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RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATION SUPPLEMENTAL SAMPLING ROUND 2 UNEXPLODED ORDNANCE 7 (UXO 7) SMALL ARMS RANGE NSA CRANE IN
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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

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TECHNICAL MEMORANDUM

DATE: August 17, 2012

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Project File – CTO F272

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

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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

The additional Round 2 soil samples will be collected utilizing the SOPs and QA procedures outlined in the Supplemental Sampling Activities at UXO 7 Ranges approved October 21, 2011.

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-feet 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 two upper intervals will be analyzed by XRF. *If neither of the **two uppermost** soil samples evaluated by XRF indicates soil-lead concentrations greater than 125 ppm, then the deeper collected samples will not require analysis by XRF.* 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. 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..
  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-feet bgs or 3 to 4-feet 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 two upper intervals will be analyzed by XRF. *If neither of the **two uppermost** soil samples evaluated by XRF indicates soil-lead concentrations greater than 125 ppm, then the deeper collected samples will not require analysis by XRF*. 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. 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.
  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-feet 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 two upper intervals will be analyzed by XRF. *If neither of the **two uppermost** soil samples evaluated by XRF indicates soil-lead concentrations greater than 125 ppm, then the deeper collected samples will not require analysis by XRF.* 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. 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.
  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
	X7-SB552-0304	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-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
	X7-SB560-0203	1[4]	TBD
	X7-SB560-0304	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-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
X7-SB190	X7-SB190-0203	1	TBD
	X7-SB190-0304	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-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
	X7-SB570-0304	1[4]	TBD
X7-SB571	X7-SB571-0001	1	TBD
	X7-SB571-0102	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-SB571	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
	X7-SB038-0304	1[4]	TBD
X7-SB039	X7-SB039-0203	1	TBD
	X7-SB039-0304	1[4]	TBD

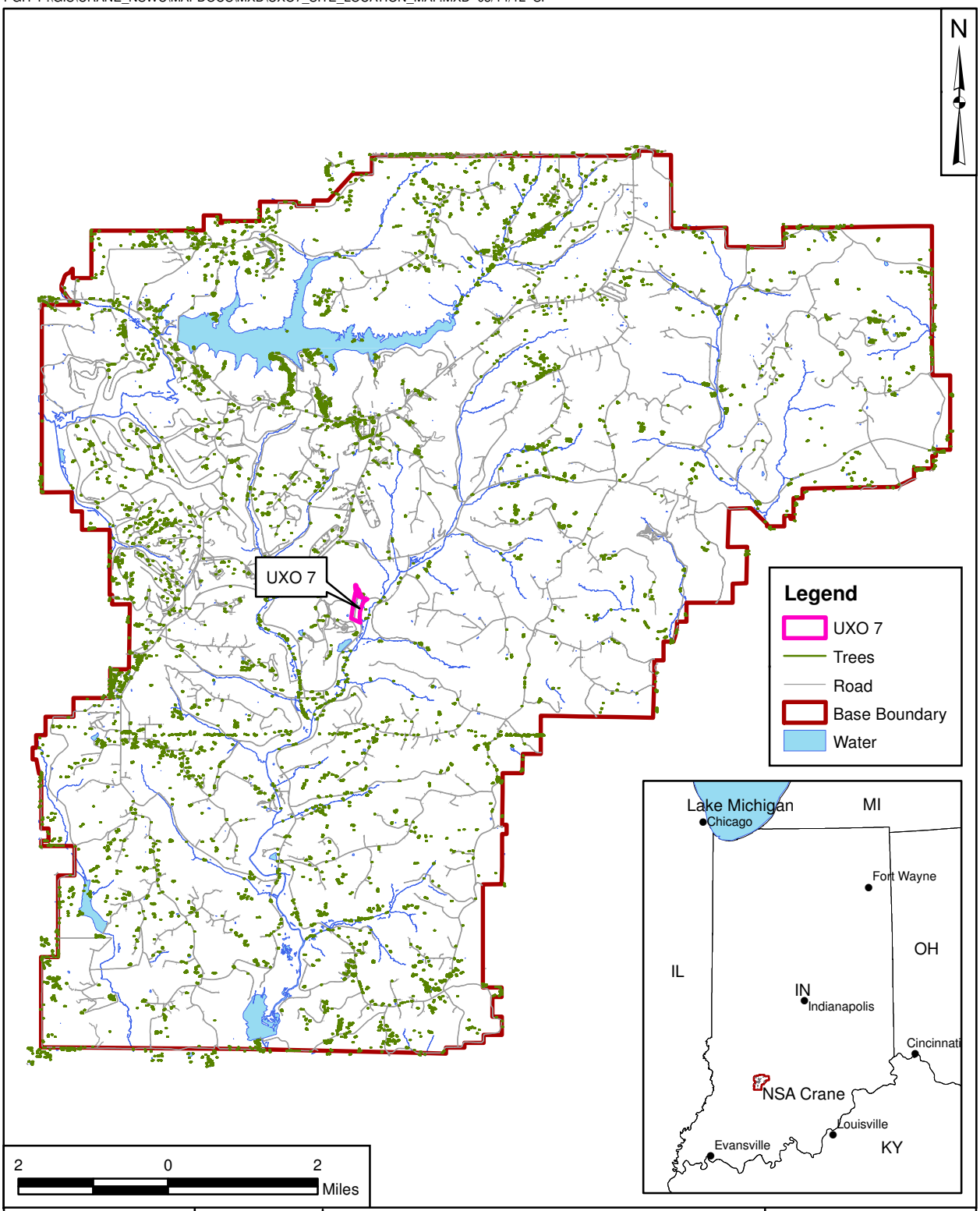
TABLE 3-2

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-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 **two uppermost** sample intervals at a specific location exhibit XRF lead concentrations less than 125 ppm, then the collected lower sample intervals at that specific location will not undergo XRF analysis. Additionally, should an interior sample exhibit an XRF lead concentration less than 125 ppm, then any proposed associated exterior sample will not be analyzed. Should a proposed exterior sample location exhibit an XRF lead concentration greater than 125 ppm, additional step-out samples will be collected..

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_SITE_LOCATION_MAP.MXD 03/14/12 SP



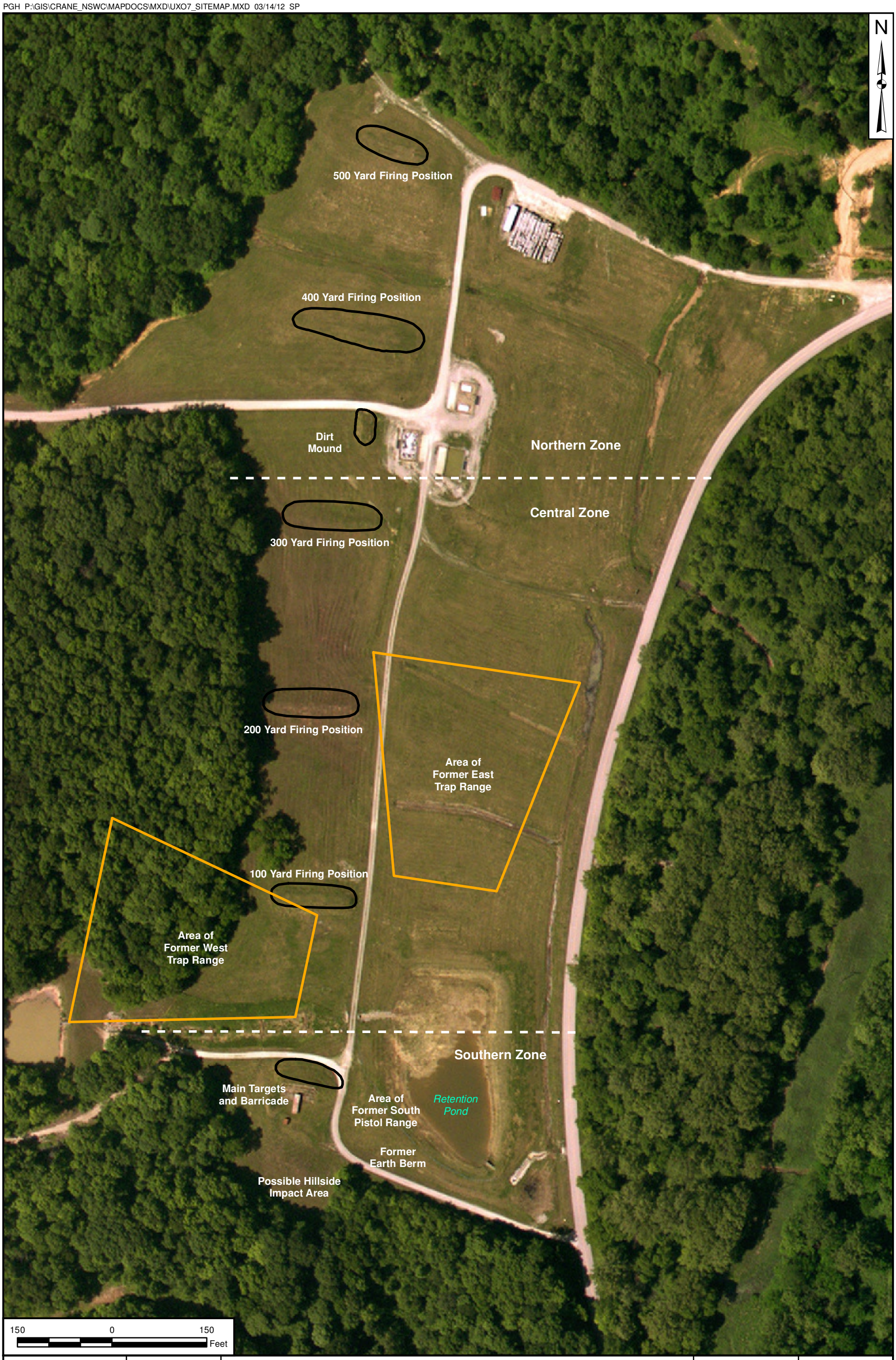
DRAWN BY	DATE
T. WHEATON	05/12/10
CHECKED BY	DATE
R. BARRINGER	03/14/12
REVISED BY	DATE
S. PAXTON	03/14/12
SCALE	
AS NOTED	

NAVFAC

UXO 7 SITE LOCATION MAP
NSA CRANE
CRANE, INDIANA

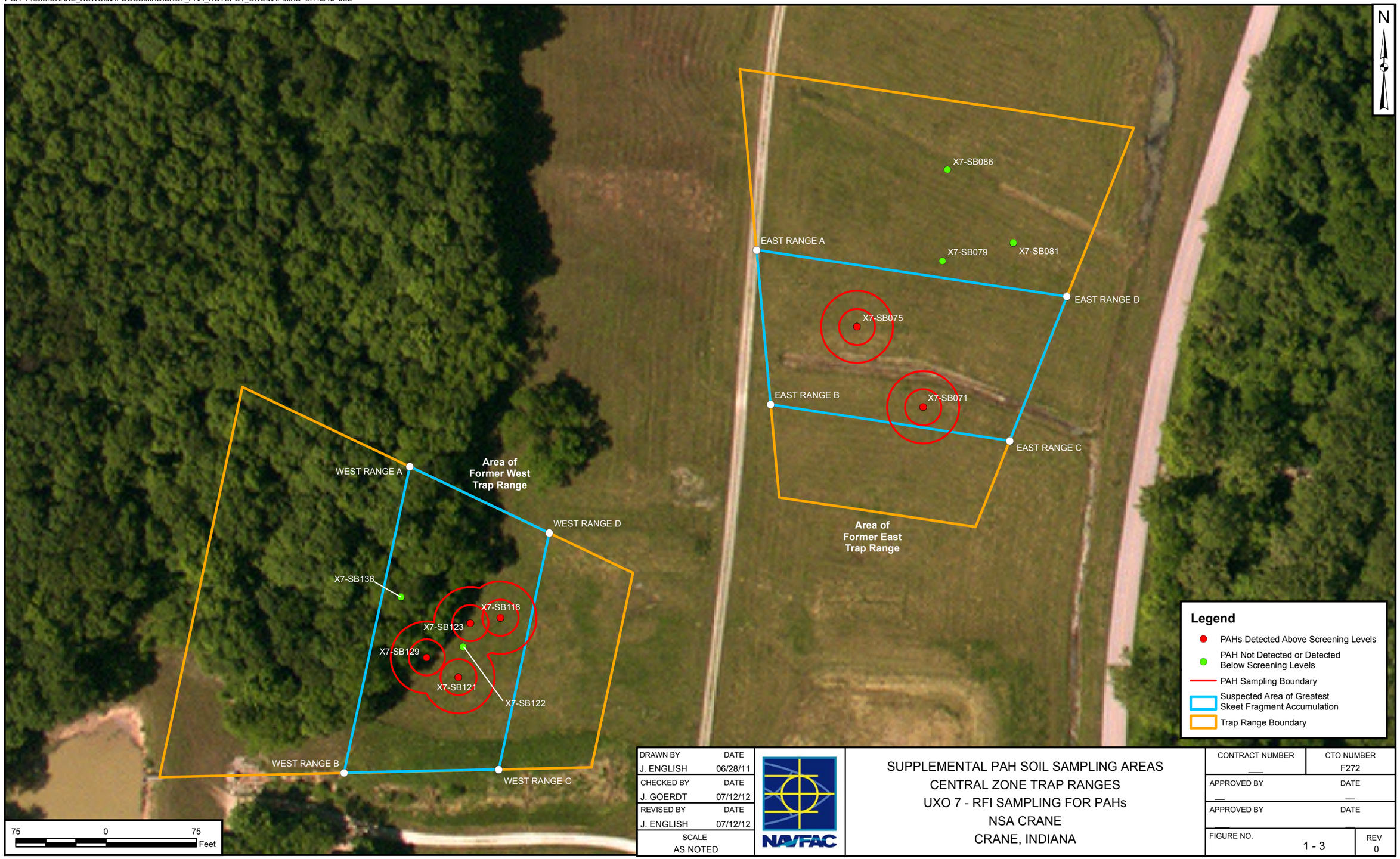
CONTRACT NUMBER	
CTO F272	
APPROVED BY	DATE
___	___
APPROVED BY	DATE
___	___
FIGURE NO. 1 - 1	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_SITEMAP.MXD 03/14/12 SP



DRAWN BY J. ENGLISH	DATE 07/07/11	UXO 7 SMALL ARMS RANGES NSA CRANE CRANE, INDIANA	CONTRACT NUMBER ___ / CTO NUMBER F272
CHECKED BY R. BARRINGER	DATE 03/14/12		APPROVED BY ___ / DATE ___
REVISED BY S. PAXTON	DATE 03/14/12		APPROVED BY ___ / DATE ___
SCALE AS NOTED			FIGURE NO. 1 - 2 / REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_PAH_HOTSPOT_SITEMAP.MXD 07/12/12 JEE



