

# **900 INNES REMEDIATION VOLUNTARY SITE CLEAN-UP**

PRESENTED BY CHARLENE ANGSUCO, PROJECT MANAGER, SFRPD  
PRESENTED APRIL 16, 2020

SAN FRANCISCO RECREATION AND PARKS

# INTRODUCTIONS

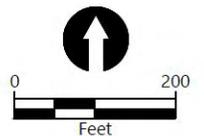
- City of San Francisco Recreation and Parks Department
- Regional Water Quality Control Board Case Officer
- Anchor QEA, LLC
- Boudreau Associates

# PROJECT LOCATION



**SOURCE:** Aerial from Bing Maps. Mean high water and project boundaries provided by Northgate Environmental Management, Inc.  
**HORIZONTAL DATUM:** California State Plane, Zone 3, NAD83, U.S. Feet.  
**VERTICAL DATUM:** Mean Lower Low Water (MLLW).

**LEGEND:**  
- - - - - Property Boundary  
- - - - - Mean High Water Line



# SITE HISTORY



1969. Photo of Scow Schooner (*Alma*) being repaired at 900 Innes (Courtesy: Maritime Research Center, SF Maritime National Historical Park)



1976. Photo of Shipwright's Cottage (Courtesy: SF Planning Department)

# SITE HISTORY - SLIPWAY



ER No. CA-14-H

# SITE CONDITIONS



April 16, 2020

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# REMEDY DEVELOPMENT PROCESS & IMPLEMENTATION



- Acquisition and Preliminary Site Investigations



- Extensive Site Investigations and Environmental Review



- Remedial Design Development



- Regional Water Quality Control Board RAP Public Process



- State and Federal Permitting and Remedial Design Refinement

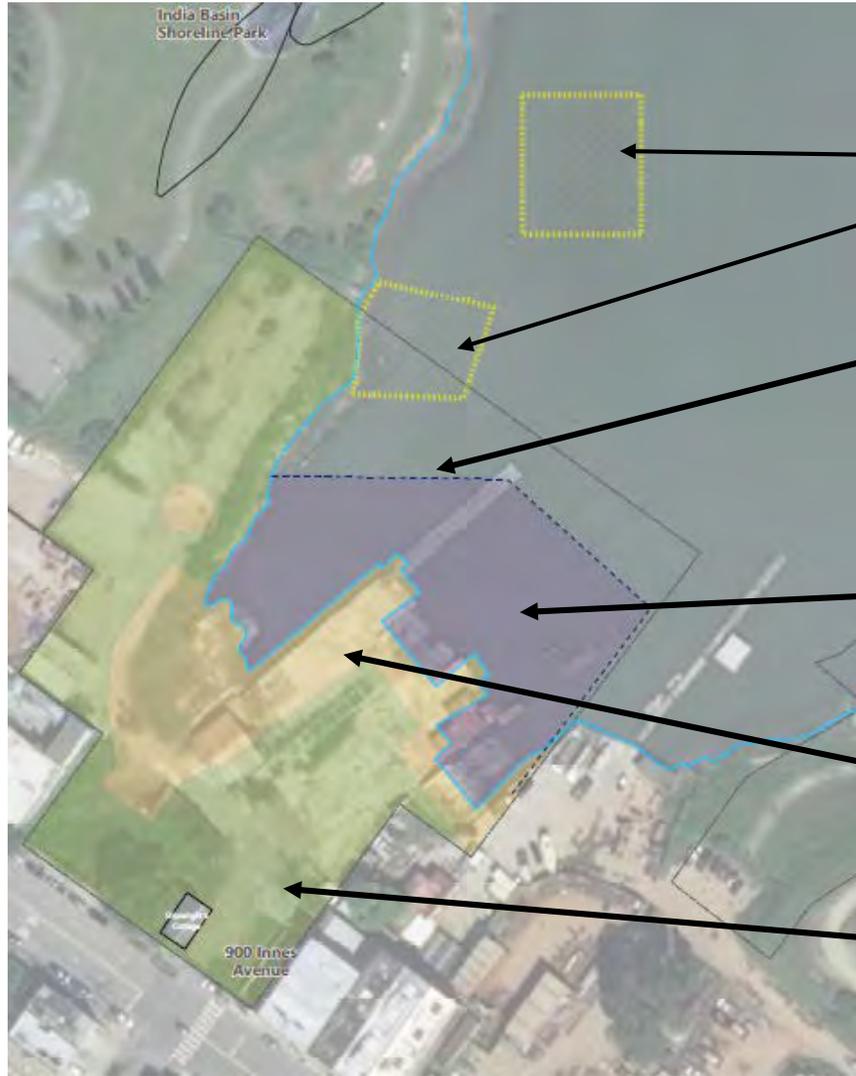


- Implementation & Close Out

# OVERALL CLEANUP APPROACH AND GOALS

- Compatible with park/public use
- Remedy provides a high level of health protection
- Remove surface soil (on land) and sediments (in water) across entire site
- Replace surface with clean fill material
- Backfill prevents exposure to underlying native soil

