

# SAN FRANCISCO DISTRICT DREDGING INDUSTRY DAY 10 SEPTEMBER 2019

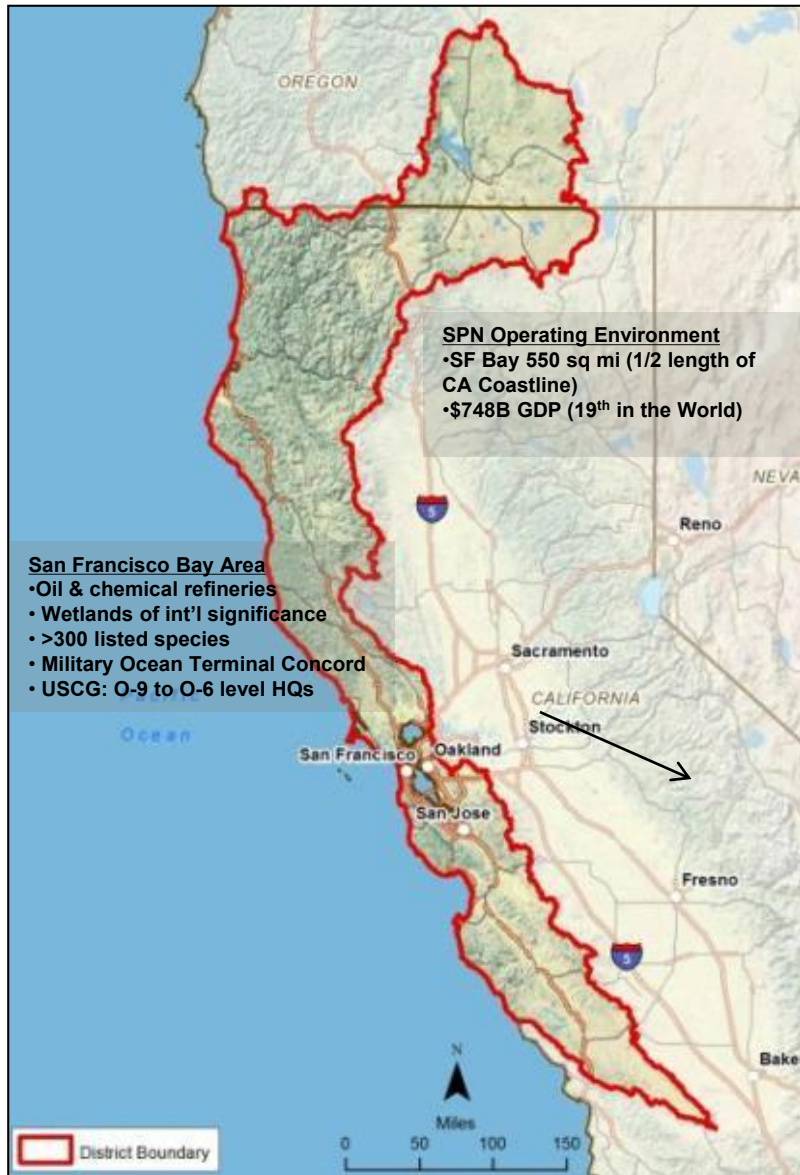
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## SPN OPERATING ENVIRONMENT



- **Political** – Large and Influential delegation (21 Districts)
- **Dredging:** Our navigation projects energize the economy, supporting the SF Bay Area's \$75B+ annual maritime industry
- **Military:** MOTCO – Strategic Military Port
- **Reducing disaster risk** for 6.5 million people and economies of SF Bay Area, Silicon Valley, Sonoma, Napa, and Central Coast – 99% chance of big earthquake in next 30 yrs (per USGS); additional risks of flooding, sea level change, tsunamis, and wildfires
- **Ecosystem:** South San Francisco Bay Shoreline construction project is the largest wetlands restoration project this side of the Mississippi
- **Regulatory:** Annually issue 350 nationwide, 200 Regional General Permits, 18 Standard permits, and 30 Letters of Permission
- **Veterans Affairs:** Large scale construction projects for the VA



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## ARMY CORPS NAVIGATION BUSINESS LINE

### → MISSION

- To provide safe, reliable, efficient, and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.

