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NSA CRANE
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RCRA TECHNICAL MEMORANDUM FACILITY INVESTIGATION SUPPLEMENTAL
SAMPLING ROUND 2 UNEXPLODED ORDNANCE 7 (UXO 7) SMALL ARMS RANGE NSA
CRANE IN
7/1/2012
TETRA TECH

**Resource Conservation and
Recovery Act (RCRA)**

**Technical Memorandum -
RCRA Facility Investigation
Supplemental Sampling
(Round 2)**

UXO 7 - Small Arms Range

**Naval Support Activity Crane
Crane, Indiana**



**Naval Facilities Engineering Command
Midwest
Contract Number N62472-03-D-0057
Contract Task Order F272**

July 2012



TECHNICAL MEMORANDUM

DATE: July 13, 2012

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Project File – CTO F272

SUBJECT: NSA Crane UXO 7 Supplemental Soil Sampling Results and Proposed Additional Sampling Plan

Technical Memorandum - RCRA Facility Investigation Supplemental Sampling (Round 2) - UXO 7
Naval Support Activity Crane - Crane, Indiana

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1.0 BACKGROUND

UXO 7 is located in the central portion of the Naval Support Activity (NSA) Crane installation, in a small valley that drains east into Turkey Creek (**Figure 1-1**). UXO 7 is an area at NSA Crane consisting of several small arms ranges including a 500-yard rifle range, pistol range, east trap range, and west trap range (**Figure 1-2**). These former small arms ranges have been the subject of two investigations for contaminants commonly associated with rifle and pistol range ammunition, primarily lead and copper; and also trap range contaminants, which are primarily PAHs and lead.

These small arms range sites were all initially investigated as part of an RFI in 2007 and additional information regarding the site history can be found in the UXO 7 RFI Report (Tetra Tech, 2009). The soil samples collected from the pistol range area generally had low-level detections of lead observed by X-Ray Fluorescence (XRF) in the field, and these soil lead concentrations were likely influenced by the lead-containing small arms ammunition fired on the pistol range. A minor subset (three) of the pistol range soil samples had lead detections above 150 parts per million (ppm) by XRF, including the hillside (range backstop) samples from behind the former pistol range target locations. The human health and ecological receptor risk assessments in the UXO 7 RFI report (Tetra Tech, 2009) for the southern zone indicated no significant risks and no additional sampling activities were recommended or performed for this zone. During the RFI field investigations, PAHs were found to present excess risk to human health in areas of the former trap ranges and lead was found to present excess risk to ecological receptors on the 500-yard Rifle Range (**Figures 1-3 and 1-4**), respectively. Supplemental sampling (Round 1) was conducted in November 2011 to more fully delineate the soil contamination, in order to support prescriptive removal action (Tetra Tech, 2011). Following is a discussion of the combined results of the RFI and Round 1 supplemental sampling and recommendations for future actions.

To better evaluate the human health and ecological risk at UXO 7, the former small arms ranges were grouped into three exposure units (northern zone, central zone, and southern zone) (**Figure 1-2**). The source of PAHs detected in soil from former trap ranges in the Central Zone is the tar pitch/bitumen binder materials which were used in the manufacturing of the clay pigeon targets. There were low-level detections of lead observed in trap range soil samples which likely originated in part from the lead shot in the ammunition cartridges fired from the shotguns. The lead concentrations detected in the trap range soil samples were collected during the original RFI sampling and those samples all had XRF readings below 50 ppm, indicating that soil lead contamination was not an issue at the trap ranges. These XRF results were confirmed by limited fixed-base laboratory (FBL) soil sample analyses. The lead risks associated with portions of the 500-yard Rifle Range (Rifle Range) located in the northern zone are a result of lead bullets fired at the Rifle Range.

Based on these risks, supplemental sampling was conducted in November 2011 (Round 1) to more fully delineate the lead and PAH contamination in order to support a prescriptive removal action (Tetra Tech, 2011). The majority of soil samples collected during the Round 1 supplemental sampling at UXO 7 were collected by hand auger from 0 to 2 feet below ground surface (bgs) (see **Table 1-1**). Additional samples, at depths greater than 2 feet bgs, were collected utilizing DPT. All soil samples collected in the northern zone of the Rifle Range were analyzed in the field for lead via XRF. Based on the XRF results, additional "step-out" samples were collected.

Select samples were then shipped to the FBL for lead analysis. PAH analysis at the FBL was conducted on samples collected from the East and West Trap Ranges because clay targets were only used within those two areas.

All field work performed for the 2007 RFI was performed in accordance with the procedures and methodologies described in the United States Environmental Protection Agency (USEPA)-approved QAPP Addendum No. 2 (TtNUS, 2007). The 2011 Round 1 supplemental soil sampling at UXO 7 was conducted in accordance with the Technical Memorandum Work Plan for Proposed Supplemental Sampling Activities at UXO 7, approved by the USEPA on October 21, 2011.

Appendix A of this Technical Memorandum contains a complete set of the validated analytical results from both the RFI sampling in 2007 and the RFI Round 1 supplemental sampling in 2011. **Appendix B** contains all supporting field forms and documentation, and **Appendix C** contains site photographs.

2.0 RESULTS

This section presents the combined results of the initial 2007 RFI and the 2011 Round 1 supplemental sampling for the East and West Trap Ranges and the areas within the northern zone of the Rifle Range. **Table 1-1** provides a summary of the samples collected during the Round 1 supplemental sampling event and the full analytical results from the RFI and the Round 1 supplemental sampling event can be found in **Appendix A**.

2.1 Trap Ranges

During the initial UXO 7 RFI sampling event, samples were collected and analyzed for both PAHs and metals. The analytical results indicated an excess human health risk from the PAHs. The United States Environmental Protection Agency (USEPA) has identified seven PAHs as potentially carcinogenic: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno-(1,2,3-cd)-pyrene. Of these PAHs, benzo(a)pyrene has been subjected to the most toxicological study and the USEPA has used the toxicological data to establish quantitative toxicological parameters (cancer slope factors and inhalation unit risks) for benzo(a)pyrene. All seven of these PAHs have a similar chemical structure and similar chemical properties. Laboratory

studies suggest that these chemicals act similarly from the perspective of carcinogenicity and that the carcinogenic potency of the individual PAHs can be evaluated with reference to the carcinogenic potency of benzo(a)pyrene. Therefore, the USEPA has developed a toxicity equivalency factor (TEF) for each potentially carcinogenic PAH that can be used to convert the concentration of that PAH to an equivalent concentration of benzo(a)pyrene. Since benzo(a)pyrene is often abbreviated BaP, this process is known as determining the BaP equivalent concentration.

Therefore, in addition to a direct comparison to individual PAH PALs, a total for calculated BaP equivalents was also done. The calculated screening value for BaP is 0.015 milligrams per kilogram (mg/kg) at a human health risk screening level of 1×10^{-6} .

2.1.1 PAHs

Table 2-1 lists the BaP equivalent results for all samples collected at the UXO 7 West Trap Range during the RFI and the Round 1 supplemental investigation. **Figure 2-1** identifies the soil samples with exceedances of the BaP human health screening criteria for the West Trap Range. **Table 2-2** lists the BaP equivalent results for all samples collected at the UXO 7 East Trap Range during the RFI and the Round 1 supplemental investigation. **Figure 2-2** identifies the soil samples with exceedances of the BaP Human Health screening criteria for the East Trap Range. Based on the collected soil samples from the UXO 7 trap ranges and the BaP equivalent concentrations calculated for those soil samples, there is PAH contamination present within the footprints of the former East and West Trap Ranges above the human health screening level of 0.015 mg/kg BaP equivalents (See **Figures 2-1** and **2-2**). Because the primary screening level of 0.015 mg/kg BaP equivalents for the human health screening level of 1×10^{-6} is particularly low (15 parts per billion), many of the soil samples collected from the former trap ranges that contain detectable levels of PAHs will likely exceed this screening level established for the human health risk level of 1×10^{-6} .

Additional samples (Round 2) are proposed to confirm the lateral and vertical extent of the BaP equivalent concentrations identified in soil samples from the West Trap Range and the East Trap Range, and a proposed sampling approach is further discussed in **Section 3.0**.

2.2 Rifle Range

During the initial UXO 7 RFI sampling event, samples were collected from various locations at the Rifle Range including the main target area, the impact hill behind the main target area, the 100-, 200-, 300-, 400-, and 500-yard firing positions (berms), the open areas between the firing positions, and the dirt mound located between the 300- and 400-yard firing positions. All samples were initially analyzed in the

field for lead via XRF with a subset of those samples selected for metals analysis at the FBL. Based on the analytical results, various concentrations of lead existed at the 500-yard Rifle Range.

2.2.1 Lead

Per an e-mail from Mr. Peter Ramanauskas, dated June 24, 2011, the EPA agreed upon a preliminary remediation goal (PRG) concentration of 192 mg/kg as an acceptable benchmark to be applied as a site-wide arithmetic average soil lead concentration for UXO 7. Lead concentrations greater than the Navy/EPA agreed upon average concentration of 192 mg/kg in the surface soil (defined as ground surface to two feet below ground surface [bgs]) remain in the northern zone of UXO 7 (**Table 2-3**). Specifically, these areas include the 400-yard firing berm (**Figure 2-3**), a small drainageway area located between the 400- and 500-yard firing berms (**Figure 2-4**), and a dirt mound whose origin is currently unknown (**Figure 2-5**). Lead concentrations in deeper soil (greater than two feet bgs) are not regarded as biologically available to ecological receptors, but could serve as potential exposure sources to future human receptors for construction workers, etc. Consequently, deeper subsurface soil samples (below 2 feet bgs) were compared against the direct contact human health criteria of 400 mg/kg and are shown in red font on **Figures 2-3, 2-4, and 2-5**.

3.0 ROUND 2 SUPPLEMENTAL SAMPLING

3.1 PAHs

The RFI and Round 1 supplemental sampling have shown the presence of PAH contamination at the East and West Trap Ranges which present excess risk to human receptors, and the presence of lead contamination at areas within the northern zone of the Rifle Range which present ecological risk. The PAH contamination at the West and East Trap Ranges has not been fully delineated. Additional sampling will be required at the two Trap Range sites to more completely bound and delineate the limits of the PAH soil contamination at these sites.

Several proposed Round 2 supplemental soil sampling locations to improve our understanding of the nature and extent of PAH contamination in the trap ranges soil are identified in **Table 3-1** and indicated on **Figures 3-1 and 3-2**. Although PAH contamination at the former trap range sites is expected to be confined in the upper 2-feet of soil, the proposed approach for supplemental sampling will extend to a depth of 6 feet bgs. Although all proposed samples will be collected and shipped to the FBL, not all samples may be analyzed. Only those samples located adjacent to former locations exhibiting BaP contamination will be initially analyzed by the FBL, as identified on **Table 3-1**. The remaining samples will be held at the FBL and only analyzed upon direction to do so by Tetra Tech with the decision based on BaP concentrations of the initial samples.

This sampling approach should provide confirmation that the PAH contamination in soil is typically not expected to be present at depths of more than two feet bgs.

3.1.1 West Trap Range

Additional soil sampling for PAHs at the West Trap Range will be needed in the north, south, and east portions of the skeet accumulation area to delineate the lateral and vertical extent of BaP equivalent concentrations in soil. Samples are also proposed at former locations to define the vertical extent of BaP equivalent concentrations identified in those locations.

- 1) Proposed Sampling at the West Trap Range (**Figure 3-1**):
 - a. Collection of approximately 176 soil samples from 44 new sample locations at depths to 6 feet bgs (0-1, 1-2, 2-4, and 4-6).
 - b. Collection of 10 soil samples at depth (2-4 and 4-6 ft. bgs) at five former sample locations that exhibited PAH contamination at the 1-2 ft. depth.
 - c. All proposed samples will be collected and shipped to the FBL; however, only those samples located adjacent to former locations exhibiting BaP contamination will be analyzed by the FBL, as identified on **Table 3-1**. The remaining samples will be held at the FBL and only analyzed upon direction to do so by Tetra Tech with the decision based on BaP concentrations of the initial samples. Should the initial interior samples indicate that BaP contamination is bounded both laterally and vertically, then the associated exterior samples will not be analyzed and will be properly disposed by the FBL.

3.1.2 East Trap Range

Additional soil sampling for PAHs at the East Trap Range will be needed in the north, south, east, and west portions of the skeet accumulation area to delineate the lateral and vertical extent of BaP equivalent concentrations in soil. Samples are also proposed at former locations to define the vertical extent of BaP equivalent concentrations identified in those locations.

- 2) Proposed Sampling at the East Trap Range (**Figure 3-2**):
 - a. Collection of approximately 288 soil samples from 72 new sample locations at depths to 6 feet bgs (0-1, 1-2, 2-4, and 4-6).
 - b. Collection of 16 soil samples at depth (2-4 and 4-6 ft. bgs) at eight former sample locations that exhibited PAH contamination at the 1-2 ft. depth.
 - c. All proposed samples will be collected and shipped to the FBL; however, only those samples located adjacent to former locations exhibiting BaP contamination will be analyzed by the FBL, as identified on **Table 3-1**. The remaining samples will be held at the FBL and only analyzed upon direction to do so by Tetra Tech with the decision based on BaP concentrations of the initial samples. Should the initial interior samples indicate that BaP contamination is bounded both laterally and vertically, then the associated exterior samples will not be analyzed and will be properly disposed by the FBL.

3.2 Lead

Various concentrations of lead have been detected at UXO 7. Lead concentrations greater than the Navy/EPA agreed upon concentration of 192 mg/kg remain in the northern zone of UXO 7 (**Table 2-3**). Specifically, these areas include the 400 yard firing berm (**Figure 3-3**), a small drainageway area located between the 400- and 500-yard firing berms (**Figure 3-4**), and a dirt mound whose origin is unknown (**Figure 3-5**). The lead contamination in these areas has not been completely bounded laterally or vertically, and additional sampling is required.

All proposed lead samples will undergo XRF field analysis, and the XRF field screening level for lead has been established at 125 ppm. Soil lead concentrations less than the field screening level of 125 ppm are not likely to exceed the Navy/EPA agreed upon lead concentration of 192 mg/kg.

The following subsections discuss previous sample results as well as the proposed sampling plan for each of the three areas.

3.2.1 400-Yard Firing Berm

In the southwest corner of the 400-yard firing berm, several sample locations exhibited a lead concentration greater than 192 mg/kg at the 1 to 2-foot depth (**Figure 2-3**). Five additional samples were collected in this area at a depth of 2 to 3-feet bgs with only locations X7-SB395 and X7-SB396 exhibiting lead concentrations greater than 192 mg/kg at 321 and 303 mg/kg, respectively. Due to these exceedances, two additional samples were collected at 3 to 4-feet bgs and while sample location X7-SB411 exhibited a lead concentration of 52 mg/kg, sample location X7-SB409 exhibited a lead concentration of 1,087 mg/kg.

In the central portion of the 400-yard firing berm, several sample locations exhibited a lead concentration greater than 192 mg/kg at the 1 to 2-foot depth (**Figure 2-3**). Three additional samples were collected in this area at a depth of 2 to 3-feet bgs with two locations slightly exceeding 192 mg/kg (X7-SB291 at 203 mg/kg and X7-SB296 at 280 mg/kg); and the other sample location (X7-SB295) exhibited a lead concentration of 477 mg/kg.

In the southeast area of the berm, several sample locations exhibited a lead concentration greater than 192 mg/kg at the 1 to 2-foot depth (**Figure 2-3**). Seven additional samples were collected in this area at a depth of 2 to 3-feet bgs with five of those locations exhibiting lead concentrations below 192 mg/kg. Sample X7-SB301 had a lead concentration of 517 mg/kg at the 2 to 3-foot depth, and sample location X7-SB297 had a lead concentration of 232 mg/kg at the 2 to 3-foot depth. It should also be noted that sample location X7-SB417, which is located centrally to most of the above mentioned samples, had a

lead concentration of 159 mg/kg at 4 to 5-foot bgs; however, the 5 to-6 foot sample at this location, exhibited a lead concentration of 715 mg/kg.

- Proposed Sampling at the 400-yard Firing Berm (**Figure 3-3**):
 - a. Collection of approximately 64 soil samples from 16 new sample locations at depths to 4 feet bgs (0-1, 1-2, 2-3, and 3-4).
 - b. Collection of 54 soil samples from 27 former sample locations that exhibited lead contamination at depth.
 - c. All proposed samples will be collected and processed for XRF field analysis for lead. The upper sample intervals will be analyzed first. If an upper sample interval exhibits an XRF lead concentration less than the field screening level of 125 ppm, then the lower sample intervals at that specific location will not undergo XRF analysis. Additionally, should an interior sample exhibit an XRF lead concentration less than the field screening level of 125 ppm, then any proposed associated exterior sample will not be analyzed.
 - d. Should a proposed exterior sample location exhibit an XRF lead concentration greater than the field screening level of 125 ppm, additional step-out samples will then be collected.

3.2.2 Drainageway between 400 and 500-Yard Berm

Eight sample locations within the drainageway between the 400 and 500-yard firing berm exhibited lead concentrations greater than 192 mg/kg at the 1 to 2-foot depth with the highest being 616 mg/kg (**Figure 2-4**). Five additional samples were then collected in this area at depths of either 2 to 3-foot bgs or 3 to 4-foot bgs, with all samples exhibiting lead concentrations less than 90 mg/kg.

- Proposed Sampling at the Drainageway between 400-yard and 500-yard Berms (**Figure 3-4**):
 - a. Collection of approximately 44 soil samples from 11 new sample locations at depths to 4 feet bgs (0-1, 1-2, 2-3, and 3-4).
 - b. Collection of 20 soil samples from 10 former sample locations that exhibited lead contamination at depth.
 - c. All proposed samples will be collected and processed for XRF field analysis for lead. The upper sample intervals will be analyzed first. If an upper sample interval exhibits an XRF lead concentration less than the field screening level of 125 ppm, then the lower sample intervals at that specific location will not undergo XRF analysis. Additionally, should an interior sample exhibit an XRF lead concentration less than the field screening level of 125 ppm, then any proposed associated exterior sample will not be analyzed.
 - d. Should a proposed exterior sample location exhibit an XRF lead concentration greater than the field screening level of 125 ppm, additional step-out samples will then be collected.

3.2.3 Dirt Mound

The dirt mound exists along the gravel road between the 300 and 400-yard firing berm (**Figure 2-5**). The history of the mound is unknown; however, the height of the mound (estimated at approximately 10 feet above ground surface) would have partially blocked the shooters view of the main target area from the

400 and 500-yard firing positions and therefore is presumed to have been placed there after the Rifle Range was no longer operational. It appears as though the dirt mound sits atop a thick black plastic liner.

Three samples located on top of the dirt mound exhibited lead concentrations greater than 192 mg/kg at the 1 to 2-foot depth. These included locations X7-SB310 (374 mg/kg), X7-SB312 (249 mg/kg), and X7-SB313 (201 mg/kg). Three additional samples were then collected at 2 to 3-foot bgs with location X7-SB310 exhibiting a lead concentration of 209 mg/kg and location X7-SB313 having a lead concentration of 466 mg/kg.

