San Francisco Bay Conservation and Development Commission
455 Golden Gate Avenue, Suite 10600, San Francisco, California 94102 tel 415 352 3600 fax 415 352 3606

January 12, 2018

TO: Commissioners and Alternates

FROM: Lawrence J. Goldzband, Executive Director (415/352-3653; larry.goldzband@bcdc.ca.gov)
Steve Goldbeck, Chief Deputy Director (415/352-3611; steve.goldbeck@bcdc.ca.gov)

SUBJECT: **Staff Report and Recommendation on 2016 Annual Report**
(For Commission consideration on January 18, 2018)

Recommendation

The staff recommends that the Commission approve the attached text of BCDC's required annual report to the Governor and the Legislature.

Staff Report

Section 66661 of the McAteer-Petris Act requires the Commission to submit an annual report to the Governor and the Legislature summarizing the activities of the Commission during the calendar year. To meet this mandate, from 1970 until 2001 the Commission submitted comprehensive and lengthy annual reports. For example, the Commission's 2001 report was 29 pages long. It took about three months of work to collect the needed information and prepare these highly detailed reports. Unfortunately, the Commission has no staff dedicated exclusively to public education and outreach activities, such as preparing annual reports. Therefore, since 2002 the Commission has produced far shorter, summary reports that fully comply with the requirements of law and provides the Governor, the Legislature and the public with a satisfactory overview of the Commission's activities.

Therefore, the staff recommends that the Commission adopt the attached draft text, authorize the staff to make any minor editorial revisions needed for accuracy and clarity, and direct the staff to submit the 2016 Annual Report to the Governor, the Legislature and the public.

2016

ANNUAL REPORT

SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION

< Cover photograph courtesy of BCDC.

To protect and enhance
the San Francisco Bay,
and encourage the responsible
and productive use of its resources
for this and future generations.

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2016

ANNUAL REPORT

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INTRODUCTION

JANUARY 18, 2018

THE HONORABLE EDMUND G. BROWN JR., GOVERNOR

HONORABLE MEMBERS OF THE CALIFORNIA LEGISLATURE:

SUBJECT: 2016 ANNUAL REPORT

I am pleased to provide you with the 2016 annual report of the San Francisco Bay Conservation and Development Commission (BCDC), which summarizes the activities BCDC carried out during 2016 to implement the McAteer-Petris Act, the Suisun Marsh Preservation Act, the federal Coastal Zone Management Act, and the California Oil Spill Prevention and Response Act.

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Lawrence J. Goldzband

DEPUTY ATTORNEY GENERAL

Shari Posner

BCDC was created in 1965 in order to prevent the Bay from shrinking due to local policies that encouraged unneeded landfill projects. Under the Commission's stewardship, the century-long diking, draining and filling that had reduced the Bay's size by one-third has ended. Over the past 51 years, BCDC has authorized almost 29 square miles of Bay habitat restoration, 157 miles of new public trails along the Bay shoreline, and over $22.5 billion in productive water¬front development. Last year alone the Commission approved $1.8 billion in new development, which will make over eight and a half more miles of the Bay's waterfront available for public use and enjoyment. The projects approved in 2016 will enlarge the Bay by approximately 420 acres.

Now, global warming is present¬ing a new challenge for the Commission. Accelerated sea level rise that will make the Bay larger threatens waterfront communities, infrastructure, businesses, and natural resources. In 2016, BCDC continued to address the vulnerability of proposed projects to rising sea level and require adaptation measures as part of the Commission's permit process, led projects and provided assistance through the Commission's Adapting to Rising Tides Program, evaluated the effects of BCDC's laws and policies on sea level rise adaptation through the Policies for a Rising Bay project, held a Commissioner workshop series to determine the actions the Commission should take to address rising sea levels, and participated in the region's Resilient by Design effort. Additionally, BCDC partnered with the Metropolitan Transportation Commission and the Bay Area Regional Collaborative on a successful grant submittal to Caltrans and is working on a three-year, $1.2 million project to assess the vulnerability of the region's transportation, housing, natural areas, and social justice issues to develop adaptation strategies to respond to their vulnerabilities.

V Commission workshop. Photograph courtesy of BCDC.

In addition to the attached statistical summary of our work in 2016, the following are some of BCDC's most important accomplishments last year.

FURTHER IMPLENTATION OF THE STRATEGIC PLAN

LEADERSHIP IN CLIMATE RESILIENCE

STRATEGIC PLAN: Staff continued to implement a far-reaching Strategic Plan including goals and objectives adopted by the Commission in 2013. With Executive Director and Senior Staff oversight, staff continued to work toward accomplishing both broad and specific Goals and Objectives. In 2017, the Commission will be updating that Strategic Plan.

Just as BCDC provides strong planning, regulatory, and enforcement leadership in the Bay Area, pursuant to AB 2094 (2008) the Commission continues to serve as the Bay Area's leader (and a leader internationally) in regional climate resilience and adaptation strategy development with particular emphasis on addressing rising sea level.

^ Photograph by Shira Bezalel, SFEI.