### → Program Objectives

- Maintain inland waterways and coastal channels, with emphasis on those with a high or moderate level of commercial use; and
- Support investment that would provide a high return to the Nation.

### → SPN Navigation Program

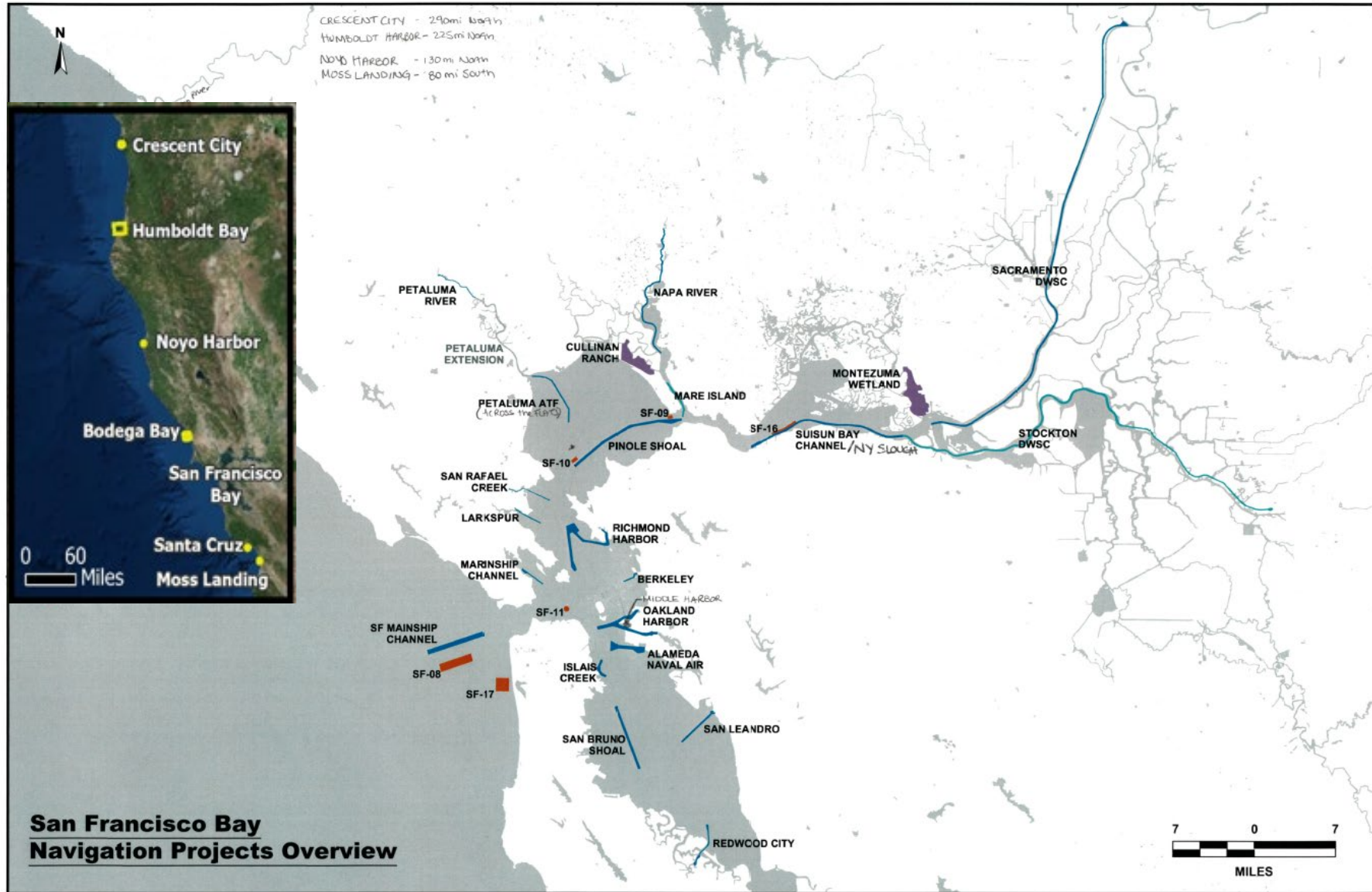
- Averages 14 projects and \$75 million per year



