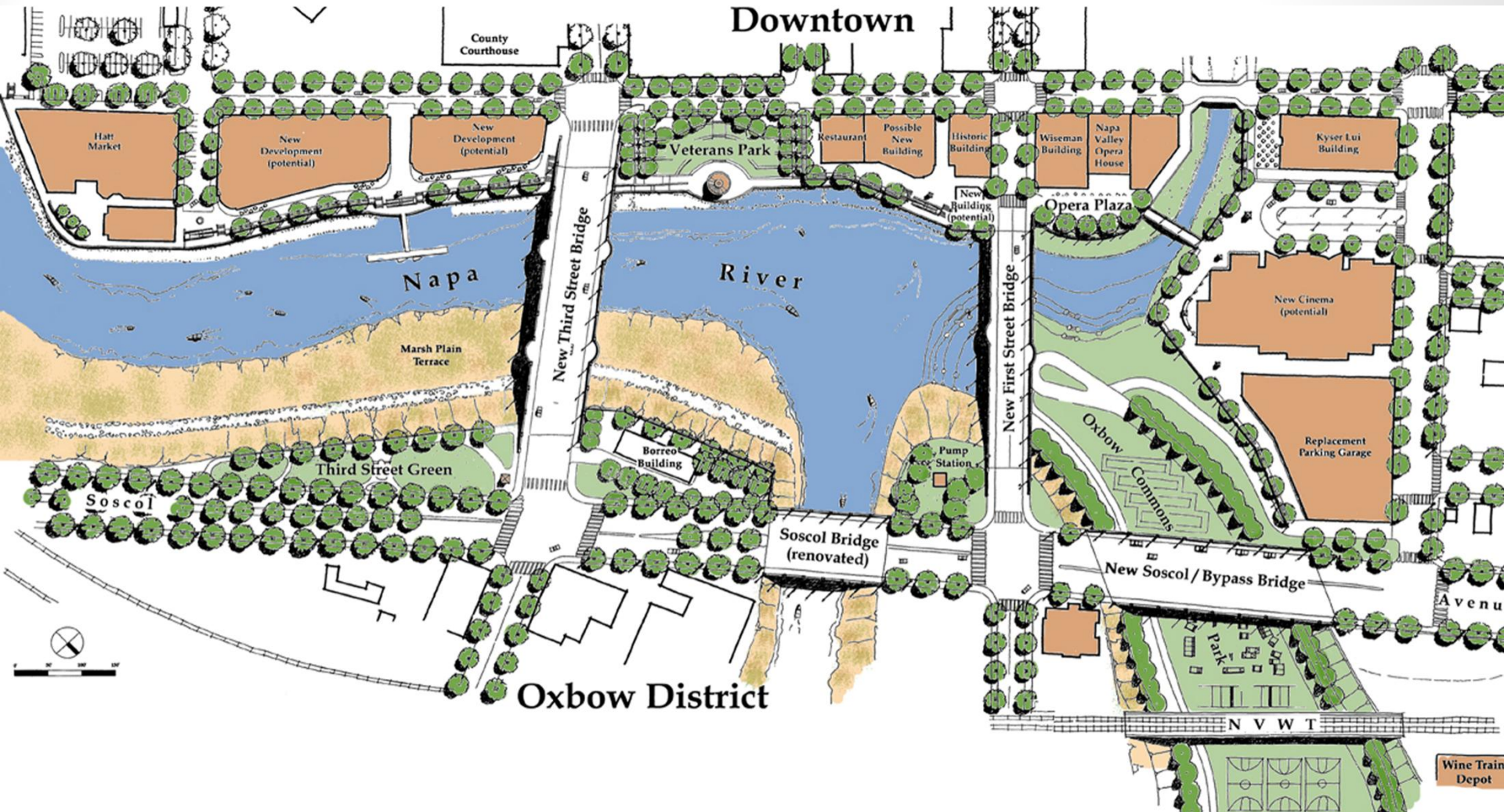


Common Birds found in the SWOA

Black-necked Stilt - American Avocet - Spotted Sandpiper - Great Egret - Snowy Egret - Green-backed Heron - American Pelican - Western Grebe - Mallard - Cormorant - Canada Goose - Northern Shoveler - Red-winged Blackbird - Virginia Rail - Common Yellowthroat - Marsh Wren



