

Supporting BIODIVERSITY through Planning Department efforts

April 11, 2019



AGENDA

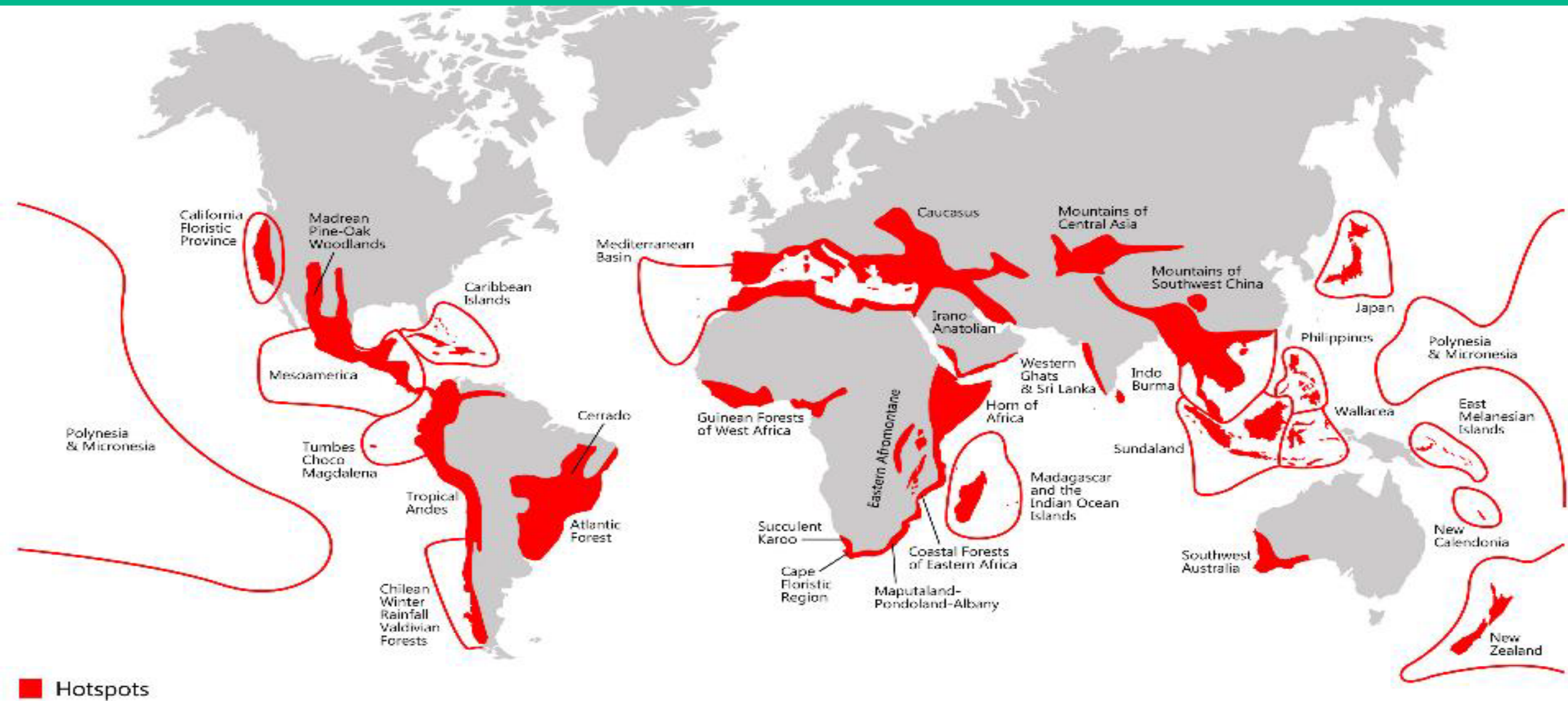
1. Biodiversity, Why Do We Care?
2. San Francisco Biodiversity Policy
3. Planning Department Biodiversity Highlights: Successes & Opportunities
4. Planning Department Biodiversity Resolution Overview