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	

NAVFAC

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. 1 - 3	REV 0

KoP P:\GIS\CRANE_NSWC\MAPDOCS\MXD\FIGURE 3 UXO 7.MXD 03/16/12 SP

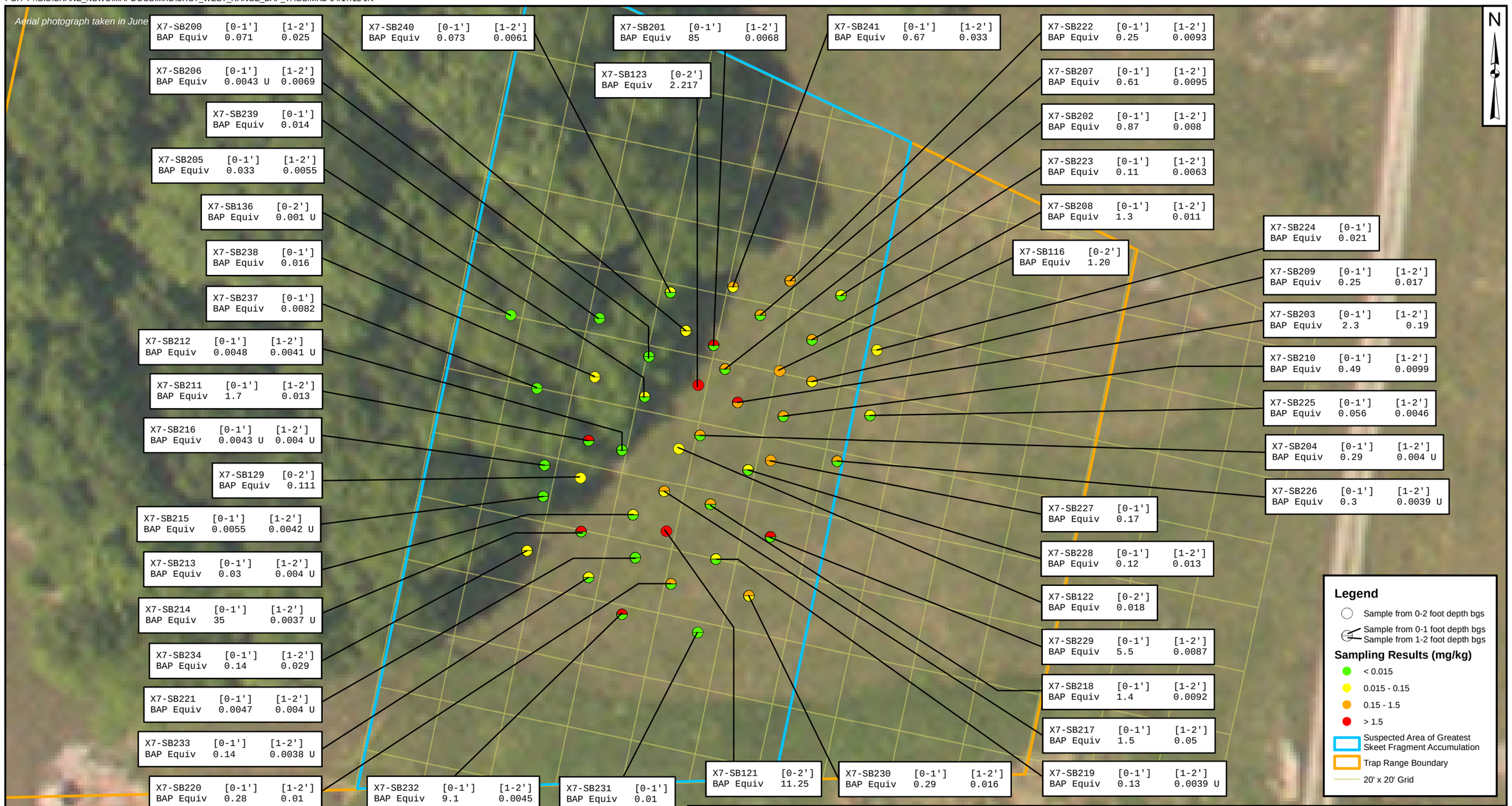
DRAWN BY	DATE
J. ENGLISH	07/05/11
CHECKED BY	DATE
R. BARRINGER	03/16/12
REVISED BY	DATE
S. PAXTON	03/16/12
SCALE	
AS NOTED	

NAVFAC

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

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

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_WEST_RANGE_BAP_TAGS.MXD 04/17/12 JN



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

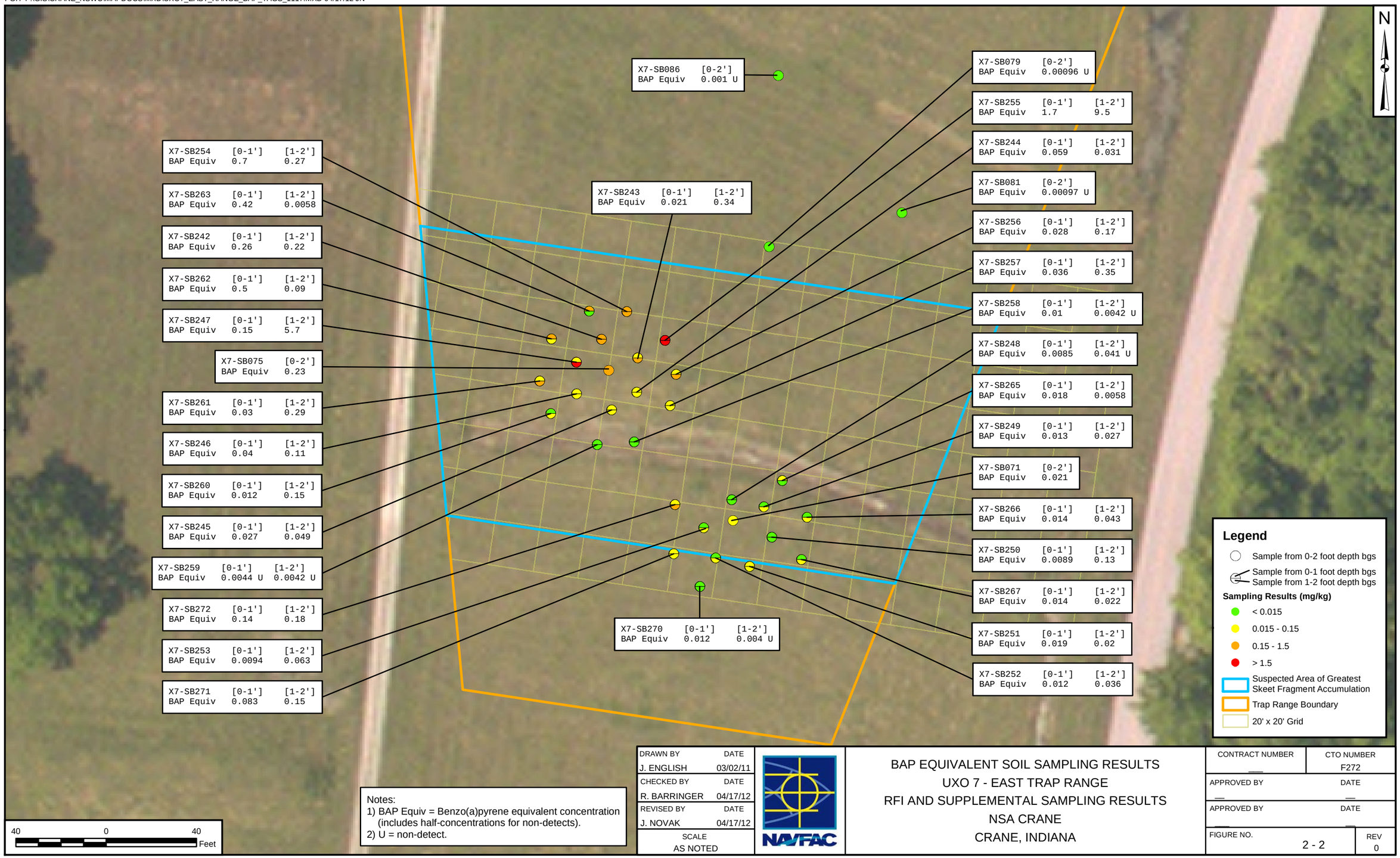
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
R. BARRINGER	04/17/12
REVISED BY	DATE
J. NOVAK	04/17/12
SCALE	
AS NOTED	

NAVFAC

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

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_EAST_RANGE_BAP_TAGS_1117.MXD 04/17/12 JN



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

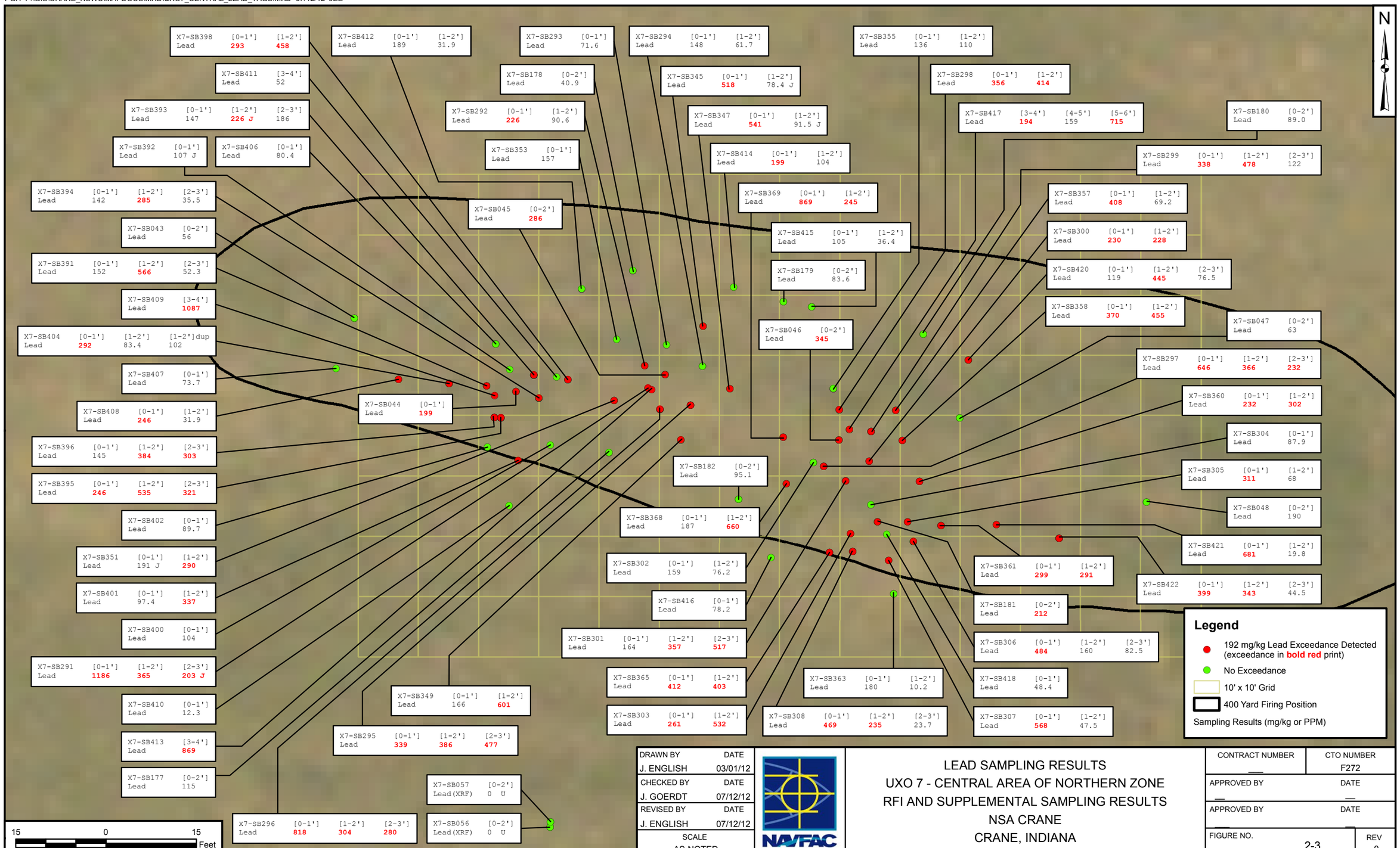
DRAWN BY	DATE
J. ENGLISH	03/02/11
CHECKED BY	DATE
R. BARRINGER	04/17/12
REVISED BY	DATE
J. NOVAK	04/17/12
SCALE	
AS NOTED	

NAVFAC

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. 2 - 2	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_CENTRAL_LEAD_TAGS.MXD 07/12/12 JEE



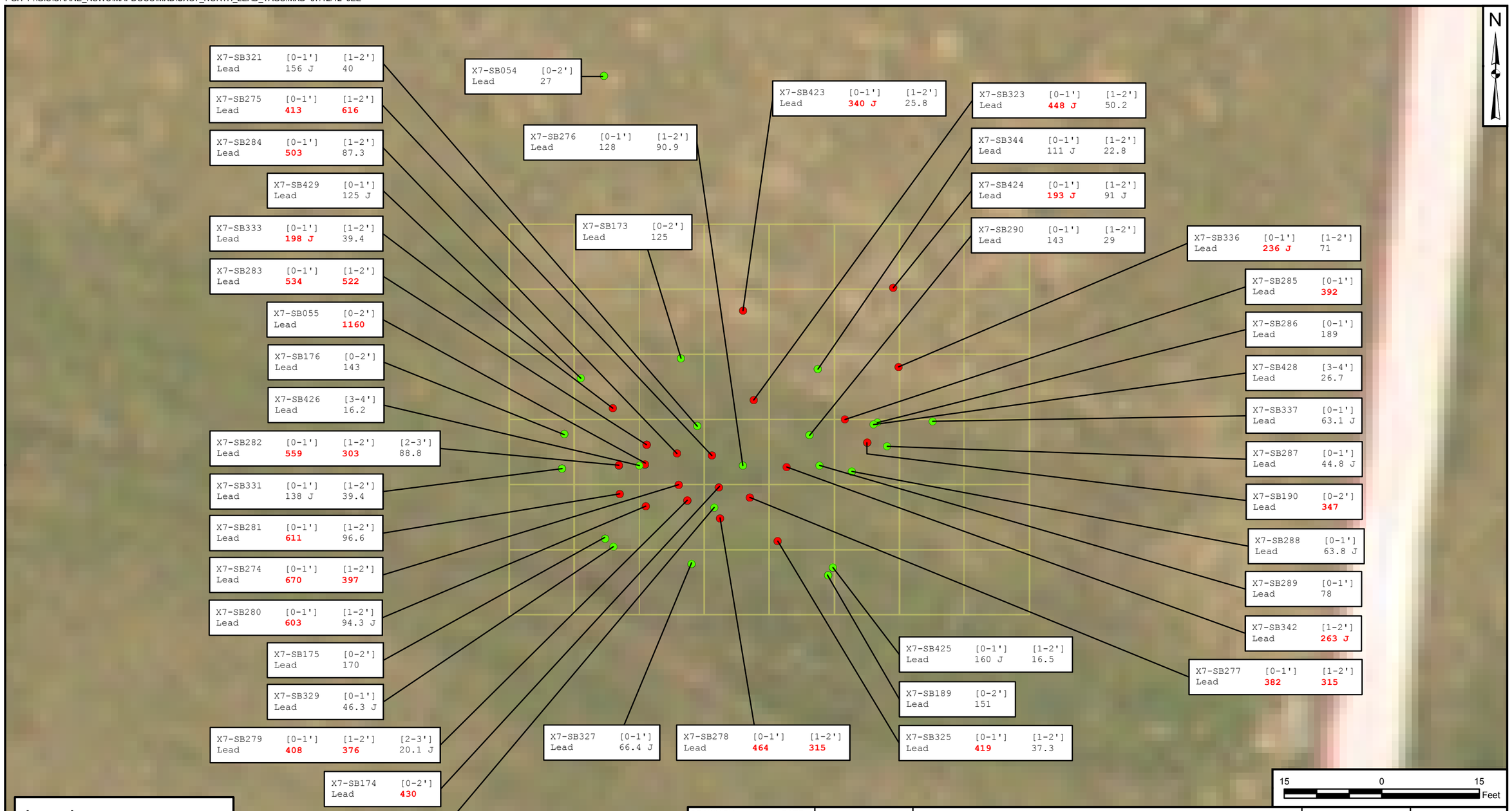
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	

NAVFAC

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. 2-3	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_NORTH_LEAD_TAGS.MXD 07/12/12 JEE



Legend

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

Sampling Results (mg/kg or PPM)

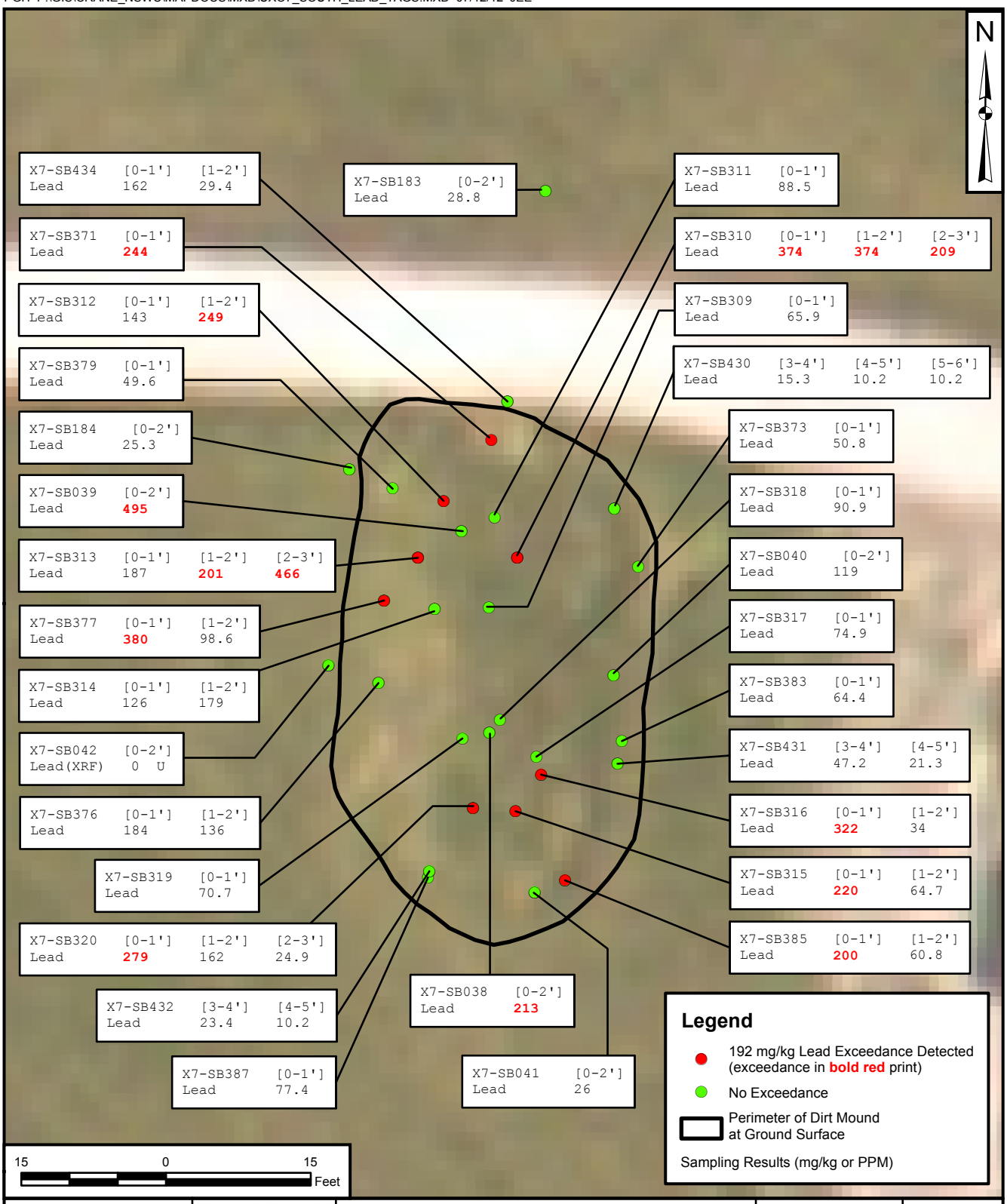
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	