City of Napa took the lead in designing the civic structures and spaces



2003 Downtown Reach Urban Design Plan

Award-winning Third Street Bridge



Sets the tone for aesthetics of public space



Created Marsh Plain May 2008 – Low Tide

Integration opportunities





Hatt to First floodwall

July 20, 2006





BECK'S
1884

NOT A
THROUGH
STREET

↘







The river front transformed



- Torc
- Cole's Chop House
- City Winery at the NV Opera House
- Opera House Plaza
- First Street Bridge
- Veterans Park
- Third Street Bridge
- Boat dock
- The Riverfront (Morimoto, The Pear Bistro, Fish Story)
- Fifth Street Plaza
- Napa Mill (Napa River Inn, Celadon, General Store, Angele)
- Riverbend Plaza

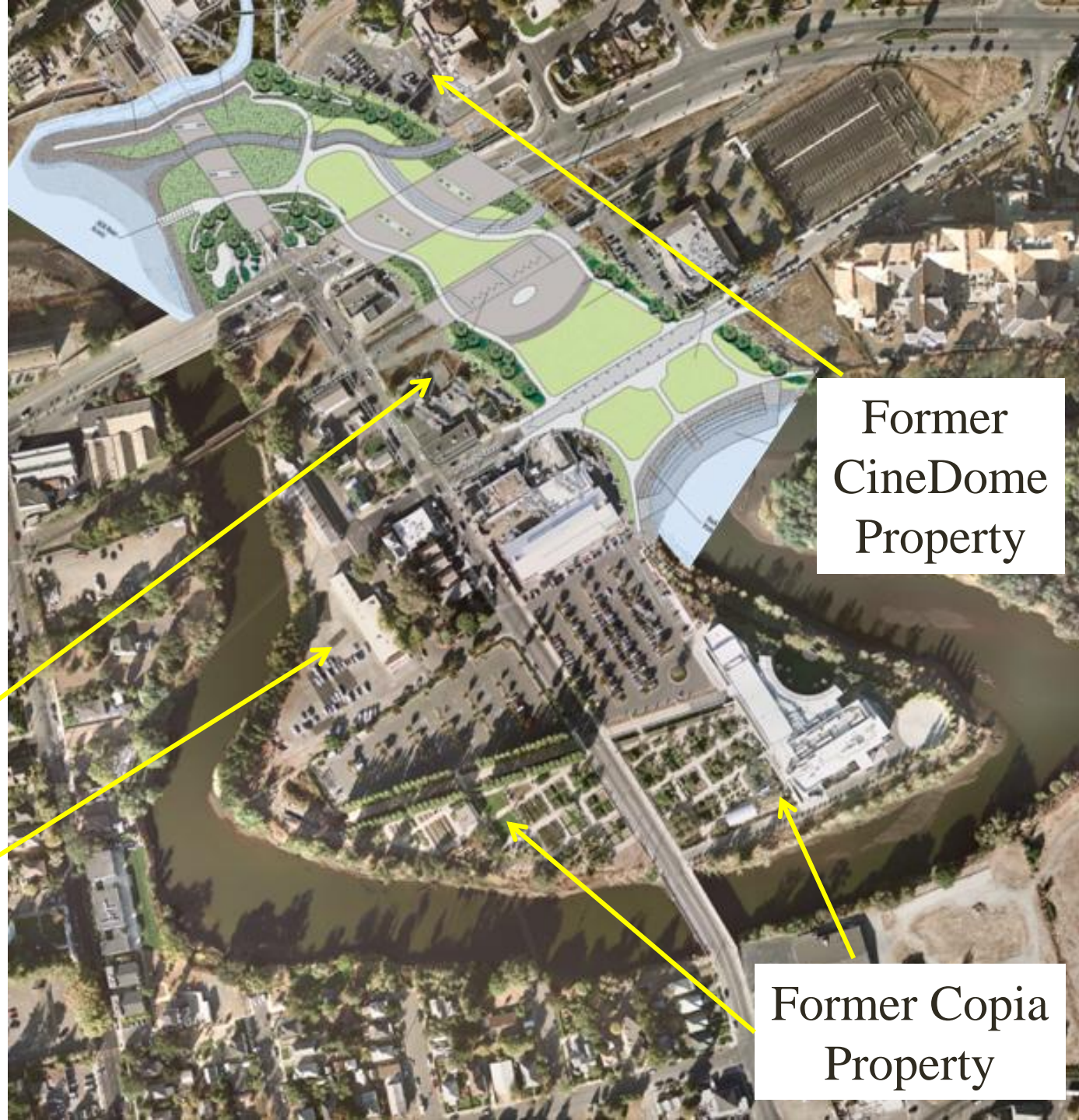
Riverfront Promenade and Floodwalls

**Next
milestone:
Oxbow Bypass**

More
integration
potential

Black Elk
Mixed Use

County
Corp
Yard



Former
CineDome
Property

Former Copia
Property

Vine Trail: Third St. to Tulocay Creek



Third St.

New prefab bridge over creek

The impact of the Flood Project
spreads beyond the riverfront
properties...

West First Street 25 Years Ago





West First Street as it appears today

First & Main streets, 20 years ago



First &
Main
streets
today



Oxbow District
ten years ago





Oxbow District today



Oxbow District today



Oxbow Preserve

Oxbow Public Market

Future Oxbow Commons
(Bypass Channel)