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# SAN FRANCISCO DISTRICT – DREDGING MISSION



File Name



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# SAN FRANCISCO DISTRICT – DREDGING MISSION



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## FOR YOUR AWARENESS: THE SF BAY REGIONAL DMMP EFFORT



### Navigation Projects

1. Updated PAs
  - Economically justified
  - 20 yr disposal capacity
2. Regional DMMP

### Regional DMMP

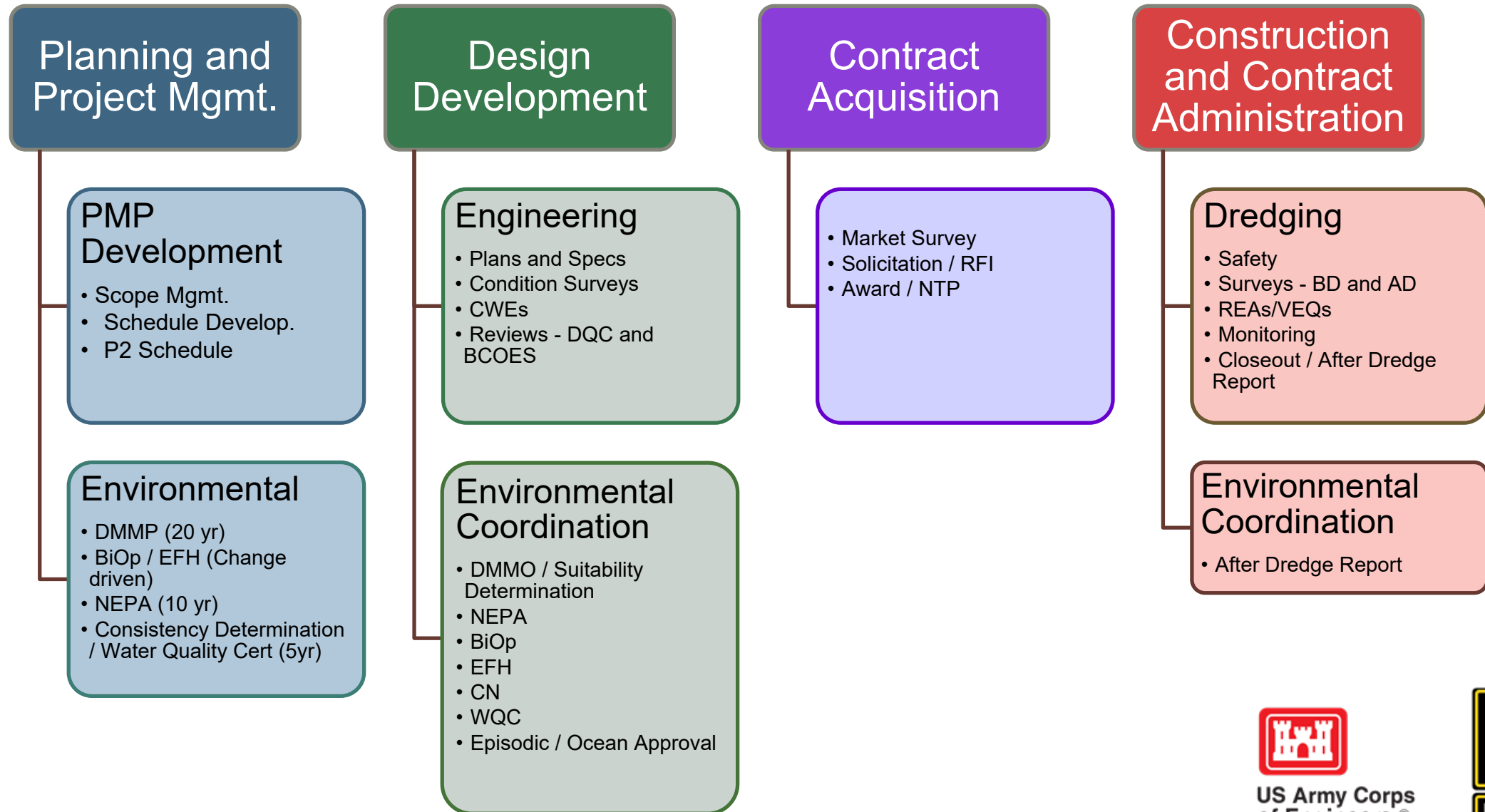
- Comprehensive approach
- Focus on addressing dredge material placement issues.
- Improve environmental compliance based upon best available science to inform environmental restrictions/limitations