NAVFAC

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

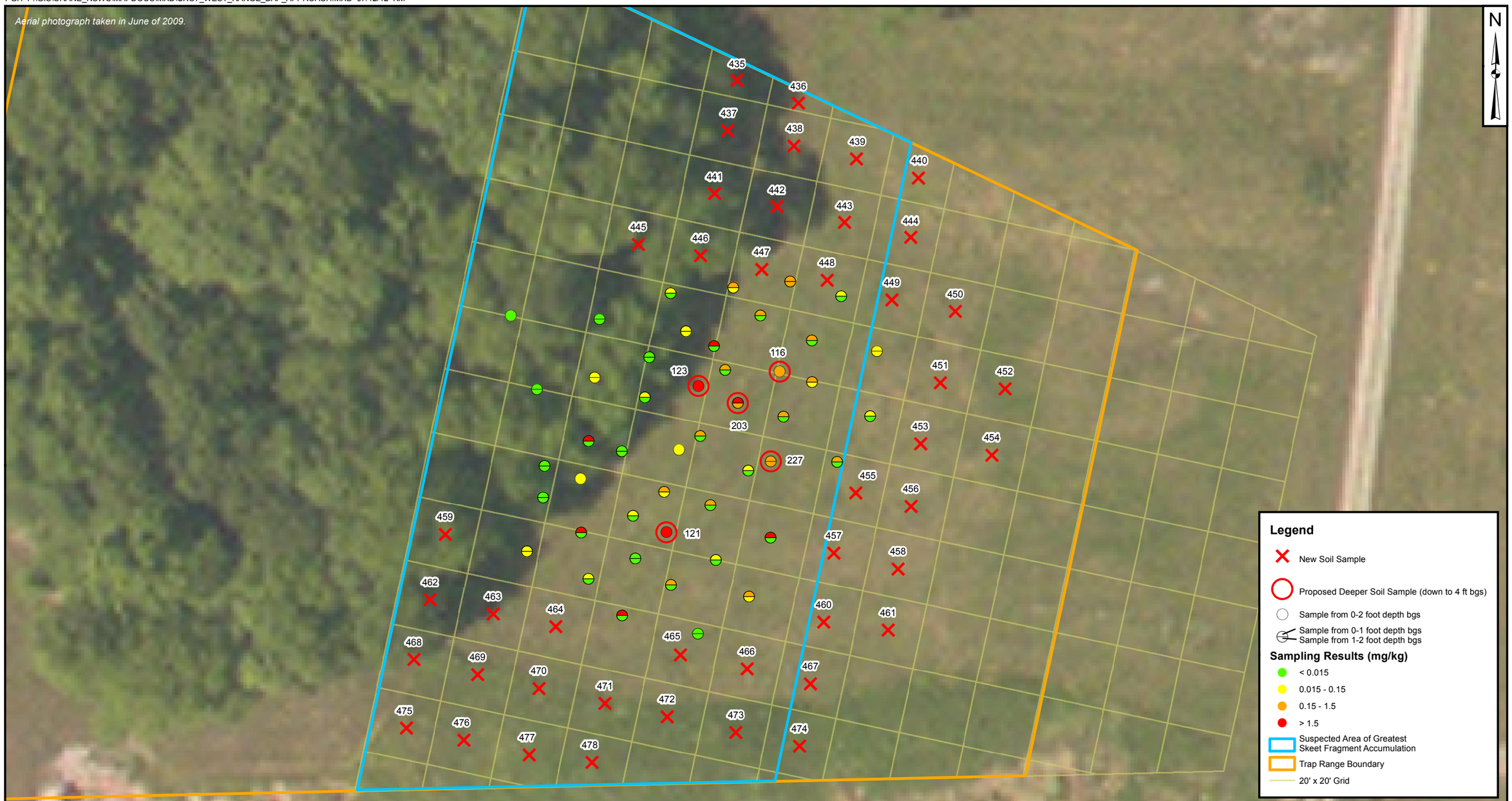
CONTRACT NUMBER	CTO NUMBER
1621	—
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
FIGURE NO. 2-4	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_SOUTH_LEAD_TAGS.MXD 07/12/12 JEE



DRAWN BY	DATE			CONTRACT NUMBER	CTO NUMBER
J. ENGLISH	03/01/12	NAVFAC	LEAD SAMPLING RESULTS UXO 7 - SOUTHERNMOST AREA OF NORTHERN ZONE RFI AND SUPPLEMENTAL SAMPLING RESULTS NSA CRANE CRANE, INDIANA	___	F272
CHECKED BY	DATE			APPROVED BY	DATE
J. GOERDT	07/12/12			___	___
REVISED BY	DATE			APPROVED BY	DATE
J. ENGLISH	07/12/12			___	___
SCALE AS NOTED				FIGURE NO. 2-5	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_WEST_RANGE_BAP_APPROACH.MXD 07/12/12 KM



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

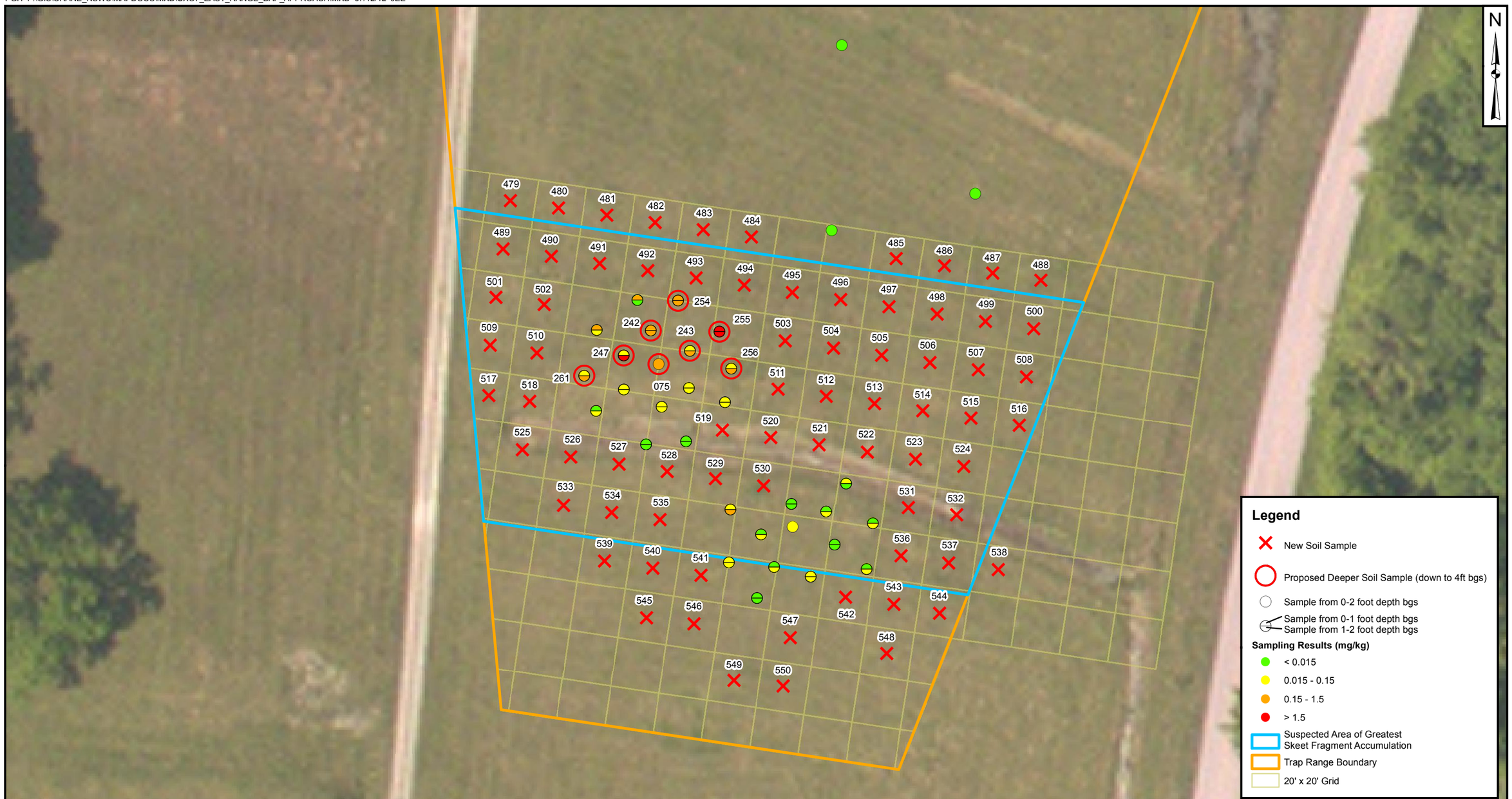
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	

NAVFAC

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. 3-1	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_EAST_RANGE_BAP_APPROACH.MXD 07/12/12 JEE



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

40 0 40 Feet

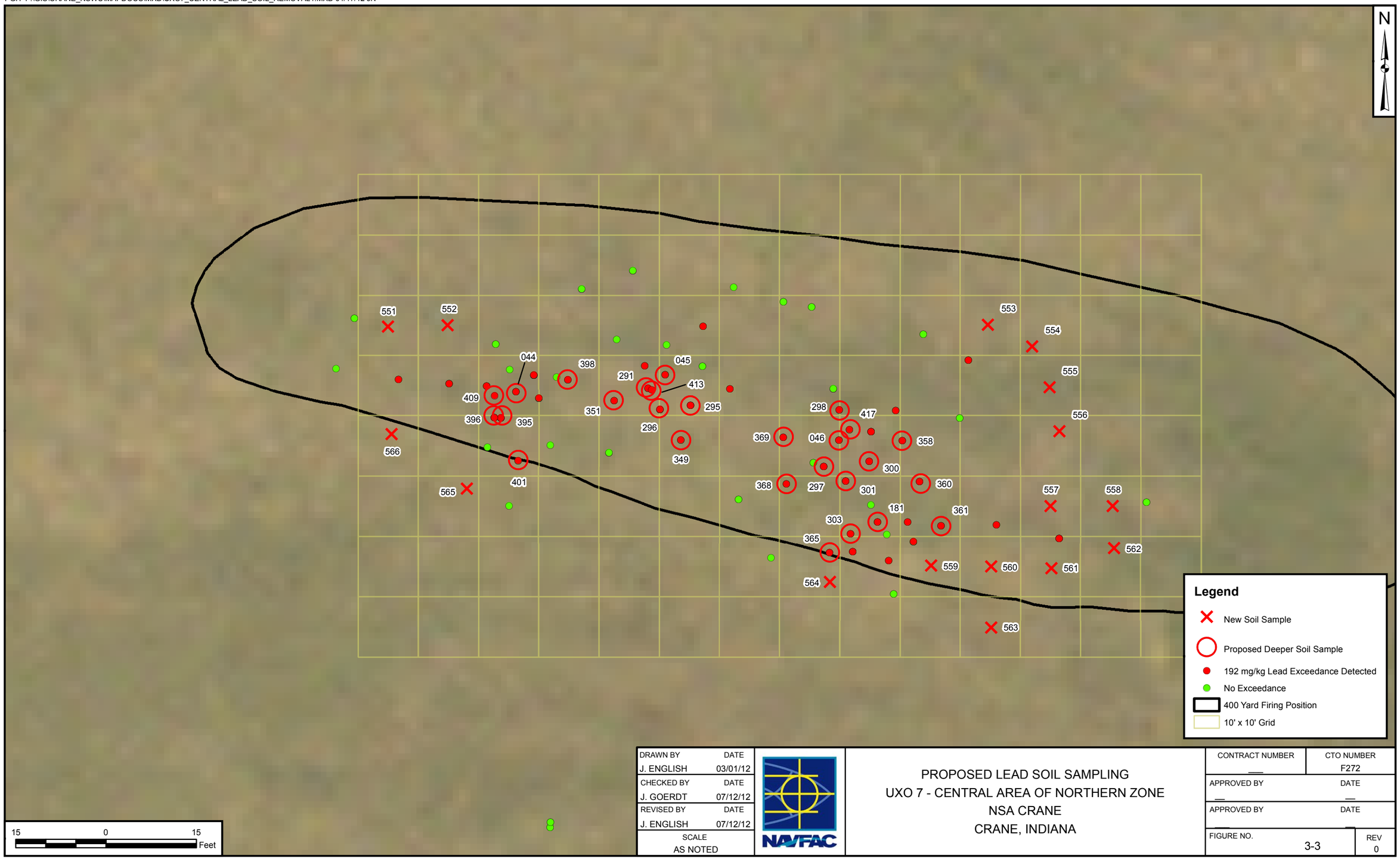
DRAWN BY	DATE
J. ENGLISH	03/02/11
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	

NAVFAC

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. 3-2	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_CENTRAL_LEAD_SOIL_REMOVAL1.MXD 04/17/12 JN



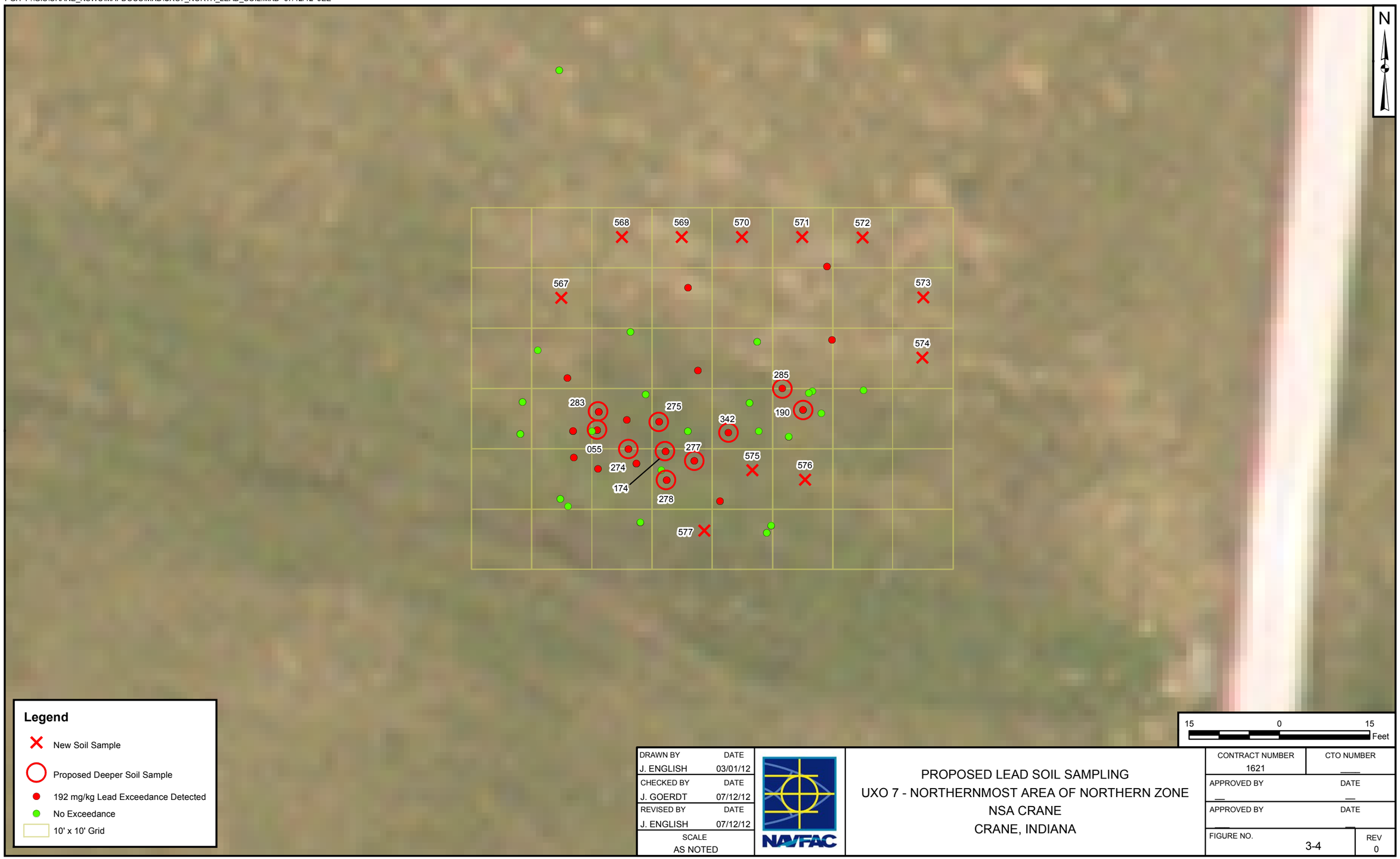
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	

