

U.S. Army Corps of Engineer



Public Meeting for Remedial Action Plan – Former U.S. Border Protection Firing Range, Nogales, Arizona

March 6, 2018



Introduction

- **USACE is seeking public comments on the Remedial Action Plan for the Former U.S. Customs and Border Protection Firing Range, located at 1651 W. Target Range Road**
- **USACE is the lead agency, while the United States Environmental Protection Agency (EPA) and Arizona Department of Environmental Quality (ADEQ) are supporting agencies in this matter.**



Introduction



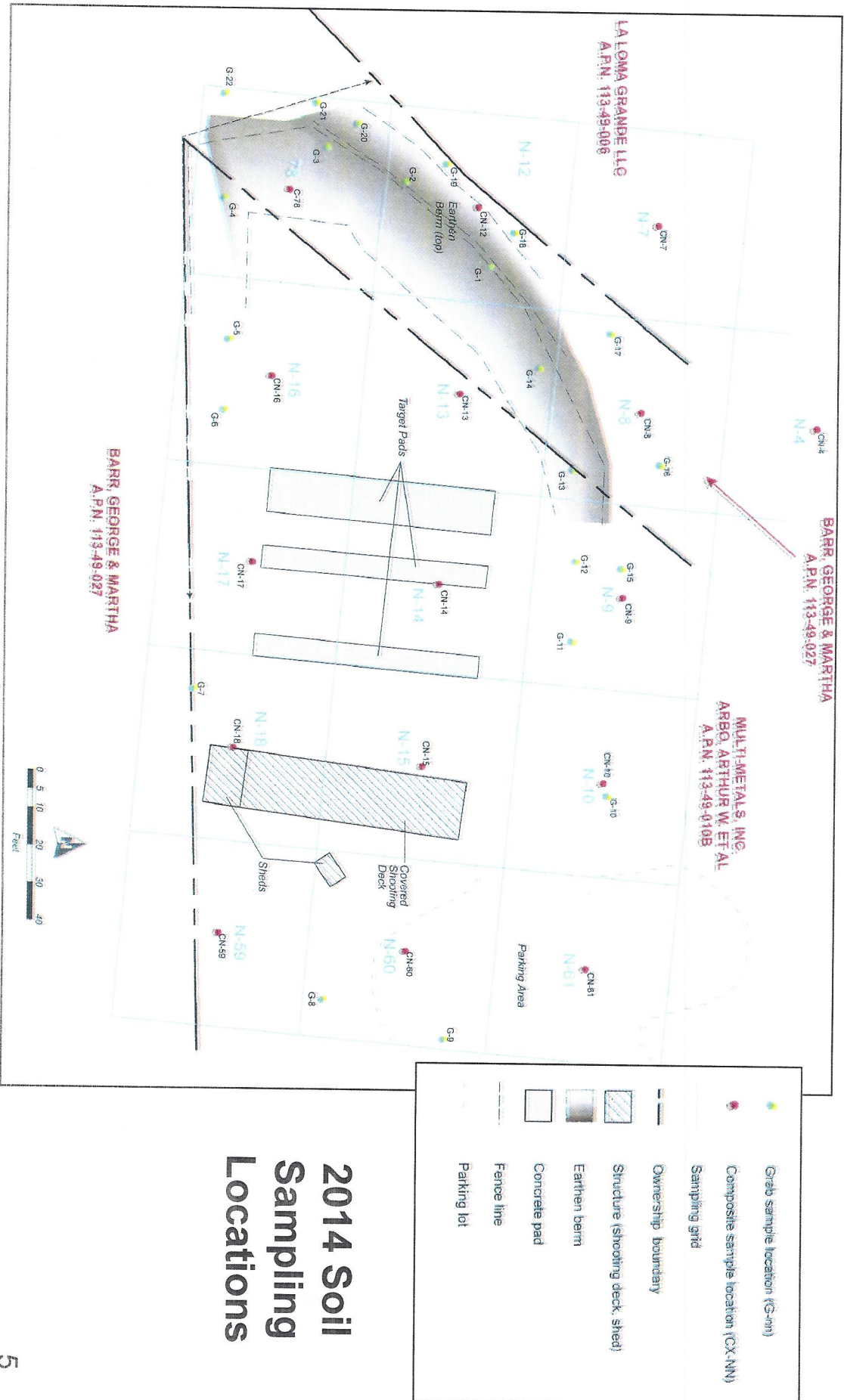


Background

- **Leased Property encompasses approximately ½ acre**
 - **Utilized from 1992 to 2010 as a firing range**
 - **Soil sampling completed in 2009 and 2014.**
- Based on the results, the following contaminant of concern (COC) were identified:**
- **Lead (primary COC)**
 - **Antimony**
 - **Polynuclear aromatic hydrocarbons (PAHs)**