To determine if lead contamination was reaching the base of the mound, a DPT rig was utilized to collect three samples along the base of the mound angled into the side of the mound to approximate depths of 2 to 4-feet below the interface of the dirt mound and the natural topography of the site. All three sample locations presented lead concentrations less than 25 mg/kg.

- Proposed Sampling at the Dirt Mound (**Figure 3-5**):
 - a. Collection of approximately 12 soil samples from 3 new sample locations at depths to 4 feet bgs (0-1, 1-2, 2-3, and 3-4).
 - b. Collection of 12 soil samples from 6 former sample locations that exhibited lead contamination at depth.
 - c. All proposed samples will be collected and processed for XRF field analysis for lead. The upper sample intervals will be analyzed first. If an upper sample interval exhibits an XRF lead concentration less than the field screening level of 125 ppm, then the lower sample intervals at that specific location will not undergo XRF analysis. Additionally, should an interior sample exhibit an XRF lead concentration less than the field screening level of 125 ppm, then any proposed associated exterior sample will not be analyzed.
 - d. Should a proposed exterior sample location exhibit an XRF lead concentration greater than the field screening level of 125 ppm, additional step-out samples will then be collected.

REFERENCES

Tetra Tech, Inc. (Tetra Tech), 2011. Resource Conservation and Recovery Act Technical Memorandum – NSA Crane UXO 7 – Small Arms Ranges – Supplemental Work Plan. Naval Support Activity Crane, Crane, Indiana. October.

Tetra Tech, 2009. Resource Conservation and Recovery Act Facility Investigation for UXO 7 Ranges. Naval Surface Warfare Center, Crane Division, Crane, Indiana. July.

Tetra Tech, 2007. Resource Conservation and Recovery Act Facility Investigation Addendum No. 2 to the QAPP for SWMUs 8, 15, 18, 19, 20 and the Old Gun Tub Storage Lot for UXO 5 and UXO 7. Naval Surface Warfare Center, Crane Division, Crane, Indiana. August.

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
West Trap Range (Figure 2-1)						
X7-SS200-0001	11/10/2011	HA	0-1			X
X7-SS200-0102	11/10/2011	HA	1-2			X
X7-SS201-0001	11/10/2011	HA	0-1			X
X7-SS201-0102	11/10/2011	HA	1-2			X
X7-SS202-0001	11/10/2011	HA	0-1			X
X7-SS202-0102	11/10/2011	HA	1-2			X
X7-SS203-0001	11/10/2011	HA	0-1			X
X7-SS203-0102	11/10/2011	HA	1-2			X
X7-SS204-0001	11/10/2011	HA	0-1			X
X7-SS204-0102	11/10/2011	HA	1-2			X
X7-SS205-0001	11/10/2011	HA	0-1			X
X7-SS205-0102	11/10/2011	HA	1-2			X
X7-SS206-0001	11/10/2011	HA	0-1			X
X7-SS206-0102	11/10/2011	HA	1-2			X
X7-SS207-0001	11/10/2011	HA	0-1			X
X7-SS207-0102	11/10/2011	HA	1-2			X
X7-SS208-0001	11/10/2011	HA	0-1			X
X7-SS208-0102	11/10/2011	HA	1-2			X
X7-SS209-0001	11/10/2011	HA	0-1			X
X7-SS209-0102	11/10/2011	HA	1-2			X
X7-SS210-0001	11/10/2011	HA	0-1			X
X7-SS210-0102	11/10/2011	HA	1-2			X
X7-SS211-0001	11/10/2011	HA	0-1			X
X7-SS211-0102	11/10/2011	HA	1-2			X
X7-SS212-0001	11/10/2011	HA	0-1			X
X7-SS212-0102	11/10/2011	HA	1-2			X
X7-SS213-0001	11/10/2011	HA	0-1			X
X7-SS213-0102	11/10/2011	HA	1-2			X
X7-SS214-0001	11/10/2011	HA	0-1			X
X7-SS214-0102	11/10/2011	HA	1-2			X
X7-SS215-0001	11/10/2011	HA	0-1			X
X7-SS215-0102	11/10/2011	HA	1-2			X
X7-SS216-0001	11/10/2011	HA	0-1			X
X7-SS216-0102	11/10/2011	HA	1-2			X
X7-SS217-0001	11/10/2011	HA	0-1			X
X7-SS217-0102	11/10/2011	HA	1-2			X
X7-SS218-0001	11/10/2011	HA	0-1			X
X7-SS218-0102	11/10/2011	HA	1-2			X

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)-
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS219-0001	11/10/2011	HA	0-1			X
X7-SS219-0102	11/10/2011	HA	1-2			X
X7-SS220-0001	11/10/2011	HA	0-1			X
X7-SS220-0102	11/10/2011	HA	1-2			X
X7-SS221-0001	11/10/2011	HA	0-1			X
X7-SS221-0102	11/10/2011	HA	1-2			X
X7-SS222-0001	11/10/2011	HA	0-1			X
X7-SS222-0102	11/10/2011	HA	1-2			X
X7-SS223-0001	11/10/2011	HA	0-1			X
X7-SS223-0102	11/10/2011	HA	1-2			X
X7-SS224-0001	11/10/2011	HA	0-1			X
X7-SS225-0001	11/10/2011	HA	0-1			X
X7-SS225-0102	11/10/2011	HA	1-2			X
X7-SS226-0001	11/10/2011	HA	0-1			X
X7-SS226-0102	11/10/2011	HA	1-2			X
X7-SS227-0001	11/10/2011	HA	0-1			X
X7-SS228-0001	11/10/2011	HA	0-1			X
X7-SS228-0102	11/10/2011	HA	1-2			X
X7-SS229-0001	11/10/2011	HA	0-1			X
X7-SS229-0102	11/10/2011	HA	1-2			X
X7-SS230-0001	11/10/2011	HA	0-1			X
X7-SS230-0102	11/10/2011	HA	1-2			X
X7-SS231-0001	11/10/2011	HA	0-1			X
X7-SS232-0001	11/10/2011	HA	0-1			X
X7-SS232-0102	11/10/2011	HA	1-2			X
X7-SS233-0001	11/10/2011	HA	0-1			X
X7-SS233-0102	11/10/2011	HA	1-2			X
X7-SS234-0001	11/10/2011	HA	0-1			X
X7-SS234-0102	11/10/2011	HA	1-2			X
X7-SS237-0001	11/10/2011	HA	0-1			X
X7-SS238-0001	11/10/2011	HA	0-1			X
X7-SS239-0001	11/10/2011	HA	0-1			X
X7-SS240-0001	11/10/2011	HA	0-1			X
X7-SS240-0102	11/10/2011	HA	1-2			X
X7-SS241-0001	11/10/2011	HA	0-1			X
X7-SS241-0102	11/10/2011	HA	1-2			X
East Trap Range (Figure 2-2)						
X7-SS242-0001	11/9/2011	HA	0-1			X
X7-SS242-0102	11/9/2011	HA	1-2			X
X7-SS243-0001	11/9/2011	HA	0-1			X

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS243-0102	11/9/2011	HA	1-2			X
X7-SS244-0001	11/9/2011	HA	0-1			X
X7-SS244-0102	11/9/2011	HA	1-2			X
X7-SS245-0001	11/9/2011	HA	0-1			X
X7-SS245-0102	11/9/2011	HA	1-2			X
X7-SS246-0001	11/9/2011	HA	0-1			X
X7-SS246-0102	11/9/2011	HA	1-2			X
X7-SS247-0001	11/9/2011	HA	0-1			X
X7-SS247-0102	11/9/2011	HA	1-2			X
X7-SS248-0001	11/9/2011	HA	0-1			X
X7-SS248-0102	11/9/2011	HA	1-2			X
X7-SS249-0001	11/9/2011	HA	0-1			X
X7-SS249-0102	11/9/2011	HA	1-2			X
X7-SS250-0001	11/9/2011	HA	0-1			X
X7-SS250-0102	11/9/2011	HA	1-2			X
X7-SS251-0001	11/9/2011	HA	0-1			X
X7-SS251-0102	11/9/2011	HA	1-2			X
X7-SS252-0001	11/9/2011	HA	0-1			X
X7-SS252-0102	11/9/2011	HA	1-2			X
X7-SS253-0001	11/9/2011	HA	0-1			X
X7-SS253-0102	11/9/2011	HA	1-2			X
X7-SS254-0001	11/9/2011	HA	0-1			X
X7-SS254-0102	11/9/2011	HA	1-2			X
X7-SS255-0001	11/9/2011	HA	0-1			X
X7-SS255-0102	11/9/2011	HA	1-2			X
X7-SS256-0001	11/9/2011	HA	0-1			X
X7-SS256-0102	11/9/2011	HA	1-2			X
X7-SS257-0001	11/9/2011	HA	0-1			X
X7-SS257-0102	11/9/2011	HA	1-2			X
X7-SS258-0001	11/9/2011	HA	0-1			X
X7-SS258-0102	11/9/2011	HA	1-2			X
X7-SS259-0001	11/9/2011	HA	0-1			X
X7-SS259-0102	11/9/2011	HA	1-2			X
X7-SS260-0001	11/9/2011	HA	0-1			X
X7-SS260-0102	11/9/2011	HA	1-2			X
X7-SS261-0001	11/9/2011	HA	0-1			X
X7-SS261-0102	11/9/2011	HA	1-2			X
X7-SS262-0001	11/9/2011	HA	0-1			X
X7-SS262-0102	11/9/2011	HA	1-2			X
X7-SS263-0001	11/9/2011	HA	0-1			X

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)-
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS263-0102	11/9/2011	HA	1-2			X
X7-SS265-0001	11/9/2011	HA	0-1			X
X7-SS265-0102	11/9/2011	HA	1-2			X
X7-SS266-0001	11/9/2011	HA	0-1			X
X7-SS266-0102	11/9/2011	HA	1-2			X
X7-SS267-0001	11/9/2011	HA	0-1			X
X7-SS267-0102	11/9/2011	HA	1-2			X
X7-SS270-0001	11/9/2011	HA	0-1			X
X7-SS270-0102	11/9/2011	HA	1-2			X
X7-SS271-0001	11/9/2011	HA	0-1			X
X7-SS271-0102	11/9/2011	HA	1-2			X
X7-SS272-0001	11/9/2011	HA	0-1			X
X7-SS272-0102	11/9/2011	HA	1-2			X
Northernmost Area of Northern Zone - 500-yard Rifle Range (Figure 2-4)						
X7-SS274-0001	11/8/2011	HA	0-1	X		
X7-SS274-0102	11/8/2011	HA	1-2	X		
X7-SS275-0001	11/8/2011	HA	0-1	X		
X7-SS275-0102	11/8/2011	HA	1-2	X		
X7-SS276-0001	11/8/2011	HA	0-1	X		
X7-SS276-0102	11/8/2011	HA	1-2	X		
X7-SS277-0001	11/8/2011	HA	0-1	X		
X7-SS277-0102	11/8/2011	HA	1-2	X		
X7-SS278-0001	11/8/2011	HA	0-1	X		
X7-SS278-0102	11/8/2011	HA	1-2	X		
X7-SS279-0001	11/8/2011	HA	0-1	X		
X7-SS279-0102	11/8/2011	HA	1-2	X		
X7-SB279-0203	11/12/2011	DPT	2-3	X	X	
X7-SS280-0001	11/8/2011	HA	0-1	X		
X7-SS280-0102	11/8/2011	HA	1-2	X	X	
X7-SS281-0001	11/8/2011	HA	0-1	X		
X7-SS281-0102	11/8/2011	HA	1-2	X		
X7-SS282-0001	11/8/2011	HA	0-1	X		
X7-SS282-0102	11/8/2011	HA	1-2	X		
X7-SB282-0203	11/12/2011	HA	2-3	X		
X7-SS283-0001	11/8/2011	HA	0-1	X		
X7-SS283-0102	11/8/2011	HA	1-2	X		
X7-SS284-0001	11/8/2011	HA	0-1	X		
X7-SS284-0102	11/8/2011	HA	1-2	X		
X7-SS285-0001	11/8/2011	HA	0-1	X		
X7-SS286-0001	11/8/2011	HA	0-1	X		

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS287-0001	11/8/2011	HA	0-1	X	X	
X7-SS288-0001	11/8/2011	HA	0-1	X	X	
X7-SS289-0001	11/8/2011	HA	0-1	X		
X7-SS290-0001	11/8/2011	HA	0-1	X		
X7-SS290-0102	11/8/2011	HA	1-2	X		
Central Area of Northern Zone - 400-yard Firing Berm (Figure 2-3)						
X7-SS291-0001	11/8/2011	HA	0-1	X		
X7-SS291-0102	11/8/2011	HA	1-2	X		
X7-SB291-0203	11/11/2011	HA	2-3	X	X	
X7-SS292-0001	11/8/2011	HA	0-1	X		
X7-SS292-0102	11/8/2011	HA	1-2	X		
X7-SS293-0001	11/8/2011	HA	0-1	X		
X7-SS294-0001	11/8/2011	HA	0-1	X		
X7-SS294-0102	11/8/2011	HA	1-2	X		
X7-SS295-0001	11/8/2011	HA	0-1	X		
X7-SS295-0102	11/8/2011	HA	1-2	X		
X7-SB295-0203	11/11/2011	HA	0-1	X		
X7-SS296-0001	11/8/2011	HA	1-2	X		
X7-SS296-0102	11/8/2011	HA	1-2	X		
X7-SB296-0203	11/11/2011	HA	2-3	X		
X7-SS297-0001	11/7/2011	HA	0-1	X		
X7-SS297-0102	11/7/2011	HA	1-2	X		
X7-SB297-0203	11/11/2011	HA	2-3	X		
X7-SS298-0001	11/7/2011	HA	0-1	X		
X7-SS298-0102	11/7/2011	HA	1-2	X		
X7-SS299-0001	11/7/2011	HA	0-1	X		
X7-SS299-0102	11/7/2011	HA	1-2	X		
X7-SB299-0203	11/11/2011	HA	2-3	X		
X7-SS300-0001	11/7/2011	HA	0-1	X		
X7-SS300-0102	11/7/2011	HA	1-2	X		
X7-SS301-0001	11/7/2011	HA	0-1	X		
X7-SS301-0102	11/7/2011	HA	1-2	X		
X7-SB301-0203	11/11/2011	HA	2-3	X		
X7-SS302-0001	11/7/2011	HA	0-1	X		
X7-SS302-0102	11/7/2011	HA	1-2	X		
X7-SS303-0001	11/7/2011	HA	0-1	X		
X7-SS303-0102	11/7/2011	HA	1-2	X		
X7-SS304-0001	11/7/2011	HA	0-1	X		
X7-SS305-0001	11/8/2011	HA	0-1	X		
X7-SS305-0102	11/8/2011	HA	1-2	X		

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)-
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS306-0001	11/8/2011	HA	0-1	X		
X7-SS306-0102	11/8/2011	HA	1-2	X		
X7-SB306-0203	11/11/2011	HA	2-3	X		
X7-SS307-0001	11/8/2011	HA	0-1	X		
X7-SS307-0102	11/8/2011	HA	1-2	X		
X7-SS308-0001	11/7/2011	HA	0-1	X		
X7-SS308-0102	11/7/2011	HA	1-2	X		
X7-SB308-0203	11/11/2011	HA	2-3	X		
Southernmost Area of Northern Zone - Dirt Mound (Figure 2-5)						
X7-SS309-0001	11/7/2011	HA	0-1	X		
X7-SS310-0001	11/7/2011	HA	0-1	X		
X7-SS310-0102	11/7/2011	HA	1-2	X	X	
X7-SB310-0203	11/12/2011	HA	2-3	X	X	
X7-SS311-0001	11/7/2011	HA	0-1	X		
X7-SS312-0001	11/7/2011	HA	0-1	X		
X7-SS312-0102	11/7/2011	HA	1-2	X	X	
X7-SS313-0001	11/7/2011	HA	0-1	X	X	
X7-SS313-0102	11/7/2011	HA	1-2	X		
X7-SB313-0203	11/12/2011	HA	2-3	X		
X7-SS314-0001	11/7/2011	HA	0-1	X		
X7-SS314-0102	11/7/2011	HA	1-2	X		
X7-SS315-0001	11/7/2011	HA	0-1	X	X	
X7-SS315-0102	11/7/2011	HA	1-2	X		
X7-SS316-0001	11/7/2011	HA	0-1	X		
X7-SS316-0102	11/7/2011	HA	1-2	X		
X7-SS317-0001	11/7/2011	HA	0-1	X		
X7-SS318-0001	11/7/2011	HA	0-1	X		
X7-SS319-0001	11/7/2011	HA	0-1	X		
X7-SS320-0001	11/7/2011	HA	0-1	X		
X7-SS320-0102	11/7/2011	HA	1-2	X		
X7-SB320-0203	11/12/2011	HA	2-3	X		
Samples Collected at Various Locations to Define Extent of Contamination - (Figures 2-3, 2-4, and 2-5)						
X7-SS321-0001	11/12/2011	HA	0-1	X	X	
X7-SS321-0102	11/12/2011	HA	1-2	X		
X7-SS323-0001	11/12/2011	HA	0-1	X	X	
X7-SS323-0102	11/12/2011	HA	1-2	X		
X7-SS325-0001	11/12/2011	HA	0-1	X		
X7-SS325-0102	11/11/2011	HA	1-2	X		
X7-SS327-0001	11/12/2011	HA	0-1	X	X	
X7-SS329-0001	11/12/2011	HA	0-1	X	X	

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)-
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS331-0001	11/12/2011	HA	0-1	X	X	
X7-SS331-0102	11/12/2011	HA	1-2	X		
X7-SS333-0001	11/12/2011	HA	0-1	X	X	
X7-SS333-0102	11/12/2011	HA	1-2	X		
X7-SS336-0001	11/12/2011	HA	0-1	X	X	
X7-SS336-0102	11/12/2011	HA	1-2	X		
X7-SS337-0001	11/12/2011	HA	0-1	X	X	
X7-SS342-0102	11/12/2011	HA	1-2	X	X	
X7-SS344-0001	11/12/2011	HA	0-1	X	X	
X7-SS344-0102	11/12/2011	HA	1-2	X		
X7-SS345-0001	11/11/2011	HA	0-1	X		
X7-SS345-0102	11/11/2011	HA	1-2	X	X	
X7-SS347-0001	11/11/2011	HA	0-1	X		
X7-SS347-0102	11/11/2011	HA	1-2	X	X	
X7-SS349-0001	11/11/2011	HA	0-1	X		
X7-SS349-0102	11/11/2011	HA	1-2	X		
X7-SS351-0001	11/11/2011	HA	0-1	X	X	
X7-SS351-0102	11/11/2011	HA	1-2	X	X	
X7-SS353-0001	11/11/2011	HA	0-1	X	X	
X7-SS355-0001	11/11/2011	HA	0-1	X	X	
X7-SS355-0102	11/11/2011	HA	1-2	X		
X7-SS357-0001	11/11/2011	HA	0-1	X		
X7-SS357-0102	11/11/2011	HA	1-2	X		
X7-SS358-0001	11/11/2011	HA	0-1	X		
X7-SS358-0102	11/11/2011	HA	1-2	X		
X7-SS360-0001	11/11/2011	HA	0-1	X		
X7-SS360-0102	11/11/2011	HA	1-2	X		
X7-SS361-0001	11/11/2011	HA	0-1	X		
X7-SS361-0102	11/11/2011	HA	1-2	X		
X7-SS363-0001	11/11/2011	HA	0-1	X	X	
X7-SS363-0102	11/11/2011	HA	1-2	X		
X7-SS365-0001	11/11/2011	HA	0-1	X		
X7-SS365-0102	11/11/2011	HA	1-2	X		
X7-SS368-0001	11/11/2011	HA	0-1	X		
X7-SS368-0102	11/11/2011	HA	1-2	X		
X7-SS369-0001	11/11/2011	HA	0-1	X		
X7-SS369-0102	11/11/2011	HA	1-2	X	X	
X7-SS371-0001	11/12/2011	HA	0-1	X	X	
X7-SS373-0001	11/12/2011	HA	0-1	X		
X7-SS376-0001	11/12/2011	HA	0-1	X		