1. BIODIVERSITY, WHY DO WE CARE?

Global “Hot Spots” -- Significant & Threatened Biodiversity



The Bay Area's Unique Diversity



Today's Biodiversity Remnants



San Francisco's Complex Ecosystem of Species

- Birds 350
- Land Mammals 22
- Reptiles & Amphibians 12
- Butterflies 35
- Bees 150
- Plants 468
 - CA Rare Plants 22
 - Federally Endangered 10



Our Built and Natural Environments



Turning Grey to Green -- and Green to Biodiverse



A photograph of a forest scene. In the foreground, several large, gnarled tree trunks are covered in thick, light-colored moss or lichen. The trunks are dark brown and have a rough, textured appearance. The background is filled with a dense canopy of green leaves, creating a lush and vibrant atmosphere. The lighting is soft, suggesting a dappled sunlight filtering through the trees.

2. SAN FRANCISCO BIODIVERSITY POLICY

City Department Collaboration and Commitment



SF Environment

Our home. Our city. Our planet.



San Francisco
**Water
Power
Sewer**

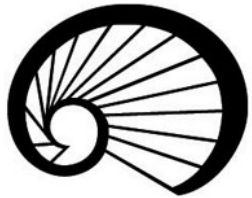
Services of the San Francisco
Public Utilities Commission



San Francisco
International
Airport



office of
COMMUNITY INVESTMENT
and INFRASTRUCTURE

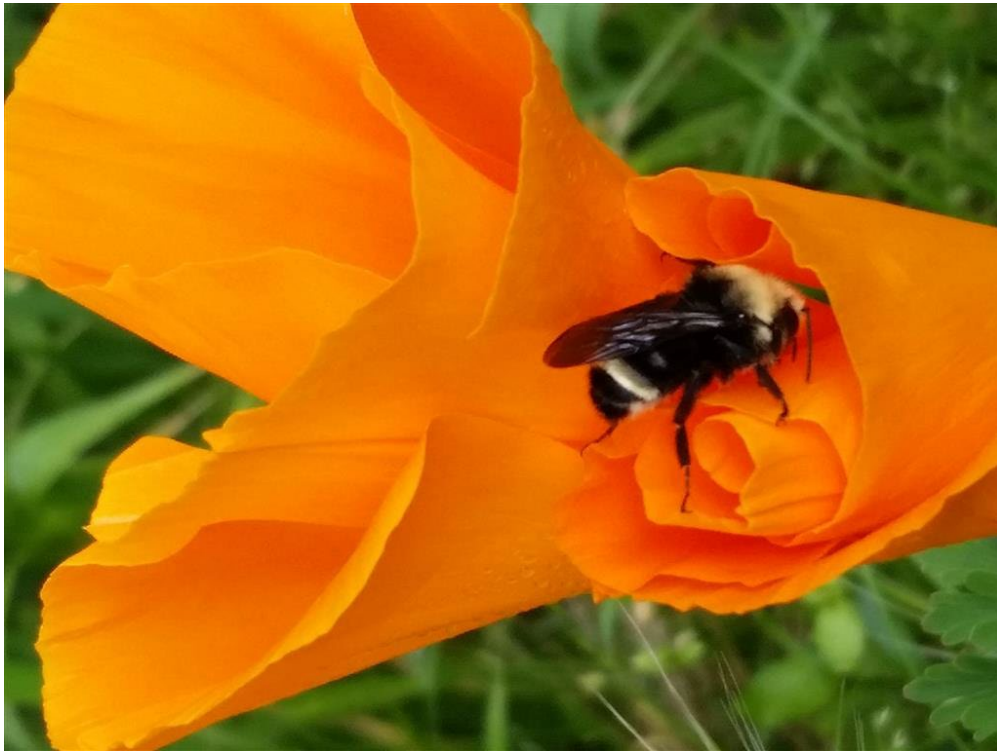


San Francisco Public Library



San Francisco Biodiversity Vision

San Francisco is a place where our local biodiversity thrives in climate-resilient ecosystems that integrate healthy native wildlife and plant habitats throughout our city's physical environment, connecting ALL San Franciscans to nature daily and inspiring stewardship of our unique natural heritage in every neighborhood.