Westin Verasa Hotel / La Toque

Wine Train

River Terrace Inn

Some of Downtown's Newest Attractions



Photos by SF Chronicle



Uptown Theater



Restoration & Re-Use



1313 Main



Old World Inn

Fagiani Bar





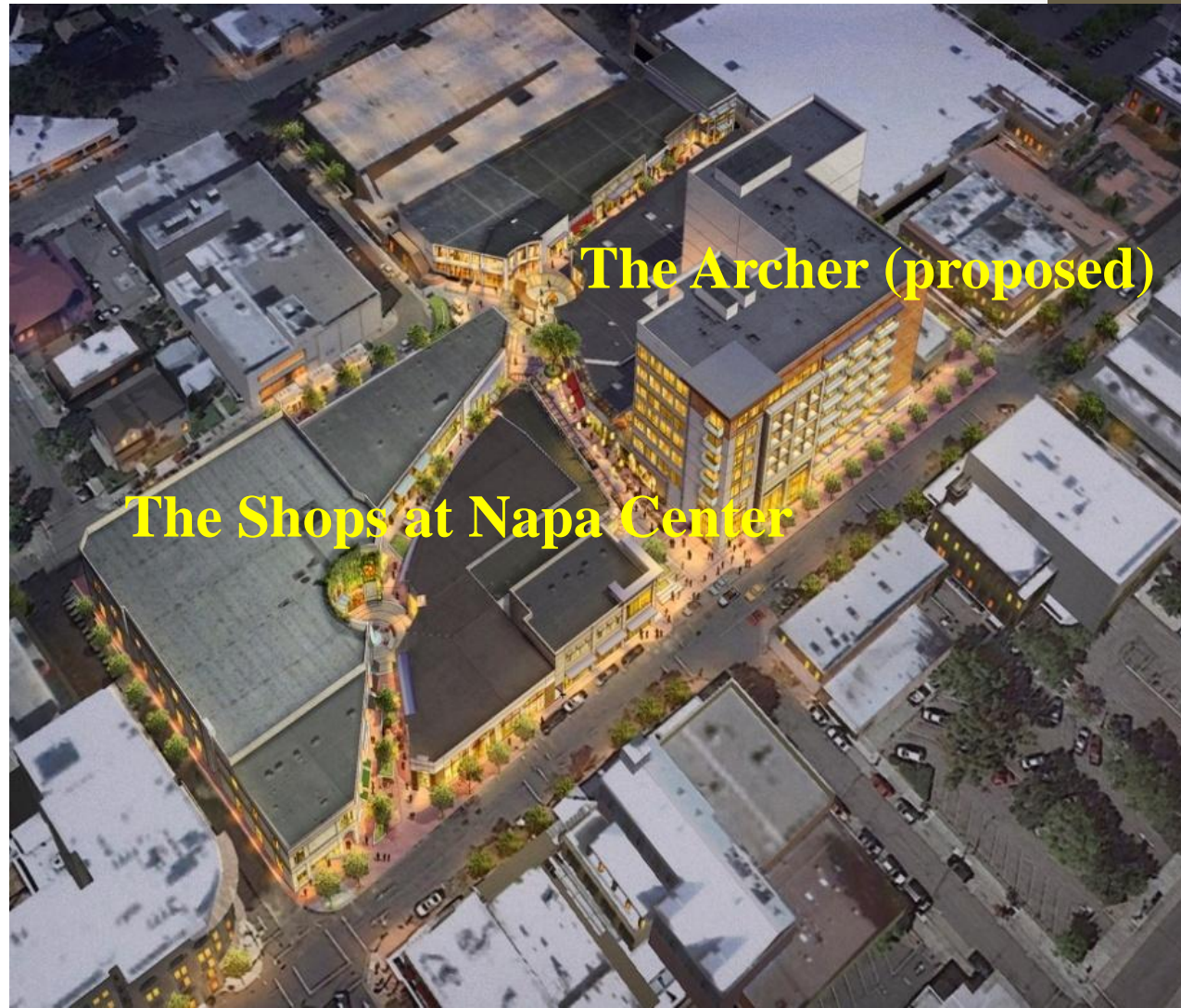
Renaissance continues downtown

The Shops at Napa Center

130,000 s.f. retail
40 retailer spaces

The Archer Hotel

181 rooms
5 stories
16,000 s.f. retail
6,500 s.f. restaurant
Roof-top bar



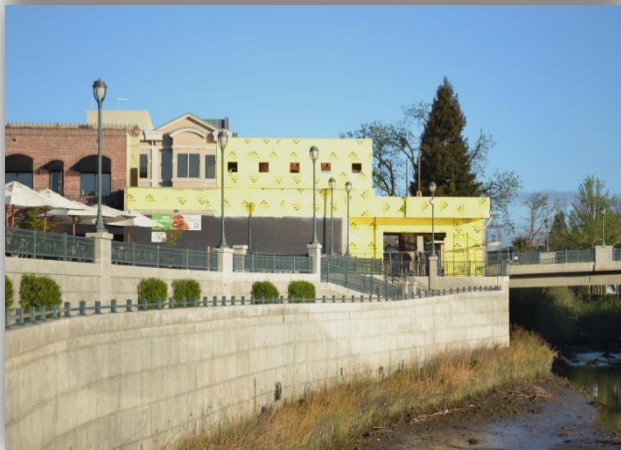
City Winery at Napa Valley Opera House

*Images
courtesy of
City Winery*



Also coming soon.....