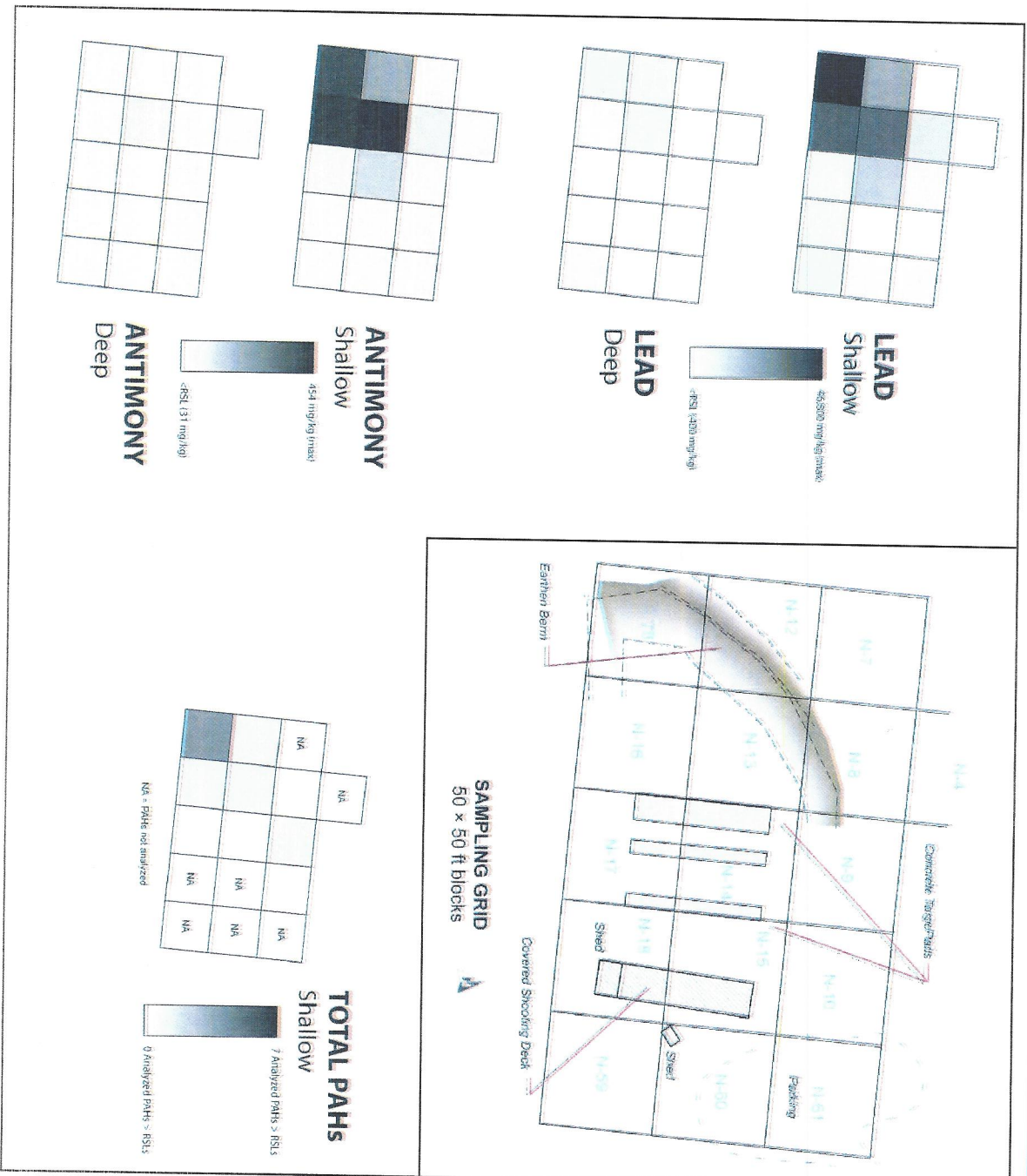
Background



2014 Soil Sampling Locations



Background



2014 Soil Sampling Results



Remedial Action Objective

- The Decision Document identified the following as the Remedial Action Objective (RAO) for the Site:
 - Remove the potential for receptors to come in direct contact with small arms remains and COCs at the former USCBP Firing Range.
- The Decision Document also selected the following remedy:
 - Off-Site Landfill
- This will ensure the protection of human health and the environment



Remedial Approach

- **The remedy will include excavation and off-site disposal of soils containing COCs greater than their Project Action Levels (PALs). PALs are based on:**
 - **EPA Regional Screening Levels (RSLs) for residential soil.**
 - **Arizona Soil Remediation Levels (SRLs)**



Remedial Approach

- Remedial action will include the following:
 - Pre-construction activities (including utility locating)
 - Removal of structures
 - Soil excavation following a grid pattern, beginning in the southwest corner (where the highest levels of soil contamination are expected).
- The Berm area will be excavated in its entirety. Dimensions are assumed to be approximately 120-feet x 25-feet x average height of 7-feet tall.
- Western Portion: 42 inch maximum depth in grids N-7, N-8, N-9, N-12, N-13, N-14, 78, N-16 and N-17.
- Eastern Portion: 3-foot maximum depth in grids N-10, N-61, N-15, N-60, N-18 and N-59.



Remedial Approach

- Temporary stockpiling (based on field screening)
- Confirmatory soil sampling (from the outside boundary walls and excavation floor, once the planned extent of excavation has been reached
 - If lab results are below PALS, excavation will be backfilled with clean fill