As part of this rising sea level initiative in 2016 BCDC accomplished the following:

- The Adapting to Rising Tides Program continued to lead and support sea level rise vulnerability and adaptation projects around the region. The ART Program team completed the Oakland/Alameda Resilience Study, continued work on the Contra Costa County ART Project, and provided support to the City of Oakland, the City and County of San Francisco, the Port of San Francisco, San Mateo County, Marin County, the City of San Rafael, the City of Richmond and other jurisdictions and organizations around the region.

- BCDC initiated a public Commissioner Workshop Series to identify the actions that the Commission should take in coming years to address rising sea level. Five out of ten total workshops were held in 2016, and the other five are scheduled for 2017. The workshops in the series were designed to inform, engage and provide a forum for participation by both the Commission and the public. The first workshop focused on the Commission's 2011 update to the Bay Plan to address climate change and sea level rise, the second workshop presented the regional issues associated with climate change and sea level rise, and the third workshop provided participants with opportunity to select the actions that the Commission should prioritize. The fourth workshop presented the staff recommendations for action to the Commission based on the outcomes of the third workshop. Building off the fourth workshop, on October 6, 2016, the Commission adopted a set of eight specific recommendations and associated actions for advancing resilience in the region (www.bcdc.ca.gov/cm/2017/SLR-Policy-Recommendations.html). The fifth workshop provided participants an opportunity to discuss implementation pathways for the identified adaptation actions. The workshop series will continue to engage the Commission and the public in 2017.

V Port of Oakland. Photograph courtesy of BCDC.

Photograph courtesy of BCDC.

- BCDC continues to participate in important partnerships that leverage regional capacity to address climate change:
    - Participated in the State Coastal Leadership Group, led by the California Natural Resources Agency, to coordinate coastal agency activities, including implementation of the ocean and coastal resources component of the California Climate Adaptation Strategy Safeguarding California and development of an update to the State Sea Level Rise Guidance;
    - Continued its active partnership with the U.S. Geological Survey, which uses funding provided by the U.S. Army Corps of Engineers to study sediment transport in the Bay, which is a key process affecting how wetlands adapt to a rising Bay;
    - Continued to work closely with MTC, Caltrans, BART, Capitol Corridor and other transportation agencies in the region to assess vulnerabilities, identify adaptation strategies, increase communication to others such as the county congestion management agencies on the risks from sea level rise;
    - Continued our strong partnership with the National Oceanic and Atmospheric Administration on the Adapting to Rising Tides Program's tools, approaches and planning process;
    - Began to more closely coordinate with FEMA, the other Coastal Zone Management Agencies (California Coastal Commission and the California Coastal Conservancy) and NOAA on aligning California's Coastal Management Agency's efforts on reducing the risks associated with current and future hazards;
    - Partnered with MTC to develop the ART Inundation Maps for all nine counties in the region;
    - Continued to strengthen the partnership among the regional agencies through the Bay Area Regional Collaborative (Metropolitan Transportation Agency, Association of Bay Area Governments, the Bay Area Air Quality Management District, with the addition of the California Coastal Conservancy) to develop a supplemental report on resilience for the 2017 Plan Bay Area, the region's Sustainable Communities Strategy;
    - Participated as a managing partner on Resilient by Design, a regional design challenge to address rising sea levels.

PLANNING

BCDC addressed the following significant planning issues in 2016:

- Completed the Policies for a Rising Bay Project, a comprehensive assessment of the Commission's Bay fill policies to determine: (1) how they affect shoreline adaptation proposals; (2) how they achieve the Commission's Bay protection objectives; and, (3) whether changes to the policies may be needed. A steering committee representing a wide range of economic and social interests was an integral part of the project and identified issues and concerns and possible policy options. Staff will continue to work with steering committee members and others on the issues identified and present the Commission with recommendations for next steps based on the project's outcomes.

- The Commission's Bay Fill Policies Working Group continued to evaluate the issues associated with BCDC's fill policies and possible conflicts with the type and scale of adaptation strategies that will be needed to reduce the risks associated with rising sea levels and looks forward to presenting to the full Commission in 2017.

- Completed the Central San Francisco Bay's Regional Sediment Management Plan and Summary of the Sediment Science Workshop (held in late 2015). Both documents provide information and guidance about the Bay's sediment system, and how it affects shoreline and habitat resilience. The Central Bay Regional Sediment Management Plan includes regional challenges and opportunities, as well as recommended management actions. The Sediment Science Workshop prioritized management questions for the research community relating to risk and resilience, sediment budgets, sediment transport and fate. This document is the precursor to a sediment monitoring and research plan for the Bay.

- Participated in the Port of San Francisco's Waterfront Working Group, an led by the Port of San Francisco to assess the need to change the Port's Waterfront Land Use Plan due to changing conditions that include the redevelopment of much of the waterfront, rising sea levels, the cost of maintaining and repairing existing Port resources, the need to seismically retrofit the Port's seawall and other issues. This effort will likely lead to an amendment to the Commission's San Francisco Waterfront Special Area Plan in 2017 or 2018.

