



**SF Environment**

**Our home. Our city. Our planet.**

A Department of the City and County of San Francisco

# Climate Adaptation in San Francisco

## January 2014

### Cal Broomhead



# Impacts – Sea level rise



January 2nd



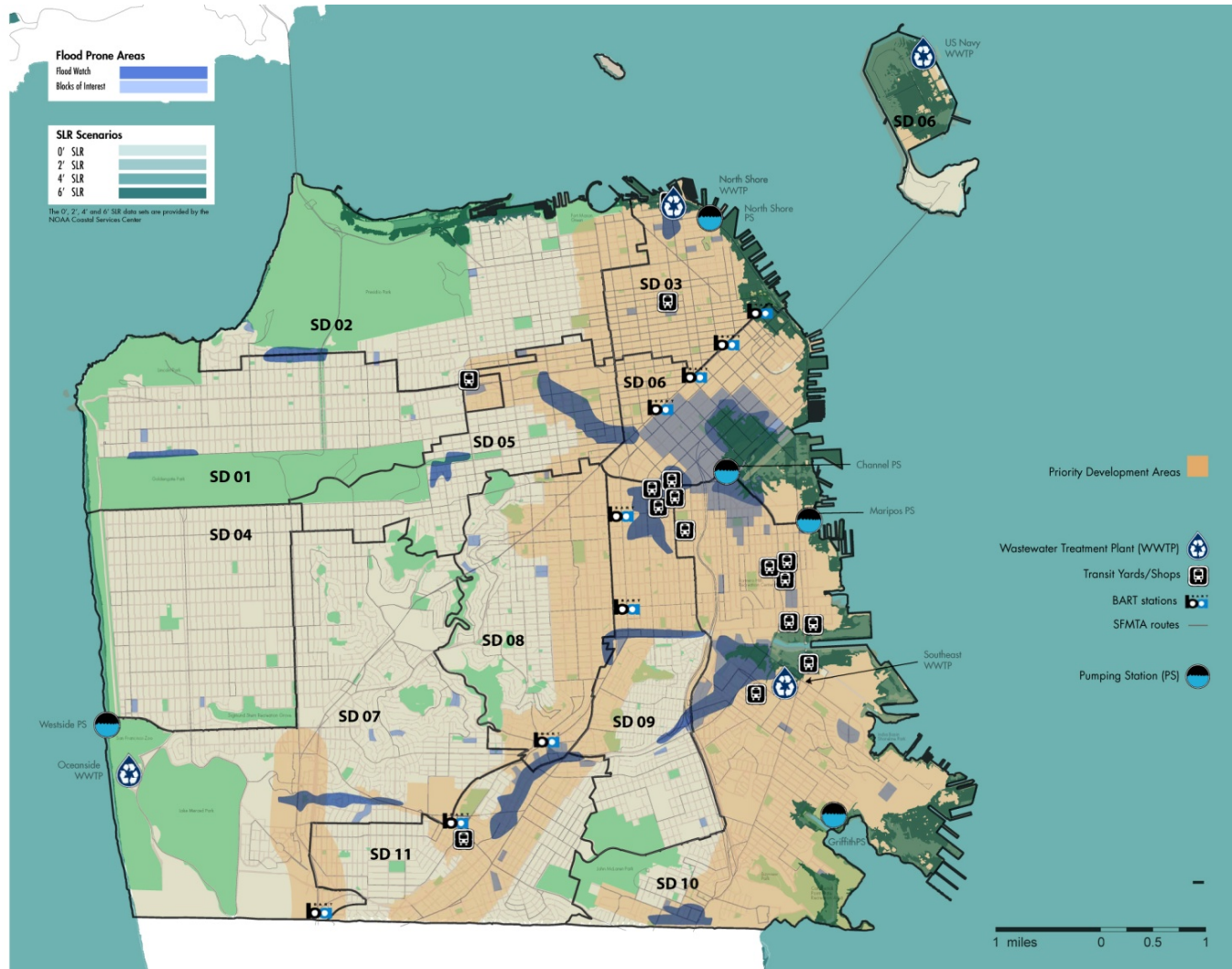
January 20th



January 24th



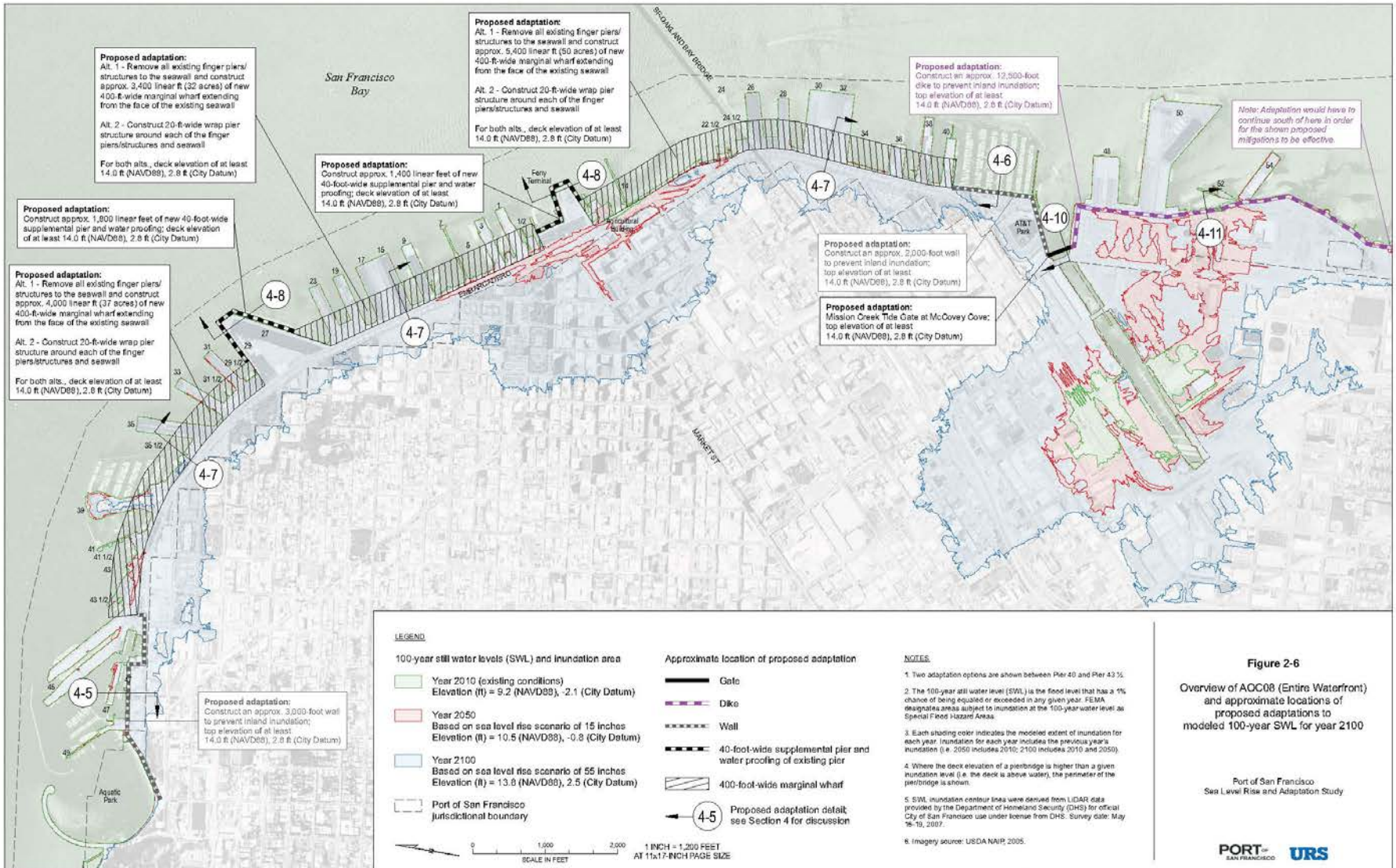
# Current flooding and sea level rise risks