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)-
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS376-0102	11/12/2011	HA	1-2	X	X	
X7-SS377-0001	11/12/2011	HA	0-1	X		
X7-SS377-0102	11/12/2011	HA	1-2	X	X	
X7-SS379-0001	11/12/2011	HA	0-1	X		
X7-SS383-0001	11/12/2011	HA	0-1	X		
X7-SS385-0001	11/12/2011	HA	0-1	X	X	
X7-SS385-0102	11/12/2011	HA	1-2	X		
X7-SS387-0001	11/12/2011	HA	0-1	X		
X7-SS391-0001	11/8/2011	HA	0-1	X		
X7-SS391-0102	11/8/2011	HA	1-2	X		
X7-SB391-0203	11/11/2011	HA	2-3	X		
X7-SS392-0001	11/8/2011	HA	0-1	X	X	
X7-SS393-0001	11/8/2011	HA	0-1	X		
X7-SS393-0102	11/8/2011	HA	1-2	X	X	
X7-SB393-0203	11/11/2011	HA	2-3	X		
X7-SS394-0001	11/8/2011	HA	0-1	X		
X7-SS394-0102	11/8/2011	HA	1-2	X		
X7-SB394-0203	11/11/2011	HA	2-3	X		
X7-SS395-0001	11/8/2011	HA	0-1	X		
X7-SS395-0102	11/8/2011	HA	1-2	X		
X7-SB395-0203	11/11/2011	HA	2-3	X		
X7-SS396-0001	11/8/2011	HA	0-1	X		
X7-SS396-0102	11/8/2011	HA	1-2	X		
X7-SB396-0203	11/11/2011	HA	2-3	X		
X7-SS398-0001	11/11/2011	HA	0-1	X		
X7-SS398-0102	11/11/2011	HA	1-2	X		
X7-SS400-0001	11/11/2011	HA	0-1	X		
X7-SS401-0001	11/11/2011	HA	0-1	X	X	
X7-SS401-0102	11/11/2011	HA	1-2	X		
X7-SS402-0001	11/11/2011	HA	0-1	X	X	
X7-SS404-0001	11/11/2011	HA	0-1	X		
X7-SS404-0102	11/11/2011	HA	1-2	X		
X7-SS406-0001	11/11/2011	HA	0-1	X		
X7-SS407-0001	11/14/2011	HA	0-1	X	X	
X7-SS408-0001	11/14/2011	HA	0-1	X	X	
X7-SS408-0102	11/14/2011	HA	1-2	X		
X7-SB409-0304	11/14/2011	DPT	3-4	X		
X7-SS410-0001	11/14/2011	HA	0-1	X	X	
X7-SB411-0304	11/14/2011	DPT	3-4	X		
X7-SS412-0001	11/14/2011	HA	0-1	X	X	

TABLE 1-1
SAMPLE COLLECTION AND ANALYSIS SUMMARY
UXO 07 - SUPPLEMENTAL SOIL SAMPLING (ROUND 1)-
NSA CRANE
CRANE, INDIANA

SAMPLE ID	SAMPLE COLLECTION DATE	SAMPLE METHOD	SAMPLE DEPTH (ft bgs)	XRF (LEAD)	FBL ANALYSIS	
					LEAD	PAHs
X7-SS412-0102	11/14/2011	HA	1-2	X		
X7-SB413-0304	11/14/2011	DPT	3-4	X		
X7-SS414-0001	11/14/2011	HA	0-1	X	X	
X7-SS414-0102	11/14/2011	HA	1-2	X		
X7-SS415-0001	11/14/2011	HA	0-1	X	X	
X7-SS415-0102	11/14/2011	HA	1-2	X		
X7-SS416-0001	11/14/2011	HA	0-1	X	X	
X7-SB417-0304	11/14/2011	DPT	3-4	X		
X7-SB417-0405	11/14/2011	DPT	4-5	X		
X7-SB417-0506	11/14/2011	DPT	5-6	X		
X7-SS418-0001	11/14/2011	HA	0-1	X		
X7-SS420-0001	11/14/2011	HA	0-1	X		
X7-SS420-0102	11/14/2011	HA	1-2	X		
X7-SS420-0203	11/14/2011	HA	2-3	X		
X7-SS421-0001	11/14/2011	HA	0-1	X		
X7-SS421-0102	11/14/2011	HA	1-2	X		
X7-SS422-0001	11/14/2011	HA	0-1	X		
X7-SS422-0102	11/14/2011	HA	1-2	X	X	
X7-SS422-0203	11/14/2011	HA	2-3	X	X	
X7-SS423-0001	11/14/2011	HA	0-1	X	X	
X7-SS423-0102	11/14/2011	HA	1-2	X		
X7-SS424-0001	11/14/2011	HA	0-1	X	X	
X7-SS424-0102	11/14/2011	HA	1-2	X	X	
X7-SS425-0001	11/14/2011	HA	0-1	X	X	
X7-SS425-0102	11/14/2011	HA	1-2	X		
X7-SB426-0304	11/14/2011	DPT	3-4	X		
X7-SB427-0304	11/14/2011	DPT	3-4	X	X	
X7-SB428-0304	11/14/2011	DPT	3-4	X		
X7-SS429-0001	11/14/2011	HA	0-1	X	X	
X7-SB430-0304	11/15/2011	DPT	3-4	X		
X7-SB430-0405	11/15/2011	DPT	4-5	X		
X7-SB430-0506	11/15/2011	DPT	5-6	X		
X7-SB431-0304	11/15/2011	DPT	3-4	X		
X7-SB431-0405	11/15/2011	DPT	4-5	X	X	
X7-SB432-0304	11/15/2011	DPT	3-4	X		
X7-SB432-0405	11/15/2011	DPT	4-5	X		
X7-SS434-0001	11/15/2011	HA	0-1	X	X	
X7-SS434-0102	11/15/2011	HA	1-2	X		

DPT = Direct-push technology

HA = Hand auger

TABLE 2-1

**SOIL SAMPLE RESULTS SUMMARY - WEST TRAP RANGE
UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS116-0002	1.2016
X7-SS121-0002	11.2544
X7-SS122-0002	0.0181
X7-SS123-0002	2.2173
X7-SS129-0002	0.1115
X7-SS136-0002	0.0010
X7-SS200-0001	0.0707
X7-SS200-0102	0.0254
X7-SS201-0001	85.2068
X7-SS201-0102	0.0068
X7-SS202-0001	0.8697
X7-SS202-0102	0.0080
X7-SS203-0001	2.3358
X7-SS203-0102	0.1940
X7-SS204-0001	0.2854
X7-SS204-0102	0.0040
X7-SS205-0001	0.0330
X7-SS205-0102	0.0055
X7-SS206-0001	0.0043
X7-SS206-0102	0.0069
X7-SS207-0001	0.6108
X7-SS207-0102	0.0095
X7-SS208-0001	1.3137
X7-SS208-0102	0.0111
X7-SS209-0001	0.2545
X7-SS209-0102	0.0169
X7-SS210-0001	0.4863
X7-SS210-0102	0.0099
X7-SS211-0001	1.7173
X7-SS211-0102	0.0133
X7-SS212-0001	0.0048
X7-SS212-0102	0.0041
X7-SS213-0001	0.0300
X7-SS213-0102	0.0040
X7-SS214-0001	35.0757
X7-SS214-0102	0.0037
X7-SS215-0001	0.0055
X7-SS215-0102	0.0042

TABLE 2-1

SOIL SAMPLE RESULTS SUMMARY - WEST TRAP RANGE
 UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
 NSA CRANE
 CRANE, INDIANA

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS216-0001	0.0043
X7-SS216-0102	0.0040
X7-SS217-0001	1.4685
X7-SS217-0102	0.0498
X7-SS218-0001	1.4477
X7-SS218-0102	0.0092
X7-SS219-0001	0.1290
X7-SS219-0102	0.0039
X7-SS220-0001	0.2844
X7-SS220-0102	0.0100
X7-SS221-0001	0.0047
X7-SS221-0102	0.0040
X7-SS222-0001	0.2461
X7-SS222-0102	0.0093
X7-SS223-0001	0.1068
X7-SS223-0102	0.0063
X7-SS224-0001	0.0211
X7-SS225-0001	0.0563
X7-SS225-0102	0.0046
X7-SS226-0001	0.2964
X7-SS226-0102	0.0039
X7-SS227-0001	0.1679
X7-SS228-0001	0.1189
X7-SS228-0102	0.0129
X7-SS229-0001	5.4938
X7-SS229-0102	0.0087
X7-SS230-0001	0.2924
X7-SS230-0102	0.0161
X7-SS231-0001	0.0100
X7-SS232-0001	9.0937
X7-SS232-0102	0.0045
X7-SS233-0001	0.1361
X7-SS233-0102	0.0038
X7-SS234-0001	0.1377
X7-SS234-0102	0.0285
X7-SS237-0001	0.0082
X7-SS238-0001	0.0163
X7-SS239-0001	0.0144

TABLE 2-1

SOIL SAMPLE RESULTS SUMMARY - WEST TRAP RANGE
 UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
 NSA CRANE
 CRANE, INDIANA

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS240-0001	0.0726
X7-SS240-0102	0.0061
X7-SS241-0001	0.6665
X7-SS241-0102	0.0328
X7-SS242-0001	0.2570
X7-SS242-0102	0.2163
X7-SS243-0001	0.0210
X7-SS243-0102	0.3438
X7-SS244-0001	0.0585
X7-SS244-0102	0.0313
X7-SS245-0001	0.0269
X7-SS245-0102	0.0492
X7-SS246-0001	0.0404
X7-SS246-0102	0.1050
X7-SS247-0001	0.1532
X7-SS247-0102	5.6961
X7-SS248-0001	0.0085
X7-SS248-0102	0.0414
X7-SS249-0001	0.0130
X7-SS249-0102	0.0266
X7-SS250-0001	0.0089
X7-SS250-0102	0.1319
X7-SS251-0001	0.0189
X7-SS251-0102	0.0196
X7-SS252-0001	0.0117
X7-SS252-0102	0.0362
X7-SS253-0001	0.0094
X7-SS253-0102	0.0629
X7-SS254-0001	0.6998
X7-SS254-0102	0.2654
X7-SS255-0001	1.7376
X7-SS255-0102	9.4851
X7-SS256-0001	0.0278
X7-SS256-0102	0.1665
X7-SS257-0001	0.0359
X7-SS257-0102	0.3454
X7-SS258-0001	0.0103
X7-SS258-0102	0.0042

TABLE 2-1

SOIL SAMPLE RESULTS SUMMARY - WEST TRAP RANGE
 UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
 NSA CRANE
 CRANE, INDIANA

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS259-0001	0.0044
X7-SS259-0102	0.0042
X7-SS260-0001	0.0122
X7-SS260-0102	0.1475
X7-SS261-0001	0.0298
X7-SS261-0102	0.2931
X7-SS262-0001	0.4981
X7-SS262-0102	0.0902
X7-SS263-0001	0.4152
X7-SS263-0102	0.0058
X7-SS265-0001	0.0184
X7-SS265-0102	0.0058
X7-SS266-0001	0.0135
X7-SS266-0102	0.0428
X7-SS267-0001	0.0139
X7-SS267-0102	0.0222
X7-SS270-0001	0.0118
X7-SS270-0102	0.0040
X7-SS271-0001	0.0834
X7-SS271-0102	0.1533
X7-SS272-0001	0.1396

Red font indicates an exceedence of the 0.015 mg/kg screening value.

TABLE 2-2

SOIL SAMPLE RESULTS SUMMARY - EAST TRAP RANGE
 UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
 NSA CRANE
 CRANE, INDIANA

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS071-0002	0.0213
X7-SS075-0002	0.2321
X7-SS079-0002	0.0010
X7-SS081-0002	0.0010
X7-SS086-0002	0.0010
X7-SS200-0001	0.0707
X7-SS200-0102	0.0254
X7-SS201-0001	85.2068
X7-SS201-0102	0.0068
X7-SS202-0001	0.8697
X7-SS202-0102	0.0080
X7-SS203-0001	2.3358
X7-SS203-0102	0.1940
X7-SS204-0001	0.2854
X7-SS204-0102	0.0040
X7-SS205-0001	0.0330
X7-SS205-0102	0.0055
X7-SS206-0001	0.0043
X7-SS206-0102	0.0069
X7-SS207-0001	0.6108
X7-SS207-0102	0.0095
X7-SS208-0001	1.3137
X7-SS208-0102	0.0111
X7-SS209-0001	0.2545
X7-SS209-0102	0.0169
X7-SS210-0001	0.4863
X7-SS210-0102	0.0099
X7-SS211-0001	1.7173
X7-SS211-0102	0.0133
X7-SS212-0001	0.0048
X7-SS212-0102	0.0041
X7-SS213-0001	0.0300
X7-SS213-0102	0.0040
X7-SS214-0001	35.0757
X7-SS214-0102	0.0037
X7-SS215-0001	0.0055
X7-SS215-0102	0.0042
X7-SS216-0001	0.0043

TABLE 2-2

**SOIL SAMPLE RESULTS SUMMARY - EAST TRAP RANGE
UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS216-0102	0.0040
X7-SS217-0001	1.4685
X7-SS217-0102	0.0498
X7-SS218-0001	1.4477
X7-SS218-0102	0.0092
X7-SS219-0001	0.1290
X7-SS219-0102	0.0039
X7-SS220-0001	0.2844
X7-SS220-0102	0.0100
X7-SS221-0001	0.0047
X7-SS221-0102	0.0040
X7-SS222-0001	0.2461
X7-SS222-0102	0.0093
X7-SS223-0001	0.1068
X7-SS223-0102	0.0063
X7-SS224-0001	0.0211
X7-SS225-0001	0.0563
X7-SS225-0102	0.0046
X7-SS226-0001	0.2964
X7-SS226-0102	0.0039
X7-SS227-0001	0.1679
X7-SS228-0001	0.1189
X7-SS228-0102	0.0129
X7-SS229-0001	5.4938
X7-SS229-0102	0.0087
X7-SS230-0001	0.2924
X7-SS230-0102	0.0161
X7-SS231-0001	0.0100
X7-SS232-0001	9.0937
X7-SS232-0102	0.0045
X7-SS233-0001	0.1361
X7-SS233-0102	0.0038
X7-SS234-0001	0.1377
X7-SS234-0102	0.0285
X7-SS237-0001	0.0082
X7-SS238-0001	0.0163
X7-SS239-0001	0.0144
X7-SS240-0001	0.0726

TABLE 2-2

SOIL SAMPLE RESULTS SUMMARY - EAST TRAP RANGE
 UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
 NSA CRANE
 CRANE, INDIANA

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS240-0102	0.0061
X7-SS241-0001	0.6665
X7-SS241-0102	0.0328
X7-SS242-0001	0.2570
X7-SS242-0102	0.2163
X7-SS243-0001	0.0210
X7-SS243-0102	0.3438
X7-SS244-0001	0.0585
X7-SS244-0102	0.0313
X7-SS245-0001	0.0269
X7-SS245-0102	0.0492
X7-SS246-0001	0.0404
X7-SS246-0102	0.1050
X7-SS247-0001	0.1532
X7-SS247-0102	5.6961
X7-SS248-0001	0.0085
X7-SS248-0102	0.0414
X7-SS249-0001	0.0130
X7-SS249-0102	0.0266
X7-SS250-0001	0.0089
X7-SS250-0102	0.1319
X7-SS251-0001	0.0189
X7-SS251-0102	0.0196
X7-SS252-0001	0.0117
X7-SS252-0102	0.0362
X7-SS253-0001	0.0094
X7-SS253-0102	0.0629
X7-SS254-0001	0.6998
X7-SS254-0102	0.2654
X7-SS255-0001	1.7376
X7-SS255-0102	9.4851
X7-SS256-0001	0.0278
X7-SS256-0102	0.1665
X7-SS257-0001	0.0359
X7-SS257-0102	0.3454
X7-SS258-0001	0.0103
X7-SS258-0102	0.0042
X7-SS259-0001	0.0044

TABLE 2-2

SOIL SAMPLE RESULTS SUMMARY - EAST TRAP RANGE
 UXO 7 - RFI AND SUPPLEMENTAL SOIL SAMPLES (PAHs)
 NSA CRANE
 CRANE, INDIANA

SAMPLE ID	BaP EQUIVALENTS (mg/kg)
X7-SS259-0102	0.0042
X7-SS260-0001	0.0122
X7-SS260-0102	0.1475
X7-SS261-0001	0.0298
X7-SS261-0102	0.2931
X7-SS262-0001	0.4981
X7-SS262-0102	0.0902
X7-SS263-0001	0.4152
X7-SS263-0102	0.0058
X7-SS265-0001	0.0184
X7-SS265-0102	0.0058
X7-SS266-0001	0.0135
X7-SS266-0102	0.0428
X7-SS267-0001	0.0139
X7-SS267-0102	0.0222
X7-SS270-0001	0.0118
X7-SS270-0102	0.0040
X7-SS271-0001	0.0834
X7-SS271-0102	0.1533
X7-SS272-0001	0.1396

Red font indicates an exceedence of the 0.015 mg/kg screening value.