- Continued to work on an update to the Suisun Resource Conservation District's Local Protection Plan in the Suisun Marsh to ensure that the land uses and resource management strategies being used in the marsh are consistent with conserving marsh resources.

- THE ADAPTING TO RISING TIDES (ART) PROGRAM. During 2016, the ART Program achieved the following milestones:

  - Provided technical assistance and planning support to: (1) Caltrans in assisting with a vulnerability assessment being conducted by a consultant and presenting to its Planning Staff and their Sea Level Rise Team; (2) the City of Oakland on its Sea Level Rise Roadmap and other resilience work; (3) the County of San Mateo throughout its county-wide transportation assessment; (4) the Port of San Francisco in its San Francisco Waterfront Working Group; (5) San Francisco MTA on an approach for its vulnerability assessment; (6) the City of Richmond's Climate Adaptation Plan; (7) the City of San Rafael's public engagement on sea level rise; (8) Marin County's outer coast and Bayside vulnerability assessments; (9) Resilient by Design by helping identify potential sites for a regional design challenge, maps and analysis; (10) the Resilient Communities Initiative to design a workshop on sea level rise; and, many other local, regional, state and federal agencies and organizations.

  - Completed a vulnerability assessment and developed adaptation strategies for the area around the Oakland Coliseum, Oakland International Airport and Bay Farm Island, known as the Oakland/Alameda Resilience Study.

  - Continued to lead the Contra Costa County ART Project, assessing multiple assets with a broad working group of stakeholders and partners.

  - Continued to update and maintain the ART Portfolio, the website initiated in late 2015 to provide tools, approaches, findings, project updates and other information to help inform and assist others with sea level rise adaptation nationally.

  - Partnered with MTC and BARC on a successful grant submittal to Caltrans for its regional adaptation planning effort. Caltrans awarded MTC and BCDC $1.2 million to assess the vulnerability of transportation assets and services, Priority Development Areas, Priority Conservation Areas and communities with characteristics that make them more vulnerable to flooding. This three-year effort began in the fall of 2016 and will end in the Summer of 2019.

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Photograph courtesy of the Regional Monitoring Program at SFEI. >

LITIGATION

On September 22, 2016, the California Attorney General filed a lawsuit on behalf of the Commission in federal district court in San Francisco to compel the United States Army Corps of Engineers (Corps) to implement its 2017 San Francisco Bay operation and maintenance dredging program in accordance with the federal Coastal Zone Management Act (CZMA). *San Francisco Bay Conservation and Development Commission v. United States Army Corps of Engineers, N.D. Cal. Case No. 3:16-cv-05420-RS.*

The CZMA requires the Corps' dredging program to be consistent to the maximum extent practicable with the state's federally-approved coastal zone management program, of which the Commission's San Francisco Bay Plan is a part. The lawsuit details the Corps' refusal to comply with four conditions of the Commission's concurrence with the Corps' consistency determination for its dredging program that promote the beneficial reuse of dredged material to create and bolster marshes and wetlands, and that protect the Bay's fish and wildlife resources and water quality. The Corps filed its answer to the Commission's complaint on December 21, 2016.

REGULATORY

The Commission issued and denied the following significant regulatory permits, permit amendments, and federal consistency determinations in 2016:

- To Oracle America, Inc., Centrum Owners Association and Oracle Corporation to construct a 64,000-square-foot educational facility and associated improvements, a new technical high school in the City of Redwood City, San Mateo County (Permit No. 1982.026.08).
- To State and Federal Contractors Water Agency and Westervelt Ecological Services, LLC to restore and enhance 420 acres of managed marsh to full tidal action, in the Suisun Marsh Primary Management Area in unincorporated Solano County. (Permit No. 2016.002.00md).
- To the Treasure Island Development Authority, Treasure Island Community Development LLC, and Treasure Island Series 1, LLC to construct a 367-acre mixed-use development, a ferry terminal, waterfront parks, and associated improvements on Treasure Island and Yerba Buena Island in the City and County of San Francisco (Permit No. 2016.005.00).
- To the San Francisco Bay Area Water Emergency Transportation Authority and the Port of San Francisco to construct ferry berthing facilities over the Bay and install new piles and decking over the Bay to the create a plaza and improve existing passenger waiting areas in the City and County of San Francisco (Permit No. 2016.001.00).
- To the California Department of Transportation to install a bicycle and pedestrian trail and a new vehicular travel lane on the Richmond-San Rafael Bridge, in the City of San Rafael, Marin County, and the City of Richmond, Contra Costa County. (Permit No. 1997.001.04).
- To Trux Airlines Cargo Services, Park SFO, LLC, Robert Simms, and the City of South San Francisco to construct an airport parking facility in the City of South San Francisco, San Mateo County (Permit No. 1998.011.05).
- Denied the Grand Marina Village Owners' Association application to divide the authorizations, duties and responsibilities of an existing permit between its co-permittees, in the City of Alameda, Alameda County (Permit No. 1983.005.15).