NAVFAC

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

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

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_NORTH_LEAD_SOIL.MXD 07/12/12 JEE



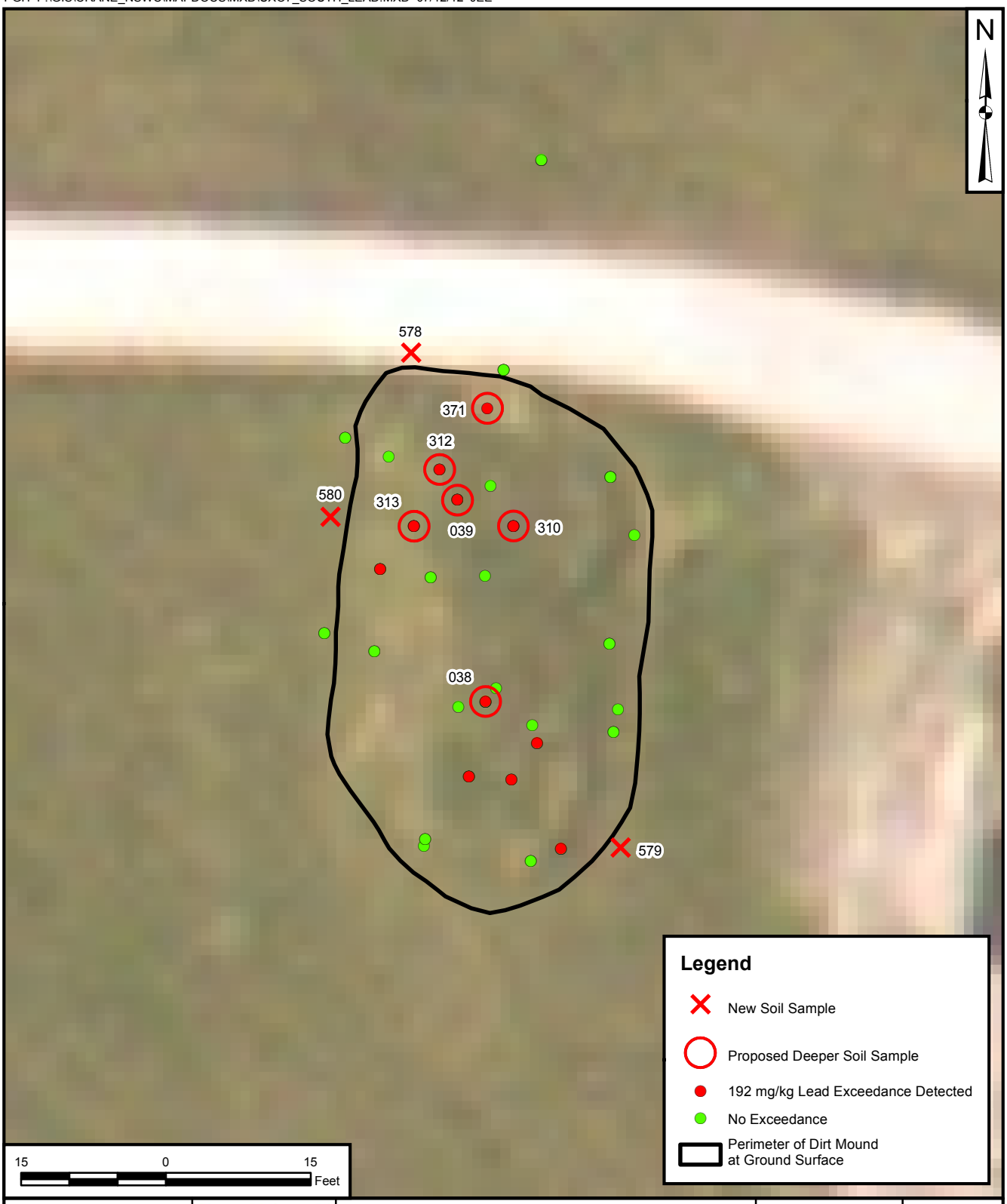
DRAWN BY	DATE
J. ENGLISH	03/01/12
CHECKED BY	DATE
J. GOERDT	07/12/12
REVISED BY	DATE
J. ENGLISH	07/12/12
SCALE	
AS NOTED	

NAVFAC

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

CONTRACT NUMBER	CTO NUMBER
1621	___
APPROVED BY	DATE
__	__
APPROVED BY	DATE
__	__
FIGURE NO. 3-4	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\UXO7_SOUTH_LEAD.MXD 07/12/12 JEE



DRAWN BY J. ENGLISH	DATE 03/01/12	PROPOSED LEAD SOIL SAMPLING UXO 7 - SOUTHERNMOST AREA OF NORTHERN ZONE NSA CRANE CRANE, INDIANA	CONTRACT NUMBER ___	CTO NUMBER F272
CHECKED BY J. GOERDT	DATE 07/12/12		APPROVED BY ___	DATE ___
REVISED BY J. ENGLISH	DATE 07/12/12		APPROVED BY ___	DATE ___
SCALE AS NOTED			FIGURE NO. 3-5	REV 0

APPENDIX A

VALIDATED ANALYTICAL RESULTS UXO 7 RFI SAMPLING (2007)/RFI SUPPLEMENTAL ROUND 1 (2011)