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# DREDGING PROGRAM PROCESS



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# PROGRAM OVERVIEW FY18

Project Name	Business Line	Amount	Account
Hamilton Airfield Wetlands Restoration	ENR	\$1,445,000.00	CG
Dry Creek Ecosystem Restoration	ENR	\$260,000.00	GI
San Lorenzo	FRM	\$2,500,000.00	CG
Corte Madera Creek	FRM	\$682,000.00	GI
Pajaro River	FRM	\$100,000.00	GI
SF Waterfront	FRM	\$500,000.00	GI
San Francisquito Creek	FRM	\$646,500.00	GI
SF Bay to Stockton	NAV	\$1,107,000.00	GI
Crescent City Harbor, Ca	NAV	\$475,000.00	OM
Humboldt Harbor And Bay, Ca	NAV	\$5,500,000.00	OM
Oakland Harbor, Ca	NAV	\$28,493,000.00	OM
Richmond Harbor, Ca	NAV	\$16,100,000.00	OM
Sacramento River (30 Foot Project), Ca	NAV	\$1,600,000.00	OM
Sacramento River Shallow Draft Channel, Ca	NAV	\$175,000.00	OM
San Francisco Bay Long Term Management Strategy, Ca	NAV	\$600,000.00	OM
San Francisco Harbor And Bay, Ca (Drift Removal)	NAV	\$3,760,000.00	OM
San Francisco Harbor, Ca	NAV	\$3,700,000.00	OM
San Joaquin River, Port Of Stockton, Ca	NAV	\$16,000,000.00	OM
San Pablo Bay And Mare Island Strait, Ca	NAV	\$10,000,000.00	OM
Santa Cruz Harbor Ca	NAV	\$487,000.00	OM
Suisun Bay Channel, Ca	NAV	\$7,800,000.00	OM
Coyote Valley Dam, Lake Mendocino, Ca	Ops	\$3,841,000.00	OM
Dry Creek (Warm Springs) Lake And Channel, Ca	Ops	\$6,470,000.00	OM
San Francisco Bay Delta Model Structure, Ca	Ops	\$1,565,000.00	OM

Business Line	Total
Environmental Restoration (ENR)	\$1,705,000
Flood Risk Management (FRM)	\$4,428,500
Navigation (NAV)	\$95,797,000
Operations (Ops)	\$11,876,000

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# PROGRAM OVERVIEW FY19

Project Name	Business Line	Amount	Account
Dry Creek GI	ENR	\$1,700,000.00	GI
SF Waterfront	FRM	\$200,000.00	GI
SSF Shoreline Phase II - Santa Clara	FRM	\$500,000.00	GI
Crescent City Harbor, Ca	NAV	\$200,000.00	OM
Humboldt Harbor And Bay, Ca	NAV	\$4,510,000.00	OM
Oakland Harbor, Ca	NAV	\$19,076,000.00	OM
Redwood City Harbor, Ca	NAV	\$5,950,000.00	OM
Richmond Harbor, Ca	NAV	\$10,145,000.00	OM
Sacramento River (30 Foot Project), Ca	NAV	\$2,300,000.00	OM
Sacramento River Shallow Draft Channel, Ca	NAV	\$210,000.00	OM
San Francisco Harbor And Bay, Ca (Drift Removal)	NAV	\$3,101,000.00	OM
San Francisco Harbor, Ca	NAV	\$4,335,000.00	OM
San Joaquin River, Port Of Stockton, Ca	NAV	\$5,000,000.00	OM
San Pablo Bay And Mare Island Strait, Ca	NAV	\$3,049,000.00	OM
Santa Cruz Harbor, Ca	NAV	\$15,000.00	OM
Suisun Bay Channel, Ca	NAV	\$3,664,000.00	OM
Monterey Harbor, CA	NAV	\$9,000.00	OM
Moss Landing Harbor, CA	NAV	\$709,000.00	OM
Noyo River And Harbor, CA	NAV	\$735,000.00	OM
SF Bay LTMS	NAV	\$150,000.00	OM
Coyote Valley Dam, Lake Mendocino, Ca	Ops	\$3,540,000.00	OM
Dry Creek (Warm Springs) Lake And Channel, Ca	Ops	\$7,494,000.00	OM
San Francisco Bay Delta Model Structure, Ca	Ops	\$1,191,000.00	OM