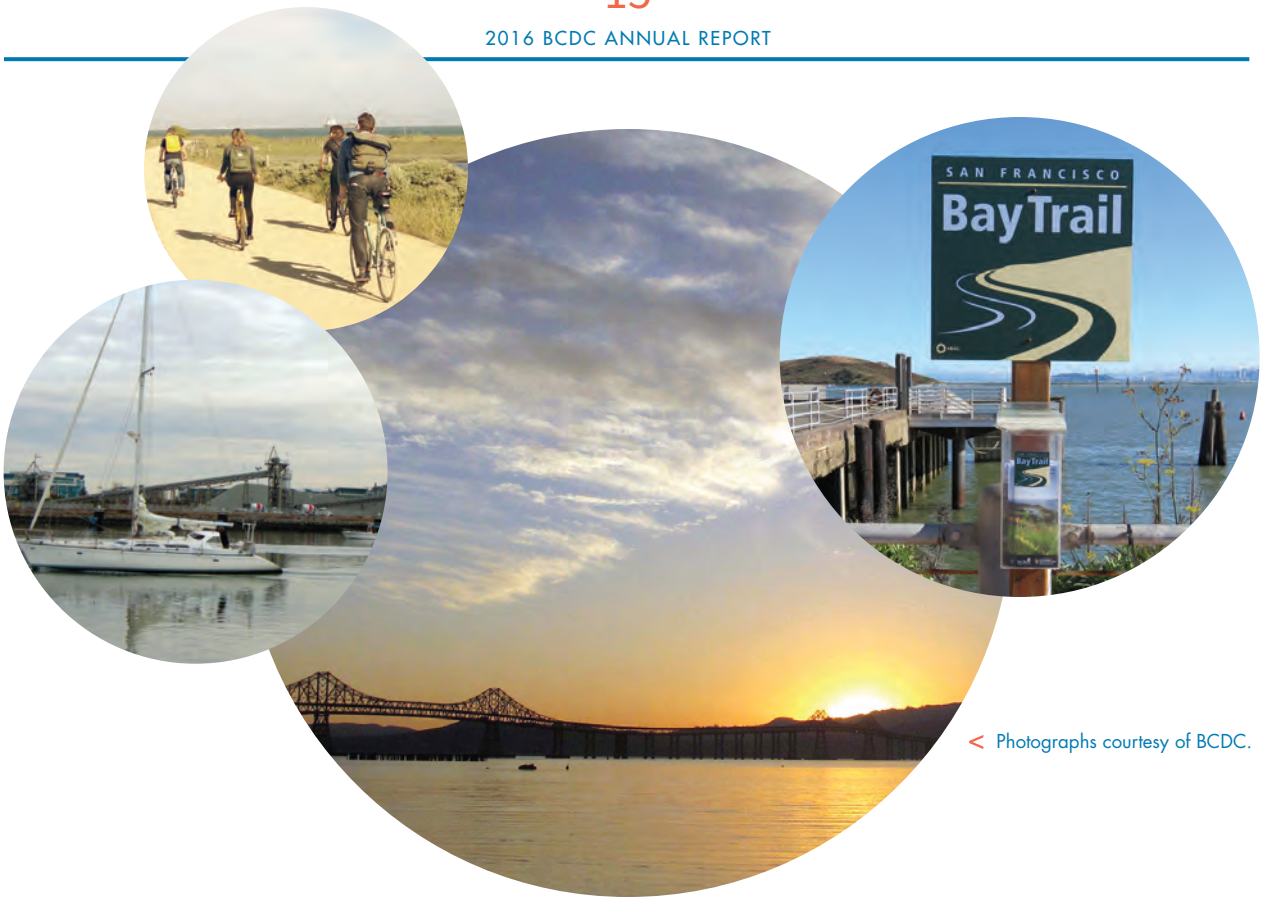
The Commission resolved the following significant Permit Enforcement matters in 2016:

- On August 4, 2016, the Commission voted to issue Stipulated Cease and Desist and Civil Penalty Order No. CCD2016-001 to Trux Airline Cargo Services and the City of South San Francisco for alleged violations at the Park SFO parking structure, located at 195 North Access Road, in the City of South San Francisco, San Mateo County. The respondents fulfilled 95 percent of their obligations under the Order by the end of 2016, including the payment of a $210,000 penalty.
- On October 20, 2016, the Enforcement Committee held a public hearing to consider a staff recommended enforcement strategy and policy to set enforcement priorities, improve compliance, improve regulatory and legal effectiveness, and use resources more efficiently. The strategy will continue to be refined through 2017.
- On November 3, 2016, the Commission voted to issue Stipulated Cease and Desist and Civil Penalty Order No. CCD 2016.04 that would be issued to Marina Village Associates, LLC to resolve alleged fill and public access violations at Loch Lomond Marina located at 110 Loch Lomond Drive, in the City of San Rafael, Marin County. The respondents are in the process of implementing the requirements of the Order; they have paid their $200,000 penalty.
- On November 3, 2016, the Commission voted to reject a proposed Stipulated Cease and Desist and Civil Penalty Order No. CCD 2016.03 that would have been issued to Scott's Jack London Seafood, Inc., and the Port of Oakland to resolve alleged violations at the Public Pavilion at Scott's Seafood Grill and Bar, located within Jack London Square in the City of Oakland, Alameda County. Staff unsuccessfully attempted to negotiate a revised agreement with the Respondents responsive to the Commission's direction, resulting in a formal enforcement proceeding in 2017.
- On November 17, 2016, the Commission voted to issue Cease and Desist and Civil Penalty Order No. CCD 2016.002 to Point Buckler Club, LLC and John D. Sweeney (Respondents) for alleged violations at Point Buckler Island, located in Suisun Bay and the Suisun Marsh, Solano County. On December 15, 2016, the Respondents filed a lawsuit in Solano Superior Court challenging the Commission's Order.
- On December 1, 2016, the Port of San Francisco executed a settlement agreement and paid a penalty of $32,000 to resolve violations of Permit No. M2002.071 that involved over-dredging in two locations and the tardy submittal of two post-dredge surveys.

