

**Remedial Investigation for
Per- and Polyfluoroalkyl
Substances at
IR Sites 4, 5, 6, 10, and 26, and
Areas of Interest 1, 2, 3, 4, and 5,
Alameda Point**

Alameda Point Restoration Advisory Board Meeting

12 September 2024

Presentation Outline

- Project Background
- Remedial Investigation (RI) Sites
- RI Sampling Strategy
- Anticipated Schedule
- Questions

Project Background

Field investigation for Per- and Polyfluoroalkyl Substances (PFAS)

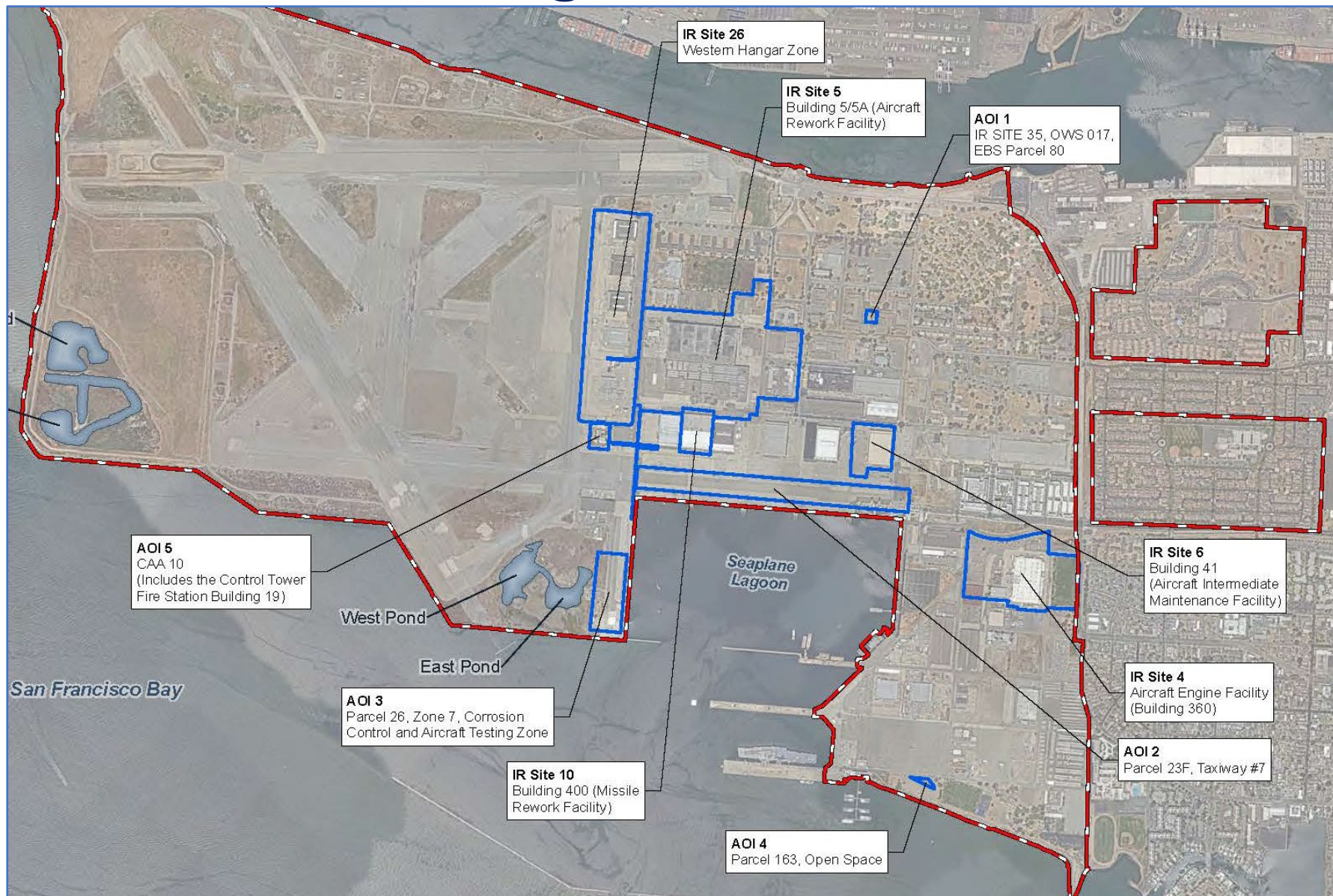
- Sample soil and groundwater and test for PFAS
- Assess potential risks to human health and wildlife
- Evaluate potential PFAS migration to nearby surface water