Business Line	Total
Environmental Restoration (ENR)	\$1,700,000
Flood Risk Management (FRM)	\$700,000
Navigation (NAV)	\$62,958,000
Operations (Ops)	\$12,225,000

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## PROGRAM OVERVIEW FY20\*

Project Name	Business Line	Amount	Account
SF Waterfront	FRM	\$800,000.00	GI
SSF Shoreline Phase II - Santa Clara	FRM	\$600,000.00	GI
Humboldt Harbor And Bay, Ca	NAV	\$3,962,000.00	OM
Oakland Harbor, Ca	NAV	\$20,563,000.00	OM
Redwood City Harbor, Ca	NAV	\$475,000.00	OM
Richmond Harbor, Ca	NAV	\$14,519,000.00	OM
Sacramento River (30 Foot Project), Ca	NAV	\$2,030,000.00	OM
Sacramento River Shallow Draft Channel, Ca	NAV	\$175,000.00	OM
San Francisco Harbor And Bay, Ca (Drift Removal)	NAV	\$3,538,000.00	OM
San Francisco Harbor, Ca	NAV	\$4,530,000.00	OM
San Joaquin River, Port Of Stockton, Ca	NAV	\$4,530,000.00	OM
San Pablo Bay And Mare Island Strait, Ca	NAV	\$2,880,000.00	OM
Suisun Bay Channel, Ca	NAV	\$5,800,000.00	OM
SF Bay LTMS	NAV	\$405,000.00	OM
Coyote Valley Dam, Lake Mendocino, Ca	Ops	\$3,704,000.00	OM
Dry Creek (Warm Springs) Lake And Channel, Ca	Ops	\$6,816,000.00	OM
San Francisco Bay Delta Model Structure, Ca	Ops	\$743,000.00	OM

Business Line	Total
Flood Risk Management (FRM)	\$1,400,000
Navigation (NAV)	\$63,407,000
Operations (Ops)	\$11,263,000