TABLE 2-3

**SOIL SAMPLE RESULTS SUMMARY - RIFLE RANGE
UXO 7 - SUPPLEMENTAL SOIL SAMPLES (LEAD)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	LEAD - XRF (ppm)	LEAD - CALCULATED (mg/kg)	LEAD - FBL (mg/kg)
X7-SS274-0001	735.00	670.00	---
X7-SS274-0102	433.00	397.00	---
X7-SS275-0001	451.00	413.00	---
X7-SS275-0102	675.00	616.00	---
X7-SS276-0001	135.00	128.00	---
X7-SS276-0102	94.33	91.00	---
X7-SS277-0001	417.00	382.00	---
X7-SS277-0102	342.00	315.00	---
X7-SS278-0001	507.00	464.00	---
X7-SS278-0102	342.00	315.00	---
X7-SS279-0001	445.00	408.00	---
X7-SS279-0102	410.00	376.00	---
X7-SB279-0203	19.67	---	20.1
X7-SS280-0001	661.00	603.00	---
X7-SS280-0102	103.00	---	94.3
X7-SS281-0001	669.00	611.00	---
X7-SS281-0102	101.00	96.60	---
X7-SS282-0001	612.00	559.00	---
X7-SS282-0102	329.00	303.00	---
X7-SB282-0203	92.00	88.80	---
X7-SS283-0001	584.00	534.00	---
X7-SS283-0102	572.00	522.00	---
X7-SS284-0001	550.00	503.00	---
X7-SS284-0102	90.33	87.30	---
X7-SS285-0001	428.00	392.00	---
X7-SS286-0001	203.00	189.00	---
X7-SS287-0001	66.33	---	44.8
X7-SS288-0001	81.67	---	63.8
X7-SS289-0001	80.00	78.00	---
X7-SS290-0001	152.00	143.00	---
X7-SS290-0102	25.67	29.00	---
X7-SS291-0001	1306.00	1186.00	---
X7-SS291-0102	397.00	365.00	---
X7-SB291-0203	304.00	---	203
X7-SS292-0001	244.00	226.00	---
X7-SS292-0102	94.00	90.60	---
X7-SS293-0001	73.00	71.60	---
X7-SS294-0001	157.00	148.00	---
X7-SS294-0102	62.00	61.70	---

TABLE 2-3

**SOIL SAMPLE RESULTS SUMMARY - RIFLE RANGE
UXO 7 - SUPPLEMENTAL SOIL SAMPLES (LEAD)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	LEAD - XRF (ppm)	LEAD - CALCULATED (mg/kg)	LEAD - FBL (mg/kg)
X7-SS295-0001	369.00	339.00	---
X7-SS295-0102	420.00	386.00	---
X7-SB295-0203	521.00	477.00	---
X7-SS296-0001	899.00	818.00	---
X7-SS296-0102	330.00	304.00	---
X7-SB296-0203	303.00	280.00	---
X7-SS297-0001	708.00	646.00	---
X7-SS297-0102	398.00	366.00	---
X7-SB297-0203	250.00	232.00	---
X7-SS298-0001	388.00	356.00	---
X7-SS298-0102	452.00	414.00	---
X7-SS299-0001	367.00	338.00	---
X7-SS299-0102	522.00	478.00	---
X7-SB299-0203	129.00	122.00	---
X7-SS300-0001	248.00	230.00	---
X7-SS300-0102	246.00	228.00	---
X7-SS301-0001	176.00	164.00	---
X7-SS301-0102	388.00	357.00	---
X7-SB301-0203	566.00	517.00	---
X7-SS302-0001	170.00	159.00	---
X7-SS302-0102	78.00	76.20	---
X7-SS303-0001	283.00	261.00	---
X7-SS303-0102	583.00	532.00	---
X7-SS304-0001	91.00	87.90	---
X7-SS305-0001	338.00	311.00	---
X7-SS305-0102	69.00	68.00	---
X7-SS306-0001	530.00	484.00	---
X7-SS306-0102	171.00	160.00	---
X7-SB306-0203	85.00	82.50	---
X7-SS307-0001	622.00	568.00	---
X7-SS307-0102	46.33	47.50	---
X7-SS308-0001	512.33	469.00	---
X7-SS308-0102	253.33	235.00	---
X7-SB308-0203	20.00	23.70	---
X7-SS309-0001	66.67	65.90	---
X7-SS310-0001	408.00	374.00	---
X7-SS310-0102	381.00	---	374
X7-SB310-0203	198.00	---	209
X7-SS311-0001	91.67	88.50	---

TABLE 2-3

**SOIL SAMPLE RESULTS SUMMARY - RIFLE RANGE
UXO 7 - SUPPLEMENTAL SOIL SAMPLES (LEAD)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	LEAD - XRF (ppm)	LEAD - CALCULATED (mg/kg)	LEAD - FBL (mg/kg)
X7-SS312-0001	152.00	143.00	---
X7-SS312-0102	212.00	---	249
X7-SS313-0001	167.00	---	187
X7-SS313-0102	216.00	201.00	---
X7-SB313-0203	509.00	466.00	---
X7-SS314-0001	133.00	126.00	---
X7-SS314-0102	192.00	179.00	---
X7-SS315-0001	216.00	---	220
X7-SS315-0102	65.33	64.70	---
X7-SS316-0001	350.00	322.00	---
X7-SS316-0102	31.33	34.00	---
X7-SS317-0001	76.67	74.90	---
X7-SS318-0001	94.33	90.90	---
X7-SS319-0001	72.00	70.70	---
X7-SS320-0001	303.00	279.00	---
X7-SS320-0102	173.00	162.00	---
X7-SB320-0203	21.33	24.90	---
X7-SS321-0001	173.00	---	156
X7-SS321-0102	38.00	40.00	---
X7-SS323-0001	434.00	---	448
X7-SS323-0102	49.33	50.20	---
X7-SS325-0001	457.00	419.00	---
X7-SS325-0102	35.00	37.30	---
X7-SS327-0001	54.33	---	66.4
X7-SS329-0001	66.33	---	46.3
X7-SS331-0001	138.00	---	138
X7-SS331-0102	37.33	39.40	---
X7-SS333-0001	184.00	---	198
X7-SS333-0102	37.33	39.40	---
X7-SS336-0001	273.00	---	236
X7-SS336-0102	72.33	71.00	---
X7-SS337-0001	65.00	---	63.1
X7-SS342-0102	284.00	---	263
X7-SS344-0001	144.00	---	111
X7-SS344-0102	19.00	22.80	---
X7-SS345-0001	567.00	518.00	---
X7-SS345-0102	96.33	---	78.4
X7-SS347-0001	592.00	541.00	---
X7-SS347-0102	81.33	---	91.5

TABLE 2-3

**SOIL SAMPLE RESULTS SUMMARY - RIFLE RANGE
UXO 7 - SUPPLEMENTAL SOIL SAMPLES (LEAD)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	LEAD - XRF (ppm)	LEAD - CALCULATED (mg/kg)	LEAD - FBL (mg/kg)
X7-SS349-0001	177.00	166.00	---
X7-SS349-0102	659.00	601.00	---
X7-SS351-0001	223.00	---	191
X7-SS351-0102	280.00	---	290
X7-SS353-0001	118.00	---	157
X7-SS355-0001	128.00	---	136
X7-SS355-0102	115.00	110.00	---
X7-SS357-0001	445.00	408.00	---
X7-SS357-0102	70.30	69.20	---
X7-SS358-0001	403.00	370.00	---
X7-SS358-0102	497.00	455.00	---
X7-SS360-0001	251.00	232.00	---
X7-SS360-0102	327.00	302.00	---
X7-SS361-0001	325.00	299.00	---
X7-SS361-0102	316.00	291.00	---
X7-SS363-0001	190.00	---	180
X7-SS363-0102	5.00	10.20	---
X7-SS365-0001	450.00	412.00	---
X7-SS365-0102	440.00	403.00	---
X7-SS368-0001	201.00	187.00	---
X7-SS368-0102	724.00	660.00	---
X7-SS369-0001	955.00	869.00	---
X7-SS369-0102	356.00	---	245
X7-SS371-0001	258.00	---	244
X7-SS373-0001	50.00	50.80	---
X7-SS376-0001	197.00	184.00	---
X7-SS376-0102	151.00	---	136
X7-SS377-0001	414.00	380.00	---
X7-SS377-0102	130.00	---	98.6
X7-SS379-0001	48.67	49.60	---
X7-SS383-0001	65.00	64.40	---
X7-SS385-0001	164.00	---	200
X7-SS385-0102	61.00	60.80	---
X7-SS387-0001	79.33	77.40	---
X7-SS391-0001	162.00	152.00	---
X7-SS391-0102	620.00	566.00	---
X7-SB391-0203	51.67	52.30	---
X7-SS392-0001	117.00	---	107
X7-SS393-0001	157.00	147.00	---

TABLE 2-3

**SOIL SAMPLE RESULTS SUMMARY - RIFLE RANGE
UXO 7 - SUPPLEMENTAL SOIL SAMPLES (LEAD)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	LEAD - XRF (ppm)	LEAD - CALCULATED (mg/kg)	LEAD - FBL (mg/kg)
X7-SS393-0102	283.00	---	226
X7-SB393-0203	200.00	186.00	---
X7-SS394-0001	151.00	142.00	---
X7-SS394-0102	309.00	285.00	---
X7-SB394-0203	33.00	35.50	---
X7-SS395-0001	266.00	246.00	---
X7-SS395-0102	586.00	535.00	---
X7-SB395-0203	348.00	321.00	---
X7-SS396-0001	154.00	145.00	---
X7-SS396-0102	418.00	384.00	---
X7-SB396-0203	329.00	303.00	---
X7-SS398-0001	317.00	293.00	---
X7-SS398-0102	501.00	458.00	---
X7-SS400-0001	109.00	104.00	---
X7-SS401-0001	172.00	---	97.4
X7-SS401-0102	367.00	337.00	---
X7-SS402-0001	117.00	---	89.7
X7-SS404-0001	317.00	292.00	---
X7-SS404-0102	86.00	83.40	---
X7-SS406-0001	82.67	80.60	---
X7-SS407-0001	78.67	---	73.7
X7-SS408-0001	311.00	---	246
X7-SS408-0102	29.00	31.90	---
X7-SB409-0304	1196.00	1087.00	---
X7-SS410-0001	5.00	---	12.3
X7-SB411-0304	51.33	52.00	---
X7-SS412-0001	187.00	---	189
X7-SS412-0102	29.00	31.90	---
X7-SB413-0304	955.00	869.00	---
X7-SS414-0001	188.00	---	199
X7-SS414-0102	108.00	104.00	---
X7-SS415-0001	182.00	---	105
X7-SS415-0102	34.00	36.40	---
X7-SS416-0001	82.67	---	78.2
X7-SB417-0304	208.00	194.00	---
X7-SB417-0405	170.00	159.00	---
X7-SB417-0506	785.00	715.00	---
X7-SS418-0001	47.33	48.40	---
X7-SS420-0001	125.00	119.00	---

TABLE 2-3

**SOIL SAMPLE RESULTS SUMMARY - RIFLE RANGE
UXO 7 - SUPPLEMENTAL SOIL SAMPLES (LEAD)
NSA CRANE
CRANE, INDIANA**

SAMPLE ID	LEAD - XRF (ppm)	LEAD - CALCULATED (mg/kg)	LEAD - FBL (mg/kg)
X7-SS420-0102	486.00	445.00	---
X7-SS420-0203	78.33	76.50	---
X7-SS421-0001	747.33	681.00	---
X7-SS421-0102	15.67	19.80	---
X7-SS422-0001	435.00	399.00	---
X7-SS422-0102	362.00	---	343
X7-SS422-0203	48.00	---	44.5
X7-SS423-0001	299.00	---	340
X7-SS423-0102	22.33	25.80	---
X7-SS424-0001	212.00	---	193
X7-SS424-0102	108.00	91.00	91
X7-SS425-0001	174.00	---	160
X7-SS425-0102	12.00	16.50	---
X7-SB426-0304	11.67	16.20	---
X7-SB427-0304	17.67	---	22.7
X7-SB428-0304	23.33	26.70	---
X7-SS429-0001	107.00	---	125
X7-SB430-0304	10.67	15.30	---
X7-SB430-0405	5.00	10.20	---
X7-SB430-0506	5.00	10.20	---
X7-SB431-0304	46.00	47.20	---
X7-SB431-0405	30.00	---	21.3
X7-SB432-0304	19.67	23.40	---
X7-SB432-0405	5.00	10.20	---
X7-SS434-0001	103.00	---	162
X7-SS434-0102	26.33	29.40	---

Red font indicates an exceedence of the 192 mg/kg screening value.

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
WEST TRAP RANGE			
X7-SB116	X7-SB116-0204	1	1
	X7-SB116-0406	1	2
X7-SB121	X7-SB121-0204	1	1
	X7-SB121-0406	1	2
X7-SB123	X7-SB123-0204	1	1
	X7-SB123-0406	1	2
X7-SB203	X7-SB203-0204	1	1
	X7-SB203-0406	1	2
X7-SB227	X7-SB227-0204	1	1
	X7-SB227-0406	1	2
X7-SB435	X7-SS435-0001	1	4
	X7-SS435-0102	1	4
	X7-SB435-0204	1	5
	X7-SB435-0406	1	5
X7-SB436	X7-SS436-0001	1	4
	X7-SS436-0102	1	4
	X7-SB436-0204	1	5
	X7-SB436-0406	1	5
X7-SB437	X7-SS437-0001	1	3
	X7-SS437-0102	1	3
	X7-SB437-0204	1	4
	X7-SB437-0406	1	5
X7-SB438	X7-SS438-0001	1	3
	X7-SS438-0102	1	3
	X7-SB438-0204	1	4
	X7-SB438-0406	1	5
X7-SB439	X7-SS439-0001	1	3
	X7-SS439-0102	1	3
	X7-SB439-0204	1	4
	X7-SB439-0406	1	5

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase⁽³⁾
X7-SB440	X7-SS440-0001	1	4
	X7-SS440-0102	1	4
	X7-SB440-0204	1	5
	X7-SB440-0406	1	5
X7-SB441	X7-SS441-0001	1	2
	X7-SS441-0102	1	2
	X7-SB441-0204	1	3
	X7-SB441-0406	1	4
X7-SB442	X7-SS442-0001	1	2
	X7-SS442-0102	1	2
	X7-SB442-0204	1	3
	X7-SB442-0406	1	4
X7-SB443	X7-SS443-0001	1	2
	X7-SS443-0102	1	2
	X7-SB443-0204	1	3
	X7-SB443-0406	1	4
X7-SB444	X7-SS444-0001	1	3
	X7-SS444-0102	1	3
	X7-SB444-0204	1	4
	X7-SB444-0406	1	5
X7-SB445	X7-SS445-0001	1	1
	X7-SS445-0102	1	1
	X7-SB445-0204	1	2
	X7-SB445-0406	1	3
X7-SB446	X7-SS446-0001	1	1
	X7-SS446-0102	1	1
	X7-SB446-0204	1	2
	X7-SB446-0406	1	3
X7-SB447	X7-SS447-0001	1	1
	X7-SS447-0102	1	1
	X7-SB447-0204	1	2

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase⁽³⁾
	X7-SB447-0406	1	3
X7-SB448	X7-SS448-0001	1	1
	X7-SS448-0102	1	1
	X7-SB448-0204	1	2
	X7-SB448-0406	1	3
X7-SB449	X7-SS449-0001	1	1
	X7-SS449-0102	1	1
	X7-SB449-0204	1	2
	X7-SB449-0406	1	3
X7-SB450	X7-SS450-0001	1	2
	X7-SS450-0102	1	2
	X7-SB450-0204	1	3
	X7-SB450-0406	1	4
X7-SB451	X7-SS451-0001	1	1
	X7-SS451-0102	1	1
	X7-SB451-0204	1	2
	X7-SB451-0406	1	3
X7-SB452	X7-SS452-0001	1	2
	X7-SS452-0102	1	2
	X7-SB452-0204	1	3
	X7-SB452-0406	1	3
X7-SB453	X7-SS453-0001	1	1
	X7-SS453-0102	1	1
	X7-SB453-0204	1	2
	X7-SB453-0406	1	3
X7-SB454	X7-SS454-0001	1	2
	X7-SS454-0102	1	2
	X7-SB454-0204	1	3
	X7-SB454-0406	1	4
X7-SB455	X7-SS455-0001	1	1
	X7-SS455-0102	1	1

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SB455-0204	1	2
	X7-SB455-0406	1	3
X7-SB456	X7-SS4560001	1	2
	X7-SS456-0102	1	2
	X7-SB456-0204	1	3
	X7-SB456-0406	1	4
X7-SB457	X7-SS457-0001	1	1
	X7-SS457-0102	1	1
	X7-SB457-0204	1	2
	X7-SB457-0406	1	3
X7-SB458	X7-SS458-0001	1	2
	X7-SS458-0102	1	2
	X7-SB458-0204	1	3
	X7-SB458-0406	1	4
X7-SB459	X7-SS459-0001	1	1
	X7-SS459-0102	1	1
	X7-SB459-0204	1	2
	X7-SB459-0406	1	3
X7-SB460	X7-SS460-0001	1	1
	X7-SS460-0102	1	1
	X7-SB460-0204	1	2
	X7-SB460-0406	1	3
X7-SB461	X7-SS461-0001	1	2
	X7-SS461-0102	1	2
	X7-SB461-0204	1	3
	X7-SB461-0406	1	4
X7-SB462	X7-SS462-0001	1	2
	X7-SS462-0102	1	2
	X7-SB462-0204	1	3
	X7-SB462-0406	1	4
X7-SB463	X7-SS463-0001	1	1

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SS463-0102	1	1
	X7-SB463-0204	1	2
	X7-SB463-0406	1	3
X7-SB464	X7-SS464-0001	1	1
	X7-SS464-0102	1	1
	X7-SB464-0204	1	2
	X7-SB464-0406	1	3
X7-SB465	X7-SS465-0001	1	1
	X7-SS465-0102	1	1
	X7-SB465-0204	1	2
	X7-SB465-0406	1	3
X7-SB466	X7-SS466-0001	1	1
	X7-SS466-0102	1	1
	X7-SB466-0204	1	2
	X7-SB466-0406	1	3
X7-SB467	X7-SS467-0001	1	2
	X7-SS467-0102	1	2
	X7-SB467-0204	1	3
	X7-SB467-0406	1	4
X7-SB468	X7-SS468-0001	1	2
	X7-SS468-0102	1	2
	X7-SB468-0204	1	3
	X7-SB468-0406	1	4
X7-SB469	X7-SS469-0001	1	2
	X7-SS469-0102	1	2
	X7-SB469-0204	1	3
	X7-SB469-0406	1	4
X7-SB470	X7-SS470-0001	1	2
	X7-SS470-0102	1	2
	X7-SB470-0204	1	3
	X7-SB470-0406	1	4

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
X7-SB471	X7-SS471-0001	1	1
	X7-SS471-0102	1	2
	X7-SB471-0204	1	3
	X7-SB471-0406	1	4
X7-SB472	X7-SS472-0001	1	2
	X7-SS472-0102	1	2
	X7-SB472-0204	1	3
	X7-SB472-0406	1	4
X7-SB473	X7-SS473-0001	1	2
	X7-SS473-0102	1	2
	X7-SB473-0204	1	3
	X7-SB473-0406	1	4
X7-SB474	X7-SS474-0001	1	3
	X7-SS474-0102	1	3
	X7-SB474-0204	1	4
	X7-SB474-0406	1	5
X7-SB475	X7-SS475-0001	1	3
	X7-SS475-0102	1	3
	X7-SB475-0204	1	4
	X7-SB475-0406	1	5
X7-SB476	X7-SS476-0001	1	3
	X7-SS476-0102	1	3
	X7-SB476-0204	1	4
	X7-SB476-0406	1	5
X7-SB477	X7-SS476-0001	1	3
	X7-SS477-0102	1	3
	X7-SB477-0204	1	4
	X7-SB477-0406	1	5
X7-SB478	X7-SS478-0001	1	3
	X7-SS478-0102	1	3
	X7-SB478-0204	1	4