10 Areas of Interest (AOIs) planned for investigation

- 5 Installation Restoration (IR) sites
- 5 AOIs



Remedial Investigation Sites



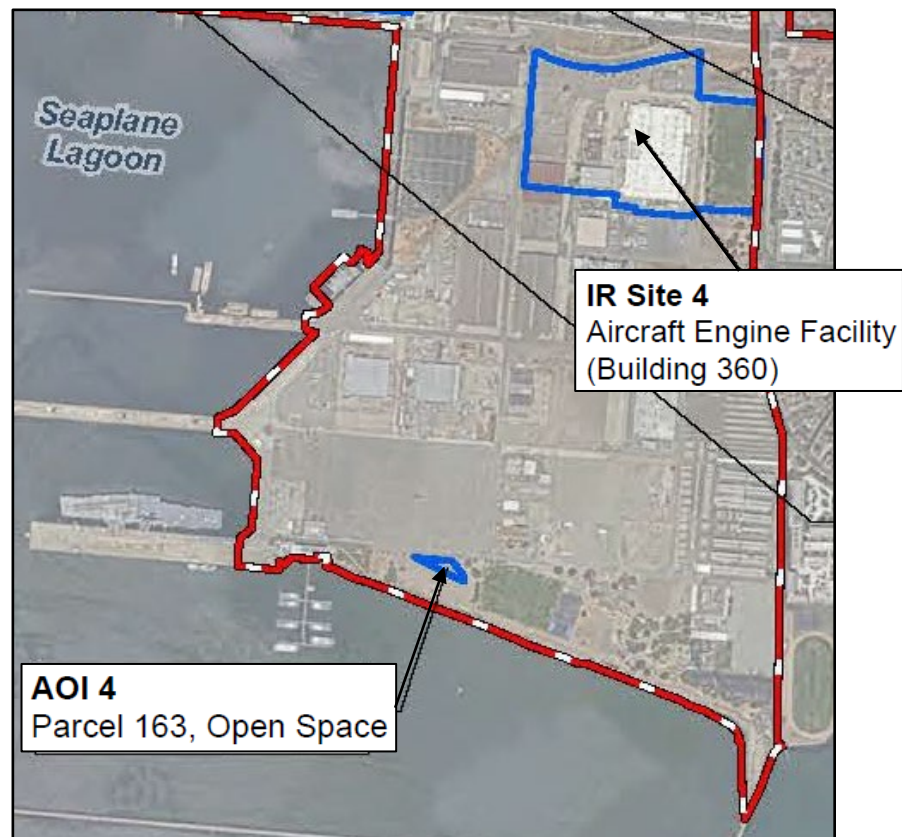
IR Site 4 and AOI 4

IR Site 4

- ▶ **Potential sources** – plating shop, industrial waste lines (Bldg 360)
- ▶ **PFAS identified during SI** – groundwater
- ▶ **Planned RI sampling** – soil and groundwater

AOI 4

- ▶ **Potential source** – leaking drums with fire fighting foam
- ▶ **PFAS identified during SI** – soil and groundwater
- ▶ **Planned RI sampling** – soil and groundwater