*\*Projections based on President's Budget only*

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## GOVERNING FEDERAL ENVIRONMENTAL LAWS & REGULATIONS

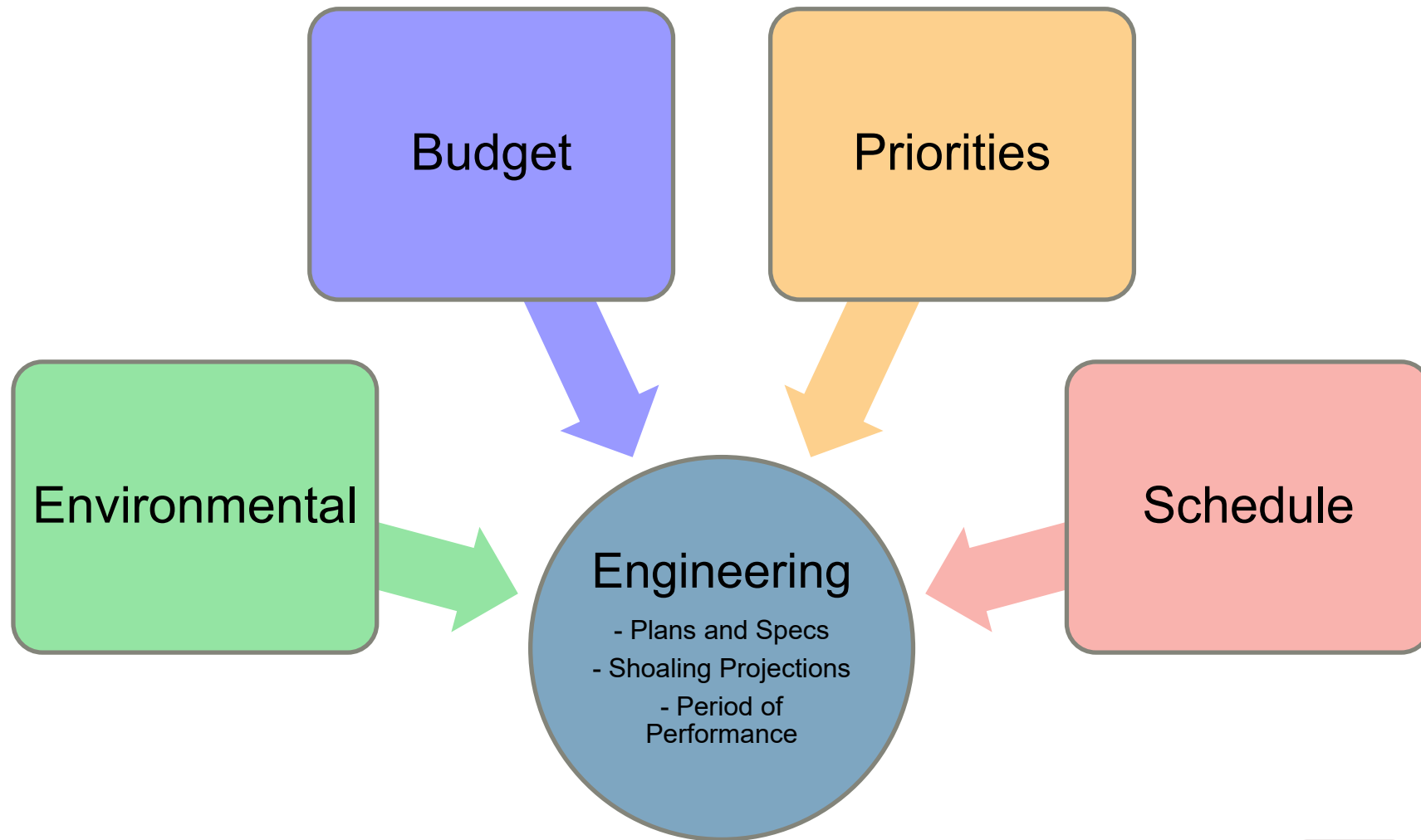
Law	Permit/ Approval	Agency	Existing
NEPA	FONSI or ROD	USACE	2015-2024 EA / FONSI
CWA 401	401 Water Quality Certification	RWQCB	2015-2019
CZMA	Consistency Notification	BCDC	2018-2019
ESA / MSFCMA	Biological Opinion Incidental Take Statement (ITS) / EFH Conservation Recommendations	NMFS/ USFWS	-LTMS BO/ITS (2015) and EFH Consult (2011)  - Individual Project BOs from USFWS
Multiple	Sediment Suitability Determination	DMMO Agencies	By project (annual)
CZMA & CWA 401	Episodic Approval	BCDC/ RWQCB	By project and episode
MSRPA	Concurrence for Ocean Disposal	EPA	By project and episode