San Francisco BOS Biodiversity Resolution Summary

- Passed unanimously by the Board of Supervisors April 2018
- Establishes local biodiversity as a citywide priority (vision)
- Posits a framework for robust interagency collaboration for nature
- Requests department-level biodiversity surveys and public commitments for action from 15 City agencies
- Outlines key process elements and tools for moving forward



Biodiversity Goals to Guide Our Efforts

1. Biologically Rich Ecosystems
2. Equitable Access and Experience
3. Ecological Planning and Design
4. Community Stewardship
5. Resilience and Sustainability



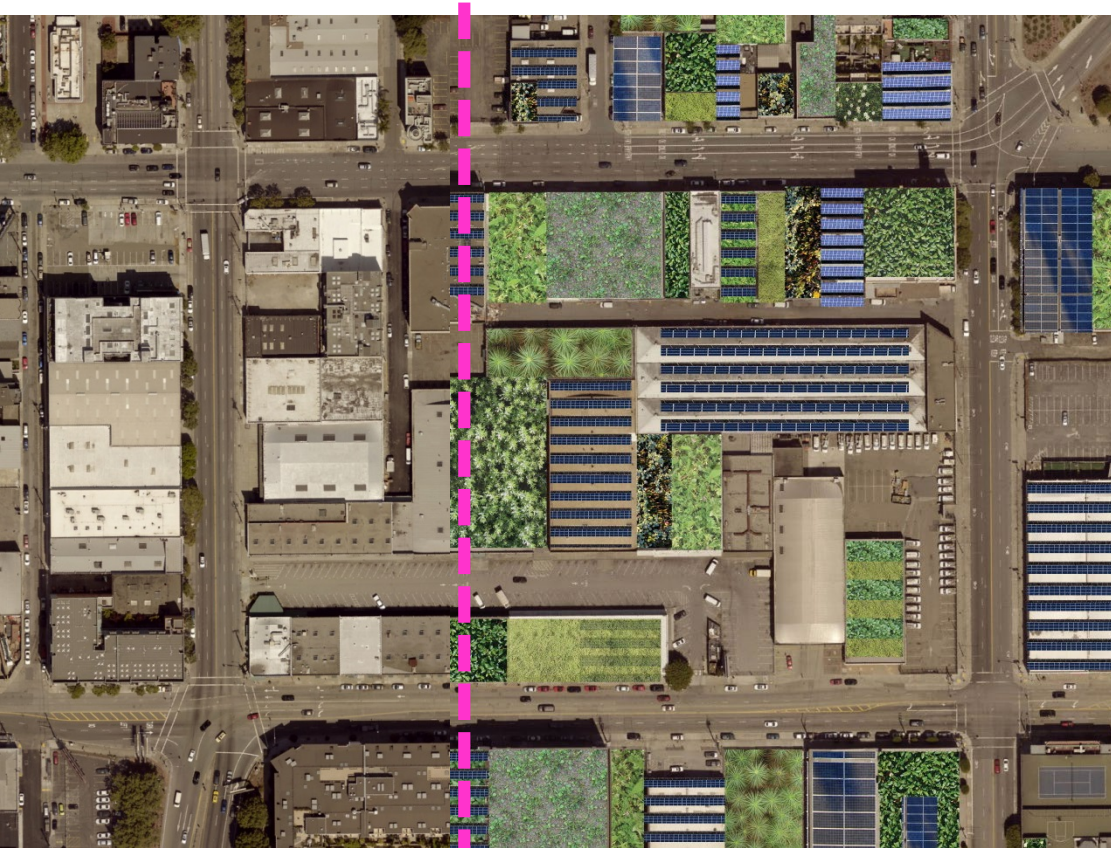


3. PLANNING'S HIGHLIGHTS & OPPORTUNITIES

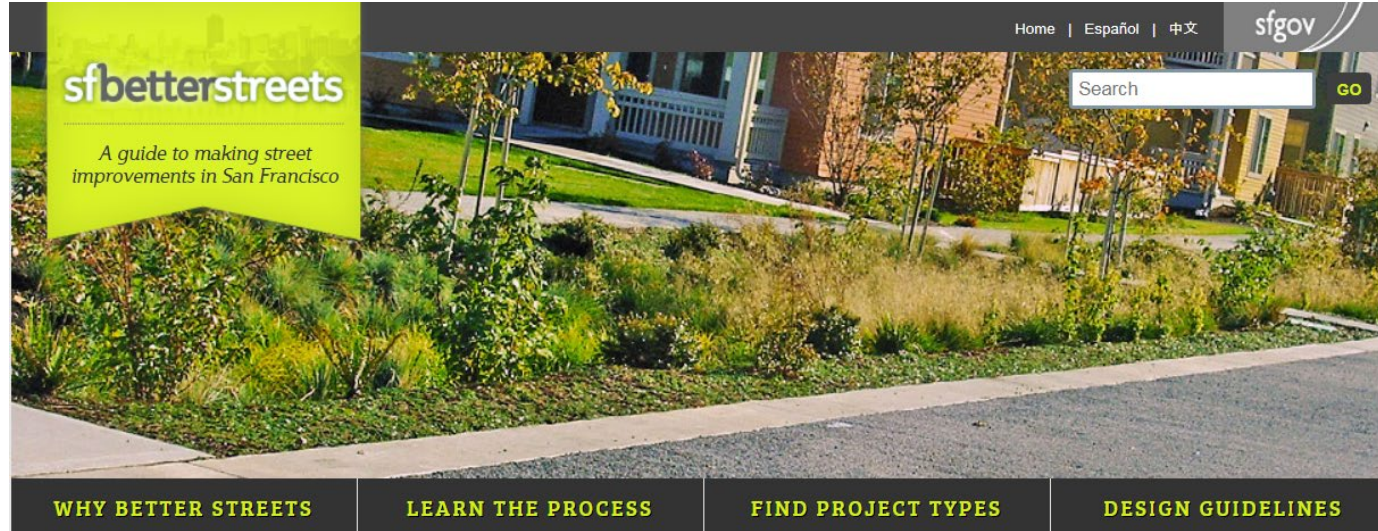
Planning Department Biodiversity Survey [October 2018]

EXISTING SUPPORT

- Better Roofs Ordinance & tools
- Central SoMa Plan



Planning Department Biodiversity Survey [October 2018]



EXISTING SUPPORT

- Better Streets Plan
- Standards for Bird Safe Buildings
- Urban Design Guidelines & Living Alley Tool Kit