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB187	X7-SB188	X7-SB189	X7-SB190	X7-SB200	X7-SB200	X7-SB201	X7-SB201	X7-SB202	X7-SB202	X7-SB203	X7-SB203	X7-SB204	X7-SB204
SAMPLE ID	X7SS1870002	X7SS1880002	X7SS1890002	X7SS1900002	X7SS200-0001	X7SS200-0102	X7SS201-0001	X7SS201-0102	X7SS202-0001	X7SS202-0102	X7SS203-0001	X7SS203-0102	X7SS204-0001	X7SS204-0102
SAMPLE DATE	10/9/2007	10/9/2007	10/9/2007	10/9/2007	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011
METALS (MG/KG)														
ALUMINUM	--	--	10000	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	2.6 J	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	5.52	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	82.8	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	0.860	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	0.815	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	1130	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	16.7	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	13.3	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	46.3	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	23200	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	151	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	18	20	163	347	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	1020	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	665	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	19.6	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	660	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	0.383	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	0.126	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	64.7 U	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	0.128 U	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	25.6	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	61.8	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	--	--	--	--	0.00441 U	0.00478 U	0.318	0.0043 U	0.00261 J	0.00414 U	0.00839	0.00418 U	0.00393 U	0.004 U
2-METHYLNAPHTHALENE	--	--	--	--	0.00441 U	0.00478 U	0.362	0.0043 U	0.00284 J	0.00414 U	0.00969	0.00418 U	0.00393 U	0.004 U
ACENAPHTHENE	--	--	--	--	0.00224 J	0.00478 U	2.3	0.0043 U	0.0156	0.00414 U	0.0557	0.00584 J	0.00811	0.004 U
ACENAPHTHYLENE	--	--	--	--	0.00441 U	0.00478 U	0.0403 U	0.0043 U	0.00408 U	0.00414 U	0.00391 U	0.00418 U	0.00393 U	0.004 U
ANTHRACENE	--	--	--	--	0.003 J	0.00478 U	2.56	0.0043 U	0.0212	0.00414 U	0.0616	0.00653 J	0.0111	0.004 U
BAP EQUIVALENT-HALFND	--	--	--	--	0.0707296	0.0254277	85.2068	0.00679759	0.869733	0.00804713	2.33583	0.193952	0.285403	0.004 U
BAP EQUIVALENT-POS	--	--	--	--	0.0707296	0.0254277	85.2068	0.00462609	0.869733	0.00804713	2.33583	0.193952	0.285403	0.004 U
BENZO(A)ANTHRACENE	--	--	--	--	0.0325	0.00938 J	52.3	0.00285 J	0.474	0.0033 J	1.32	0.107	0.157 J	0.004 U
BENZO(A)PYRENE	--	--	--	--	0.0463	0.0163	56.6	0.00349 J	0.589	0.00414 J	1.54	0.127	0.187 J	0.004 U
BENZO(B)FLUORANTHENE	--	--	--	--	0.0627	0.0198	79.4	0.0047 J	0.733	0.00514 J	2.05	0.166	0.241 J	0.004 U
BENZO(G,H,I)PERYLENE	--	--	--	--	0.0536	0.0176	48.3	0.00357 J	0.531	0.00483 J	1.48	0.117	0.19 J	0.004 U
BENZO(K)FLUORANTHENE	--	--	--	--	0.0226	0.00776 J	23	0.0043 U	0.294	0.00294 J	0.707	0.0614	0.091 J	0.004 U
CHRYSENE	--	--	--	--	0.0436	0.0121	66.8	0.00309 J	0.593	0.00373 J	1.76	0.138	0.193 J	0.004 U
DIBENZO(A,H)ANTHRACENE	--	--	--	--	0.0102	0.00454 J	10.3	0.0043 U	0.105	0.00266 J	0.307	0.0272	0.0397	0.004 U
FLUORANTHENE	--	--	--	--	0.0467	0.0155	61.4	0.00395 J	0.584	0.00329 J	1.57	0.125	0.21 J	0.004 U
FLUORENE	--	--	--	--	0.00441 U	0.00478 U	1.24	0.0043 U	0.00408 U	0.00414 U	0.0288	0.00349 J	0.004 J	0.004 U
INDENO(1,2,3-CD)PYRENE	--	--	--	--	0.0444	0.0158	48.4	0.00378 J	0.515	0.0037 J	1.43	0.117	0.178 J	0.004 U
NAPHTHALENE	--	--	--	--	0.00441 U	0.00478 U	1.43	0.0043 U	0.00797 J	0.00414 U	0.0386	0.00698 J	0.00393 U	0.004 U
PHENANTHRENE	--	--	--	--	0.0166	0.0073 J	13.7	0.0027 J	0.122	0.00215 J	0.347	0.0354	0.0657 J	0.004 U
PYRENE	--	--	--	--	0.045	0.0147	62.6	0.00398 J	0.598	0.00317 J	1.6	0.128	0.211 J	0.004 U
XRF (MG/KG)														
LEAD	21	23.67	165.67	334.67	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB205	X7-SB205	X7-SB205	X7-SB206	X7-SB206	X7-SB207	X7-SB207	X7-SB208	X7-SB208	X7-SB209	X7-SB209	X7-SB210	X7-SB210	X7-SB211
SAMPLE ID	X7SS205-0001	X7SS205-0102	X7SS205-0102-D	X7SS206-0001	X7SS206-0102	X7SS207-0001	X7SS207-0102	X7SS208-0001	X7SS208-0102	X7SS209-0001	X7SS209-0102	X7SS210-0001	X7SS210-0102	X7SS211-0001
SAMPLE DATE	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.00237 J	0.00406 U	0.00517 J	0.00405 U	0.00413 U	0.00393 U	0.00211 J	0.00387 U	0.00718 J
2-METHYLNAPHTHALENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.00268 J	0.00406 U	0.00612 J	0.00405 U	0.00413 U	0.00393 U	0.0026 J	0.00387 U	0.00874
ACENAPHTHENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.0134	0.00406 U	0.0308	0.00405 U	0.00588 J	0.00393 U	0.00971	0.00387 U	0.0472
ACENAPHTHYLENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.00395 U	0.00406 U	0.00416 U	0.00405 U	0.00413 U	0.00393 U	0.00401 U	0.00387 U	0.00416 U
ANTHRACENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.0208	0.00406 U	0.0361	0.00405 U	0.00774 J	0.00393 U	0.0126	0.00387 U	0.0588
BAP EQUIVALENT-HALFND	0.033011	0.00549734	0.0041 U	0.00425 U	0.00687933	0.610751	0.00945462	1.313653	0.01112955	0.254496	0.0168599	0.486324	0.00987185	1.71729
BAP EQUIVALENT-POS	0.030891	0.00328844	0.0041 U	0.00425 U	0.00462703	0.610751	0.00742462	1.313653	0.00910455	0.254496	0.0168599	0.486324	0.00793685	1.71729
BENZO(A)ANTHRACENE	0.019	0.00398 U	0.0041 U	0.00425 U	0.00228 J	0.35	0.00412 J	0.695	0.00555 J	0.135	0.00781 J	0.287 J	0.00507 J	1.03
BENZO(A)PYRENE	0.0234	0.00265 J	0.0041 U	0.00425 U	0.00373 J	0.419	0.00585 J	0.873	0.00686 J	0.169	0.0108	0.324 J	0.00591 J	1.14
BENZO(B)FLUORANTHENE	0.0311	0.00349 J	0.0041 U	0.00425 U	0.00396 J	0.55	0.00655 J	1.24	0.0092	0.226	0.0139	0.442	0.00865	1.59
BENZO(G,H,I)PERYLENE	0.0251	0.00256 J	0.0041 U	0.00425 U	0.00348 J	0.344	0.0051 J	0.764	0.00668 J	0.161	0.00976	0.291 J	0.00638 J	1.02
BENZO(K)FLUORANTHENE	0.0117	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.22	0.00276 J	0.382	0.00371 J	0.0823	0.00591 J	0.157 J	0.00357 J	0.491
CHRYSENE	0.024	0.00244 J	0.0041 U	0.00425 U	0.00303 J	0.451	0.00502 J	0.933	0.00645 J	0.173	0.0108	0.354	0.00615 J	1.38
DIBENZO(A,H)ANTHRACENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.0658	0.00406 U	0.168	0.00405 U	0.0335	0.00286 J	0.0589	0.00387 U	0.209
FLUORANTHENE	0.0258	0.00304 J	0.0041 U	0.00425 U	0.00405 J	0.457	0.00692 J	0.886	0.00695 J	0.171	0.0103	0.342	0.0059 J	1.3
FLUORENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.00682 J	0.00406 U	0.0145	0.00405 U	0.00296 J	0.00393 U	0.00401 U	0.00387 U	0.0235
INDENO(1,2,3-CD)PYRENE	0.0234	0.00287 J	0.0041 U	0.00425 U	0.0027 J	0.333	0.00475 J	0.744	0.00726 J	0.149	0.00959	0.286 J	0.00613 J	1
NAPHTHALENE	0.00424 U	0.00398 U	0.0041 U	0.00425 U	0.00446 U	0.00727 J	0.00406 U	0.02	0.00405 U	0.00413 U	0.00393 U	0.00819	0.00387 U	0.0247
PHENANTHRENE	0.00904	0.00211 J	0.0041 U	0.00222 J	0.00297 J	0.122	0.00419 J	0.204	0.00273 J	0.0435	0.00351 J	0.0717	0.00201 J	0.337
PYRENE	0.0256	0.00289 J	0.0041 U	0.00425 U	0.00369 J	0.449	0.00651 J	0.907	0.00661 J	0.173	0.0103	0.348	0.00546 J	1.3
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB211	X7-SB212	X7-SB212	X7-SB213	X7-SB213	X7-SB214	X7-SB214	X7-SB215	X7-SB215	X7-SB215	X7-SB216	X7-SB216	X7-SB217	X7-SB217
SAMPLE ID	X7SS211-0102	X7SS212-0001	X7SS212-0102	X7SS213-0001	X7SS213-0102	X7SS214-0001	X7SS214-0102	X7SS215-0001	X7SS215-0102	X7SS215-0102-D	X7SS216-0001	X7SS216-0102	X7SS217-0001	X7SS217-0102
SAMPLE DATE	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.0777 J	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.00499 J	0.00406 U
2-METHYLNAPHTHALENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.102	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.00574 J	0.00406 U
ACENAPHTHENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.535	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.0326	0.00406 U
ACENAPHTHYLENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.0394 U	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.00402 U	0.00406 U
ANTHRACENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.719	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.0434	0.00208 J
BAP EQUIVALENT-HALFND	0.01332254	0.00480744	0.00407 U	0.0300218	0.00401 U	35.0757	0.00369 U	0.00552012	0.00417 U	0.0042 U	0.00429 U	0.00404 U	1.46853	0.0498275
BAP EQUIVALENT-POS	0.01332254	0.000501	0.00407 U	0.0300218	0.00401 U	35.0757	0.00369 U	0.00339912	0.00417 U	0.0042 U	0.00429 U	0.00404 U	1.46853	0.0498275
BENZO(A)ANTHRACENE	0.00672 J	0.00408 U	0.00407 U	0.0146	0.00401 U	24	0.00369 U	0.00288 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.907	0.028
BENZO(A)PYRENE	0.00795 J	0.00408 U	0.00407 U	0.0174	0.00401 U	23.5	0.00369 U	0.00258 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.968	0.0324
BENZO(B)FLUORANTHENE	0.0102	0.00271 J	0.00407 U	0.0248	0.00401 U	30.2	0.00369 U	0.00246 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	1.26	0.0444
BENZO(G,H,I)PERYLENE	0.0075 J	0.00286 J	0.00407 U	0.0191	0.00401 U	18.8	0.00369 U	0.00264 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.893	0.0322
BENZO(K)FLUORANTHENE	0.00397 J	0.00408 U	0.00407 U	0.00929	0.00401 U	12.8	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.513	0.0161
CHRYSENE	0.00784 J	0.00408 U	0.00407 U	0.0189	0.00401 U	27.7	0.00369 U	0.00212 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	1.2	0.0365
DIBENZO(A,H)ANTHRACENE	0.00298 J	0.00408 U	0.00407 U	0.00662 J	0.00401 U	4.08	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.191	0.00692 J
FLUORANTHENE	0.00839	0.00408 U	0.00407 U	0.0183	0.00401 U	23.2	0.00369 U	0.00268 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	1.07	0.0334
FLUORENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.303	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.0166	0.00406 U
INDENO(1,2,3-CD)PYRENE	0.00653 J	0.0023 J	0.00407 U	0.0195	0.00401 U	19.2	0.00369 U	0.00283 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.865	0.0307
NAPHTHALENE	0.00417 U	0.00408 U	0.00407 U	0.00408 U	0.00401 U	0.309	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.0204	0.00406 U
PHENANTHRENE	0.00341 J	0.00408 U	0.00407 U	0.00529 J	0.00401 U	3.73	0.00369 U	0.0042 U	0.00417 U	0.0042 U	0.00429 U	0.00404 U	0.239	0.00921
PYRENE	0.00807 J	0.00408 U	0.00407 U	0.0183	0.00401 U	24.2	0.00369 U	0.00259 J	0.00417 U	0.0042 U	0.00429 U	0.00404 U	1.09	0.0336
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB218	X7-SB218	X7-SB219	X7-SB219	X7-SB220	X7-SB220	X7-SB221	X7-SB221	X7-SB222	X7-SB222	X7-SB222	X7-SB223	X7-SB223	X7-SB224
SAMPLE ID	X7SS218-0001	X7SS218-0102	X7SS219-0001	X7SS219-0102	X7SS220-0001	X7SS220-0102	X7SS221-0001	X7SS221-0102	X7SS222-0001	X7SS222-0001-D	X7SS222-0102	X7SS223-0001	X7SS223-0102	X7SS224-0001
SAMPLE DATE	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00505 J	0.00398 U	0.004 U	0.00385 U	0.00409 U	0.00384 U	0.00395 U	0.00401 U	0.004 U	0.00384 U	0.004 U	0.00408 U	0.00393 U	0.00423 U
2-METHYLNAPHTHALENE	0.00605 J	0.00398 U	0.004 U	0.00385 U	0.00409 U	0.00384 U	0.00395 U	0.00401 U	0.004 U	0.00215 J	0.004 U	0.00213 J	0.00393 U	0.00423 U
ACENAPHTHENE	0.03	0.00398 U	0.00324 J	0.00385 U	0.00944	0.00384 U	0.00395 U	0.00401 U	0.00562 J	0.00864	0.004 U	0.00321 J	0.00393 U	0.00423 U
ACENAPHTHYLENE	0.00417 U	0.00398 U	0.004 U	0.00385 U	0.00409 U	0.00384 U	0.00395 U	0.00401 U	0.004 U	0.00384 U	0.004 U	0.00408 U	0.00393 U	0.00423 U
ANTHRACENE	0.0387	0.00398 U	0.00454 J	0.00385 U	0.015	0.00384 U	0.00395 U	0.00401 U	0.00873	0.0121	0.004 U	0.00438 J	0.00393 U	0.00423 U
BAP EQUIVALENT-HALFND	1.44773	0.00922198	0.1289741	0.00385 U	0.284408	0.01000452	0.004702725	0.00401 U	0.246147	0.363305	0.0093202	0.1068119	0.006265615	0.0210992
BAP EQUIVALENT-POS	1.44773	0.00723198	0.1289741	0.00385 U	0.284408	0.0078906	0.000336	0.00401 U	0.246147	0.363305	0.0069182	0.1068119	0.003886	0.0189842
BENZO(A)ANTHRACENE	0.862	0.00428 J	0.0657	0.00385 U	0.157	0.00384 U	0.00395 U	0.00401 U	0.119 J	0.172	0.004 U	0.0498	0.00393 U	0.0105
BENZO(A)PYRENE	0.958	0.00562 J	0.0872	0.00385 U	0.19	0.00646 J	0.00395 U	0.00401 U	0.168 J	0.248	0.00617 J	0.072	0.00352 J	0.014
BENZO(B)FLUORANTHENE	1.36	0.0064 J	0.115	0.00385 U	0.237	0.00869	0.00336 J	0.00401 U	0.207 J	0.328	0.0071 J	0.0923	0.00366 J	0.0216
BENZO(G,H,I)PERYLENE	0.852	0.00572 J	0.0821	0.00385 U	0.186	0.006 J	0.00395 U	0.00401 U	0.155 J	0.229	0.00562 J	0.067	0.00393 U	0.0159
BENZO(K)FLUORANTHENE	0.406	0.00314 J	0.0492	0.00385 U	0.101	0.00346 J	0.00395 U	0.00401 U	0.0796 J	0.118	0.00382 J	0.0308	0.00393 U	0.00699 J
CHRYSENE	1.17	0.00558 J	0.0921	0.00385 U	0.198	0.00384 U	0.00395 U	0.00401 U	0.151 J	0.225	0.004 U	0.0639	0.00393 U	0.0143
DIBENZO(A,H)ANTHRACENE	0.178	0.00398 U	0.0151	0.00385 U	0.0364	0.00384 U	0.00395 U	0.00401 U	0.0294	0.0418	0.004 U	0.0139	0.00393 U	0.00423 U
FLUORANTHENE	1	0.00604 J	0.0927	0.00385 U	0.247	0.00587 J	0.00256 J	0.00401 U	0.164 J	0.253	0.00683 J	0.0816	0.00326 J	0.0184
FLUORENE	0.0151	0.00398 U	0.004 U	0.00385 U	0.00433 J	0.00384 U	0.00395 U	0.00401 U	0.00296 J	0.00451 J	0.004 U	0.00408 U	0.00393 U	0.00423 U
INDENO(1,2,3-CD)PYRENE	0.843	0.00507 J	0.0802	0.00385 U	0.174	0.00527 J	0.00395 U	0.00401 U	0.152 J	0.221	0.004 U	0.0633	0.00393 U	0.0169
NAPHTHALENE	0.02	0.00398 U	0.004 U	0.00385 U	0.00409 U	0.00384 U	0.00395 U	0.00401 U	0.004 U	0.00384 U	0.004 U	0.00408 U	0.00393 U	0.00423 U
PHENANTHRENE	0.217	0.00289 J	0.0248	0.00385 U	0.0848	0.00228 J	0.00395 U	0.00401 U	0.0484	0.0664	0.00402 J	0.0277	0.00257 J	0.00895
PYRENE	1.03	0.00551 J	0.0926	0.00385 U	0.241	0.00596 J	0.00269 J	0.00401 U	0.156 J	0.249	0.00655 J	0.0788	0.00311 J	0.0172
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB225	X7-SB225	X7-SB226	X7-SB226	X7-SB227	X7-SB228	X7-SB228	X7-SB229	X7-SB229	X7-SB230	X7-SB230	X7-SB231	X7-SB232	X7-SB232
SAMPLE ID	X7SS225-0001	X7SS225-0102	X7SS226-0001	X7SS226-0102	X7SS227-0001	X7SS228-0001	X7SS228-0102	X7SS229-0001	X7SS229-0102	X7SS230-0001	X7SS230-0102	X7SS231-0001	X7SS232-0001	X7SS232-0102
SAMPLE DATE	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00369 U	0.00384 U	0.00395 U	0.00393 U	0.00406 U	0.00412 U	0.00389 U	0.0259 J	0.00405 U	0.00413 U	0.00392 U	0.00389 U	0.0968	0.00384 U
2-METHYLNAPHTHALENE	0.00369 U	0.00384 U	0.00395 U	0.00393 U	0.00406 U	0.00412 U	0.00389 U	0.0294 J	0.00405 U	0.00413 U	0.00392 U	0.00389 U	0.139	0.00384 U
ACENAPHTHENE	0.00232 J	0.00384 U	0.00451 J	0.00393 U	0.00432 J	0.00262 J	0.00389 U	0.141	0.00405 U	0.00805 J	0.00392 U	0.00389 U	1.18	0.00384 U
ACENAPHTHYLENE	0.00369 U	0.00384 U	0.00395 U	0.00393 U	0.00406 U	0.00412 U	0.00389 U	0.039 U	0.00405 U	0.00413 U	0.00392 U	0.00389 U	0.041 U	0.00384 U
ANTHRACENE	0.00194 J	0.00384 U	0.00613 J	0.00393 U	0.00545 J	0.00363 J	0.00389 U	0.147	0.00405 U	0.00946	0.00392 U	0.00389 U	3.33	0.00384 U
BAP EQUIVALENT-HALFND	0.0563147	0.00455182	0.296375	0.00393 U	0.1679384	0.1188853	0.01292909	5.49382	0.00871382	0.292371	0.01612403	0.009980445	9.09369	0.00454212
BAP EQUIVALENT-POS	0.0544697	0.0005179	0.296375	0.00393 U	0.1679384	0.1188853	0.01292909	5.49382	0.00668882	0.292371	0.01612403	0.007839	9.09369	0.000681
BENZO(A)ANTHRACENE	0.0273	0.00384 U	0.136	0.00393 U	0.0735	0.0553	0.00583 J	2.79	0.00394 J	0.144	0.00755 J	0.00389 U	8.11	0.00193 J
BENZO(A)PYRENE	0.0423	0.00384 U	0.20	0.00393 U	0.111	0.079	0.00847	3.66	0.00513 J	0.193	0.0101	0.00649 J	5.93	0.00384 U
BENZO(B)FLUORANTHENE	0.0579	0.00295 J	0.252	0.00393 U	0.148	0.102	0.00992	4.79	0.00627 J	0.251	0.014	0.00759 J	7.62	0.00276 J
BENZO(G,H,I)PERYLENE	0.0377	0.00384 U	0.177	0.00393 U	0.113	0.0821	0.00842	3.54	0.00525 J	0.191	0.0121	0.00594 J	4.25	0.00235 J
BENZO(K)FLUORANTHENE	0.0183	0.00229 J	0.101	0.00393 U	0.0489	0.0355	0.00325 J	1.73	0.00243 J	0.0895	0.00502 J	0.003 J	3.22	0.00384 U
CHRYSENE	0.0367	0.00384 U	0.165	0.00393 U	0.0994	0.0703	0.00759 J	3.52	0.00452 J	0.176	0.00883	0.00389 U	7.49	0.00384 U
DIBENZO(A,H)ANTHRACENE	0.00369 U	0.00384 U	0.0391	0.00393 U	0.0238	0.0161	0.00211 J	0.729	0.00405 U	0.0405	0.00275 J	0.00389 U	1.08	0.00384 U
FLUORANTHENE	0.0425	0.00218 J	0.167	0.00393 U	0.111	0.0776	0.00827	3.57	0.00583 J	0.185	0.0101	0.00541 J	16.4	0.00208 J
FLUORENE	0.00369 U	0.00384 U	0.00395 U	0.00393 U	0.00246 J	0.00412 U	0.00389 U	0.0733 J	0.00405 U	0.00445 J	0.00392 U	0.00389 U	1.3	0.00384 U
INDENO(1,2,3-CD)PYRENE	0.0343	0.002 J	0.173	0.00393 U	0.104	0.0763	0.00734 J	3.26	0.00509 J	0.183	0.0106	0.0056 J	4.71	0.00212 J
NAPHTHALENE	0.00369 U	0.00384 U	0.00395 U	0.00393 U	0.00406 U	0.00412 U	0.00389 U	0.0949	0.00405 U	0.00413 U	0.00392 U	0.00389 U	0.313	0.00384 U
PHENANTHRENE	0.0132	0.00203 J	0.0311	0.00393 U	0.0322	0.02	0.00348 J	0.832	0.00317 J	0.0557	0.00402 J	0.00281 J	11.3	0.00384 U
PYRENE	0.0416	0.00225 J	0.169	0.00393 U	0.109	0.0767	0.00776 J	3.65	0.0052 J	0.183	0.01	0.00473 J	13.1	0.00197 J
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB233	X7-SB233	X7-SB234	X7-SB234	X7-SB237	X7-SB238	X7-SB239	X7-SB240	X7-SB240	X7-SB241	X7-SB241	X7-SB242	X7-SB242	X7-SB243
SAMPLE ID	X7SS233-0001	X7SS233-0102	X7SS234-0001	X7SS234-0102	X7SS237-0001	X7SS238-0001	X7SS239-0001	X7SS240-0001	X7SS240-0102	X7SS241-0001	X7SS241-0102	X7SS242-0001	X7SS242-0102	X7SS243-0001
SAMPLE DATE	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/10/2011	11/9/2011	11/9/2011	11/9/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00401 U	0.00384 U	0.0039 U	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00395 U	0.00381 U	0.00278 J	0.00405 U	0.00495 U	0.0038 U	0.00414 U