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SB478-0406	1	5
Total Soil Samples – West Trap Range		186	---
EAST TRAP RANGE			
X7-SB075	X7-SB075-0204	1	1
	X7-SB075-0406	1	2
X7-SB242	X7-SB242-0204	1	1
	X7-SB242-0406	1	2
X7-SB243	X7-SB243-0204	1	1
	X7-SB243-0406	1	2
X7-SB247	X7-SB247-0204	1	1
	X7-SB247-0406	1	2
X7-SB254	X7-SB254-0204	1	1
	X7-SB254-0406	1	2
X7-SB255	X7-SB255-0204	1	1
	X7-SB255-0406	1	2
X7-SB256	X7-SB256-0204	1	1
	X7-SB256-0406	1	2
X7-SB261	X7-SB261-0204	1	1
	X7-SB261-0406	1	2
X7-SB479	X7-SS479-0001	1	3
	X7-SS479-0102	1	3
	X7-SB479-0204	1	4
	X7-SB479-0406	1	5
X7-SB480	X7-SS480-0001	1	3
	X7-SS480-0102	1	3
	X7-SB480-0204	1	4
	X7-SB480-0406	1	5
X7-SB481	X7-SS481-0001	1	2
	X7-SS481-0102	1	2
	X7-SB481-0204	1	3

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase⁽³⁾
	X7-SB481-0406	1	4
X7-SB482	X7-SS482-0001	1	2
	X7-SS482-0102	1	2
	X7-SB482-0204	1	3
	X7-SB482-0406	1	4
X7-SB483	X7-SS483-0001	1	2
	X7-SS483-0102	1	2
	X7-SB483-0204	1	3
	X7-SB483-0406	1	4
X7-SB484	X7-SS484-0001	1	2
	X7-SS484-0102	1	2
	X7-SB484-0204	1	3
	X7-SB484-0406	1	4
X7-SB485	X7-SS485-0001	1	3
	X7-SS485-0102	1	3
	X7-SB485-0204	1	4
	X7-SB485-0406	1	5
X7-SB486	X7-SS486-0001	1	4
	X7-SS486-0102	1	4
	X7-SB486-0204	1	5
	X7-SB486-0406	1	5
X7-SB487	X7-SS487-0001	1	5
	X7-SS487-0102	1	5
	X7-SB487-0204	1	5
	X7-SB487-0406	1	5
X7-SB488	X7-SS488-0001	1	5
	X7-SS488-0102	1	5
	X7-SB488-0204	1	5
	X7-SB488-0406	1	5
X7-SB489	X7-SS489-0001	1	3
	X7-SS489-0102	1	3

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SB489-0204	1	4
	X7-SB489-0406	1	5
X7-SB490	X7-SS490-0001	1	2
	X7-SS490-0102	1	2
	X7-SB490-0204	1	3
	X7-SB490-0406	1	4
X7-SB491	X7-SS491-0001	1	1
	X7-SS491-0102	1	1
	X7-SB491-0204	1	2
	X7-SB491-0406	1	3
X7-SB492	X7-SS492-0001	1	1
	X7-SS492-0102	1	1
	X7-SB492-0204	1	2
	X7-SB492-0406	1	3
X7-SB493	X7-SS493-0001	1	1
	X7-SS493-0102	1	1
	X7-SB493-0204	1	2
	X7-SB493-0406	1	3
X7-SB494	X7-SS494-0001	1	1
	X7-SS494-0102	1	1
	X7-SB494-0204	1	2
	X7-SB494-0406	1	3
X7-SB495	X7-SS495-0001	1	2
	X7-SS495-0102	1	2
	X7-SB495-0204	1	3
	X7-SB495-0406	1	4
X7-SB496	X7-SS496-0001	1	2
	X7-SS496-0102	1	2
	X7-SB496-0204	1	3
	X7-SB496-0406	1	4
X7-SB497	X7-SS497-0001	1	3

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SS497-0102	1	3
	X7-SB497-0204	1	4
	X7-SB497-0406	1	5
X7-SB498	X7-SS498-0001	1	4
	X7-SS498-0102	1	4
	X7-SB498-0204	1	5
	X7-SB498-0406	1	5
X7-SB499	X7-SS499-0001	1	5
	X7-SS499-0102	1	5
	X7-SB499-0204	1	5
	X7-SB499-0406	1	5
X7-SB500	X7-SS500-0001	1	5
	X7-SS500-0102	1	5
	X7-SB500-0204	1	5
	X7-SB500-0406	1	5
X7-SB501	X7-SS501-0001	1	2
	X7-SS501-0102	1	2
	X7-SB501-0204	1	3
	X7-SB501-0406	1	4
X7-SB502	X7-SS502-0001	1	1
	X7-SS502-0102	1	1
	X7-SB502-0204	1	2
	X7-SB502-0406	1	3
X7-SB503	X7-SS503-0001	1	1
	X7-SS503-0102	1	1
	X7-SB503-0204	1	2
	X7-SB503-0406	1	3
X7-SB504	X7-SS504-0001	1	2
	X7-SS504-0102	1	2
	X7-SB504-0204	1	3
	X7-SB504-0406	1	4

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase⁽³⁾
X7-SB505	X7-SS505-0001	1	3
	X7-SS505-0102	1	3
	X7-SB505-0204	1	4
	X7-SB505-0406	1	5
X7-SB506	X7-SS506-0001	1	4
	X7-SS506-0102	1	4
	X7-SB506-0204	1	5
	X7-SB506-0406	1	5
X7-SB507	X7-SS507-0001	1	5
	X7-SS507-0102	1	5
	X7-SB507-0204	1	5
	X7-SB507-0406	1	5
X7-SB508	X7-SS508-0001	1	5
	X7-SS508-0102	1	5
	X7-SB508-0204	1	5
	X7-SB508-0406	1	5
X7-SB509	X7-SS509-0001	1	2
	X7-SS509-0102	1	2
	X7-SB509-0204	1	3
	X7-SB509-0406	1	4
X7-SB510	X7-SS510-0001	1	1
	X7-SS510-0102	1	1
	X7-SB510-0204	1	2
	X7-SB510-0406	1	3
X7-SB511	X7-SS511-0001	1	1
	X7-SS511-0102	1	1
	X7-SB511-0204	1	2
	X7-SB511-0406	1	3
X7-SB512	X7-SS512-0001	1	2
	X7-SS512-0102	1	2
	X7-SB512-0204	1	3

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase⁽³⁾
	X7-SB512-0406	1	4
X7-SB513	X7-SS513-0001	1	2
	X7-SS513-0102	1	2
	X7-SB513-0204	1	3
	X7-SB513-0406	1	4
X7-SB514	X7-SS514-0001	1	2
	X7-SS514-0102	1	2
	X7-SB514-0204	1	3
	X7-SB514-0406	1	4
X7-SB515	X7-SS515-0001	1	2
	X7-SS515-0102	1	2
	X7-SB515-0204	1	3
	X7-SB515-0406	1	4
X7-SB516	X7-SS516-0001	1	3
	X7-SS516-0102	1	3
	X7-SB516-0204	1	4
	X7-SB516-0406	1	5
X7-SB517	X7-SS517-0001	1	2
	X7-SS517-0102	1	2
	X7-SB517-0204	1	3
	X7-SB517-0406	1	4
X7-SB518	X7-SS518-0001	1	1
	X7-SS518-0102	1	1
	X7-SB518-0204	1	2
	X7-SB518-0406	1	3
X7-SB519	X7-SS519-0001	1	1
	X7-SS519-0102	1	1
	X7-SB519-0204	1	2
	X7-SB519-0406	1	3
X7-SB520	X7-SS520-0001	1	2
	X7-SS520-0102	1	2

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SB520-0204	1	3
	X7-SB520-0406	1	4
X7-SB521	X7-SS521-0001	1	1
	X7-SS521-0102	1	1
	X7-SB521-0204	1	2
	X7-SB521-0406	1	3
X7-SB522	X7-SS522-0001	1	1
	X7-SS522-0102	1	1
	X7-SB522-0204	1	2
	X7-SB522-0406	1	3
X7-SB523	X7-SS523-0001	1	2
	X7-SS523-0102	1	2
	X7-SB523-0204	1	3
	X7-SB523-0406	1	4
X7-SB524	X7-SS524-0001	1	3
	X7-SS524-0102	1	3
	X7-SB524-0204	1	4
	X7-SB524-0406	1	5
X7-SB525	X7-SS525-0001	1	2
	X7-SS525-0102	1	2
	X7-SB525-0204	1	3
	X7-SB525-0406	1	4
X7-SB526	X7-SS526-0001	1	1
	X7-SS526-0102	1	1
	X7-SB526-0204	1	2
	X7-SB526-0406	1	3
X7-SB527	X7-SS527-0001	1	1
	X7-SS527-0102	1	1
	X7-SB527-0204	1	2
	X7-SB527-0406	1	3
X7-SB528	X7-SS528-0001	1	1

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
	X7-SS528-0102	1	1
	X7-SB528-0204	1	2
	X7-SB528-0406	1	3
X7-SB529	X7-SS529-0001	1	1
	X7-SS529-0102	1	1
	X7-SB529-0204	1	2
	X7-SB529-0406	1	3
X7-SB530	X7-SS530-0001	1	1
	X7-SS530-0102	1	1
	X7-SB530-0204	1	2
	X7-SB530-0406	1	3
X7-SB531	X7-SS531-0001	1	1
	X7-SS531-0102	1	1
	X7-SB531-0204	1	2
	X7-SB531-0406	1	3
X7-SB532	X7-SS532-0001	1	2
	X7-SS532-0102	1	2
	X7-SB532-0204	1	3
	X7-SB532-0406	1	4
X7-SB533	X7-SS533-0001	1	3
	X7-SS533-0102	1	3
	X7-SB533-0204	1	4
	X7-SB533-0406	1	5
X7-SB534	X7-SS534-0001	1	2
	X7-SS534-0102	1	2
	X7-SB534-0204	1	3
	X7-SB534-0406	1	4
X7-SB535	X7-SS535-0001	1	1
	X7-SS535-0102	1	1
	X7-SB535-0204	1	2
	X7-SB535-0406	1	3

TABLE 3-1

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
 UXO 7 – EAST AND WEST TRAP RANGES
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase ⁽³⁾
X7-SB536	X7-SS536-0001	1	1
	X7-SS536-0102	1	1
	X7-SB536-0204	1	2
	X7-SB536-0406	1	3
X7-SB537	X7-SS537-0001	1	2
	X7-SS537-0102	1	2
	X7-SB537-0204	1	3
	X7-SB537-0406	1	4
X7-SB538	X7-SS538-0001	1	3
	X7-SS538-0102	1	3
	X7-SB538-0204	1	4
	X7-SB538-0406	1	5
X7-SB539	X7-SS539-0001	1	2
	X7-SS539-0102	1	2
	X7-SB539-0204	1	3
	X7-SB539-0406	1	4
X7-SB540	X7-SS540-0001	1	2
	X7-SS540-0102	1	2
	X7-SB540-0204	1	3
	X7-SB540-0406	1	4
X7-SB541	X7-SS541-0001	1	1
	X7-SS541-0102	1	1
	X7-SB541-0204	1	2
	X7-SB541-0406	1	3
X7-SB542	X7-SS542-0001	1	1
	X7-SS542-0102	1	1
	X7-SB542-0204	1	2
	X7-SB542-0406	1	3
X7-SB543	X7-SS543-0001	1	1
	X7-SS543-0102	1	1
	X7-SB543-0204	1	2

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	PAHs (SW 846-8270C)	Analytical Phase⁽³⁾
	X7-SB543-0406	1	3
X7-SB544	X7-SS544-0001	1	2
	X7-SS544-0102	1	2
	X7-SB544-0204	1	3
	X7-SB544-0406	1	4
X7-SB545	X7-SS545-0001	1	2
	X7-SS545-0102	1	2
	X7-SB545-0204	1	3
	X7-SB545-0406	1	4
X7-SB546	X7-SS546-0001	1	2
	X7-SS546-0102	1	2
	X7-SB546-0204	1	3
	X7-SB546-0406	1	4
X7-SB547	X7-SS547-0001	1	2
	X7-SS547-0102	1	2
	X7-SB547-0204	1	3
	X7-SB547-0406	1	4
X7-SB548	X7-SS548-0001	1	2
	X7-SS548-0102	1	2
	X7-SB548-0204	1	3
	X7-SB548-0406	1	4
X7-SB549	X7-SS549-0001	1	3
	X7-SS549-0102	1	3
	X7-SB549-0204	1	4
	X7-SB549-0406	1	5
X7-SB550	X7-SS550-0001	1	3
	X7-SS550-0102	1	3
	X7-SB550-0204	1	4
	X7-SB550-0406	1	5
Total Soil Samples – East Trap Range		304	---

TABLE 3-1

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING for PAHs
UXO 7 – EAST AND WEST TRAP RANGES
NSA CRANE
CRANE, INDIANA**

PAH = Polynuclear aromatic hydrocarbons

- 1 X7 = UXO 7. SB = Soil boring.
- 2 SS = Surface soil. SB = Subsurface Soil. Last four digits of sample ID indicate depth below ground surface in feet.
- 3 All proposed samples will be collected and shipped to the FBL; however, only those samples located adjacent to former locations exhibiting BaP contamination will be initially analyzed by the FBL (Phase 1). The remaining samples (Phases 1 through 5) will be held at the FBL and only analyzed upon direction to do so by Tetra Tech with the decision based on BaP concentrations of associated samples. Should the initial interior samples indicate that BaP contamination is bounded, then the associated exterior samples will not be analyzed and will be properly disposed by the FBL.

TABLE 3-2

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
 UXO 7 – NORTHERN ZONE AREAS
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	XRF	Lead ⁽³⁾ (SW 846-6010B)
CENTRAL AREA OF NORTHERN ZONE			
X7-SB044	X7-SS044-0102	1	TBD
	X7-SB044-0203	1 ⁽⁴⁾	TBD
X7-SB045	X7-SB045-0203	1	TBD
	X7-SB045-0304	1 ⁽⁴⁾	TBD
X7-SB046	X7-SB046-0203	1	TBD
	X7-SB046-0304	1 ⁽⁴⁾	TBD
X7-SB181	X7-SB181-0203	1	TBD
	X7-SB181-0304	1 ⁽⁴⁾	TBD
X7-SB291	X7-SB291-0304	1	TBD
	X7-SB291-0405	1 ⁽⁴⁾	TBD
X7-SB295	X7-SB295-0304	1	TBD
	X7-SB295-0405	1 ⁽⁴⁾	TBD
X7-SB296	X7-SB296-0304	1	TBD
	X7-SB296-0405	1 ⁽⁴⁾	TBD
X7-SB297	X7-SB297-0304	1	TBD
	X7-SB297-0405	1 ⁽⁴⁾	TBD
X7-SB298	X7-SB298-0203	1	TBD
	X7-SB298-0304	1 ⁽⁴⁾	TBD
X7-SB300	X7-SB300-0203	1	TBD
	X7-SB300-0304	1 ⁽⁴⁾	TBD
X7-SB301	X7-SB301-0304	1	TBD
	X7-SB301-0405	1 ⁽⁴⁾	TBD
X7-SB303	X7-SB303-0203	1	TBD
	X7-SB303-0304	1 ⁽⁴⁾	TBD
X7-SB349	X7-SB349-0203	1	TBD
	X7-SB349-0304	1 ⁽⁴⁾	TBD
X7-SB351	X7-SB351-0203	1	TBD
	X7-SB351-0304	1 ⁽⁴⁾	TBD
X7-SB358	X7-SB358-0203	1	TBD
	X7-SB358-0304	1 ⁽⁴⁾	TBD

TABLE 3-2

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
UXO 7 – NORTHERN ZONE AREAS
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	XRF	Lead⁽³⁾ (SW 846-6010B)
X7-SB360	X7-SB360-0203	1	TBD
	X7-SB360-0304	1 ⁽⁴⁾	TBD
X7-SB361	X7-SB361-0203	1	TBD
	X7-SB361-0304	1 ⁽⁴⁾	TBD
X7-SB365	X7-SB365-0203	1	TBD
	X7-SB365-0304	1 ⁽⁴⁾	TBD
X7-SB368	X7-SB368-0203	1	TBD
	X7-SB368-0304	1 ⁽⁴⁾	TBD
X7-SB369	X7-SB369-0203	1	TBD
	X7-SB369-0304	1 ⁽⁴⁾	TBD
X7-SB395	X7-SB395-0304	1	TBD
	X7-SB395-0405	1 ⁽⁴⁾	TBD
X7-SB396	X7-SB396-0304	1	TBD
	X7-SB396-0405	1 ⁽⁴⁾	TBD
X7-SB398	X7-SB398-0203	1	TBD
	X7-SB398-0304	1 ⁽⁴⁾	TBD
X7-SB401	X7-SB401-0203	1	TBD
	X7-SB401-0304	1 ⁽⁴⁾	TBD
X7-SB409	X7-SB409-0405	1	TBD
	X7-SB409-0506	1 ⁽⁴⁾	TBD
X7-SB413	X7-SB413-0405	1	TBD
	X7-SB413-0506	1 ⁽⁴⁾	TBD
X7-SB417	X7-SB417-0607	1	TBD
	X7-SB417-0708	1 ⁽⁴⁾	TBD
X7-SB551	X7-SS551-0001	1	TBD
	X7-SS551-0102	1 ⁽⁴⁾	TBD
	X7-SB551-0203	1 ⁽⁴⁾	TBD
	X7-SB551-0304	1 ⁽⁴⁾	TBD
X7-SB552	X7-SS552-0001	1	TBD
	X7-SS552-0102	1 ⁽⁴⁾	TBD
	X7-SB552-0203	1 ⁽⁴⁾	TBD