COORDINATION, COLLABORATION, AND PARTNERSHIPS

BCDC continued and expanded its various relationships with other organizations to leverage its capabilities and integrate its programs with complementary efforts. Among the most important of these efforts were the following:

- BCDC serves as a voting member of the Bay Area Regional Collaborative, which coordinates efforts of the four Bay Area regional agencies with responsibility for air quality, transportation and land use planning, and coastal zone management and planning. A primary focus for BARC is adaptation to climate change. As part of this partnership, in 2016 BCDC worked with MTC, BAAQMD and ABAG on the 2017 update of *Plan Bay Area*, the region's Sustainable Communities Strategy (SCS), pursuant to S.B. 375, by preparing a supplemental report on resilience. BCDC also worked with BARC on a regional sea level rise Progress Map to identify the ways that the region is either meeting its targets on addressing this issue or falling short and to point out areas of strength and areas where improvements are needed.
- Recognizing that San Francisco Bay and the Sacramento-San Joaquin Delta form a single estuarine system that requires an integrated management approach, BCDC continued to coordinate planning for the Bay and the Delta by serving on the Delta Conservancy Board.
- BCDC coordinated with the Water Emergency Transit Authority to plan for numerous ferry facilities throughout the Bay Area.
- BCDC participated in quarterly "Abandoned Vessels" meetings hosted by the U.S. Coast Guard and also attended by the U.S. Army Corps of Engineers, State Lands Commission, Regional Water Quality Control Board, County Sheriff departments, local police departments, marine salvors and non-governmental organizations, such as the San Francisco Baykeeper.
- BCDC continued its partnership with the U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, the San Francisco Regional Water Quality Control Board and stakeholders, on the Long Term Management Strategy for Placement of Dredged Material in the Bay Region (LTMS) and the Dredged Material Management Office (DMMO).
- BCDC, in partnership with the San Francisco Estuary Partnership, the San Francisco Estuary Institute, the San Francisco Bay Joint Venture and the Bay Area Flood Protection Agencies Association, completed the Flood Control 2.0 Project, which contributes significant new information to the region's understanding of how flood channels work, are regulated and contribute sediment to the Bay and its marshlands. Commission staff completed an analysis of the regulatory complexities of these projects and developed a guidance document that suggests ways to improve this process. Project outcomes can be found here: www.sfei.org/flood-control-20.



< Photographs courtesy of BCDC.

BCDC welcomes the challenges and opportunities ahead, and BCDC's Commissioners and staff are proud to fulfill BCDC's mission statement, embedded in its Strategic Plan, that reflects its two primary responsibilities: to protect and enhance San Francisco Bay and to encourage the Bay's responsible and productive use for this and future generations.