SAN FRANCISCO
PLANNING
DEPARTMENT

DESIGN GUIDE

Standards for Bird-Safe Buildings

THE FACTS

Over 100 million bird deaths annually

Reflective, transparent materials cause hazardous collisions

Birds attempt to reach shelter, food and migratory paths reflected in glass

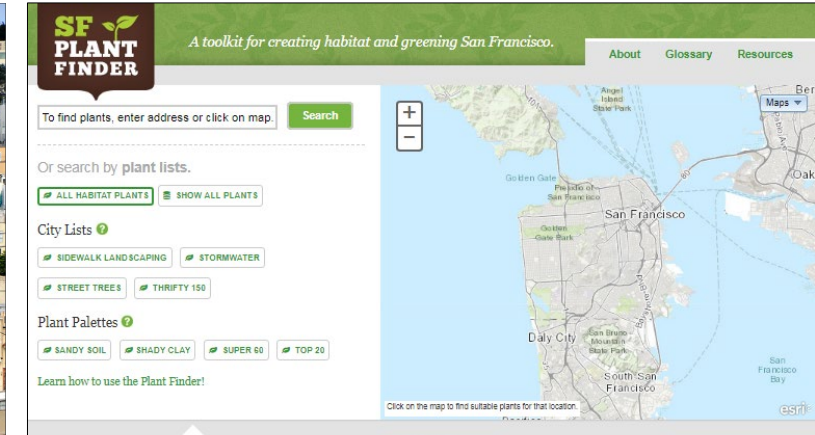


San Francisco
Planning

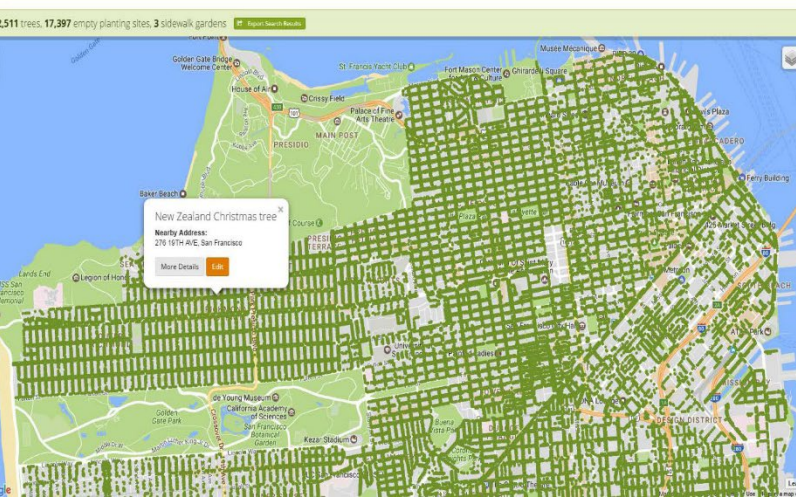
Planning Department Biodiversity Survey [October 2018]

PLANS & TOOLS COORDINATED WITH THE BIODIVERSITY WORK ORDER

- SF PlantFinder
- Urban Forest Plan
- Street Tree Census
- Green Connections



STREET TREE CENSUS - NATIVE TREES ANALYSIS



Native Species

California

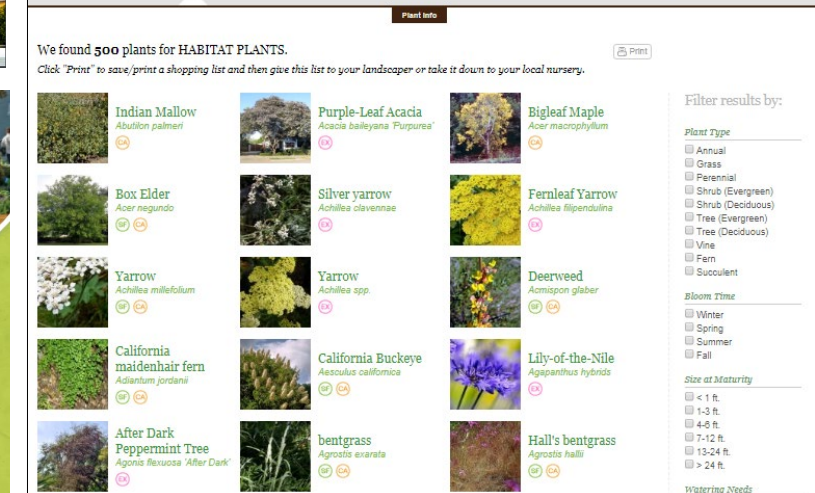
- 62 Species

Bay Area

- 13 species

San Francisco

- 12 species



Planning Department Biodiversity Survey [October 2018]

ONGOING & FUTURE OPPORTUNITIES

- Biodiversity Design Guidelines
- GIS Unprotected Lands Database
- Sidewalks, Streets, and Public Open Space Greening
- Yards & Private Open Space Greening
- Urban Forest Planning & Implementation
- Climate Resilience (mitigation/
carbon sequestration & adaptation)
- Ecological corridors & restoration within neighborhood and area planning



A scenic view of a grassy hillside overlooking a city skyline, likely San Francisco. The foreground is a steep, grassy slope with patches of green and brown. In the middle ground, there are residential buildings and trees. In the background, the city skyline is visible, including the Transamerica Pyramid and other skyscrapers, with the bay and distant hills in the distance. The sky is blue with some clouds.

4. PLANNING'S RESOLUTION OVERVIEW

Planning Department & Planning Commission Purview

- Maintain an extraordinary vision for the physical and social city
- Foster exemplary land use, planning, and design controls
- Improve our surrounding environment
- Preserve our unique heritage
- Review impacts to biological resources (CEQA)
- Collaborate with land-owning and implementation agencies



Proposed Resolved Clauses

ENHANCE PLANNING CODE ELEMENTS

- Implement and improve Bird Safe Standards & co-benefits
- Prioritize native and non-native/non-invasive plants in required greening
- Increase City greening through various open space requirements