TABLE 3-2

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
 UXO 7 – NORTHERN ZONE AREAS
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	XRF	Lead ⁽³⁾ (SW 846-6010B)
	X7-SB552-0304	1 ⁽⁴⁾	TBD
X7-SB553	X7-SS553-0001	1	TBD
	X7-SS553-0102	1 ⁽⁴⁾	TBD
	X7-SB553-0203	1 ⁽⁴⁾	TBD
	X7-SB553-0304	1 ⁽⁴⁾	TBD
X7-SB554	X7-SS553-0001	1	TBD
	X7-SS554-0102	1 ⁽⁴⁾	TBD
	X7-SB554-0203	1 ⁽⁴⁾	TBD
	X7-SB554-0304	1 ⁽⁴⁾	TBD
X7-SB555	X7-SS555-0001	1	TBD
	X7-SS555-0102	1 ⁽⁴⁾	TBD
	X7-SB555-0203	1 ⁽⁴⁾	TBD
	X7-SB555-0304	1 ⁽⁴⁾	TBD
X7-SB556	X7-SS556-0001	1	TBD
	X7-SS556-0102	1 ⁽⁴⁾	TBD
	X7-SB556-0203	1 ⁽⁴⁾	TBD
	X7-SB556-0304	1 ⁽⁴⁾	TBD
X7-SB557	X7-SS557-0001	1	TBD
	X7-SS557-0102	1 ⁽⁴⁾	TBD
	X7-SB557-0203	1 ⁽⁴⁾	TBD
	X7-SB557-0304	1 ⁽⁴⁾	TBD
X7-SB558	X7-SS558-0001	1	TBD
	X7-SS558-0102	1 ⁽⁴⁾	TBD
	X7-SB558-0203	1 ⁽⁴⁾	TBD
	X7-SB558-0304	1 ⁽⁴⁾	TBD
X7-SB559	X7-SS559-0001	1	TBD
	X7-SS559-0102	1 ⁽⁴⁾	TBD
	X7-SB559-0203	1 ⁽⁴⁾	TBD
	X7-SB559-0304	1 ⁽⁴⁾	TBD
X7-SB560	X7-SS560-0001	1	TBD
	X7-SS560-0102	1 ⁽⁴⁾	TBD

TABLE 3-2

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
 UXO 7 – NORTHERN ZONE AREAS
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	XRF	Lead ⁽³⁾ (SW 846-6010B)
	X7-SB560-0203	1 ⁽⁴⁾	TBD
	X7-SB560-0304	1 ⁽⁴⁾	TBD
X7-SB561	X7-SS561-0001	1	TBD
	X7-SS561-0102	1 ⁽⁴⁾	TBD
	X7-SB561-0203	1 ⁽⁴⁾	TBD
	X7-SB561-0304	1 ⁽⁴⁾	TBD
X7-SB562	X7-SS562-0001	1	TBD
	X7-SS562-0102	1 ⁽⁴⁾	TBD
	X7-SB562-0203	1 ⁽⁴⁾	TBD
	X7-SB562-0304	1 ⁽⁴⁾	TBD
X7-SB563	X7-SS563-0001	1	TBD
	X7-SS563-0102	1 ⁽⁴⁾	TBD
	X7-SB563-0203	1 ⁽⁴⁾	TBD
	X7-SB563-0304	1 ⁽⁴⁾	TBD
X7-SB564	X7-SS564-0001	1	TBD
	X7-SS564-0102	1 ⁽⁴⁾	TBD
	X7-SB564-0203	1 ⁽⁴⁾	TBD
	X7-SB564-0304	1 ⁽⁴⁾	TBD
X7-SB565	X7-SS565-0001	1	TBD
	X7-SS565-0102	1 ⁽⁴⁾	TBD
	X7-SB565-0203	1 ⁽⁴⁾	TBD
	X7-SB565-0304	1 ⁽⁴⁾	TBD
X7-SB566	X7-SS566-0001	1	TBD
	X7-SS566-0102	1 ⁽⁴⁾	TBD
	X7-SB566-0203	1 ⁽⁴⁾	TBD
	X7-SB566-0304	1 ⁽⁴⁾	TBD
NORTHERNMOST AREA OF NORTHERN ZONE			
X7-SB055	X7-SB055-0203	1	TBD
	X7-SB055-0304	1 ⁽⁴⁾	TBD
X7-SB174	X7-SB174-0203	1	TBD
	X7-SB174-0304	1 ⁽⁴⁾	TBD

TABLE 3-2

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
UXO 7 – NORTHERN ZONE AREAS
NSA CRANE
CRANE, INDIANA**

Sample Location⁽¹⁾	Sample ID⁽²⁾	XRF	Lead⁽³⁾ (SW 846-6010B)
X7-SB190	X7-SB190-0203	1	TBD
	X7-SB190-0304	1 ⁽⁴⁾	TBD
X7-SB274	X7-SB274-0203	1	TBD
	X7-SB274-0304	1 ⁽⁴⁾	TBD
X7-SB275	X7-SB275-0203	1	TBD
	X7-SB275-0304	1 ⁽⁴⁾	TBD
X7-SB277	X7-SB277-0203	1	TBD
	X7-SB277-0304	1 ⁽⁴⁾	TBD
X7-SB278	X7-SB278-0203	1	TBD
	X7-SB278-0304	1 ⁽⁴⁾	TBD
X7-SB283	X7-SB283-0203	1	TBD
	X7-SB283-0304	1 ⁽⁴⁾	TBD
X7-SB285	X7-SB285-0102	1	TBD
	X7-SB285-0203	1 ⁽⁴⁾	TBD
X7-SB342	X7-SB342-0203	1	TBD
	X7-SB342-0304	1 ⁽⁴⁾	TBD
X7-SB567	X7-SB567-0001	1	TBD
	X7-SB567-0102	1 ⁽⁴⁾	TBD
	X7-SB567-0203	1 ⁽⁴⁾	TBD
	X7-SB567-0304	1 ⁽⁴⁾	TBD
X7-SB568	X7-SB568-0001	1	TBD
	X7-SB568-0102	1 ⁽⁴⁾	TBD
	X7-SB568-0203	1 ⁽⁴⁾	TBD
	X7-SB568-0304	1 ⁽⁴⁾	TBD
X7-SB569	X7-SB569-0001	1	TBD
	X7-SB569-0102	1 ⁽⁴⁾	TBD
	X7-SB569-0203	1 ⁽⁴⁾	TBD
	X7-SB569-0304	1 ⁽⁴⁾	TBD
X7-SB570	X7-SB570-0001	1	TBD
	X7-SB570-0102	1 ⁽⁴⁾	TBD
	X7-SB570-0203	1 ⁽⁴⁾	TBD

TABLE 3-2

ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
 UXO 7 – NORTHERN ZONE AREAS
 NSA CRANE
 CRANE, INDIANA

Sample Location ⁽¹⁾	Sample ID ⁽²⁾	XRF	Lead ⁽³⁾ (SW 846-6010B)
	X7-SB570-0304	1 ⁽⁴⁾	TBD
X7-SB571	X7-SB571-0001	1	TBD
	X7-SB571-0102	1 ⁽⁴⁾	TBD
	X7-SB571-0203	1 ⁽⁴⁾	TBD
	X7-SB571-0304	1 ⁽⁴⁾	TBD
X7-SB572	X7-SB572-0001	1	TBD
	X7-SB572-0102	1 ⁽⁴⁾	TBD
	X7-SB572-0203	1 ⁽⁴⁾	TBD
	X7-SB572-0304	1 ⁽⁴⁾	TBD
X7-SB573	X7-SB573-0001	1	TBD
	X7-SB573-0102	1 ⁽⁴⁾	TBD
	X7-SB573-0203	1 ⁽⁴⁾	TBD
	X7-SB573-0304	1 ⁽⁴⁾	TBD
X7-SB574	X7-SB574-0001	1	TBD
	X7-SB574-0102	1 ⁽⁴⁾	TBD
	X7-SB574-0203	1 ⁽⁴⁾	TBD
	X7-SB574-0304	1 ⁽⁴⁾	TBD
X7-SB575	X7-SB575-0001	1	TBD
	X7-SB575-0102	1 ⁽⁴⁾	TBD
	X7-SB575-0203	1 ⁽⁴⁾	TBD
	X7-SB575-0304	1 ⁽⁴⁾	TBD
X7-SB576	X7-SB576-0001	1	TBD
	X7-SB576-0102	1 ⁽⁴⁾	TBD
	X7-SB576-0203	1 ⁽⁴⁾	TBD
	X7-SB576-0304	1 ⁽⁴⁾	TBD
X7-SB577	X7-SB577-0001	1	TBD
	X7-SB577-0102	1 ⁽⁴⁾	TBD
	X7-SB577-0203	1 ⁽⁴⁾	TBD
	X7-SB577-0304	1 ⁽⁴⁾	TBD
SOUTHERNMOST AREA OF NORTHERN ZONE			
X7-SB038	X7-SB038-0203	1	TBD

TABLE 3-2

**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
UXO 7 – NORTHERN ZONE AREAS
NSA CRANE
CRANE, INDIANA**

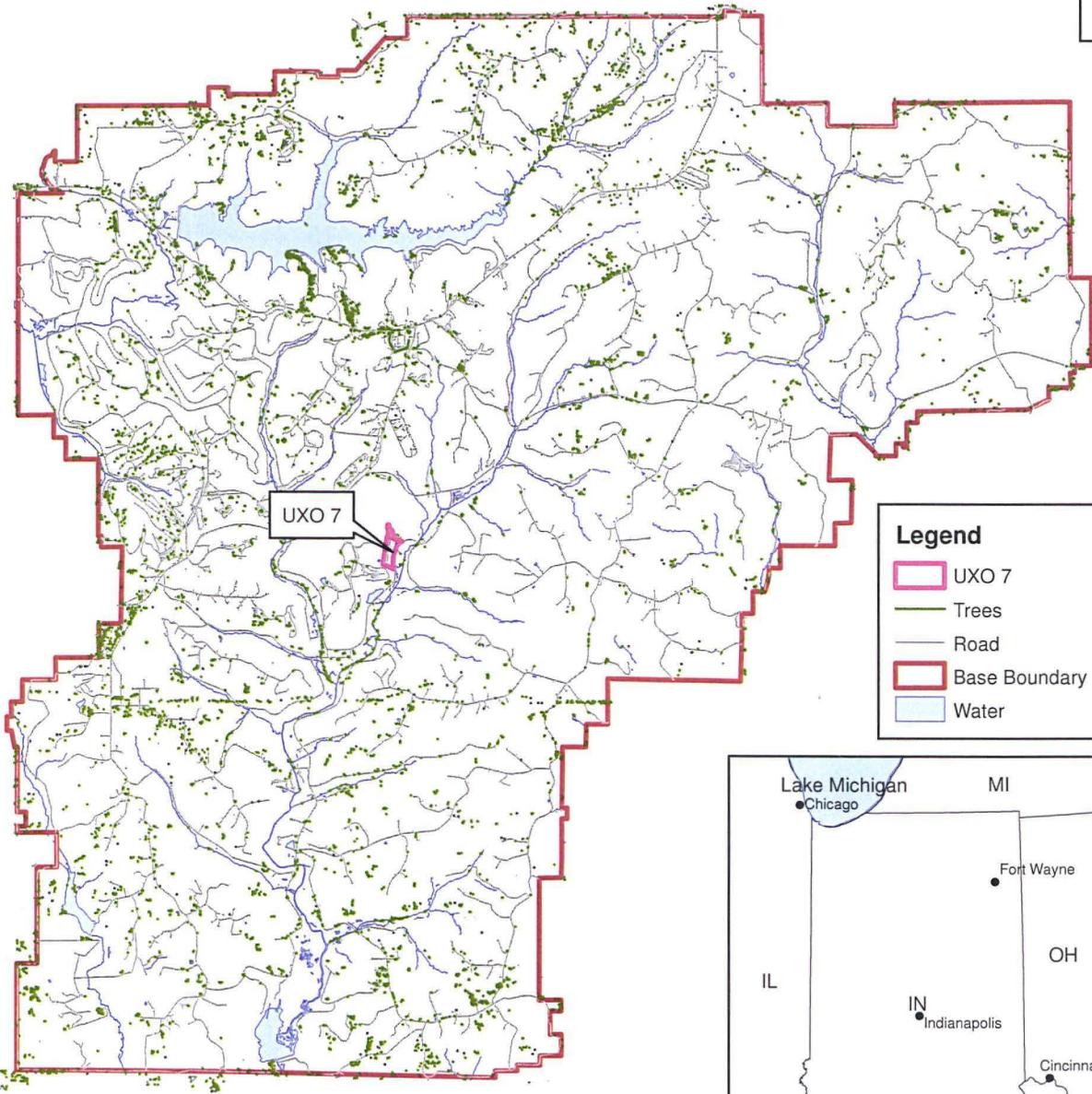
Sample Location⁽¹⁾	Sample ID⁽²⁾	XRF	Lead⁽³⁾ (SW 846-6010B)
	X7-SB038-0304	1 ⁽⁴⁾	TBD
X7-SB039	X7-SB039-0203	1	TBD
	X7-SB039-0304	1 ⁽⁴⁾	TBD
X7-SB310	X7-SB310-0304	1	TBD
	X7-SB310-0405	1 ⁽⁴⁾	TBD
X7-SB312	X7-SB312-0203	1	TBD
	X7-SB312-0304	1 ⁽⁴⁾	TBD
X7-SB313	X7-SB313-0304	1	TBD
	X7-SB313-0405	1 ⁽⁴⁾	TBD
X7-SB371	X7-SS371-0102	1	TBD
	X7-SB371-0203	1 ⁽⁴⁾	TBD
X7-SB578	X7-SB578-0001	1	TBD
	X7-SB578-0102	1 ⁽⁴⁾	TBD
	X7-SB578-0203	1 ⁽⁴⁾	TBD
	X7-SB578-0304	1 ⁽⁴⁾	TBD
X7-SB579	X7-SB579-0001	1	TBD
	X7-SB579-0102	1 ⁽⁴⁾	TBD
	X7-SB579-0203	1 ⁽⁴⁾	TBD
	X7-SB579-0304	1 ⁽⁴⁾	TBD
X7-SB580	X7-SB580-0001	1	TBD
	X7-SB580-0102	1 ⁽⁴⁾	TBD
	X7-SB580-0203	1 ⁽⁴⁾	TBD
	X7-SB580-0304	1 ⁽⁴⁾	TBD
Total Soil Samples – Rifle Range		206⁽⁴⁾	25

- 1 X7 = UXO 7. SB = Soil boring.
- 2 SS = Surface soil. SB = Subsurface Soil. Last four digits of sample ID indicate depth below ground surface in feet.
- 3 A maximum of 25 samples will be shipped to the fixed-base laboratory for lead analysis. The majority of these samples will be selected from those exhibiting an XRF lead concentration ranging from 125 to 500 ppm.
- 4 All proposed samples will be collected and processed for XRF field analysis for lead; however, if the upper sample interval at a specific location exhibits an XRF lead concentration less than 192 ppm, then the collected lower sample intervals at that specific location will not undergo XRF analysis.

TABLE 3-2

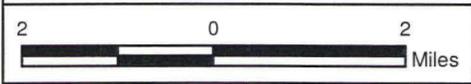
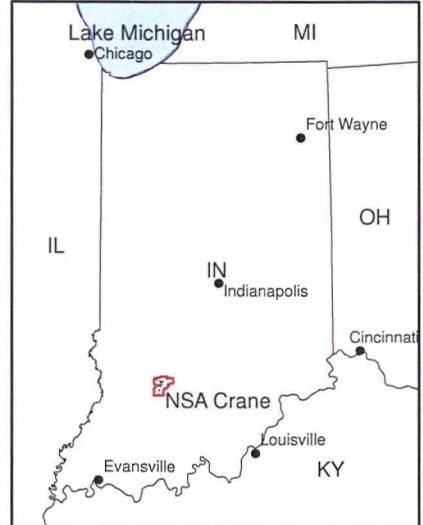
**ROUND 2 PROPOSED SUPPLEMENTAL SOIL SAMPLING FOR LEAD
UXO 7 – NORTHERN ZONE AREAS
NSA CRANE
CRANE, INDIANA**

Additionally, should an interior sample exhibit an XRF lead concentration less than 192 ppm, then any proposed associated exterior sample will not be analyzed. Should a proposed exterior sample location exhibit an XRF lead concentration greater than 192 ppm, additional step-out samples will be collected.

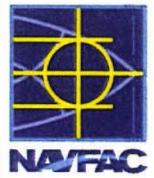


Legend

- UXO 7
- Trees
- Road
- Base Boundary
- Water



DRAWN BY	DATE
T. WHEATON	05/12/10
CHECKED BY	DATE
R. BARRINGER	03/14/12
REVISED BY	DATE
S. PAXTON	03/14/12
SCALE AS NOTED	



**UXO 7 SITE LOCATION MAP
NSA CRANE
CRANE, INDIANA**

CONTRACT NUMBER CTO F272	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
1 - 1	0

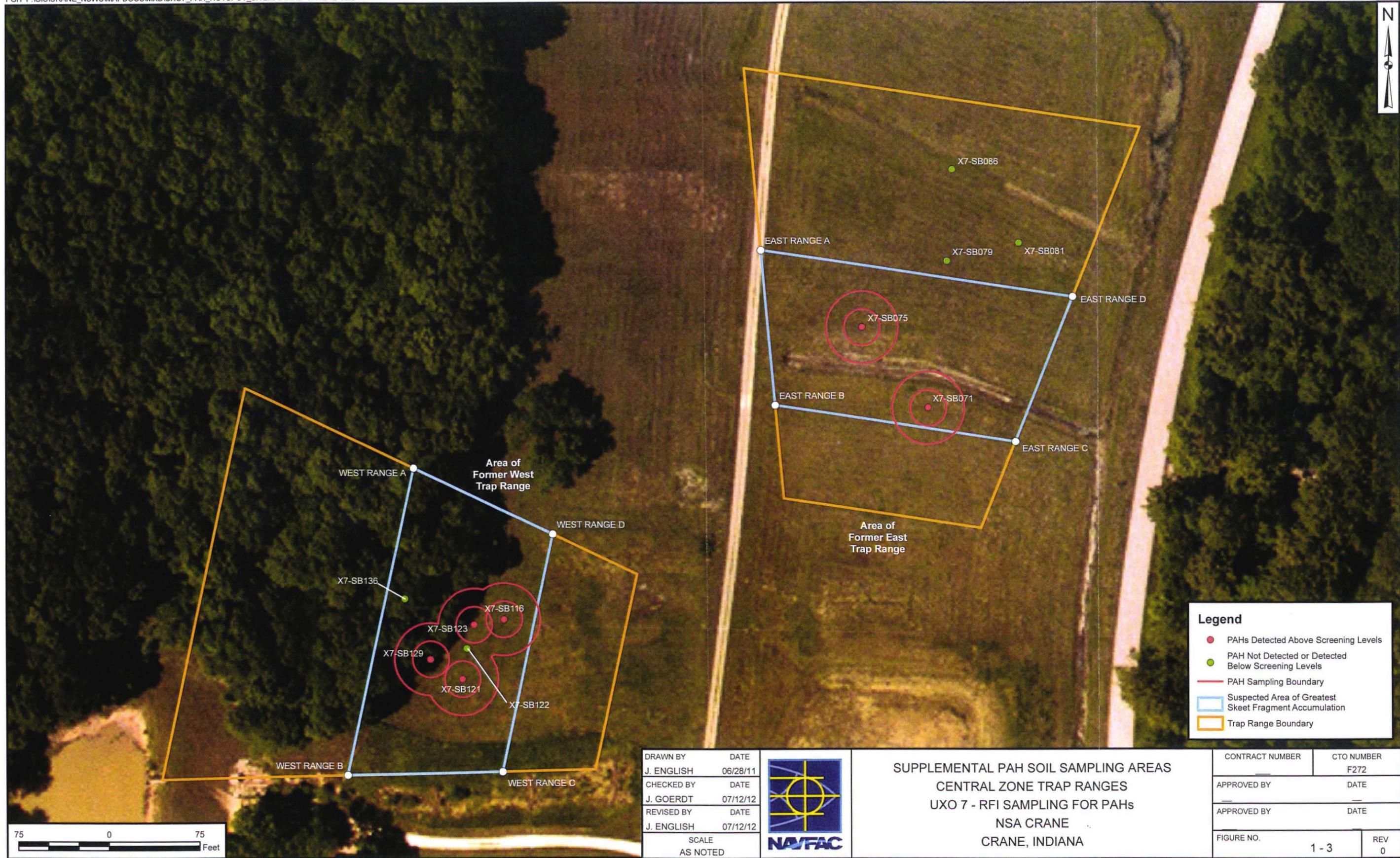


DRAWN BY	DATE
J. ENGLISH	07/07/11
CHECKED BY	DATE
R. BARRINGER	03/14/12
REVISED BY	DATE
S. PAXTON	03/14/12
SCALE AS NOTED	



UXO 7 SMALL ARMS RANGES
NSA CRANE
CRANE, INDIANA

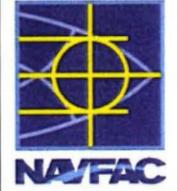
CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
1 - 2	0



Legend

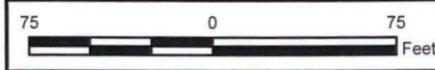
- PAHs Detected Above Screening Levels
- PAH Not Detected or Detected Below Screening Levels
- PAH Sampling Boundary
- Suspected Area of Greatest Skeet Fragment Accumulation
- Trap Range Boundary

DRAWN BY	DATE
J. ENGLISH	06/28/11
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE AS NOTED	

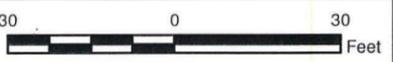


**SUPPLEMENTAL PAH SOIL SAMPLING AREAS
CENTRAL ZONE TRAP RANGES
UXO 7 - RFI SAMPLING FOR PAHs
NSA CRANE
CRANE, INDIANA**

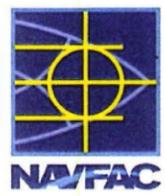
CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
1 - 3	0



Aerial photograph taken in 2009.