# REMEDIATION OVERVIEW



Capping Areas

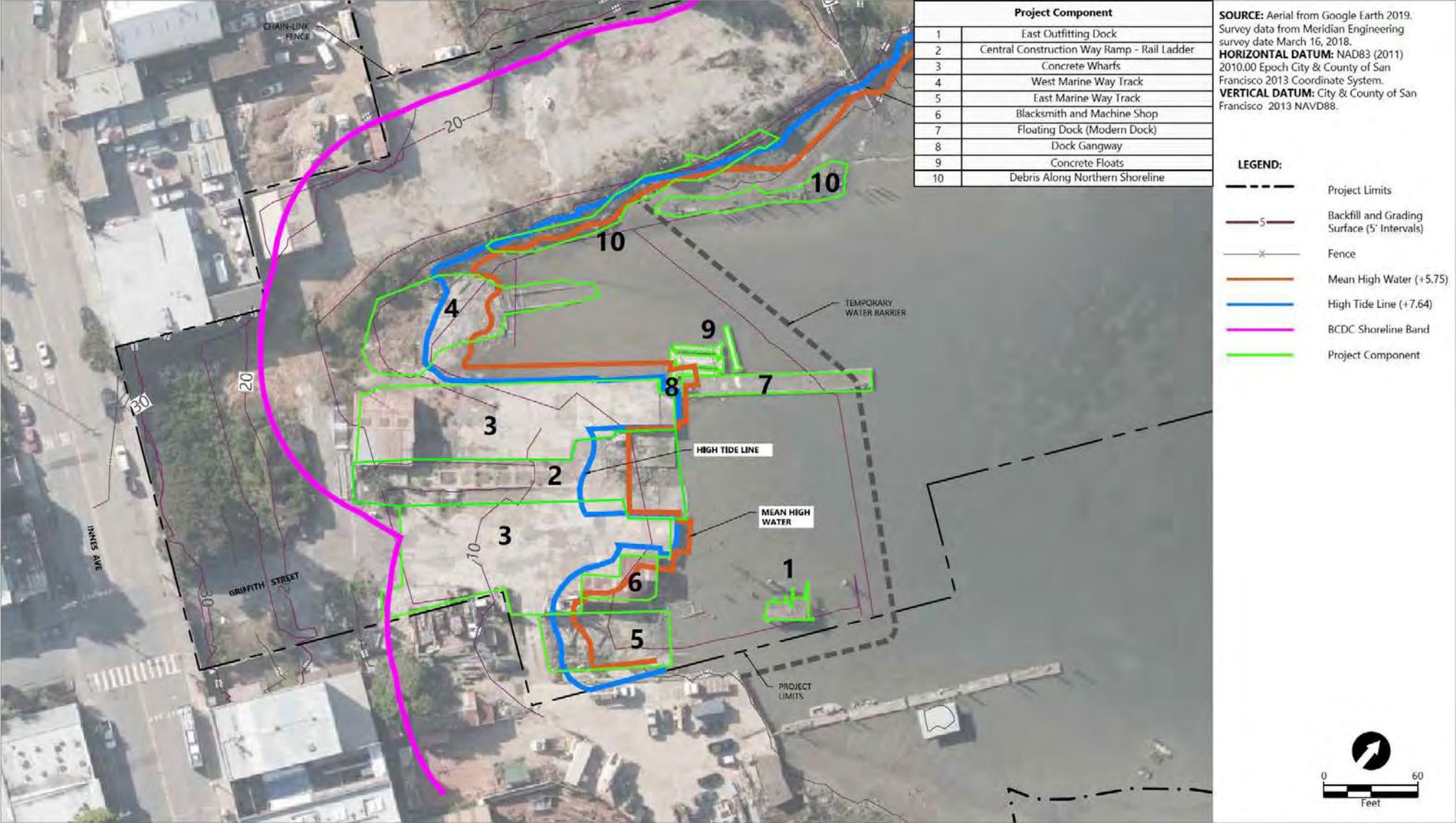
Temporary Water Barrier

Excavate 4 feet and backfill (purple)

Excavate 5 feet and backfill (yellow)

Excavate 2 feet and backfill (green)

# MAP OF STRUCTURES IN BCDC JURISDICTION



# QUANTITIES OF FILL REMOVED AND REPLACED IN BCDC JURISDICTION

Activities within BCDC Bay Jurisdiction (below MHW)				
	Fill Removed		Fill Placed	
	Area (sf)	Volume (cy)	Area (sf)	Volume (cy)
Removal of Structures	12,649 (0.29 acres)	316.4	--	--
Sediment Remediation	38,833 (0.88 acres)	7,200	38,833 (0.88 acres)	7,400
Areas 1 and 2 localized sand cover/cap	NA	NA	17,424 (0.4 acres)	800
Temporary fill – Water Barrier	NA	NA	9,148 (0.21 acres)	3,407
<b>Total Fill</b>	--	--	<b>65,405</b>	<b>11,611</b>
<b>Net Fill</b>			<b>17,427</b>	<b>1,000</b>
Opening the bay (Post-remediation)				
Total Bay surface area opened from removal of structures	12,649 sf (0.29 acres)			

# QUANTITIES OF FILL REMOVED AND REPLACED IN BCDC JURISDICTION

<b>Activities within BCDC Shoreline Band Jurisdiction</b>				
	<b>Fill Removed</b>		<b>Fill Placed</b>	
	Area (sf)	Volume (cy)	Area (sf)	Volume (cy)
<b>Solid Fill from removal of structures</b>	25,714	NA	--	--
<b>Soil Remediation</b>	78,408	11,600	78,408	11,600

# INTERIM PATH



- BCDC condition of development
- Construction conditioned on timing of future development of 900 Innes Park

# GRANT PARTNERSHIPS



**Brownfields Program  
& Water Division**



**State of  
California**

# CORE PARTNERS



# EDP PROCESS







# THANK YOU



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<http://www.ibwaterfrontparks.com>