IR Sites 5 and 10

IR Site 5

- ▶ **Potential sources** – plating shop, industrial waste lines (Bldg 5), fire station (Bldg 6)
- ▶ **PFAS identified during SI** – soil and groundwater
- ▶ **Planned RI sampling** – soil and groundwater

IR Site 10

- ▶ **Potential source** – industrial waste lines (Bldg 400)
- ▶ **PFAS identified during SI** – groundwater
- ▶ **Planned RI sampling** – soil and groundwater



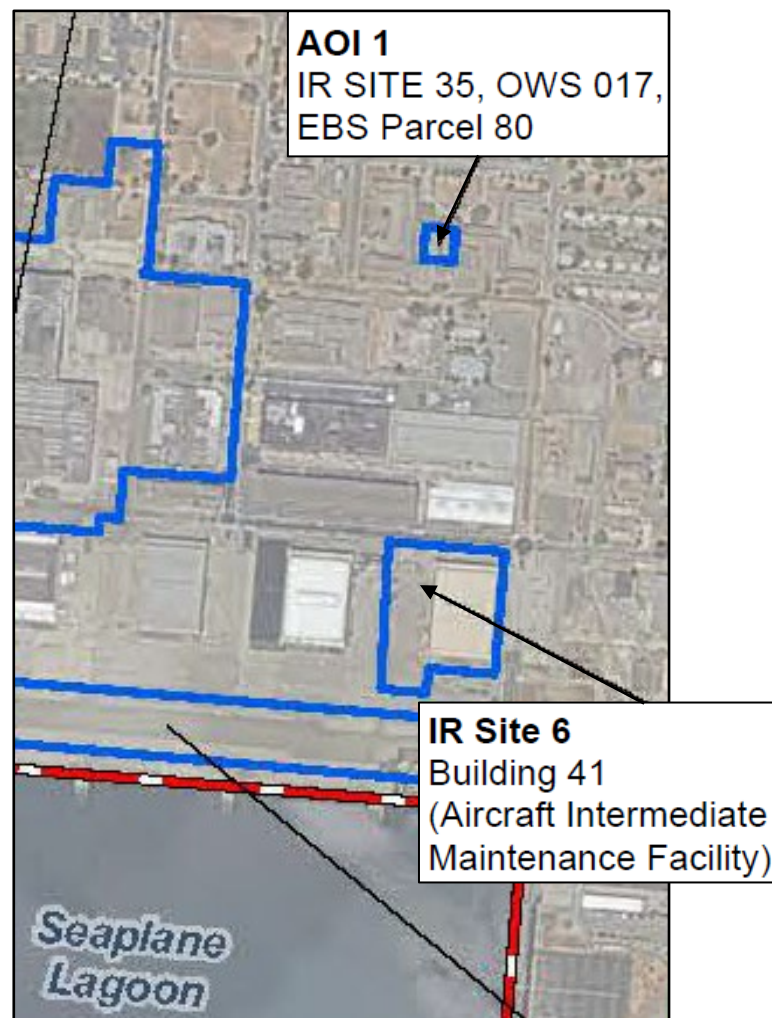
IR Site 6 and AOI 1

IR Site 6

- ▶ **Potential sources** – wash down areas (west of Bldg 41)
- ▶ **PFAS identified during SI** – groundwater
- ▶ **Planned RI sampling** – soil and groundwater

AOI 1

- ▶ **Potential source** – electrical fire extinguished with fire fighting foam
- ▶ **PFAS identified during SI** – groundwater
- ▶ **Planned RI sampling** – soil and groundwater