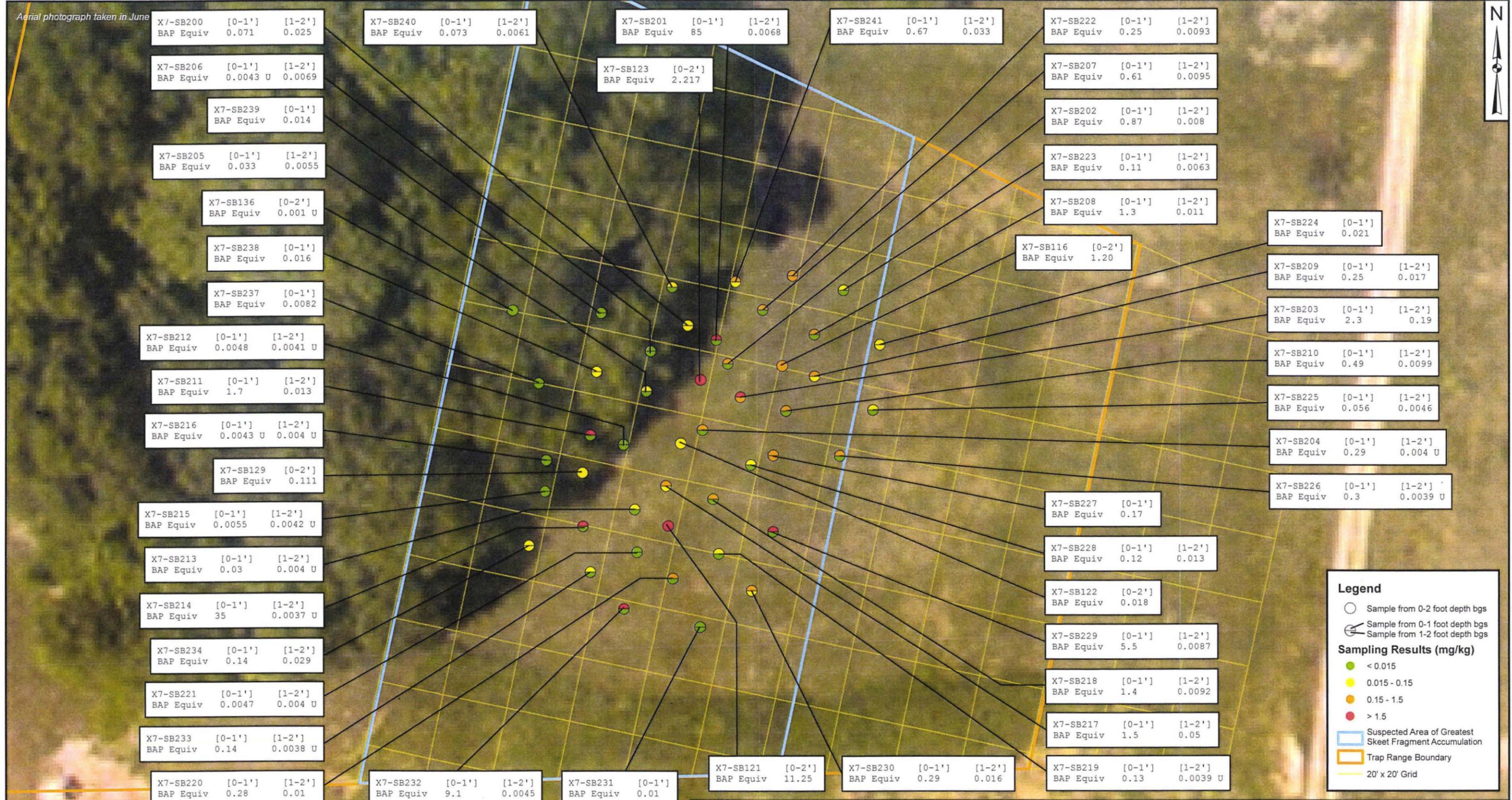
DRAWN BY	DATE
J. ENGLISH	07/05/11
CHECKED BY	DATE
R. BARRINGER	03/16/12
REVISED BY	DATE
S. PAXTON	03/16/12
SCALE AS NOTED	



SUPPLEMENTAL LEAD SOIL SAMPLING AREAS
NORTHERN ZONE
UXO 7 - RFI SAMPLING FOR LEAD
NSA CRANE
CRANE, INDIANA

Legend	
●	Lead detected above 192 mg/kg
●	Lead not detected or below 192 mg/kg
—	Lead Sampling Boundary

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
1 - 4	0



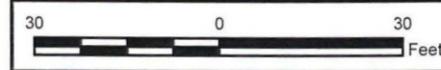
Legend

- Sample from 0-2 foot depth bgs
- Sample from 0-1 foot depth bgs
- Sample from 1-2 foot depth bgs

Sampling Results (mg/kg)

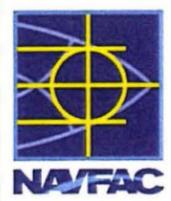
- < 0.015
- 0.015 - 0.15
- 0.15 - 1.5
- > 1.5

- Suspected Area of Greatest Skeet Fragment Accumulation
- Trap Range Boundary
- 20' x 20' Grid



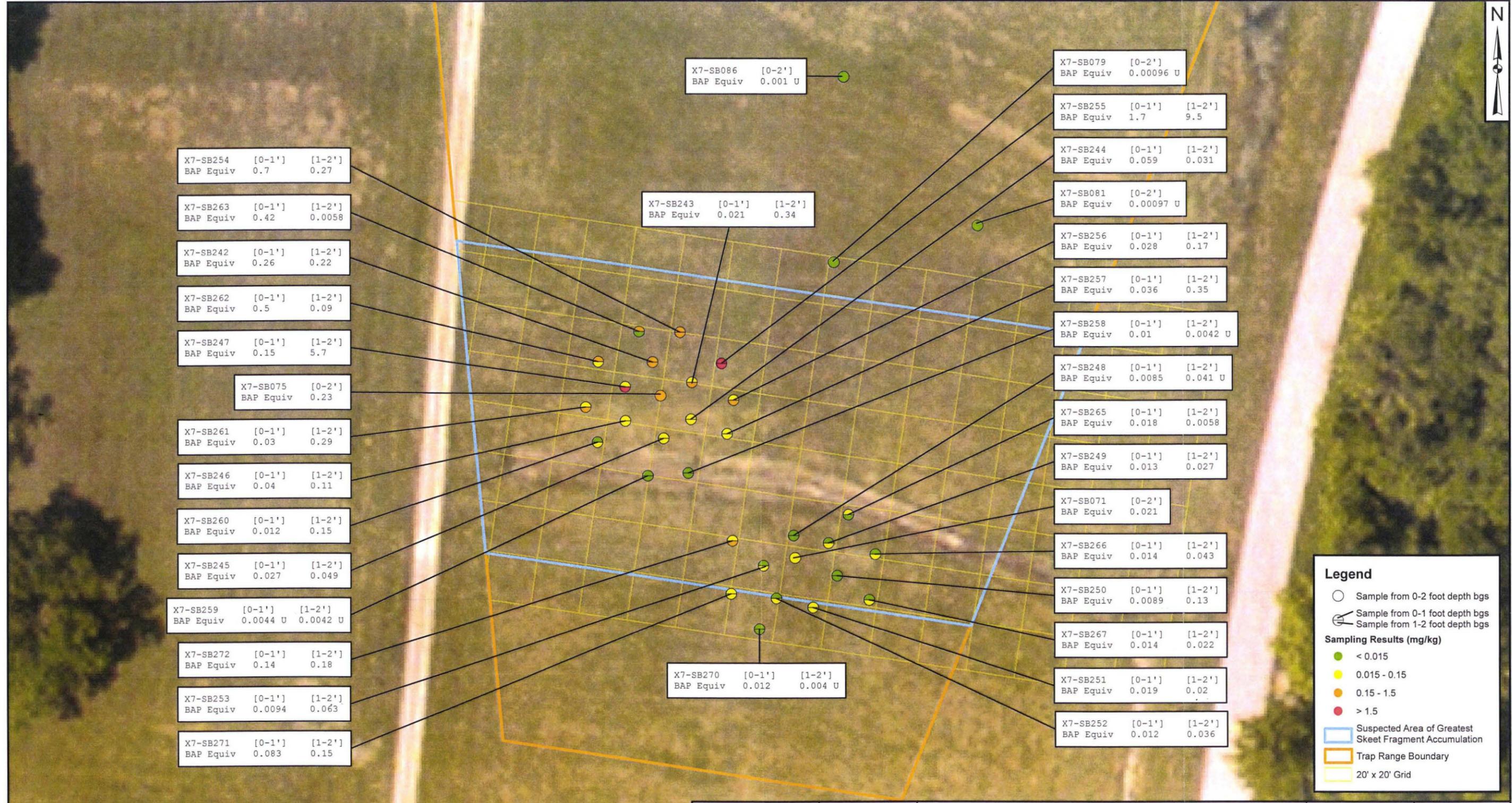
Notes:
 1) BAP Equiv = Benzo(a)pyrene equivalent concentration (includes half-concentrations for non-detects).
 2) U = non-detect.

DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
R. BARRINGER	04/17/12
REVISED BY	DATE
J. NOVAK	04/17/12
SCALE	
AS NOTED	



**BAP EQUIVALENT SOIL SAMPLING RESULTS
 UXO 7 - WEST TRAP RANGE
 RFI AND SUPPLEMENTAL SAMPLING RESULTS
 NSA CRANE
 CRANE, INDIANA**

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
2 - 1	0



X7-SB254 [0-1'] [1-2']
BAP Equiv 0.7 0.27

X7-SB263 [0-1'] [1-2']
BAP Equiv 0.42 0.0058

X7-SB242 [0-1'] [1-2']
BAP Equiv 0.26 0.22

X7-SB262 [0-1'] [1-2']
BAP Equiv 0.5 0.09

X7-SB247 [0-1'] [1-2']
BAP Equiv 0.15 5.7

X7-SB075 [0-2']
BAP Equiv 0.23

X7-SB261 [0-1'] [1-2']
BAP Equiv 0.03 0.29

X7-SB246 [0-1'] [1-2']
BAP Equiv 0.04 0.11

X7-SB260 [0-1'] [1-2']
BAP Equiv 0.012 0.15

X7-SB245 [0-1'] [1-2']
BAP Equiv 0.027 0.049

X7-SB259 [0-1'] [1-2']
BAP Equiv 0.0044 U 0.0042 U

X7-SB272 [0-1'] [1-2']
BAP Equiv 0.14 0.18

X7-SB253 [0-1'] [1-2']
BAP Equiv 0.0094 0.063

X7-SB271 [0-1'] [1-2']
BAP Equiv 0.083 0.15

X7-SB086 [0-2']
BAP Equiv 0.001 U

X7-SB243 [0-1'] [1-2']
BAP Equiv 0.021 0.34

X7-SB270 [0-1'] [1-2']
BAP Equiv 0.012 0.004 U

X7-SB079 [0-2']
BAP Equiv 0.00096 U

X7-SB255 [0-1'] [1-2']
BAP Equiv 1.7 9.5

X7-SB244 [0-1'] [1-2']
BAP Equiv 0.059 0.031

X7-SB081 [0-2']
BAP Equiv 0.00097 U

X7-SB256 [0-1'] [1-2']
BAP Equiv 0.028 0.17

X7-SB257 [0-1'] [1-2']
BAP Equiv 0.036 0.35

X7-SB258 [0-1'] [1-2']
BAP Equiv 0.01 0.0042 U

X7-SB248 [0-1'] [1-2']
BAP Equiv 0.0085 0.041 U

X7-SB265 [0-1'] [1-2']
BAP Equiv 0.018 0.0058

X7-SB249 [0-1'] [1-2']
BAP Equiv 0.013 0.027

X7-SB071 [0-2']
BAP Equiv 0.021

X7-SB266 [0-1'] [1-2']
BAP Equiv 0.014 0.043

X7-SB250 [0-1'] [1-2']
BAP Equiv 0.0089 0.13

X7-SB267 [0-1'] [1-2']
BAP Equiv 0.014 0.022

X7-SB251 [0-1'] [1-2']
BAP Equiv 0.019 0.02

X7-SB252 [0-1'] [1-2']
BAP Equiv 0.012 0.036

Legend

- Sample from 0-2 foot depth bgs
- Sample from 0-1 foot depth bgs
- Sample from 1-2 foot depth bgs

Sampling Results (mg/kg)

- < 0.015
- 0.015 - 0.15
- 0.15 - 1.5
- > 1.5

- ▭ Suspected Area of Greatest Skeet Fragment Accumulation
- ▭ Trap Range Boundary
- ▭ 20' x 20' Grid



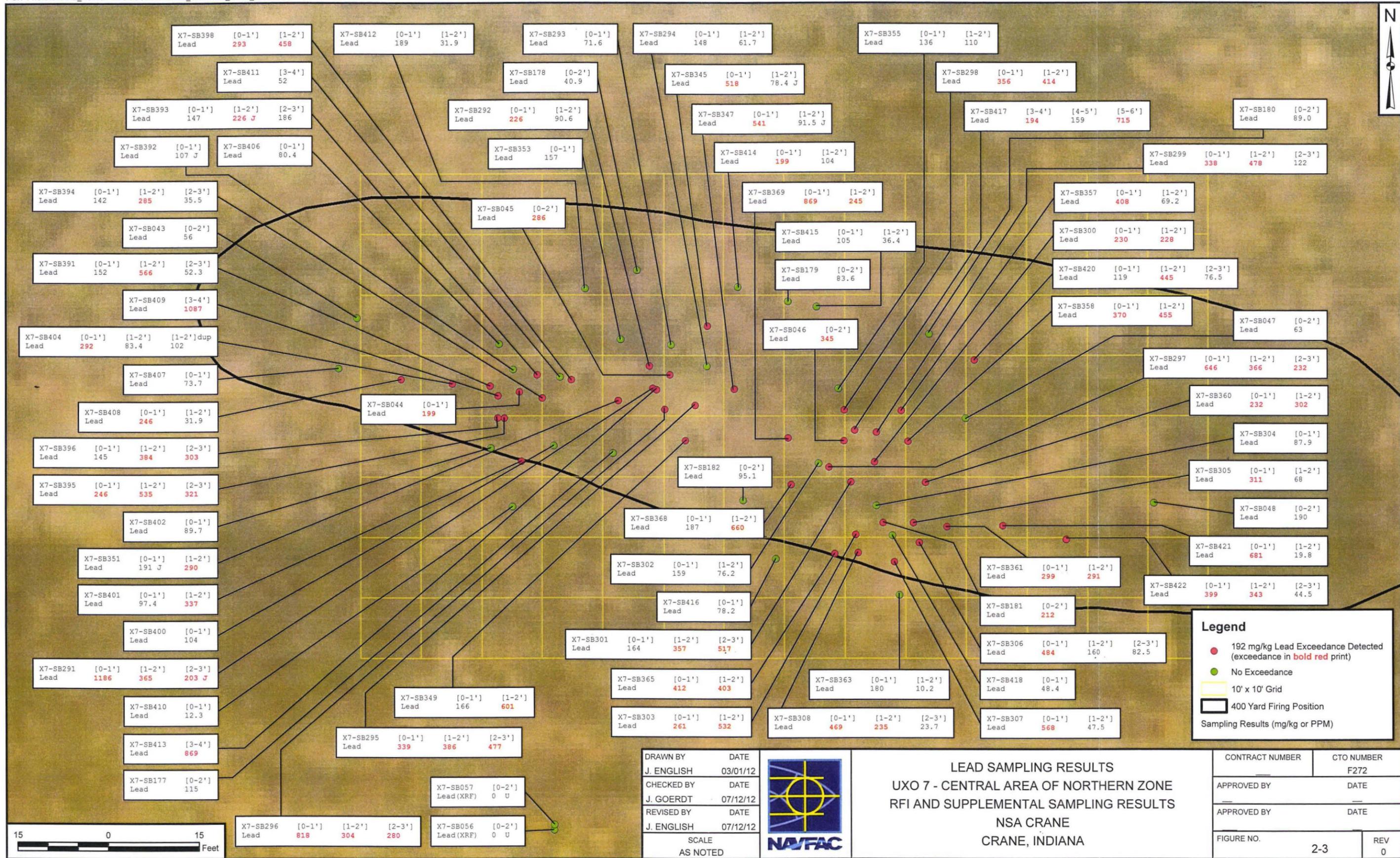
Notes:
1) BAP Equiv = Benzo(a)pyrene equivalent concentration (includes half-concentrations for non-detects).
2) U = non-detect.