Burger Fi



Velo Pizzeria

Mango on Main

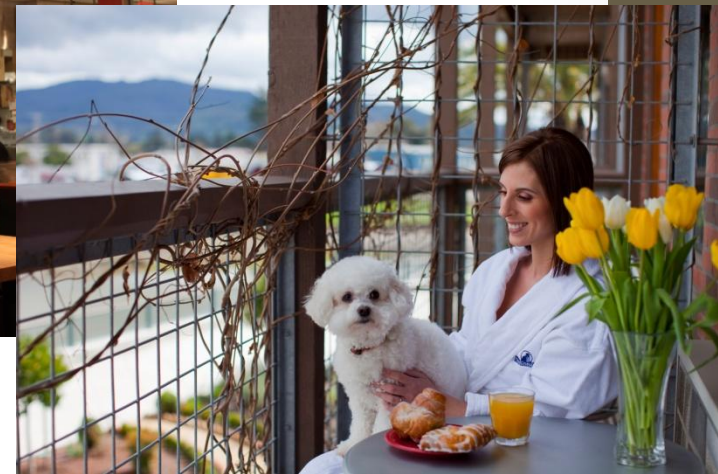


Jax Diner/Jax White Mule



Downtown Napa by the Numbers

- 914** lodging rooms (38% of city supply)
- 80+** restaurants / food establishments
 - 1 Michelin Star / 2 Bib Gourmand / 31 Zagat rated*
- 34** wine tasting venues & pubs
- 9** entertainment venues