Sincerely,

R. ZACHARY WASSERMAN, Chair

SUMMARY OF PERMITS, FILL, AND MITIGATION

Year	Major Permits[1]		Minor Permits[2]		Permit amendments	Net change in Bay surface[3]	Total Project cost[4]	Public access	Public access
	granted	denied	granted	denied		(acres)	(x $100,000)	(acres)	(miles)
1970	12	1	66	0		-72			
1971	26	4	61	0		-25.1			
1972	12	3	80	0		-7			
1973	17	1	71	0		-4.4			
1974	20	0	107	1		274			
1975	10	0	87	0		5	100		
1976	14	0	110	0		-2.2	43		
1977	20	0	116	0	104	16.8	100	21.4	
1978	23	1	104	4	90	-1.9	152	46.1	9.6
1979	34	0	120	2	103	3.4	93	25.1	
1980	19	1	105	1	101	30	470	134	
1981	23	0	134	0	125	44.5	130	42.2	
1982	26	0	104	0	115	262	379	27	5
1983	23	0	105	0	131	5	395	26	6
1984	15	3	135	0	130	12	97	12	7
1985	15	1	98	0	104	60	200	35	6.3
1986	20	0	108	0	112	11	639	35	5.1
1987	16	2	108	0	104	-2	68	6	1.1
1988	17	1	119	2	137	152.2	125	3.3	0.9
1989	17	0	114	1	144	1.7	107	12.7	1.5
1990	17	1	112	0	151	-1.5	127	12.7	2
1991	8	1	61	0	163	-0.7	400	4	5.6
1992	10	1	84	0	140	-1.6	97	10.4	1.9
1993	8	1	89	0	122	50.1	26	0.2	0.3
1994	11	1	114	0	96	1.6	383	264	6.9
1995	15	0	72	0	107	549.6	136	2.8	0.9
1996	7	0	93	0	97	-1	60	3.1	2.2
1997	14	2	109	0	94	75	733	14.1	2.9
1998	15	1	109	0	130	38.5	518	16.4	3.3
1999	10	0	103	0	124	258	828	67.2	8.4
2000	21	0	85	0	141	112.4	4,640	40	1.9
2001	14	0	67	0	67	5,649.30	2,770	34.8	11.1
2002	6	0	75	0	103	1.1	118	2.5	0.5
2003	11	0	59	0	79	118.7	471	28.8	3.8
2004	7	0	74	0	95	493	408	11.2	1.5
2005	8	0	57	0	93	3,807.00	382	3.4	4.5
2006	1	0	35	0	114	70	169	0.7	0.4
2007	8	0	52	0	71	2,560.00	459	3.5	9.7
2008	5	0	39	0	73	961	552	12.7	6.5
2009	4	0	40	0	74	174	500	1.5	0.2
2010	8	0	65	0	95	1,562.00	251	11.5	4.8
2011	3	0	20	0	121	74	1,700	77.8	3.9
2012	5	0	38	0	74	201	362	6.7	3
2013	6	0	38	0	105	968	112	0.3	6
2014	6	0	48	0	135	13.8	935	11	4.5
2015	7	0	42	0	121	-0.1	407	4	7.4
2016	7	1	19	0	80	419.7	18,811	63.58	5.3
TOTAL	621	27	3851	11	4365	18915.9	22523	1134.68	151.9

1 Projects authorized by major permits and major federal consistency concurrences. Some authorized projects have not been built, and some projects may have been changed pursuant to subsequent permit amendments.

2 Smaller projects including consistency concurrences approved administratively or under regionwide permits.

3 The area of the Bay created or restored, including salt ponds converted to tidal action, less the area of the Bay authorized to be filled pursuant to major permits and major consistency determinations through 1987. Thereafter, significant administrative permits and amendments are included in the data.

4 Major and minor permits only.

SUMMARY OF ENFORCEMENT ACTIVITIES

Caseload at the beginning of 2016: 195

New cases opened in 2016: 53

Cases closed in 2016: 45

Caseload at the end of 2016: 204

Cease and Desist Orders issued: 4

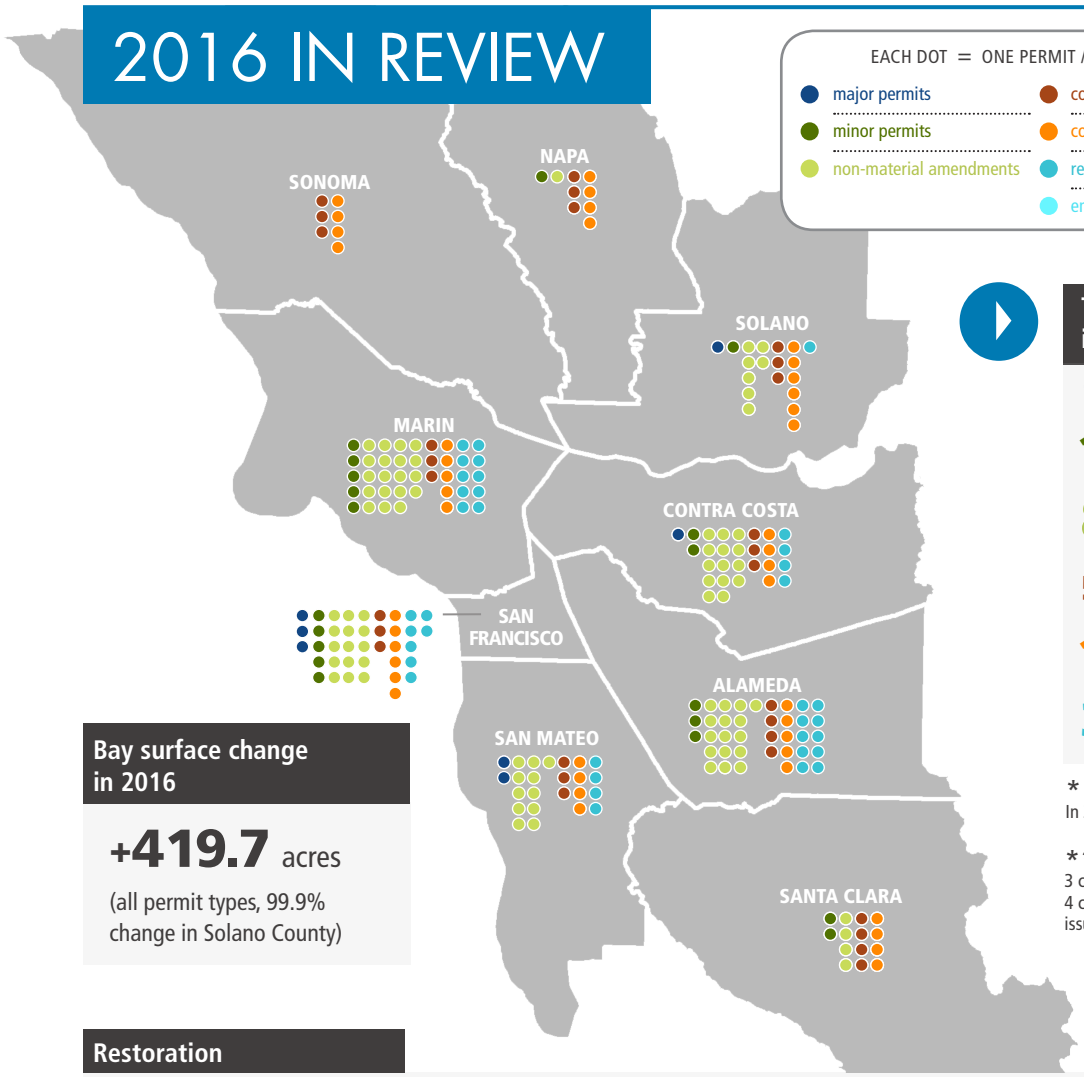
Enforcement related permits or amendments issued: 10

