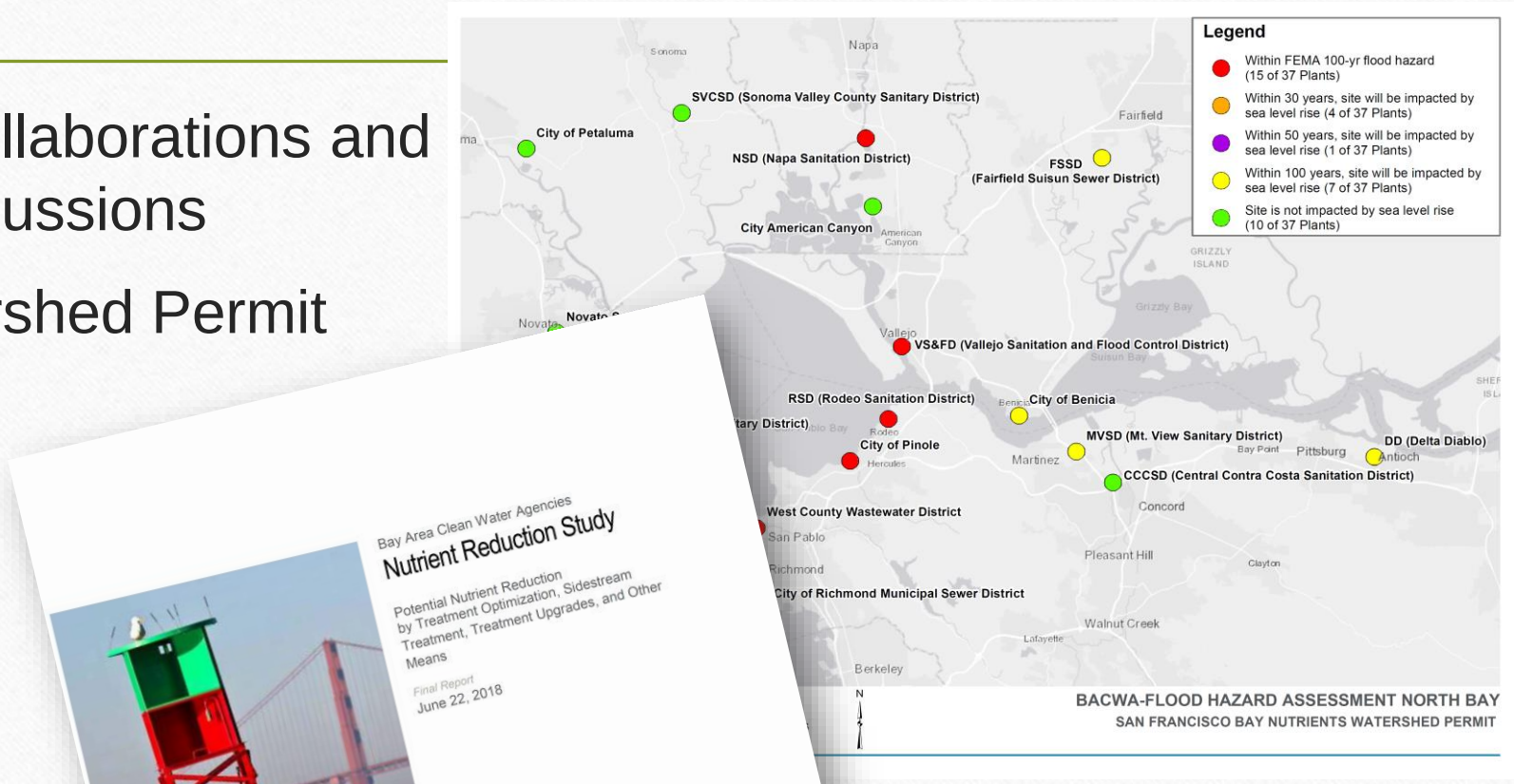
BACWA
BAY AREA
CLEAN WATER
AGENCIES

Hot Topics

Climate Change Surveys

BACWA Climate Change Work

- Committee Collaborations and Technical Discussions
- Nutrient Watershed Permit



Regional Collaboration

BAY ADAPT
REGIONAL STRATEGY FOR A RISING BAY

BayCAN
BAY AREA CLIMATE ADAPTATION NETWORK

CHARG

CLIMATE READY
SAN MATEO COUNTY

Wastewater
Climate Change Plan

June 2020

EBMUD

Proposed North Richmond Shoreline Living Levee Project

PALO ALTO HORIZONTAL LEVEE PILOT PROJECT
Preliminary Design Report

Prepared for
City of Palo Alto
San Francisco Estuary Partnership

December 2019

ESA

South San Francisco Bay Shoreline Project

Proposed San Leandro WPCP Shoreline Resiliency Project

SCAPE
ARCADIS
CONVEY
RE:FOCUS
SFEI

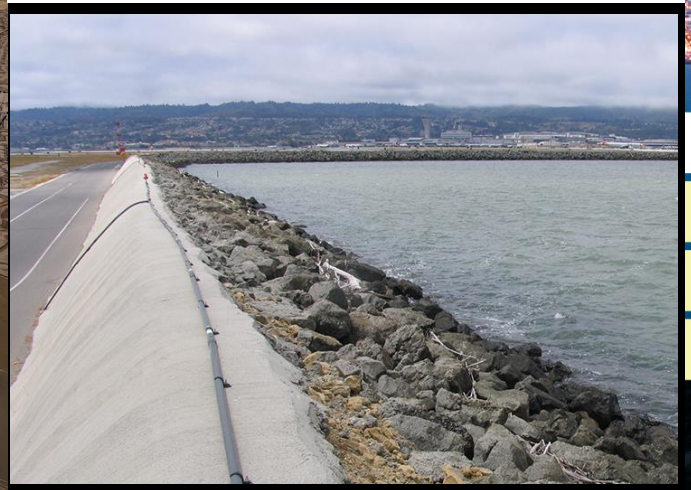
HAYWARD REGIONAL SHORELINE ADAPTATION MASTER PLAN

FOR THE HAYWARD AREA SHORELINE PLANNING AGENCY (HASPA)

PART OF A JOINT POWERS AGREEMENT OF THE CITY OF HAYWARD, HAYWARD AREA RECREATION AND PARK DISTRICT, AND EAST BAY REGIONAL PARK DISTRICT