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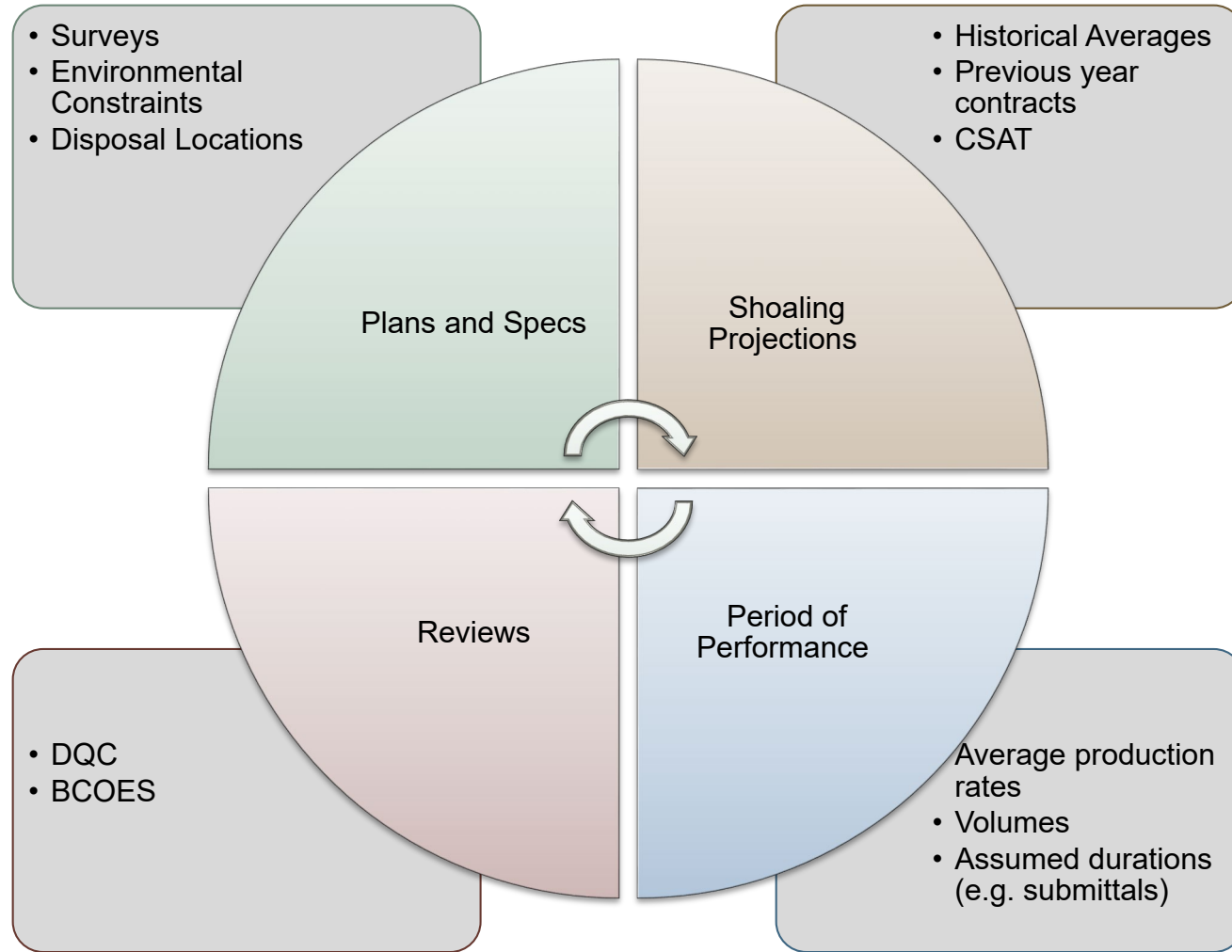
# DREDGING ENGINEERING PROCESS



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# DREDGING ENGINEERING PROCESS



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## ACQUISITION PLANNING

Every project begins with Acquisition Planning (FAR 7) and Market Research (FAR 10)

We typically perform Market Research through a “Sources Sought Announcement”

### FUNDAMENTAL DATA GATHERING:

- What’s the right market?
- What are the capabilities?
- Whose interested in the work?
- What are the industry expectations/norms?
- Are there Small Businesses?



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## ACQUISITION CONSIDERATIONS

Based on a market assessment, we have decisions to make.

These decisions typically consist of the following elements:

- Customer/Stakeholder expectations?
- Environmental Constraints?
- Available Funding?
- Understanding quality, cost, and time considerations
- Small Business participation? (FAR 19)
- Type of Procurement? (FAR 13, 14, 15)
- Acquisition Mandates



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## MARKETPLACE

For San Francisco District's Navigation Program (Annual Dredging), here's what we know and how we plan:

### MARKET CONDITIONS:

- + Small Marketplace consisting of Large and Small Businesses
- + Highly competitive market (same companies competing every year)
- + Historical Small Business usage and demonstrated capability
- + Environmental constraints require performance windows

### APPLICATION:

- + Small Business set asides required every year (SB approval)
- + Seek fair distribution of USACE opportunities for both Large and Small Businesses
- + Create clear and equitable procurements utilizing Federal Acquisition Regulations
- + Build stewardship w/marketplace to address and resolve issues = learn from our mistakes



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## AWARD CONSIDERATIONS

SPN procures dredging through Invitation for Bid (IFB) Method (FAR 14) – Firm Fixed Price annual contracts