2-METHYLNAPHTHALENE	0.00401 U	0.00384 U	0.0039 U	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00395 U	0.00381 U	0.00338 J	0.00405 U	0.00495 U	0.0038 U	0.00414 U
ACENAPHTHENE	0.00318 J	0.00384 U	0.00447 J	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00251 J	0.00381 U	0.0137	0.00405 U	0.00389 J	0.00476 J	0.00414 U
ACENAPHTHYLENE	0.00401 U	0.00384 U	0.0039 U	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00395 U	0.00381 U	0.00388 U	0.00405 U	0.00495 U	0.0038 U	0.00414 U
ANTHRACENE	0.00433 J	0.00384 U	0.0069 J	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00386 J	0.00381 U	0.0203	0.00405 U	0.00643 J	0.00712 J	0.00414 U
BAP EQUIVALENT-HALFND	0.1361289	0.00384 U	0.1377372	0.0285492	0.00820309	0.01633047	0.01440258	0.0725538	0.00611772	0.666454	0.0327628	0.257016	0.216257	0.02104697
BAP EQUIVALENT-POS	0.1361289	0.00384 U	0.1377372	0.0265242	0.00577	0.01427547	0.01223258	0.0725538	0.00419367	0.666454	0.0327628	0.257016	0.216257	0.0208379
BENZO(A)ANTHRACENE	0.0683	0.00384 U	0.0763 J	0.0152	0.00438 U	0.00747 J	0.00671 J	0.0379	0.00221 J	0.342	0.0139	0.145	0.123	0.00414 U
BENZO(A)PYRENE	0.0901	0.00384 U	0.0914 J	0.0203	0.00467 J	0.0112	0.00939	0.0486	0.00323 J	0.444	0.0212	0.175	0.146	0.0135
BENZO(B)FLUORANTHENE	0.121	0.00384 U	0.124 J	0.0256	0.00644 J	0.0134	0.0123	0.0621	0.00427 J	0.624	0.0304	0.219	0.187	0.0201
BENZO(G,H,I)PERYLENE	0.0883	0.00384 U	0.0993 J	0.0224	0.00526 J	0.0105	0.0091	0.0492	0.00381 U	0.406	0.0196	0.145	0.13	0.0136
BENZO(K)FLUORANTHENE	0.0426	0.00384 U	0.0451 J	0.00955	0.00438 U	0.00565 J	0.00518 J	0.0248	0.00381 U	0.193	0.00854	0.0934	0.0803	0.00779 J
CHRYSENE	0.0829	0.00384 U	0.0862 J	0.0187	0.00438 U	0.00897	0.00878	0.0458	0.00267 J	0.424	0.0174	0.182	0.154	0.00414 U
DIBENZO(A,H)ANTHRACENE	0.0179	0.00384 U	0.0175	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00907	0.00381 U	0.0845	0.00503 J	0.0296	0.0251	0.00381 J
FLUORANTHENE	0.0886	0.00384 U	0.115 J	0.0258	0.00588 J	0.0128	0.0102	0.0597	0.00342 J	0.451	0.0192	0.172	0.152	0.0142
FLUORENE	0.00401 U	0.00384 U	0.0039 U	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00395 U	0.00381 U	0.00716 J	0.00405 U	0.00272 J	0.00263 J	0.00414 U
INDENO(1,2,3-CD)PYRENE	0.0869	0.00384 U	0.0827 J	0.0203	0.00456 J	0.00923	0.00881	0.0459	0.00313 J	0.39	0.02	0.149	0.132	0.0144
NAPHTHALENE	0.00401 U	0.00384 U	0.0039 U	0.00405 U	0.00438 U	0.00411 U	0.00434 U	0.00395 U	0.00381 U	0.00718 J	0.00405 U	0.00495 U	0.0029 J	0.00414 U
PHENANTHRENE	0.0252	0.00384 U	0.0418 J	0.0103	0.00381 J	0.00597 J	0.00536 J	0.0233	0.00208 J	0.111	0.00591 J	0.0291	0.0321	0.00424 J
PYRENE	0.0877	0.00384 U	0.111 J	0.0231	0.00465 J	0.0127	0.00944	0.058	0.0033 J	0.451	0.0194	0.172	0.153	0.0143
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB243	X7-SB244	X7-SB244	X7-SB245	X7-SB245	X7-SB246	X7-SB246	X7-SB247	X7-SB247	X7-SB248	X7-SB248	X7-SB248	X7-SB249	X7-SB249
SAMPLE ID	X7SS243-0102	X7SS244-0001	X7SS244-0102	X7SS245-0001	X7SS245-0102	X7SS246-0001	X7SS246-0102	X7SS247-0001	X7SS247-0102	X7SS248-0001	X7SS248-0001-D	X7SS248-0102	X7SS249-0001	X7SS249-0102
SAMPLE DATE	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00401 U	0.00401 U	0.00395 U	0.00414 U	0.0385 U	0.00397 U	0.00386 U	0.00409 U	0.0385 U	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.00393 U
2-METHYLNAPHTHALENE	0.00401 U	0.00401 U	0.00395 U	0.00414 U	0.0385 U	0.00397 U	0.00386 U	0.00409 U	0.0385 U	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.00393 U
ACENAPHTHENE	0.00556 J	0.00401 U	0.00395 U	0.00414 U	0.0385 U	0.00397 U	0.00386 U	0.00208 J	0.0932	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.00393 U
ACENAPHTHYLENE	0.00401 U	0.00401 U	0.00395 U	0.00414 U	0.0385 U	0.00397 U	0.00386 U	0.00409 U	0.0385 U	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.00393 U
ANTHRACENE	0.0104	0.00401 U	0.00543 J	0.0067 J	0.0385 U	0.00397 U	0.00242 J	0.0049 J	0.198	0.00408 U	0.00399 U	0.0414 U	0.0022 J	0.00393 U
BAP EQUIVALENT-HALFND	0.343813	0.0585138	0.0312892	0.02692587	0.04922175	0.0403678	0.1050083	0.153165	5.69607	0.00852177	0.006434495	0.0414 U	0.0130093	0.026633465
BAP EQUIVALENT-POS	0.343813	0.0585138	0.0312892	0.0267168	0.02591	0.0403678	0.1050083	0.153165	5.69607	0.00648177	0.004238	0.0414 U	0.0106972	0.026435
BENZO(A)ANTHRACENE	0.201	0.0341	0.0184	0.00414 U	0.0385 U	0.0176	0.0594	0.087	3.07	0.0037 J	0.00399 U	0.0414 U	0.0042 U	0.00393 U
BENZO(A)PYRENE	0.233	0.0391	0.0199	0.018	0.0227 J	0.0268	0.0708	0.103	3.86	0.00497 J	0.00347 J	0.0414 U	0.00882	0.0189
BENZO(B)FLUORANTHENE	0.273	0.0522	0.0252	0.0263	0.0321 J	0.0347	0.0894	0.136	5.36	0.00673 J	0.00436 J	0.0414 U	0.0101	0.027
BENZO(G,H,I)PERYLENE	0.205	0.0311	0.0175	0.0183	0.0385 U	0.0255	0.0619	0.0851	3.5	0.00542 J	0.00368 J	0.0414 U	0.0087	0.0164
BENZO(K)FLUORANTHENE	0.126	0.018	0.00985	0.00968	0.0385 U	0.0147	0.035	0.0503	1.79	0.00245 J	0.0033 J	0.0414 U	0.00522 J	0.0125
CHRYSENE	0.253	0.0438	0.0207	0.00414 U	0.0385 U	0.0208	0.0683	0.102	4.17	0.00527 J	0.00399 U	0.0414 U	0.0042 U	0.00393 U
DIBENZO(A,H)ANTHRACENE	0.0415	0.00721 J	0.00544 J	0.00412 J	0.0385 U	0.00556 J	0.0128	0.0182	0.643	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.003 J
FLUORANTHENE	0.191	0.0451	0.0223	0.0206	0.0275 J	0.0236	0.0688	0.109	4.22	0.00687 J	0.00501 J	0.0414 U	0.00932	0.0232
FLUORENE	0.00389 J	0.00401 U	0.00395 U	0.00414 U	0.0385 U	0.00397 U	0.00386 U	0.00409 U	0.0385 U	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.00393 U
INDENO(1,2,3-CD)PYRENE	0.204	0.0335	0.0147	0.0187	0.0385 U	0.0261	0.0611	0.0906	3.28	0.00439 J	0.00299 J	0.0414 U	0.00815 J	0.0171
NAPHTHALENE	0.00494 J	0.00401 U	0.00395 U	0.00414 U	0.0385 U	0.00397 U	0.00386 U	0.00409 U	0.0589 J	0.00408 U	0.00399 U	0.0414 U	0.0042 U	0.00393 U
PHENANTHRENE	0.0405	0.0133	0.00533 J	0.00684 J	0.0385 U	0.00397 U	0.0118	0.0224	0.933	0.00408 U	0.00339 J	0.0414 U	0.00492 J	0.00671 J
PYRENE	0.203	0.043	0.0217	0.0191	0.0271 J	0.0229	0.0685	0.108	4.18	0.00653 J	0.00456 J	0.0414 U	0.00924	0.0219
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB250	X7-SB250	X7-SB250	X7-SB251	X7-SB251	X7-SB252	X7-SB252	X7-SB253	X7-SB253	X7-SB254	X7-SB254	X7-SB255	X7-SB255	X7-SB256
SAMPLE ID	X7SS250-0001	X7SS250-0001-D	X7SS250-0102	X7SS251-0001	X7SS251-0102	X7SS252-0001	X7SS252-0102	X7SS253-0001	X7SS253-0102	X7SS254-0001	X7SS254-0102	X7SS255-0001	X7SS255-0102	X7SS256-0001
SAMPLE DATE	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00392 U	0.00409 U	0.00399 U	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00403 U	0.00403 U	0.00413 U	0.00393 U	0.00489 J	0.0382 U	0.00417 U
2-METHYLNAPHTHALENE	0.00392 U	0.00409 U	0.00399 U	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00403 U	0.00403 U	0.00413 U	0.00393 U	0.00764 J	0.0382 U	0.00417 U
ACENAPHTHENE	0.00392 U	0.00409 U	0.00235 J	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00403 U	0.00403 U	0.00681 J	0.00378 J	0.0283	0.119	0.00417 U
ACENAPHTHYLENE	0.00392 U	0.00409 U	0.00399 U	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00403 U	0.00403 U	0.00413 U	0.00393 U	0.004 U	0.0382 U	0.00417 U
ANTHRACENE	0.00392 U	0.00409 U	0.00481 J	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00212 J	0.00255 J	0.0114	0.00554 J	0.0381	0.213	0.00417 U
BAP EQUIVALENT-HALFND	0.00891996	0.01337461	0.1319451	0.0188676	0.0196466	0.01173673	0.0361849	0.009351665	0.0629458	0.699799	0.265358	1.7376	9.4851	0.0278143
BAP EQUIVALENT-POS	0.006762	0.01132961	0.1319451	0.0188676	0.0196466	0.0095017	0.0341549	0.00671	0.0629458	0.699799	0.265358	1.7376	9.4851	0.0278143
BENZO(A)ANTHRACENE	0.00392 U	0.00672 J	0.0724	0.00912	0.00858	0.00406 U	0.0211	0.00403 U	0.0291	0.409	0.152	1.12	5.88	0.0162
BENZO(A)PYRENE	0.00531 J	0.00869	0.0904	0.0117	0.0115	0.00767 J	0.0258	0.00671 J	0.0426	0.488	0.182	1.22	6.55	0.0178
BENZO(B)FLUORANTHENE	0.00816	0.0119	0.113	0.0147	0.0185	0.0102	0.0362	0.00403 U	0.0525	0.639	0.245	1.58	8.08	0.0246
BENZO(G,H,I)PERYLENE	0.00611 J	0.0072 J	0.0753	0.0108	0.0118	0.0075 J	0.026	0.00507 J	0.0343	0.331	0.136	0.713	4.32	0.0162
BENZO(K)FLUORANTHENE	0.0043 J	0.00476 J	0.0456	0.00735 J	0.0057 J	0.00487 J	0.0161	0.00403 U	0.02	0.24	0.0876	0.689	3.2	0.0084
CHRYSENE	0.00392 U	0.00901	0.0891	0.0121	0.0116	0.00406 U	0.0239	0.00403 U	0.0358	0.499	0.182	1.21	7.1	0.0203
DIBENZO(A,H)ANTHRACENE	0.00392 U	0.00409 U	0.0146	0.00364 J	0.004 J	0.00406 U	0.00406 U	0.00403 U	0.00822	0.0691	0.0287	0.16	1.03	0.00438 J
FLUORANTHENE	0.0104	0.01	0.0887	0.0124	0.0126	0.00776 J	0.0272	0.00836	0.0329	0.428	0.171	1.2	7.26	0.0182
FLUORENE	0.00392 U	0.00409 U	0.00399 U	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00403 U	0.00403 U	0.0036 J	0.00393 U	0.0138	0.0382 U	0.00417 U
INDENO(1,2,3-CD)PYRENE	0.00593 J	0.00721 J	0.0786	0.0106	0.0137	0.00763 J	0.0244	0.00403 U	0.0373	0.35	0.139	0.795	4.7	0.0145
NAPHTHALENE	0.00392 U	0.00409 U	0.00399 U	0.00417 U	0.00399 U	0.00406 U	0.00406 U	0.00403 U	0.00403 U	0.00413 U	0.00393 U	0.0331	0.0582 J	0.00417 U
PHENANTHRENE	0.00864	0.00442 J	0.0219	0.00415 J	0.00595 J	0.00376 J	0.00523 J	0.0048 J	0.0066 J	0.0598	0.0257	0.179	1.12	0.00562 J
PYRENE	0.00842	0.0095	0.0881	0.0115	0.012	0.0076 J	0.0281	0.00725 J	0.0335	0.455	0.178	1.23	7.36	0.018
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB256	X7-SB257	X7-SB257	X7-SB257	X7-SB258	X7-SB258	X7-SB259	X7-SB259	X7-SB260	X7-SB260	X7-SB261	X7-SB261	X7-SB262	X7-SB262
SAMPLE ID	X7SS256-0102	X7SS257-0001	X7SS257-0001-D	X7SS257-0102	X7SS258-0001	X7SS258-0102	X7SS259-0001	X7SS259-0102	X7SS260-0001	X7SS260-0102	X7SS261-0001	X7SS261-0102	X7SS262-0001	X7SS262-0102
SAMPLE DATE	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00411 U	0.00417 U	0.00399 U	0.00421 U	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00399 U	0.00398 U	0.0395 U	0.00405 U	0.00397 U
2-METHYLNAPHTHALENE	0.00411 U	0.00417 U	0.00399 U	0.00421 U	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00399 U	0.00398 U	0.0395 U	0.00405 U	0.00397 U
ACENAPHTHENE	0.00304 J	0.00417 U	0.00399 U	0.00437 J	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00271 J	0.00398 U	0.0395 U	0.00765 J	0.00397 U
ACENAPHTHYLENE	0.00411 U	0.00417 U	0.00399 U	0.00421 U	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00399 U	0.00398 U	0.0395 U	0.00405 U	0.00397 U
ANTHRACENE	0.00511 J	0.00417 U	0.00301 J	0.00691 J	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00473 J	0.00398 U	0.0395 U	0.0115	0.00275 J
BAP EQUIVALENT-HALFND	0.166454	0.0358926	0.0536303	0.345399	0.01029953	0.0042 U	0.00442 U	0.00422 U	0.012248975	0.1474503	0.0298196	0.293087	0.498052	0.0902324
BAP EQUIVALENT-POS	0.166454	0.0358926	0.0536303	0.345399	0.0078443	0.0042 U	0.00442 U	0.00422 U	0.0120596	0.1474503	0.0298196	0.293087	0.498052	0.0902324
BENZO(A)ANTHRACENE	0.104	0.0185	0.0236	0.203	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.0786	0.0173	0.124	0.30	0.0458
BENZO(A)PYRENE	0.112	0.0243	0.0364	0.238 J	0.00616 J	0.0042 U	0.00442 U	0.00422 U	0.00762	0.0997	0.0199	0.191	0.345	0.0604
BENZO(B)FLUORANTHENE	0.149	0.0328	0.0439	0.312 J	0.01	0.0042 U	0.00442 U	0.00422 U	0.0119	0.139	0.0281	0.262	0.473	0.0814
BENZO(G,H,I)PERYLENE	0.0812	0.0214	0.033	0.175 J	0.00618 J	0.0042 U	0.00442 U	0.00422 U	0.00707 J	0.076	0.0161	0.156	0.229	0.0525
BENZO(K)FLUORANTHENE	0.0545	0.0119	0.0151	0.115 J	0.00373 J	0.0042 U	0.00442 U	0.00422 U	0.00426 J	0.0483	0.0108	0.0916	0.169	0.0283
CHRYSENE	0.129	0.0236	0.0293	0.249 J	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.0973	0.0216	0.171	0.362	0.0594
DIBENZO(A,H)ANTHRACENE	0.0204	0.00437 J	0.00689 J	0.0363	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00256 J	0.0176	0.00358 J	0.0452 J	0.0493	0.0112
FLUORANTHENE	0.112	0.0229	0.0341	0.213 J	0.00781 J	0.0042 U	0.00442 U	0.00422 U	0.00902	0.0889	0.0199	0.158	0.336	0.0544
FLUORENE	0.00411 U	0.00417 U	0.00399 U	0.00266 J	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00201 J	0.00398 U	0.0395 U	0.00389 J	0.00397 U
INDENO(1,2,3-CD)PYRENE	0.0808	0.0195	0.0341	0.182 J	0.00647 J	0.0042 U	0.00442 U	0.00422 U	0.00647 J	0.0781	0.0167	0.172	0.244	0.0557
NAPHTHALENE	0.00411 U	0.00417 U	0.00399 U	0.00421 U	0.00446 U	0.0042 U	0.00442 U	0.00422 U	0.00375 U	0.00399 U	0.00398 U	0.0395 U	0.00405 U	0.00397 U
PHENANTHRENE	0.0224	0.00542 J	0.00901	0.0315	0.00286 J	0.0042 U	0.00442 U	0.00422 U	0.00384 J	0.0199	0.00437 J	0.0282 J	0.0549	0.0113
PYRENE	0.112	0.0237	0.0324	0.225 J	0.00724 J	0.0042 U	0.00442 U	0.00422 U	0.00861	0.0903	0.0204	0.159	0.345	0.0551
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB263	X7-SB263	X7-SB265	X7-SB265	X7-SB266	X7-SB266	X7-SB267	X7-SB267	X7-SB270	X7-SB270	X7-SB270	X7-SB271	X7-SB271	X7-SB272
SAMPLE ID	X7SS263-0001	X7SS263-0102	X7SS265-0001	X7SS265-0102	X7SS266-0001	X7SS266-0102	X7SS267-0001	X7SS267-0102	X7SS270-0001	X7SS270-0102	X7SS270-0102-D	X7SS271-0001	X7SS271-0102	X7SS272-0001
SAMPLE DATE	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011	11/9/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00389 U	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00398 U	0.00409 U
2-METHYLNAPHTHALENE	0.00389 U	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00398 U	0.00409 U
ACENAPHTHENE	0.00587 J	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00297 J	0.00275 J
ACENAPHTHYLENE	0.00389 U	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00398 U	0.00409 U
ANTHRACENE	0.0119	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00403 J	0.00403 J
BAP EQUIVALENT-HALFND	0.41523	0.00583354	0.01841824	0.005849825	0.01353646	0.0428044	0.013894585	0.0221614	0.01184303	0.004 U	0.00386 U	0.0833637	0.153328	0.1395715
BAP EQUIVALENT-POS	0.41523	0.0036976	0.0161722	0.003337	0.01147146	0.0428044	0.0117091	0.0221614	0.00981303	0.004 U	0.00386 U	0.0833637	0.153328	0.1395715
BENZO(A)ANTHRACENE	0.248	0.00388 U	0.00408 U	0.00415 U	0.00644 J	0.0201	0.00397 U	0.0117	0.00642 J	0.004 U	0.00386 U	0.0414	0.0832	0.0743
BENZO(A)PYRENE	0.283	0.00305 J	0.0133	0.00287 J	0.00893	0.0269	0.00957	0.0141	0.00758 J	0.004 U	0.00386 U	0.0559	0.106	0.0932
BENZO(B)FLUORANTHENE	0.372	0.00345 J	0.0189	0.00467 J	0.0126	0.0406	0.0136	0.0185	0.00949	0.004 U	0.00386 U	0.079	0.145	0.131
BENZO(G,H,I)PERYLENE	0.218	0.00274 J	0.00976	0.00221 J	0.00668 J	0.0225	0.0069 J	0.0119	0.00585 J	0.004 U	0.00386 U	0.0412	0.0723	0.0691
BENZO(K)FLUORANTHENE	0.133	0.00196 J	0.00652 J	0.00415 U	0.00497 J	0.0158	0.00561 J	0.00785 J	0.00463 J	0.004 U	0.00386 U	0.0279	0.0546	0.0488
CHRYSENE	0.30	0.00388 U	0.00408 U	0.00415 U	0.00776 J	0.0264	0.00397 U	0.0129	0.00773 J	0.004 U	0.00386 U	0.0547	0.102	0.0935
DIBENZO(A,H)ANTHRACENE	0.0468	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00726 J	0.00397 U	0.00378 J	0.00406 U	0.004 U	0.00386 U	0.0106	0.0162	0.0181
FLUORANTHENE	0.301	0.00286 J	0.0199	0.00642 J	0.00867	0.0237	0.009	0.0132	0.00983	0.004 U	0.00386 U	0.0491	0.0961	0.0865
FLUORENE	0.00368 J	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00398 U	0.00214 J
INDENO(1,2,3-CD)PYRENE	0.218	0.00283 J	0.00917	0.00415 U	0.0058 J	0.0239	0.00723 J	0.0117	0.00588 J	0.004 U	0.00386 U	0.0449	0.0766	0.0716
NAPHTHALENE	0.00389 U	0.00388 U	0.00408 U	0.00415 U	0.00413 U	0.00404 U	0.00397 U	0.00405 U	0.00406 U	0.004 U	0.00386 U	0.00422 U	0.00398 U	0.00409 U
PHENANTHRENE	0.0559	0.00388 U	0.00895	0.0061 J	0.00327 J	0.00441 J	0.0032 J	0.00408 J	0.00483 J	0.004 U	0.00386 U	0.00948	0.0169	0.0215
PYRENE	0.301	0.00282 J	0.0183	0.00455 J	0.00824 J	0.0229	0.00904	0.013	0.00835	0.004 U	0.00386 U	0.0488	0.0975	0.0839
XRF (MG/KG)														
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB272	X7-SB274	X7-SB274	X7-SB275	X7-SB275	X7-SB276	X7-SB276	X7-SB277	X7-SB277	X7-SB278	X7-SB278	X7-SB279	X7-SB279	X7-SB279
SAMPLE ID	X7SS272-0102	X7SS2740001	X7SS2740102	X7SS2750001	X7SS2750102	X7SS2760001	X7SS2760102	X7SS2770001	X7SS2770102	X7SS2780001	X7SS2780102	X7SS2790001	X7SS2790102	X7SB2790203
SAMPLE DATE	11/9/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/12/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	20.1 J
LEAD-CALC	--	670	397	413	616	128	90.9	382	315	464	315	408	376	23.4
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	0.00412 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-METHYLNAPHTHALENE	0.00412 U	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHENE	0.00272 J	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHYLENE	0.00412 U	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTHRACENE	0.00537 J	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-HALFND	0.177108	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-POS	0.177108	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)ANTHRACENE	0.0974	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)PYRENE	0.121	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(B)FLUORANTHENE	0.163	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(G,H,I)PERYLENE	0.086	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(K)FLUORANTHENE	0.0641	--	--	--	--	--	--	--	--	--	--	--	--	--
CHRYSENE	0.117	--	--	--	--	--	--	--	--	--	--	--	--	--
DIBENZO(A,H)ANTHRACENE	0.021	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORANTHENE	0.114	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORENE	0.00412 U	--	--	--	--	--	--	--	--	--	--	--	--	--
INDENO(1,2,3-CD)PYRENE	0.0831	--	--	--	--	--	--	--	--	--	--	--	--	--
NAPHTHALENE	0.00412 U	--	--	--	--	--	--	--	--	--	--	--	--	--
PHENANTHRENE	0.0208	--	--	--	--	--	--	--	--	--	--	--	--	--
PYRENE	0.116	--	--	--	--	--	--	--	--	--	--	--	--	--
XRF (MG/KG)														
LEAD	--	734.67	433.33	451	675	135	94.33	416.67	342.33	507	342	445.33	409.67	19.67