HAYWARD REGIONAL SHORELINE MASTER PLAN

SUBMITTED FEBRUARY 2021



Proposed SFO Shoreline Protection Program

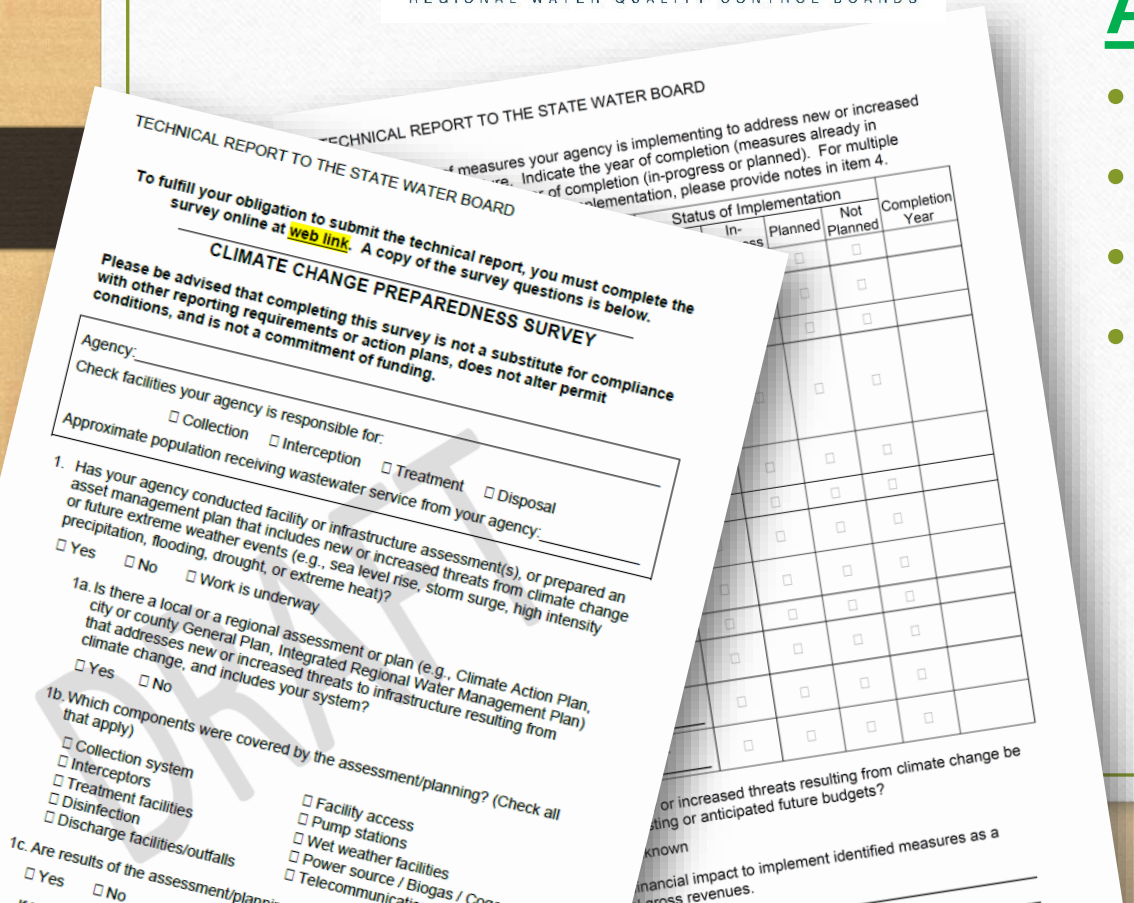
Climate Change Surveys Coming in 2021

CALIFORNIA
WATER BOARDS
San Francisco Bay - R2

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

State Water Board Climate Change Survey


TECHNICAL REPORT TO THE STATE WATER BOARD

To fulfill your obligation to submit the technical report, you must complete the survey online at web link. A copy of the survey questions is below.

CLIMATE CHANGE PREPAREDNESS SURVEY

Please be advised that completing this survey is not a substitute for compliance with other reporting requirements or action plans, does not alter permit conditions, and is not a commitment of funding.

Agency:

Check facilities your agency is responsible for:

☐ Collection ☐ Interception ☐ Treatment ☐ Disposal

Approximate population receiving wastewater service from your agency:

1. Has your agency conducted facility or infrastructure assessment(s), or prepared an asset management plan that includes new or increased threats from climate change or future extreme weather events (e.g., sea level rise, storm surge, high intensity precipitation, flooding, drought, or extreme heat)?

☐ Yes ☐ No ☐ Work is underway

1a. Is there a local or a regional assessment or plan (e.g., Climate Action Plan, city or county General Plan, Integrated Regional Water Management Plan) that addresses new or increased threats to infrastructure resulting from climate change, and includes your system?

☐ Yes ☐ No

1b. Which components were covered by the assessment/planning? (Check all that apply)

☐ Collection system
☐ Interceptors
☐ Treatment facilities
☐ Disinfection
☐ Discharge facilities/outfalls
☐ Facility access
☐ Pump stations
☐ Wet weather facilities
☐ Power source / Biogas / Cog
☐ Telecommunicati

1c. Are results of the assessment/planni

☐ Yes ☐ No

measures your agency is implementing to address new or increased
Indicate the year of completion (measures already in
of completion (in-progress or planned). For multiple
lementation, please provide notes in item 4.

Status of Implementation			Completion Year
In-	Planned	Not Planned	
☐	☐	☐	

or increased threats resulting from climate change be
ting or anticipated future budgets?

known

nancial impact to implement identified measures as a
ross revenues.