Civil penalties received: $461,770

WORK PROGRAM AND BUDGET

WORK PROGRAM	FY 15-16		FY 16-17	
Core Program	**PY**	**x $1,000**	**PY**	**x $1,000**
Permits/Consistency Determinations	9.3	1,442	7.4	924
Enforcement	2.5	382	2.5	303
General Planning	2.9	458	7.3	906
Executive, Legal and Legislative Support	3.4	807	7.7	958
Administration, Commission and Clerical Support	8.7	1,181	7.5	926
TOTAL, CORE PROGRAM	26.8	$4,270	32.4	$4,017
SPECIAL FUND PROJECTS				
Enforcement (Bay Fill Clean-up Fund)	0.1	19	0.0	0
NOAA 306 Permits (Federal Grant)	1.3	123	1.0	153
NOAA 306 Enforcement (Federal Grant)	0.4	41	0.3	51
Planning – 309 PSM Climate Policy (Federal Trust Fund)	1.5	120	n/a	n/a
California Climate Resilience Account	n/a	n/a	n/a	n/a
NOAA Local Protection Program Ph. I (FY12) (Federal Grant)	n/a	n/a	n/a	n/a
NOAA Local Protection Program Phase II (FY13) (Federal Grant)	0.3	20	n/a	n/a
NOAA Local Protection Program Phase III (FY14) (Federal Grant)	0.9	75	0.2	29
NOAA Assessment & Strategy (FY14) (Federal Grant)	0.0	1	n/a	n/a
NOAA Assessment and Adaptation Project (FY15) (Federal Grant)	1.0	94	0.2	36
NOAA Art Portfolio (FY16) (Federal Grant)	n/a	n/a	0.3	50
Federal Coastal Impact Assistance Program	0.7	61	n/a	n/a
CIAP Climate Change (Federal Grant)	0.3	23	0.7	119
CIAP Regional Sediment Management (Federal Grant)	0.4	38	0.1	10
Solano County LPP	0.0	6	n/a	n/a
Regional Collaboration (Metropolitan Transportation Commission)	3.2	305	2.7	404
Metropolitan Transportation Commission/Caltrans	n/a	n/a	0.4	60
Oil Spill Prevention and Response Planning (Department of Fish and Wildlife)	1.7	161	1.2	182
Transportation Project Review (Caltrans)	1.6	137	0.2	26
Association of Bay Area Governments (ABAG)	0.4	35	0.2	31
ABAG Adaptation Workshop	n/a	n/a	0.1	15
Dept. Boating & Waterways CSMW RSM	0.4	40	n/a	n/a
Bay Plan Amendments	n/a	n/a	n/a	n/a
TOTAL, SPECIAL FUND PROJECTS	14.1	1,299	7.4	1,166
TOTAL PROGRAM	40.9	$5,569	39.8	$5,183
BUDGET				
Expenditures		4,645		4,698
Personal Services		1,689		2,121
Operating Expenses and Equipment		$6,334		$6,819
TOTAL EXPENDITURES				
Revenue				
General Fund		5,074		5,651
Bay Fill Clean-up and Abatement Fund		43		0
Federal Trust Fund		106		0
California Climate Resilience Account		0		0
Reimbursements from Federal Grants		596		448
Reimbursements from Other Sources		703		718
TOTAL REVENUES		$6,522		$6,817

2016 IN REVIEW



Totals permits issued by county

7 major permits*

19 minor permits

87 non-material amendments

5 consistency determinations**

10 consistency amendments**

36 regionwide permits

* In 2016, 1 major permit was denied.