### AWARD is based on =

Responsiveness + Lowest Price (fair and reasonable) + Responsibility

#### Responsiveness is:

Providing a bid in accordance with the solicitation (bid guarantee/on time)

#### Lowest Price is:

Pricing determined as fair and reasonable; accounting for unbalancing

#### Responsibility is:

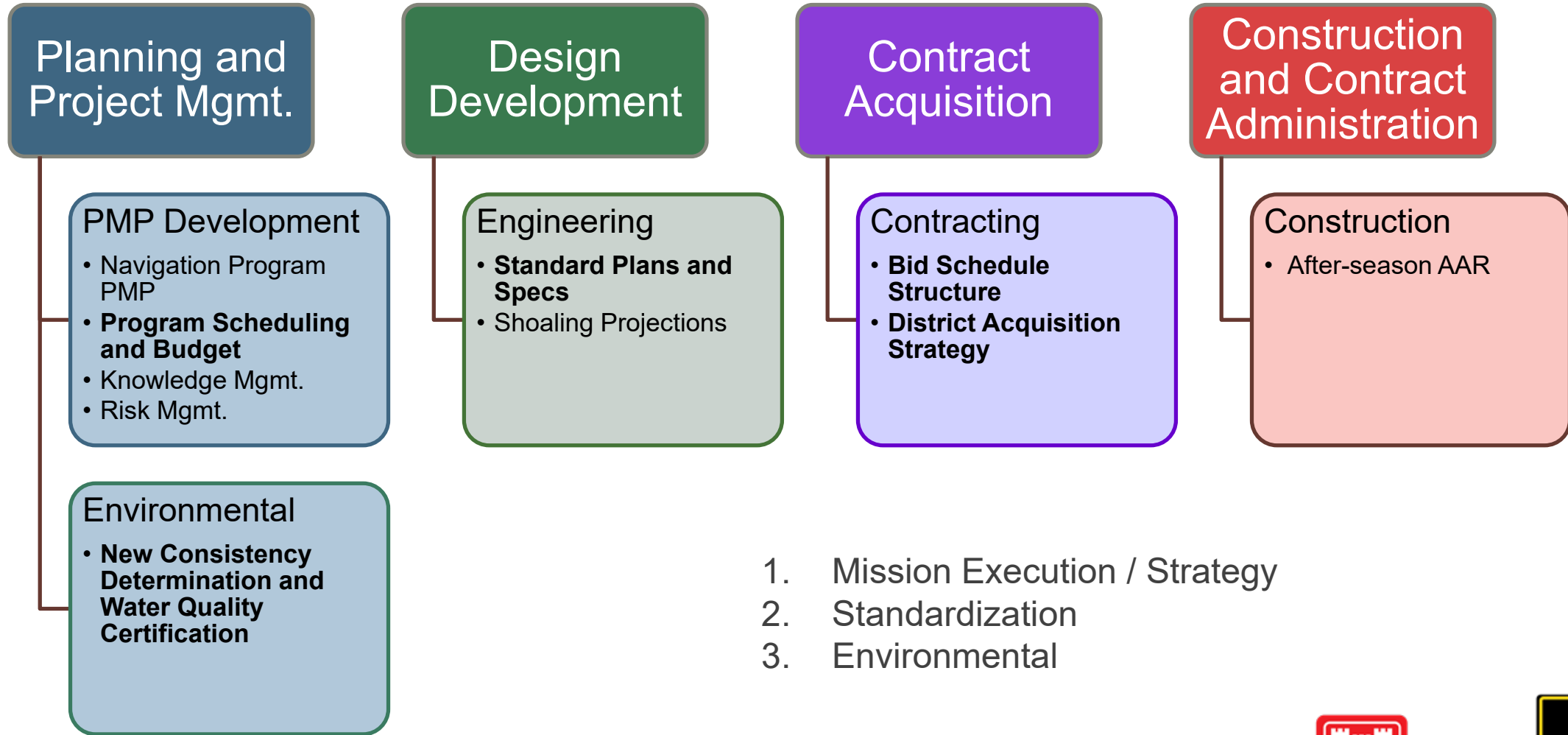
Reviewing the company's past performance, resources, and capability



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# DREDGING PROGRAM AAR OUTCOMES



1. Mission Execution / Strategy
2. Standardization
3. Environmental



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