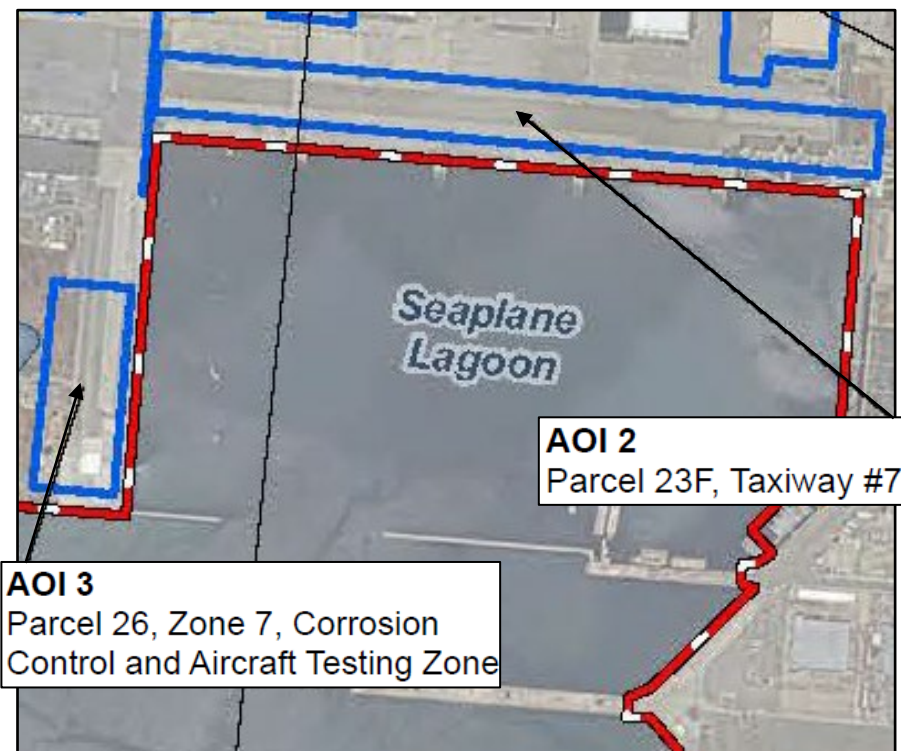
AOIs 2 and 3

AOI 2

- ▶ **Potential source** – fire fighting foam use
- ▶ **PFAS identified during SI** – soil and groundwater
- ▶ **Planned RI sampling** – soil and groundwater; sediment, surface water, and porewater

AOI 3

- ▶ **Potential source** – fire fighting foam use (Bldg 38)
- ▶ **PFAS identified during SI** – soil and groundwater
- ▶ **Planned RI sampling** – soil and groundwater; sediment, surface water, and porewater



IR Site 26 and AOI 5

IR Site 26

- ▶ **Potential sources** – wash down areas (outside of Bldgs 20 and 23)
- ▶ **PFAS identified during SI** – groundwater
- ▶ **Planned RI sampling** – soil and groundwater

AOI 5

- ▶ **Potential source** – fire station (Bldg 19)
- ▶ **PFAS identified during SI** – soil and groundwater
- ▶ **Planned RI sampling** – soil and groundwater



RI Sampling Strategy

Soil

- ▶ Extend **81** soil borings up to 8 feet deep
- ▶ Analyze **181** samples to define PFAS extent at apparent release areas and to support risk assessment

Groundwater

- ▶ Install and sample **58** new groundwater monitoring wells (2 events)
- ▶ Sample **40** existing wells (2 events)
- ▶ Analyze **196** samples to define PFAS extent and to support risk assessment

Sediment, Surface Water, and Porewater

- ▶ Collect sediment, surface water, and porewater samples at 5 locations within Seaplane Lagoon
 - 3 locations adjacent to AOI 2
 - 2 locations adjacent to AOI 3
- ▶ Surface water and porewater sampling during both high and low tides
- ▶ Analyze **25** samples to evaluate potential PFAS migration from AOIs 2 and 3 into Seaplane Lagoon

Anticipated Schedule

- **Field Investigation**
 - November 2024 to July 2025
- **Laboratory Analysis and Data Evaluation**
 - July 2025 to November 2025
- **Draft RI Report**
 - March 2026



Porewater sampling

QUESTIONS