** 3 consistency determinations and 4 consistency amendments were issued Bay wide.

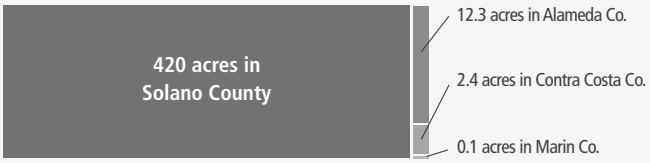
Bay surface change in 2016

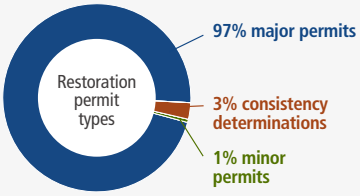
+419.7 acres

(all permit types, 99.9% change in Solano County)

Restoration

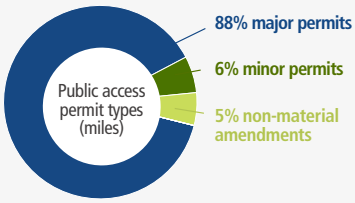
total: **+434.7** acres





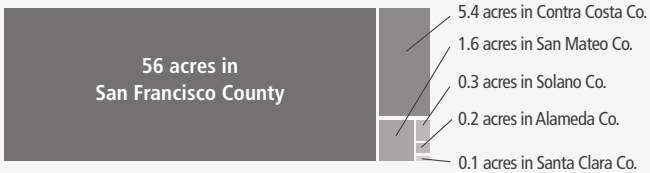
Public access: Trails

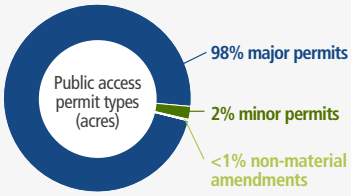
total **+9.14** miles



Public access: Open Space

total **+63.6** acres

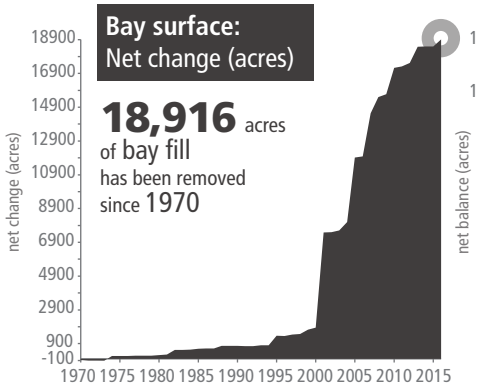


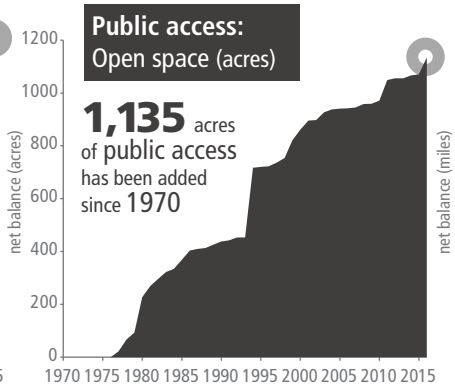


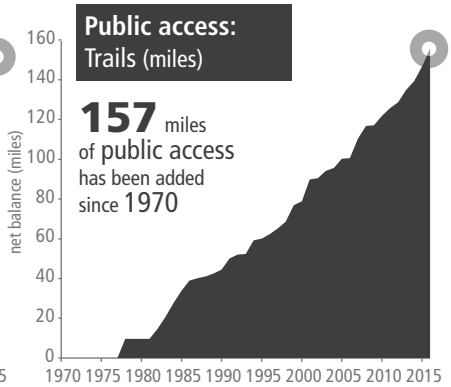
HISTORICAL TRENDS

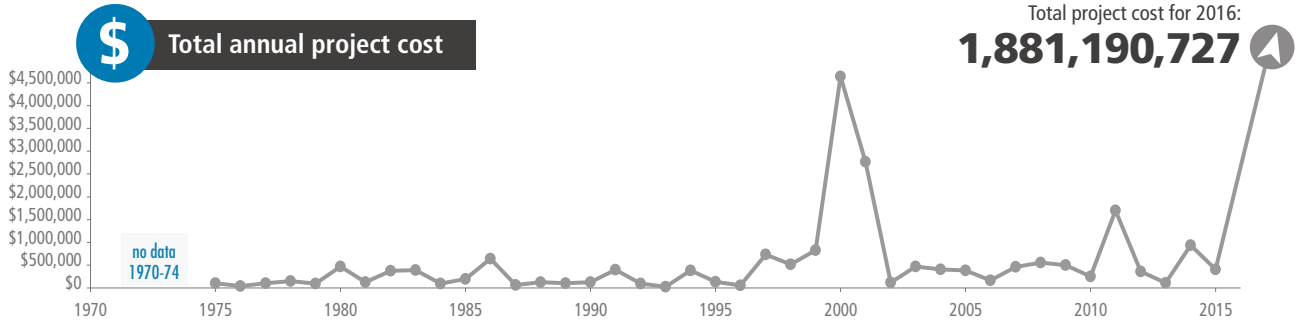
Totals *(1966-2016)*

621 major permits **3,922** minor permits **187** consistency determinations









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SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION
455 Golden Gate Avenue, Suite 10600, San Francisco, California 94102
tel 415 352 3600 • fax 415 352 3606