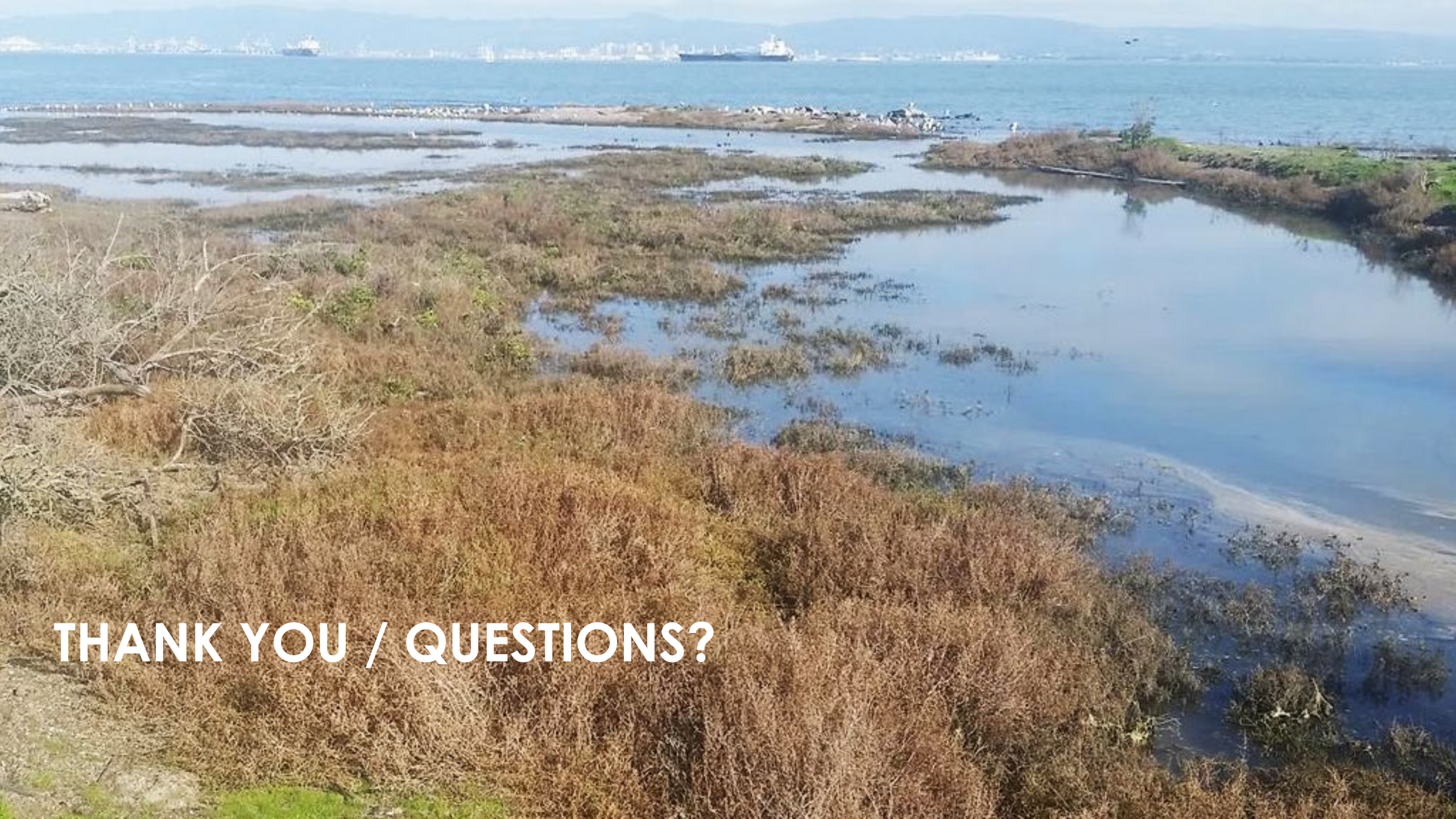
ENABLE & APPLY A BIODIVERSITY LENS

- Staff Biodiversity Training
- Project review and approvals with tools

INTER-AGENCY COLLABORATION

- Biodiversity Design Guidelines
- Data contributions
- Commitment to green the built environment





THANK YOU / QUESTIONS?