Audience

- Collection
- Interception
- Treatment
- Disposal

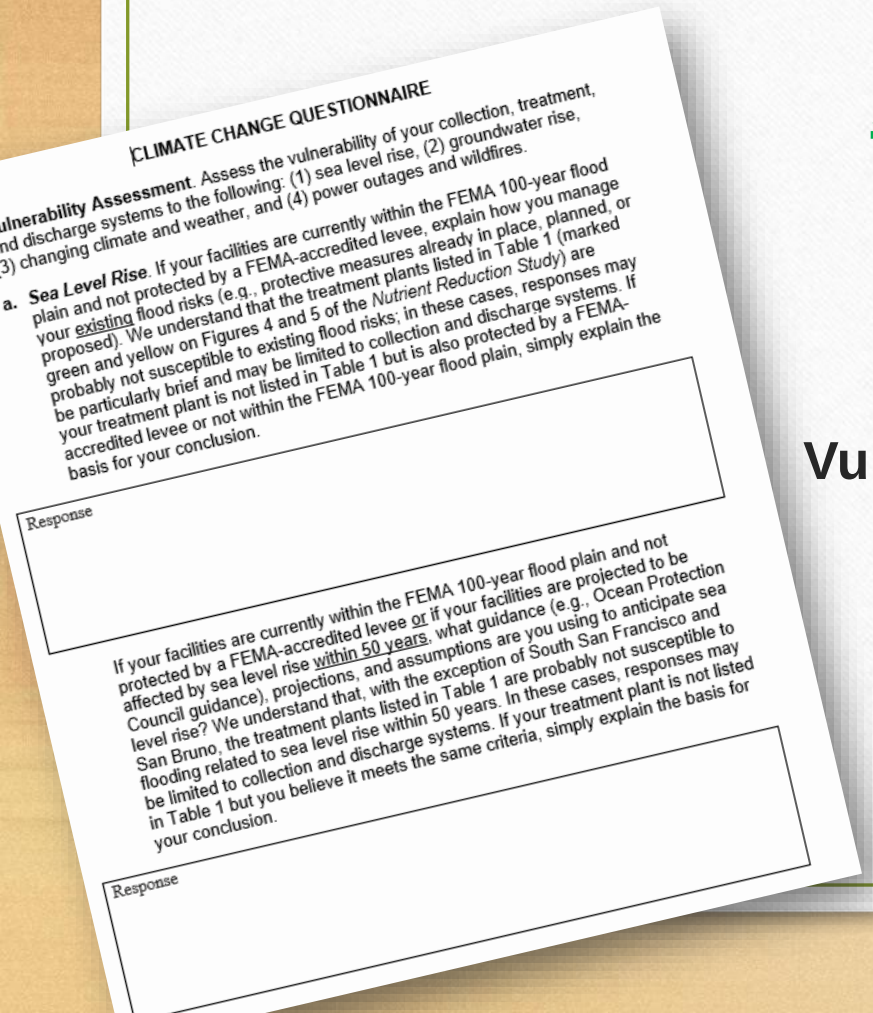
Format

- Check-box
- Short answer
- Provide links

Topics

- Infrastructure Assessment
- Implementation of risk reduction measures
- Financial Impact

Regional Water Board Climate Change Survey



CLIMATE CHANGE QUESTIONNAIRE

ulnerability Assessment. Assess the vulnerability of your collection, treatment, nd discharge systems to the following: (1) sea level rise, (2) groundwater rise, 3) changing climate and weather, and (4) power outages and wildfires.

a. ***Sea Level Rise***. If your facilities are currently within the FEMA 100-year flood plain and not protected by a FEMA-accredited levee, explain how you manage your existing flood risks (e.g., protective measures already in place, planned, or proposed). We understand that the treatment plants listed in Table 1 (marked green and yellow on Figures 4 and 5 of the *Nutrient Reduction Study*) are probably not susceptible to existing flood risks; in these cases, responses may be particularly brief and may be limited to collection and discharge systems. If your treatment plant is not listed in Table 1 but is also protected by a FEMA-accredited levee or not within the FEMA 100-year flood plain, simply explain the basis for your conclusion.

Response