# SFPUC: Wastewater

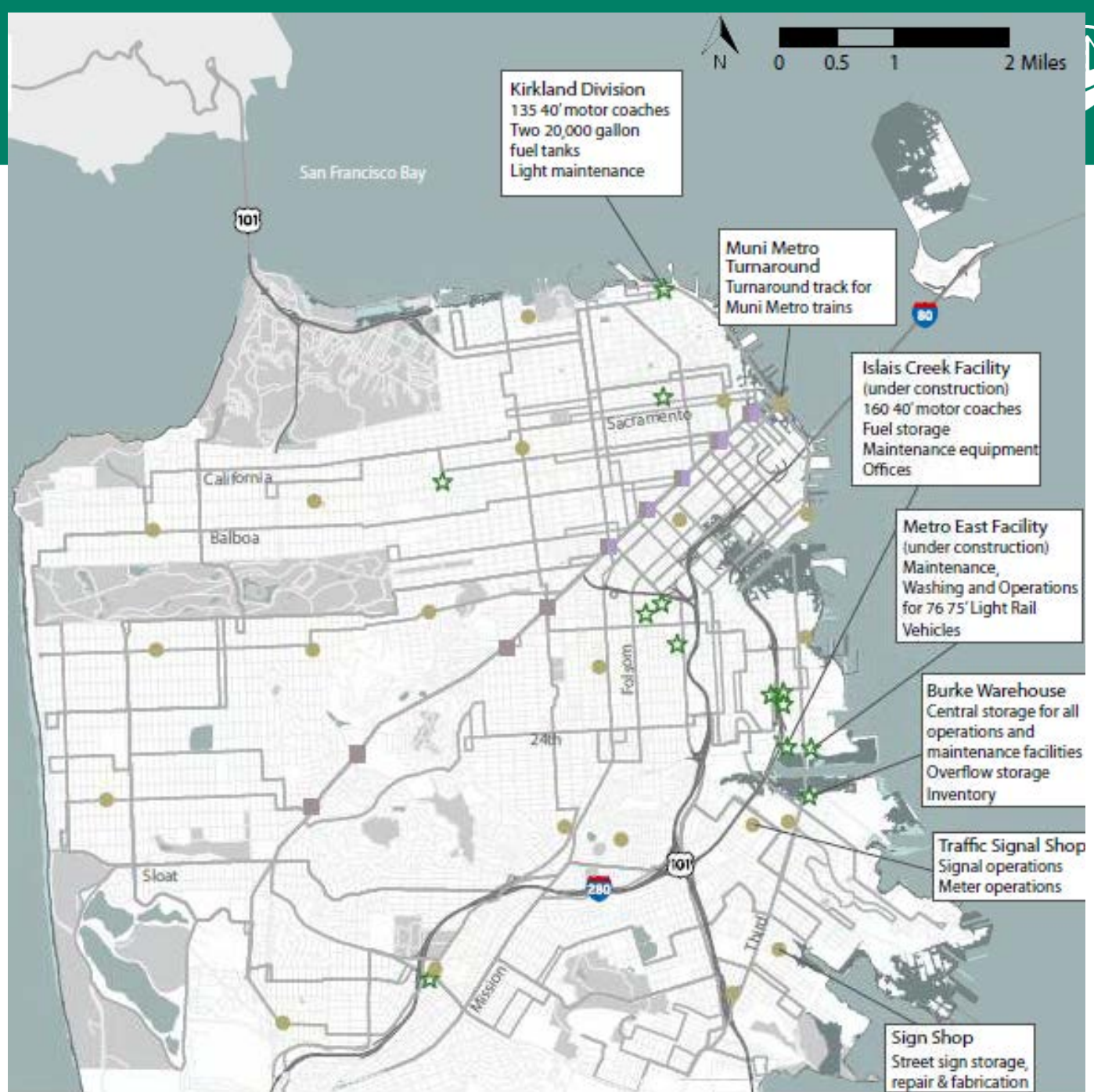


# Port



# SFO

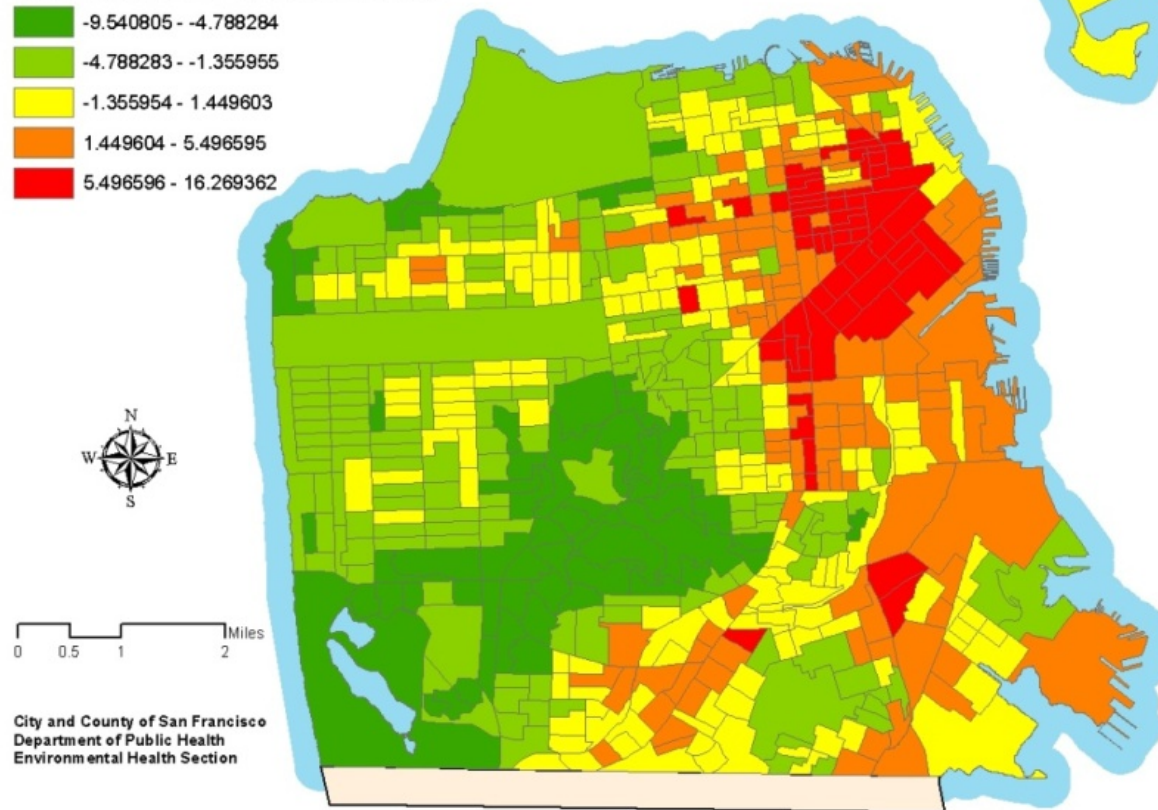






## Heat Vulnerability Index by Census Block Group San Francisco, CA

Sum of factor scores, varimax rotated



City and County of San Francisco  
Department of Public Health  
Environmental Health Section



# SFPUC: Water Supply



# Power Shortage





# Action

- SF Adapt: coordinating meetings of City departments
- First priority: 10 year capital plan
- Subcommittees where multi-departmental coordination is required:
  - Sea Level Rise
  - Heat and Health
  - Energy Assurance
- Engage community stakeholders
- Engage regional experts and agencies



# Solutions: Nature based & GHG reducing

An MTA slide



NY MTA, raised storm grates prevent subway flooding



Bio-swales decrease flooding and increase filtering/storm resilience

# Regional Efforts



- Joint Policy Committee:
  - Bay Area Climate and Energy Resilience Project
- Bay Area Council
- UC Davis, UC Berkeley, Stanford

# Thank You



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