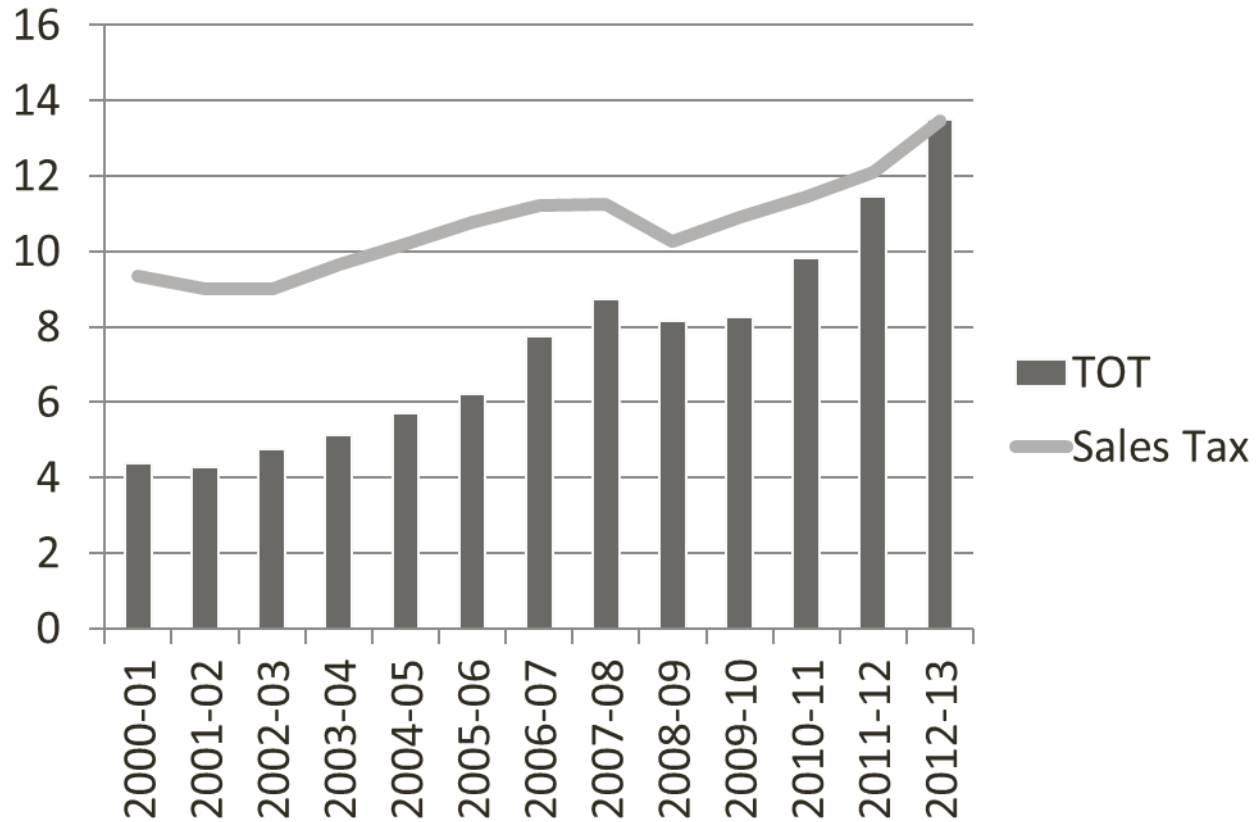


Investment Summary

Public & Private 1996-2013

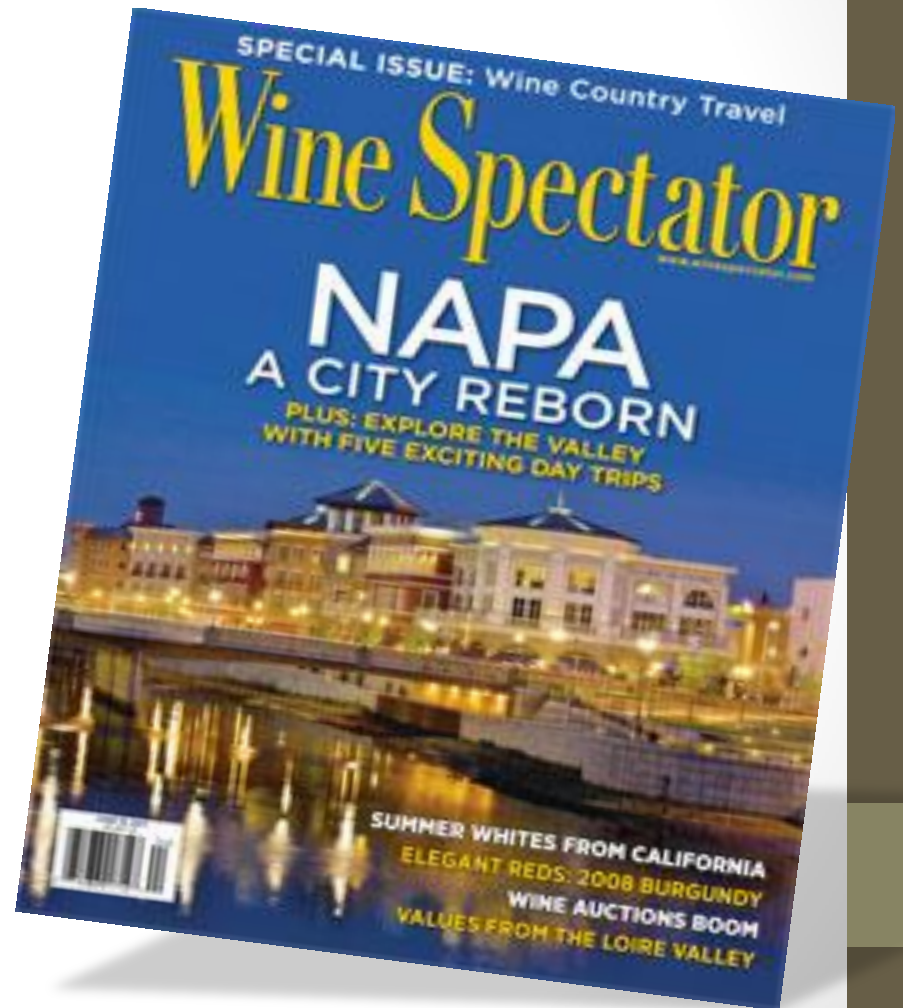
- Estimated total **\$1.16 billion**
 - **\$645 million** in construction
 - **\$516 million** in disclosed real estate transactions
- Primary catalyst: Flood Protection Project

Transient Occupancy Tax (\$ in millions)



“Small place, big reputation”

- *New York Times*
- *LA Times*
- *USA Today*
- *Washington Post*
- *SF Chronicle*
- *Conde Nast* Top 10 Cities Reader's Choice 2013
- Trip Advisor's *Traveler's Choice* #16 of 25 top U.S. destinations