 - If lab results are above PALS, consultation with USACE will occur
- **Off-site soil disposal:**
 - US Ecology (Beatty, NV) if TCLP Lead > 5.0 mg/L
 - Marana Regional Landfill (Marana, AZ) if TCLP Lead < 5.0 mg/L
- **Site restoration: backfilling excavation areas with clean fill**



Schedule

- **Planned Schedule:**
 - April 19, 2018: Mobilization to site
 - April 23, 2018: Demo of Existing Structures
 - April 26, 2018: Begin soil excavation / stockpiling
 - June 7, 2018: Confirmation soil sampling
 - July 3, 2018: Backfill excavation
 - December 21, 2018: Public Meeting
 - December 24, 2018: Project Closeout
- **After remedial action is complete and all confirmation samples indicate that concentrations are below the PALS for residential soil, the site will be closed and USACE will terminate their lease.**



Information

- The applicable documents are also available upon request
 - Final Remedial Investigation/Feasibility Study, Former U.S. Border Patrol Firing Range, Nogales, Arizona. June 2014. <https://www.cbp.gov/sites/default/files/documents/Nogales%20Firing%20Range%20Remedial%20Investigation%20Feasibility%20Study.pdf>
 - Final Decision Document, Former U.S. Border Patrol Firing Range, Nogales, Arizona. June 2015. <https://www.cbp.gov/sites/default/files/documents/TCA%20NGL%20Firing%20Range%20Decision%20Document%20Final.pdf>
 - Final Remedial Action Work Plan, Former U.S. Border Patrol Firing Range, Nogales, Arizona. January 2018.



Public Comments

- **EPA, ADEQ, and the USACE invite community comments on the proposed remedial action**
- **Public Comment Period: March 1 – March 30, 2018**
- **Comments should be directed to Mr. David Clark (USACE Project Manager):**

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Firing Range