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB280	X7-SB280	X7-SB281	X7-SB281	X7-SB282	X7-SB282	X7-SB282	X7-SB283	X7-SB283	X7-SB283	X7-SB284	X7-SB284	X7-SB285	X7-SB286
SAMPLE ID	X7SS2800001	X7SS2800102	X7SS2810001	X7SS2810102	X7SS2820001	X7SS2820102	X7SB2820203	X7SS2830001	X7SS2830001-D	X7SS2830102	X7SS2840001	X7SS2840102	X7SS2850001	X7SS2860001
SAMPLE DATE	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/12/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	94.3 J	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	603	98.5	611	96.6	559	303	88.8	534	555	522	503	87.3	392	189
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-METHYLNAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHYLENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-HALFND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-POS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(B)FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(G,H,I)PERYLENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(K)FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHRYSENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DIBENZO(A,H)ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDENO(1,2,3-CD)PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PHENANTHRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
XRF (MG/KG)														
LEAD	661	102.67	669.33	100.67	611.67	329	92	584	608	571.67	550.33	90.33	427.67	202.67

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB287	X7-SB288	X7-SB289	X7-SB290	X7-SB290	X7-SB291	X7-SB291	X7-SB291	X7-SB292	X7-SB292	X7-SB293	X7-SB294	X7-SB294	X7-SB295
SAMPLE ID	X7SS2870001	X7SS2880001	X7SS2890001	X7SS2900001	X7SS2900102	X7SS2910001	X7SS2910102	X7SB2910203	X7SS2920001	X7SS2920102	X7SS2930001	X7SS2940001	X7SS2940102	X7SS2950001
SAMPLE DATE	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/11/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011	11/8/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	44.8 J	63.8 J	--	--	--	--	--	203 J	--	--	--	--	--	--
LEAD-CALC	65.6	79.5	78	143	29	1186	365	280	226	90.6	71.6	148	61.7	339
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-METHYLNAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHYLENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-HALFND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-POS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(B)FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(G,H,I)PERYLENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(K)FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHRYSENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DIBENZO(A,H)ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDENO(1,2,3-CD)PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PHENANTHRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
XRF (MG/KG)														
LEAD	66.33	81.67	80	151.67	25.67	1306	397	303.67	244	94	73	157	62	368.67

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	X7-SB295	X7-SB295	X7-SB296	X7-SB296	X7-SB296	X7-SB297	X7-SB297	X7-SB297	X7-SB298	X7-SB298	X7-SB299	X7-SB299	X7-SB299	X7-SB299
SAMPLE ID	X7SS2950102	X7SB2950203	X7SS2960001	X7SS2960102	X7SB2960203	X7SS2970001	X7SS2970102	X7SB2970203	X7SS2980001	X7SS2980102	X7SS2990001	X7SS2990102	X7SB2990203	X7SB2990203-D
SAMPLE DATE	11/8/2011	11/11/2011	11/8/2011	11/8/2011	11/11/2011	11/7/2011	11/7/2011	11/11/2011	11/7/2011	11/7/2011	11/7/2011	11/7/2011	11/11/2011	11/11/2011
METALS (MG/KG)														
ALUMINUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTIMONY	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ARSENIC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BARIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BERYLLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CADMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CALCIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHROMIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COBALT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COPPER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IRON	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD	--	--	--	--	--	--	--	--	--	--	--	--	--	--
LEAD-CALC	386	477	818	304	280	646	366	232	356	414	338	478	122	131
MAGNESIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MANGANESE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NICKEL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POTASSIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SELENIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SILVER	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SODIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
THALLIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VANADIUM	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ZINC	--	--	--	--	--	--	--	--	--	--	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)														
1-METHYLNAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-METHYLNAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACENAPHTHYLENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-HALFND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BAP EQUIVALENT-POS	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(A)PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(B)FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(G,H,I)PERYLENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENZO(K)FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CHRYSENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DIBENZO(A,H)ANTHRACENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORANTHENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FLUORENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDENO(1,2,3-CD)PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NAPHTHALENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PHENANTHRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PYRENE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
XRF (MG/KG)														
LEAD	420.33	521.33	899	330	303.33	708.33	398.33	250	388	452	367.33	522.33	128.67	139

TABLE A-2
UXO 7 - RANGES ANALYTICAL SUMMARY
NSA CRANE
CRANE, INDIANA

SOIL

LOCATION	**X7-SB300**	**X7-SB300**	**X7-SB301**	**X7-SB301**
SAMPLE ID	**X7SS3000001**	**X7SS3000102**	**X7SS3010001**	**X7SB3010203**
SAMPLE DATE	**11/7/2011**	**11/7/2011**	**11/7/2011**	**11/11/2011**
METALS (MG/KG)				
ALUMINUM	--	--	--	--
ANTIMONY	--	--	--	--
ARSENIC	--	--	--	--
BARIUM	--	--	--	--
BERYLLIUM	--	--	--	--
CADMIUM	--	--	--	--
CALCIUM	--	--	--	--
CHROMIUM	--	--	--	--
COBALT	--	--	--	--
COPPER	--	--	--	--
IRON	--	--	--	--
LEAD	--	--	--	--
LEAD-CALC	230	228	164	517
MAGNESIUM	--	--	--	--
MANGANESE	--	--	--	--
NICKEL	--	--	--	--
POTASSIUM	--	--	--	--
SELENIUM	--	--	--	--
SILVER	--	--	--	--
SODIUM	--	--	--	--
THALLIUM	--	--	--	--
VANADIUM	--	--	--	--
ZINC	--	--	--	--
POLYCYCLIC AROMATIC HYDROCARBONS (MG/KG)				
1-METHYLNAPHTHALENE	--	--	--	--
2-METHYLNAPHTHALENE	--	--	--	--
ACENAPHTHENE	--	--	--	--
ACENAPHTHYLENE	--	--	--	--
ANTHRACENE	--	--	--	--
BAP EQUIVALENT-HALFND	--	--	--	--
BAP EQUIVALENT-POS	--	--	--	--
BENZO(A)ANTHRACENE	--	--	--	--
BENZO(A)PYRENE	--	--	--	--
BENZO(B)FLUORANTHENE	--	--	--	--
BENZO(G,H,I)PERYLENE	--	--	--	--
BENZO(K)FLUORANTHENE	--	--	--	--
CHRYSENE	--	--	--	--
DIBENZO(A,H)ANTHRACENE	--	--	--	--
FLUORANTHENE	--	--	--	--
FLUORENE	--	--	--	--
INDENO(1,2,3-CD)PYRENE	--	--	--	--
NAPHTHALENE	--	--	--	--
PHENANTHRENE	--	--	--	--
PYRENE	--	--	--	--
XRF (MG/KG)				
LEAD	248	245.67	175.67	565.67

SOIL Footnotes:

-- = The chemical was not analyzed or no value was available.
Data Qualifiers:
Blank (i.e., no qualifier) = the chemical was detected.
> = The chemical was detected.
J = The chemical was detected but the concentration reported is an estimated value.
U = The chemical was not detected.
< = The chemical was not detected.
R = The chemical was rejected.

APPENDIX B

FIELD FORMS AND DOCUMENTATION

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS274-0001	HA	0-1	11/08	1550	L	G		1	X								
X7-SS274-0102	HA	1-2	11/08	1550	L	G		1	X								
X7-SS275-0001	HA	0-1	11/08	1600	L	G		1	X								
X7-SS275-0102	HA	1-2	11/08	1600	L	G		1	X								
X7-SS276-0001	HA	0-1	11/08	1610	L	G		1	X								
X7-SS276-0102	HA	1-2	11/08	1610	L	G		1	X								
X7-SS277-0001	HA	0-1	11/08	1615	L	G		1	X								
X7-SS277-0102	HA	1-2	11/08	1615	L	G		1	X								Refusal at 18"
X7-SS278-0001	HA	0-1	11/08	1630	L	G		1	X								
X7-SS278-0102	HA	1-2	11/08	1630	L	G		1	X								Refusal at 18"
X7-SS279-0001	HA	0-1	11/08	1630	L	G		1	X								
X7-SS279-0102	HA	1-2	11/08	1630	L	G		1	X								Refusal at 18"
X7-SS279-0203	HA	2-3	11/12	1005	L	G		1	X	1							
X7-SS280-0001	HA	0-1	11/08	1510	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS280-0102	HA	1-2	11/08	1510	L	G		1	X	1							
X7-SS281-0001	HA	0-1	11/08	1520	L	G		1	X								
X7-SS281-0102	HA	1-2	11/08	1520	L	G		1	X								
X7-SS282-0001	HA	0-1	11/08	1525	L	G		1	X								
X7-SS282-0102	HA	1-2	11/08	1525	L	G		1	X								
X7-SS282-0203	HA	2-3	11/12	1010	L	G		1	X								
X7-SS283-0001	HA	0-1	11/08	1530	L	G		1	X								
X7-SS283-0102	HA	1-2	11/08	1530	L	G		1	X								
X7-SS284-0001	HA	0-1	11/08	1540	L	G		1	X								
X7-SS284-0102	HA	1-2	11/08	1540	L	G		1	X								
X7-SS285-0001	HA	0-1	11/08	1530	L	G		1	X								
X7-SS286-0001	HA	0-1	11/08	1520	L	G		1	X								
X7-SS287-0001	HA	0-1	11/08	1510	L	G		1	X	1							
X7-SS288-0001	HA	0-1	11/08	1610	L	G		1	X	1							