If your facilities are currently within the FEMA 100-year flood plain and not protected by a FEMA-accredited levee or if your facilities are projected to be affected by sea level rise within 50 years, what guidance (e.g., Ocean Protection Council guidance), projections, and assumptions are you using to anticipate sea level rise? We understand that, with the exception of South San Francisco and San Bruno, the treatment plants listed in Table 1 are probably not susceptible to flooding related to sea level rise within 50 years. In these cases, responses may be limited to collection and discharge systems. If your treatment plant is not listed in Table 1 but you believe it meets the same criteria, simply explain the basis for your conclusion.

Response

Audience

- Treatment

Format

- Open-Ended
- Short answer

Topics

Vulnerability Assessment:

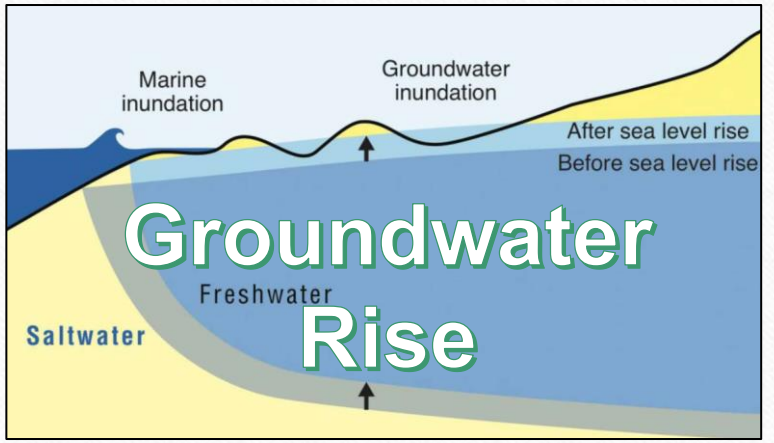
- Sea Level Rise
- Groundwater Rise
- Extreme Weather
- Power

Adaptation Strategies:

- Collaboration
- Infrastructure Improvements
- Monitoring
- Emergency Response Planning
- Finance

Vulnerability Assessment

Our Coast, Our Future tool www.ourcoastourfuture.org



University of Hawaii Manoa Coastal Geology Group

San Diego Regional Water Board

EPA

BACWA Support

- Feedback on Survey Design
- Member Collaboration at Committee Meetings
- Involvement in Next Steps