The Geography of Happiness According to 10 Million Tweets FROM "THE ATLANTIC" FEB 19 2013

Happiest Cities

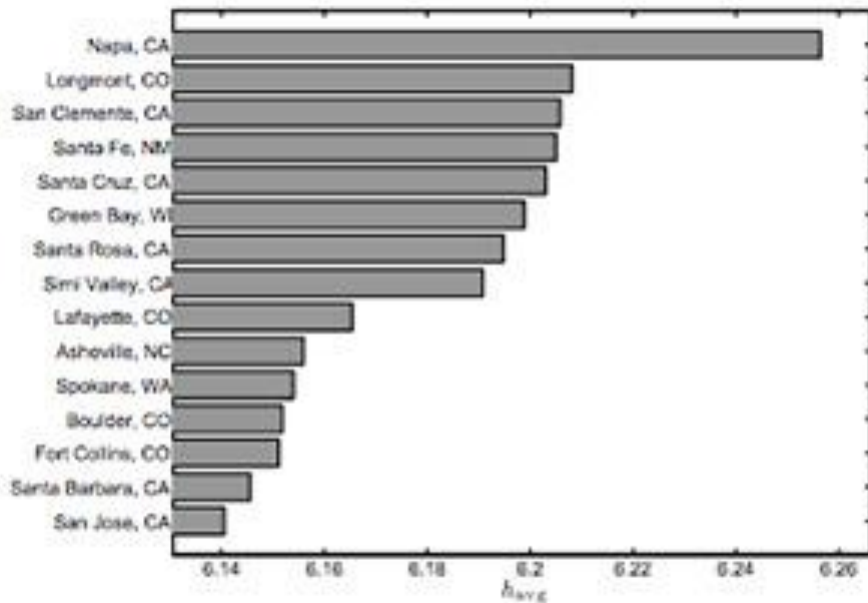


FIG. 7: The 15 highest average word happiness scores h_{avg} for cities in the contiguous USA, as calculated using (1) and the LabMT word list.

Saddest Cities

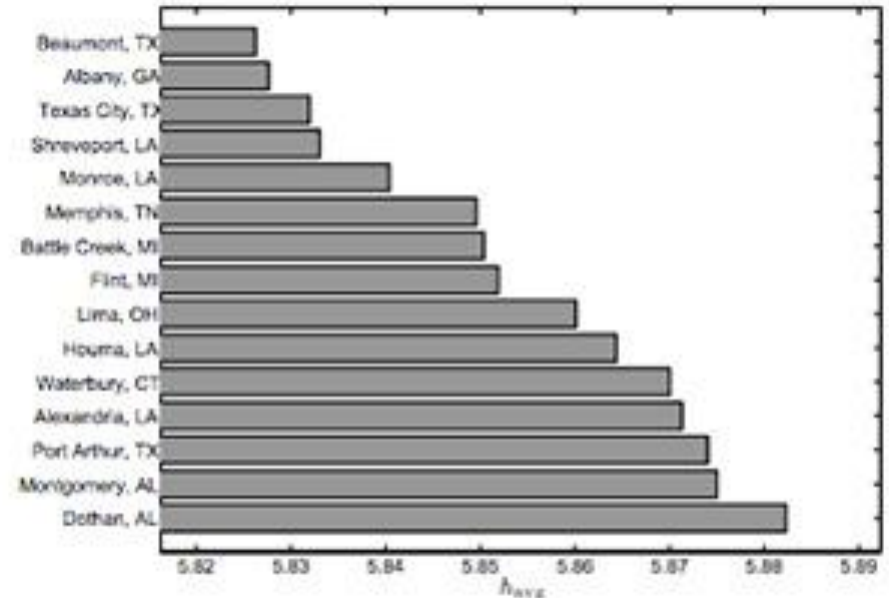


FIG. 8: The 15 lowest average word happiness scores h_{avg} for cities in the contiguous USA, as calculated using (1) and the LabMT word list.