DRAWN BY	DATE
J. ENGLISH	03/02/11
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R. BARRINGER	04/17/12
REVISED BY	DATE
J. NOVAK	04/17/12
SCALE	AS NOTED



**BAP EQUIVALENT SOIL SAMPLING RESULTS
UXO 7 - EAST TRAP RANGE
RFI AND SUPPLEMENTAL SAMPLING RESULTS
NSA CRANE
CRANE, INDIANA**

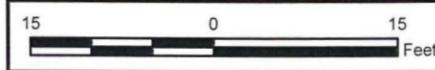
CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
2 - 2	0



Legend

- 192 mg/kg Lead Exceedance Detected (exceedance in **bold red print**)
- No Exceedance
- 10' x 10' Grid
- 400 Yard Firing Position

Sampling Results (mg/kg or PPM)

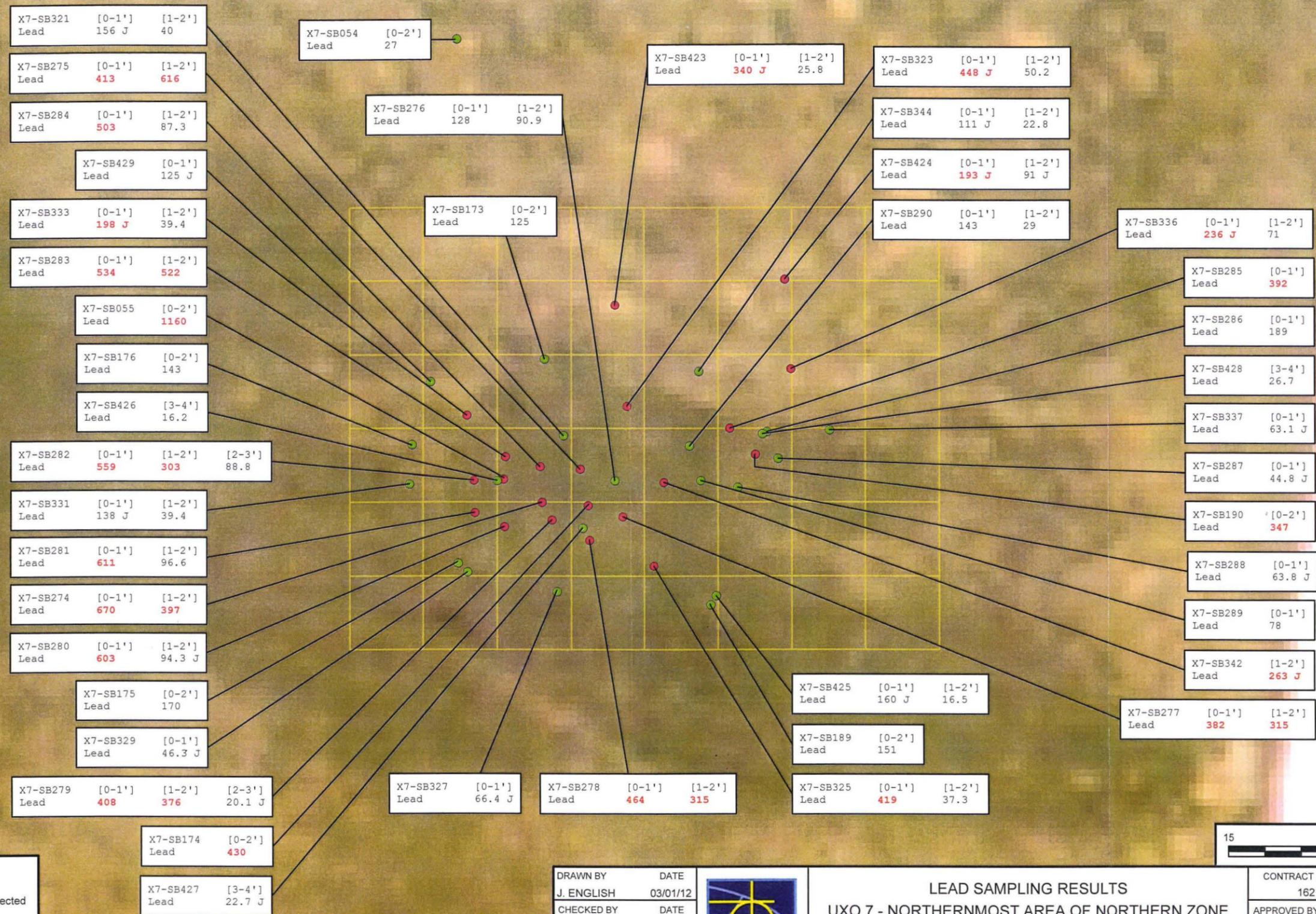


DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	



LEAD SAMPLING RESULTS
UXO 7 - CENTRAL AREA OF NORTHERN ZONE
RFI AND SUPPLEMENTAL SAMPLING RESULTS
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
2-3	0

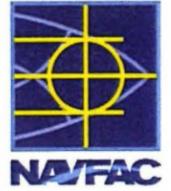


Legend

- 192 mg/kg Lead Exceedance Detected (exceedance in **bold red** print)
- No Exceedance
- 10' x 10' Grid

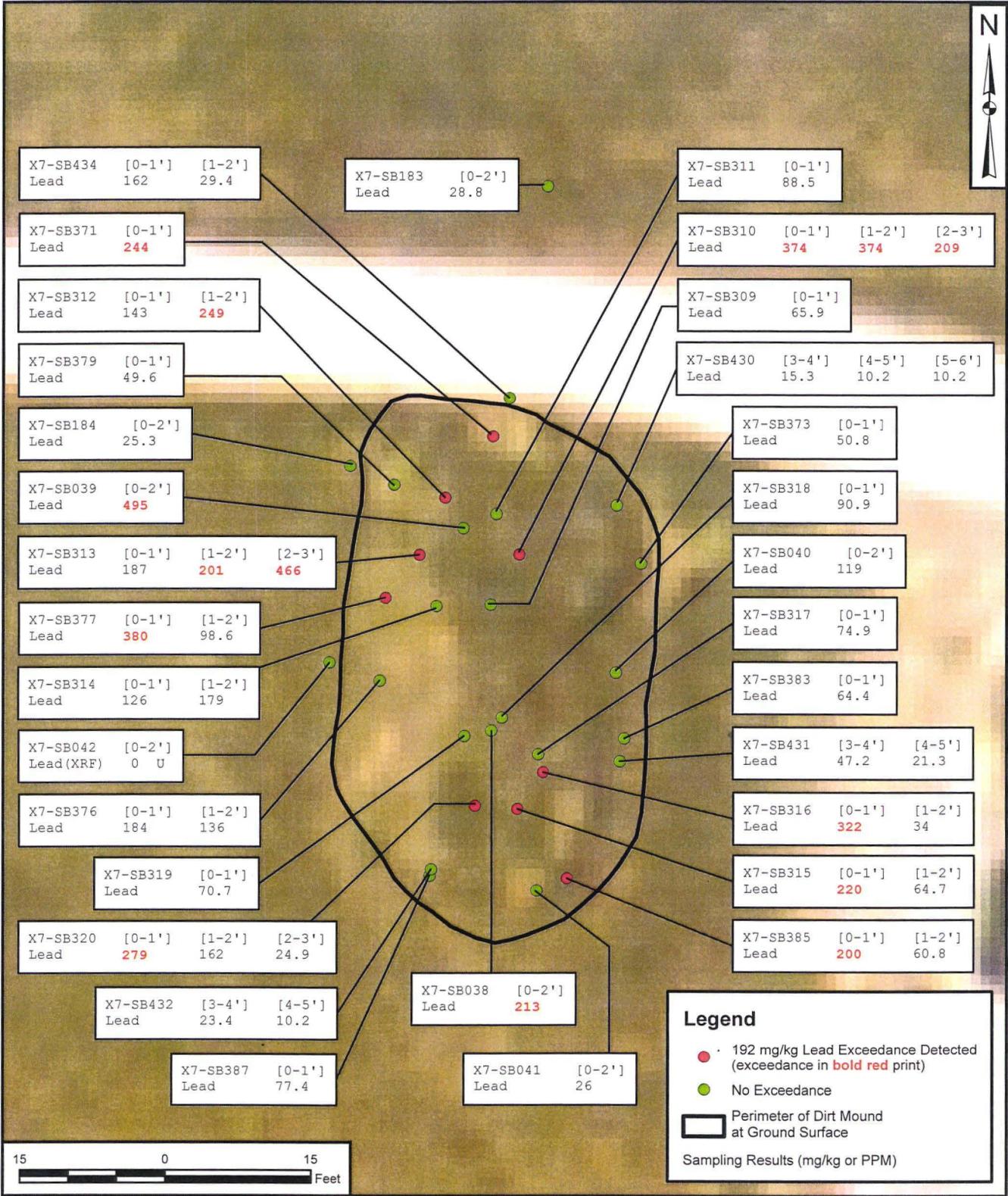
Sampling Results (mg/kg or PPM)

DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	AS NOTED



LEAD SAMPLING RESULTS
UXO 7 - NORTHERNMOST AREA OF NORTHERN ZONE
RFI AND SUPPLEMENTAL SAMPLING RESULTS
NSA CRANE
CRANE, INDIANA

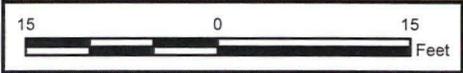
CONTRACT NUMBER	CTO NUMBER
1621	
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
2-4	0



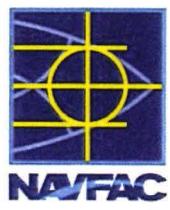
Legend

- 192 mg/kg Lead Exceedance Detected (exceedance in **bold red print**)
- No Exceedance
- Perimeter of Dirt Mound at Ground Surface

Sampling Results (mg/kg or PPM)



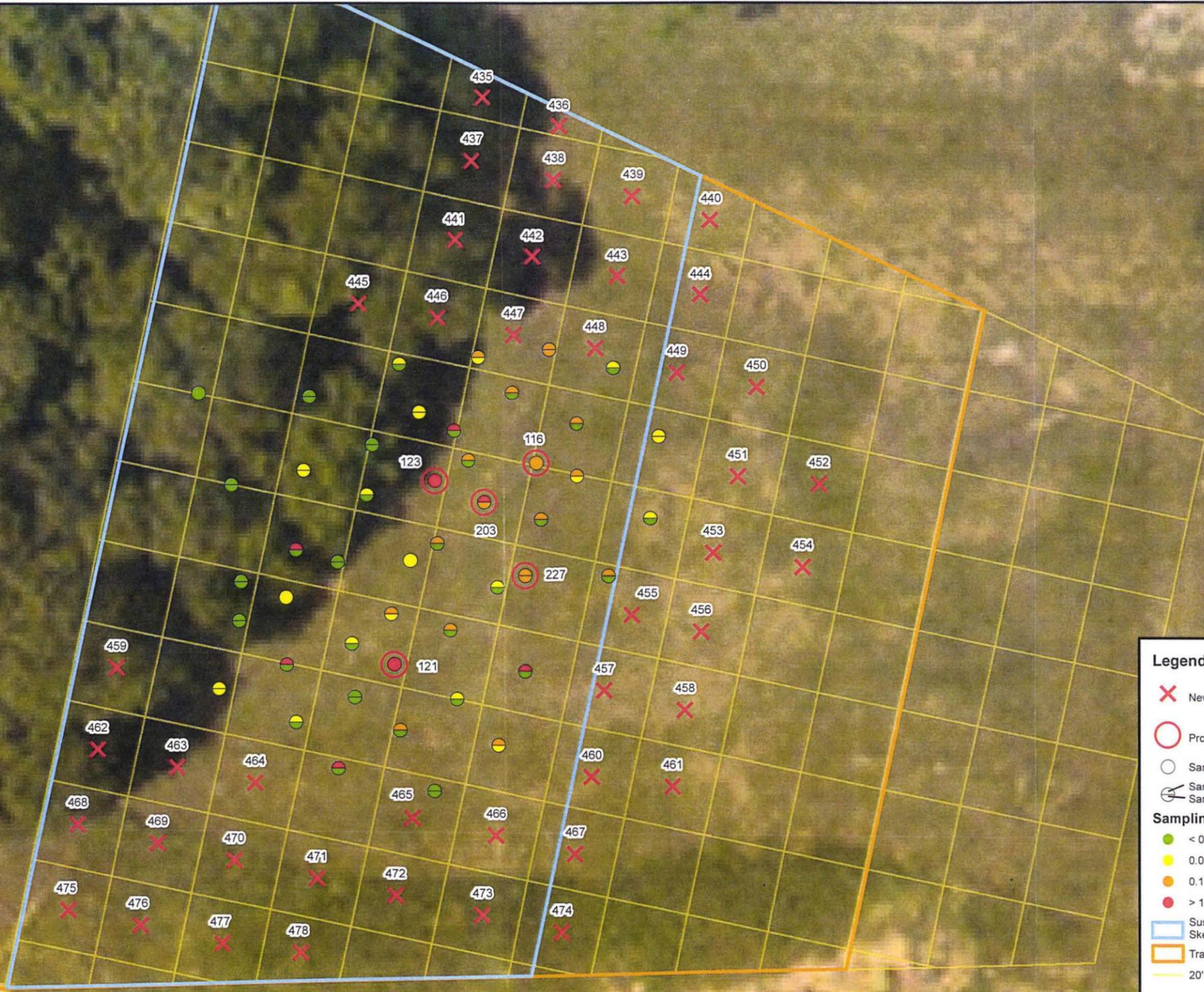
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE AS NOTED	



LEAD SAMPLING RESULTS
UXO 7 - SOUTHERNMOST AREA
OF NORTHERN ZONE
RFI AND SUPPLEMENTAL SAMPLING RESULTS
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
2-5	0

Aerial photograph taken in June of 2009.



Legend

- X New Soil Sample
- Proposed Deeper Soil Sample (down to 4 ft bgs)
- Sample from 0-2 foot depth bgs
- Sample from 0-1 foot depth bgs
- Sample from 1-2 foot depth bgs

Sampling Results (mg/kg)

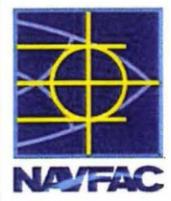
- < 0.015
- 0.015 - 0.15
- 0.15 - 1.5
- > 1.5

- Suspected Area of Greatest Skeet Fragment Accumulation
- Trap Range Boundary
- 20' x 20' Grid



Notes:
 1) BAP Equiv = Benzo(a)pyrene equivalent concentration (includes half-concentrations for non-detects).

DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE AS NOTED	



**PROPOSED BAP EQUIVALENT SOIL SAMPLING
 UXO 7 - WEST TRAP RANGE
 NSA CRANE
 CRANE, INDIANA**

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
3-1	0



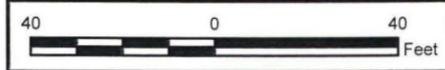
Legend

- ✕ New Soil Sample
- Proposed Deeper Soil Sample (down to 4ft bgs)
- Sample from 0-2 foot depth bgs
- Sample from 0-1 foot depth bgs
- Sample from 1-2 foot depth bgs

Sampling Results (mg/kg)

- < 0.015
- 0.015 - 0.15
- 0.15 - 1.5
- > 1.5

- ▭ Suspected Area of Greatest Skeet Fragment Accumulation
- ▭ Trap Range Boundary
- ▭ 20' x 20' Grid



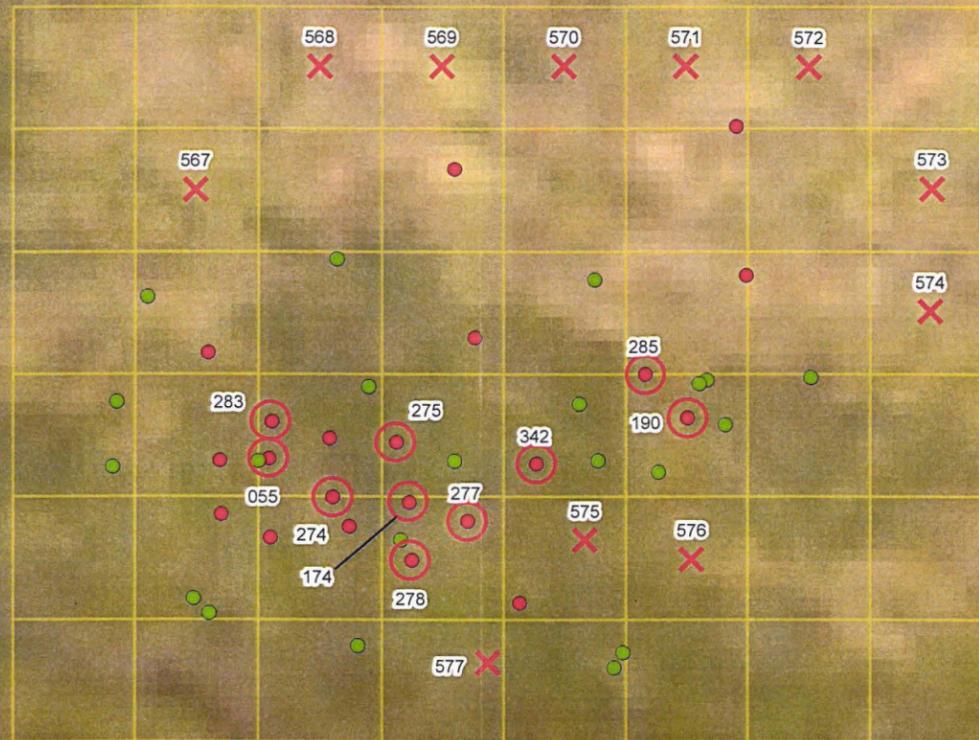
Notes:
 1) BAP Equiv = Benzo(a)pyrene equivalent concentration (includes half-concentrations for non-detects).

DRAWN BY	DATE
J. ENGLISH	03/02/11
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE AS NOTED	



PROPOSED BAP EQUIVALENT SOIL SAMPLING
 UXO 7 - EAST TRAP RANGE
 NSA CRANE
 CRANE, INDIANA

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
3-2	0

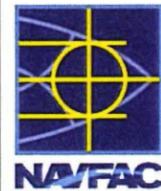


Legend

- X New Soil Sample
- Proposed Deeper Soil Sample
- 192 mg/kg Lead Exceedance Detected
- No Exceedance
- 10' x 10' Grid



DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE AS NOTED	



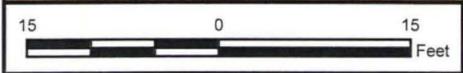
PROPOSED LEAD SOIL SAMPLING
UXO 7 - NORTHERNMOST AREA OF NORTHERN ZONE
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER 1621	CTO NUMBER _____
APPROVED BY _____	DATE ____
APPROVED BY _____	DATE ____
FIGURE NO. 3-4	REV 0

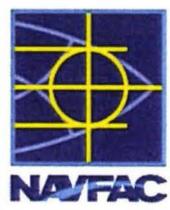


Legend

- X New Soil Sample
- Proposed Deeper Soil Sample
- 192 mg/kg Lead Exceedance Detected
- No Exceedance
- Perimeter of Dirt Mound at Ground Surface



DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE AS NOTED	



PROPOSED LEAD SOIL SAMPLING
UXO 7 - SOUTHERNMOST AREA
OF NORTHERN ZONE
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	CTO NUMBER
	F272
APPROVED BY	DATE
APPROVED BY	DATE
FIGURE NO.	REV
3-5	0

**APPENDICES A, B, and C
ARE LOCATED ON ENCLOSED CD**