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS289-0001	HA	0-1	11/08	1555	L	G		1	X								
X7-SS289-0102	HA	1-2	11/08	1555	L	G		1	X								
X7-SS290-0001	HA	0-1	11/08	1540	L	G		1	X								
X7-SS290-0102	HA	1-2	11/08	1540	L	G		1	X								
X7-SS291-0001	HA	0-1	11/08	845	L	G		1	X								
X7-SS291-0102	HA	1-2	11/08	845	L	G		1	X								
X7-SS291-0203	HA	2-3	11/11	1050	L	G		1	X	3		X					
X7-SS292-0001	HA	0-1	11/08	900	L	G		1	X								
X7-SS292-0102	HA	1-2	11/08	900	L	G		1	X								
X7-SS293-0001	HA	0-1	11/08		L	G		1	X								
X7-SS294-0001	HA	0-1	11/08	920	L	G		1	X								
X7-SS295-0001	HA	0-1	11/08	830	L	G		1	X								
X7-SS295-0102	HA	1-2	11/08	830	L	G		1	X								
X7-SS295-0203	HA	2-3	11/11	1100	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS296-0001	HA	0-1	11/08	840	L	G		1	X								
X7-SS296-0102	HA	1-2	11/08	840	L	G		1	X								
X7-SS296-0203	HA	2-3	11/11	1110	L	G		1	X								
X7-SS297-0001	HA	0-1	11/07	1540	L	G		1	X								
X7-SS297-0102	HA	1-2	11/07	1540	L	G		1	X								
X7-SS297-0203	HA	2-3	11/11	1105	L	G		1	X								
X7-SS298-0001	HA	0-1	11/07	1550	L	G		1	X								
X7-SS298-0102	HA	1-2	11/07	1550	L	G		1	X								
X7-SS299-0001	HA	0-1	11/07	1600	L	G		1	X								
X7-SS299-0102	HA	1-2	11/07	1600	L	G		1	X								
X7-SS299-0203	HA	2-3	11/11	1355	L	G		1	X								
X7-SS300-0001	HA	0-1	11/07	1605	L	G		1	X								
X7-SS300-0102	HA	1-2	11/07	1605	L	G		1	X								
X7-SS301-0001	HA	0-1	11/07	1620	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
					L	G		1	X								
X7-SS301-0102	HA	1-2	11/07	1620	L	G		1	X								
X7-SS301-0203	HA	2-3	11/11	1405	L	G		1	X								
X7-SS302-0001	HA	0-1	11/07	1630	L	G		1	X								
X7-SS302-0102	HA	1-2	11/07	1630	L	G		1	X								
X7-SS303-0001	HA	0-1	11/07	1605	L	G		1	X								
X7-SS303-0102	HA	1-2	11/07	1605	L	G		1	X								
X7-SS304-0001	HA	0-1	11/07	1620	L	G		1	X								
X7-SS304-0102	HA	1-2	11/07	1620	L	G		1	X								
X7-SS305-0001	HA	0-1	11/08	830	L	G		1	X								
X7-SS305-0102	HA	1-2	11/08	830	L	G		1	X								
X7-SS306-0001	HA	0-1	11/08	845	L	G		1	X								
X7-SS306-0102	HA	1-2	11/08	845	L	G		1	X								
X7-SS306-0203	HA	2-3	11/11	1410	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS307-0001	HA	0-1	11/08	855	L	G		1	X								
X7-SS307-0102	HA	1-2	11/08	855	L	G		1	X								
X7-SS308-0001	HA	0-1	11/07	1545	L	G		1	X								
X7-SS308-0102	HA	1-2	11/07	1545	L	G		1	X								
X7-SS308-0203	HA	2-3	11/11	1415	L	G		1	X								
X7-SS309-0001	HA	0-1	11/07	1405	L	G		1	X								
X7-SS309-0102	HA	1-2	11/07	1405	L	G		1	X								
X7-SS310-0001	HA	0-1	11/07	1425	L	G		1	X								
X7-SS310-0102	HA	1-2	11/07	1425	L	G		1	X	1							
X7-SS310-0203	HA	2-3	11/12	845	L	G		1	X	1							
X7-SS311-0001	HA	0-1	11/07	1435	L	G		1	X								
X7-SS311-0102	HA	1-2	11/07	1435	L	G		1	X								
X7-SS312-0001	HA	0-1	11/07	1450	L	G		1	X								
X7-SS312-0102	HA	1-2	11/07	1450	L	G		1	X	1							

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS313-0001	HA	0-1	11/07	1510	L	G		1	X	1							
X7-SS313-0102	HA	1-2	11/07	1510	L	G		1	X								
X7-SS313-0203	HA	2-3	11/12	840	L	G		1	X								
X7-SS314-0001	HA	0-1	11/07	1525	L	G		1	X								
X7-SS314-0102	HA	1-2	11/07	1525	L	G		1	X								
X7-SS315-0001	HA	0-1	11/07	1400	L	G		1	X	1							
X7-SS315-0102	HA	1-2	11/07	1400	L	G		1	X								
X7-SS316-0001	HA	0-1	11/07	1420	L	G		1	X								
X7-SS316-0102	HA	1-2	11/07	1420	L	G		1	X								
X7-SS317-0001	HA	0-1	11/07	1430	L	G		1	X								
X7-SS318-0001	HA	0-1	11/07	1435	L	G		1	X								
X7-SS319-0001	HA	0-1	11/07	1450	L	G		1	X								
X7-SS320-0001	HA	0-1	11/07	1520	L	G		1	X								
X7-SS320-0102	HA	1-2	11/07	1520	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS320-0203	HA	2-3	11/12	830	L	G		1	X								
X7-SS321-0001	HA	0-1	11/12	950	L	G		1	X	1							
X7-SS321-0102	HA	1-2	11/12	950	L	G		1	X								
X7-SS323-0001	HA	0-1	11/12	1000	L	G		1	X	1							
X7-SS323-0102	HA	1-2	11/12	1000	L	G		1	X								
X7-SS325-0001	HA	0-1	11/12	1015	L	G		1	X								
X7-SS325-0102	HA	1-2	11/12	1015	L	G		1	X								
X7-SS327-0001	HA	0-1	11/12	1030	L	G		1	X	1			X				FD111211-02
X7-SS329-0001	HA	0-1	11/12	1035	L	G		1	X	1							
X7-SS331-0001	HA	0-1	11/12	1035	L	G		1	X	1							
X7-SS331-0102	HA	1-2	11/12	1035	L	G		1	X								
X7-SS333-0001	HA	0-1	11/12	1040	L	G		1	X	1							
X7-SS333-0102	HA	1-2	11/12	1040	L	G		1	X								
X7-SS336-0001	HA	0-1	11/12	1055	L	G		1	X	1							

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE		TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS336-0102	HA	1-2	11/12	1055	L	G		1	X								
X7-SS337-0001	HA	0-1	11/12	1110	L	G		1	X	1							
X7-SS342-0102	HA	1-2	11/12	1115	L	G		1	X	1							
X7-SS344-0001	HA	0-1	11/12	1050	L	G		1	X	1							
X7-SS344-0102	HA	1-2	11/12	1050	L	G		1	X								
X7-SS345-0001	HA	0-1	11/11	1445	L	G		1	X								
X7-SS345-0102	HA	1-2	11/11	1445	L	G		1	X	1							
X7-SS347-0001	HA	0-1	11/11	1450	L	G		1	X								
X7-SS347-0102	HA	1-2	11/11	1450	L	G		1	X	1							
X7-SS349-0001	HA	0-1	11/11	1425	L	G		1	X								
X7-SS349-0102	HA	1-2	11/11	1425	L	G		1	X								
X7-SS351-0001	HA	0-1	11/11	1435	L	G		1	X	1							
X7-SS351-0102	HA	1-2	11/11	1435	L	G		3	X	3		X					
X7-SS353-0001	HA	0-1	11/11	1430	L	G		1	X	1							

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS355-0001	HA	0-1	11/11	1505	L	G		1	X	1							
X7-SS355-0102	HA	1-2	11/11	1505	L	G		1	X								
X7-SS357-0001	HA	0-1	11/11	1515	L	G		1	X								
X7-SS357-0102	HA	1-2	11/11	1515	L	G		1	X								
X7-SS358-0001	HA	0-1	11/11	1525	L	G		1	X								
X7-SS358-0102	HA	1-2	11/11	1525	L	G		1	X								
X7-SS360-0001	HA	0-1	11/11	1540	L	G		1	X								
X7-SS360-0102	HA	1-2	11/11	1540	L	G		1	X								
X7-SS361-0001	HA	0-1	11/11	1540	L	G		1	X								
X7-SS361-0102	HA	1-2	11/11	1540	L	G		1	X								
X7-SS363-0001	HA	0-1	11/11	1520	L	G		1	X	1							
X7-SS363-0102	HA	1-2	11/11	1520	L	G		1	X								
X7-SS365-0001	HA	0-1	11/11	1505	L	G		1	X								
X7-SS365-0102	HA	1-2	11/11	1505	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS368-0001	HA	0-1	11/11	1500	L	G		1	X								
X7-SS368-0102	HA	1-2	11/11	1500	L	G		1	X								
X7-SS369-0001	HA	0-1	11/11	1455	L	G		1	X								
X7-SS369-0102	HA	1-2	11/11	1455	L	G		3	X	3		X					
X7-SS371-0001	HA	0-1	11/12	830	L	G		1	X	1							
X7-SS373-0001	HA	0-1	11/12	845	L	G		1	X								
X7-SS376-0001	HA	0-1	11/12	910	L	G		1	X								
X7-SS376-0102	HA	1-2	11/12	910	L	G		1	X	1							
X7-SS377-0001	HA	0-1	11/12	915	L	G		1	X								
X7-SS377-0102	HA	1-2	11/12	915	L	G		1	X	1			X				FD111211-01
X7-SS379-0001	HA	0-1	11/12	925	L	G		1	X								
X7-SS383-0001	HA	0-1	11/12	900	L	G		1	X								
X7-SS385-0001	HA	0-1	11/12	900	L	G		1	X	1							
X7-SS385-0102	HA	1-2	11/12	900	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

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Tetra Tech, Inc.

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SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS387-0001	HA	0-1	11/12	905	L	G		1	X								
X7-SS391-0001	HA	0-1	11/08	955	L	G		1	X								
X7-SS391-0102	HA	1-2	11/08	955	L	G		1	X								
X7-SS391-0203	HA	2-3	11/11	1145	L	G		1	X								
X7-SS393-0001	HA	0-1	11/08	930	L	G		1	X								
X7-SS393-0102	HA	1-2	11/08	930	L	G		1	X	1							FD110811-03
X7-SS394-0001	HA	0-1	11/08	910	L	G		1	X								
X7-SS394-0102	HA	1-2	11/08	910	L	G		1	X								
X7-SS394-0203	HA	2-3	11/11	1130	L	G		1	X								
X7-SS395-0001	HA	0-1	11/08	925	L	G		1	X								
X7-SS395-0102	HA	1-2	11/08	925	L	G		1	X								
X7-SS395-0203	HA	0-1	11/11	1125	L	G		1	X								
X7-SS396-0001	HA	0-1	11/08	940	L	G		1	X								
X7-SS396-0102	HA	1-2	11/08	940	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
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SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS396-0203	HA	2-3	11/11	1115	L	G		1	X								
X7-SS398-0001	HA	0-1	11/11	1420	L	G		1	X								
X7-SS398-0102	HA	1-2	11/11	1420	L	G		1	X								
X7-SS400-0001	HA	0-1	11/11	1120	L	G		1	X								
X7-SS401-0001	HA	0-1	11/11	1130	L	G		1	X	1							
X7-SS401-0102	HA	1-2	11/11	1130	L	G		1	X								
X7-SS402-0001	HA	0-1	11/11	1140	L	G		1	X	1							
X7-SS404-0001	HA	0-1	11/11	1400	L	G		1	X								
X7-SS404-0102	HA	1-2	11/11	1400	L	G		1	X								
X7-SS406-0001	HA	0-1	11/11	1410	L	G		1	X								
X7-SS407-0001	HA	0-1	11/14	1415	L	G		1	X	1							
X7-SS408-0001	HA	0-1	11/14	1420	L	G		1	X	1							
X7-SS408-0102	HA	1-2	11/14	1420	L	G		1	X								
X7-SS409-0304	HA	3-4	11/14	1425	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS410-0001	HA	0-1	11/14	1555	L	G		1	X	1							
X7-SS411-0304	HA	0-2	11/14	1430	L	G		1	X								
X7-SS412-0001	HA	0-1	11/14	1435	L	G		1	X	1							
X7-SS412-0102	HA	1-2	11/14	1435	L	G		1	X								
X7-SS413-0304	HA	3-4	11/14	1440	L	G		1	X								
X7-SS414-0102	HA	1-2	11/14	1610	L	G		1	X								
X7-SS415-0001	HA	0-1	11/14	1530	L	G		1	X	1							
X7-SS415-0102	HA	1-2	11/14	1530	L	G		1	X								
X7-SS416-0001	HA	0-1	11/14	1600	L	G		1	X	1							
X7-SS417-0304	DPT	3-4	11/14	1440	L	G		1	X								
X7-SS417-0405	DPT	4-5	11/14	1440	L	G		1	X								
X7-SS417-0506	DPT	5-6	11/14	1440	L	G		1	X								
X7-SS418-0001	HA	0-1	11/14	1605	L	G		1	X								
X7-SS419-0304	DPT	3-4	11/14	1620	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

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PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS420-0001	HA	0-1	11/14	1450	L	G		1	X								
X7-SS420-0102	HA	1-2	11/14	1450	L	G		1	X								
X7-SS420-0203	HA	2-3	11/14	1450	L	G		1	X								
X7-SS421-0001	HA	0-1	11/14	1505	L	G		1	X								
X7-SS421-0102	HA	1-2	11/14	1505	L	G		1	X								
X7-SS422-0001	HA	0-1	11/14	1515	L	G		1	X								
X7-SS422-0102	HA	1-2	11/14	1515	L	G		1	X	1							
X7-SS422-0203	HA	2-3	11/14	1515	L	G		1	X	1							
X7-SS423-0001	HA	0-1	11/14	1625	L	G		1	X	1							
X7-SS423-0102	HA	1-2	11/14	1625	L	G		1	X								
X7-SS424-0001	HA	0-1	11/14	1620	L	G		1	X	1							
X7-SS424-0102	HA	1-2	11/14	1620	L	G		1	X	1							
X7-SS425-0001	HA	0-1	11/14	1650	L	G		1	X	1							
X7-SS425-0102	HA	1-2	11/14	1650	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)		MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS426-0304	DPT	3-4	11/14	1640	L	G		1	X								
X7-SS427-0304	DPT	3-4	11/14	1645	L	G		1	X	1							
X7-SS428-0304	DPT	3-4	11/14	1635	L	G		1	X								
X7-SS429-0001	HA	0-1	11/14	1630	L	G		1	X	1							
X7-SS430-0304	DPT	3-4	11/15	855	L	G		1	X								
X7-SS430-0405	DPT	4-5	11/15	855	L	G		1	X								
X7-SS430-0506	DPT	5-6	11/15	855	L	G		1	X								
X7-SS431-0304	DPT	3-4	11/15	915	L	G		1	X								
X7-SS431-0405	DPT	4-5	11/15	915	L	G		1	X	1							
X7-SS432-0304	DPT	3-4	11/15	935	L	G		1	X								
X7-SS432-0405	DPT	4-5	11/15	935	L	G		1	X								
X7-SS434-0001	HA	0-1	11/15	835	L	G		1	X	1							
X7-SS434-0102	HA	1-2	11/15	835	L	G		1	X								
X7-SS294-0102	HA	1-2	11/15	920	L	G		1	X								

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[X] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB	(C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: XRF - Lead	Lead - (FBL)	TCLP-LEAD	MS / MSD	FD		USCS	PID READING	COMMENTS
X7-SS392-0001	HA	0-1	11/08	945	L	G		1	X	1							
X7-SS393-0203	HA	2-3	11/11	1135	L	G		1	X								
X7-SS414-0001	HA	0-1	11/14	1610	L	G		1	X	1							
X7-TCLP-01	HA	0-1	11/13	1400	L		C	1			1						
X7-TCLP-02	HA	0-1	11/13	1420	L		C	1			1						
X7-TCLP-03	HA	0-1	11/13	1425	L		C	1			1						

REMARKS:

LABORATORY:

Empirical Laboratories

COC No(s).:

Tetra Tech NUS, Inc.

MULTIPLE SAMPLE LOG SHEET

[X] SURFACE SOIL [ ] SEDIMENT
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SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS200-0001	HA	0-1	11/10	950	L	G	1	X								Moist Brown Clay / Silt
X7-SS200-0102	HA	1-2	11/10	950	L	G	1	X								Moist Lt Brown Clay / Silt (2)
X7-SS201-0001	HA	0-1	11/10	930	L	G	1	X								Moist Brown Silt / Clay (1)
X7-SS201-0102	HA	1-2	11/10	930	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS202-0001	HA	0-1	11/10	925	L	G	1	X								Moist Lt Brown Clay (2)
X7-SS202-0102	HA	1-2	11/10	925	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS203-0001	HA	0-1	11/10	920	L	G	1	X								Moist Brown Clay (2)
X7-SS203-0102	HA	1-2	11/10	920	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS204-0001	HA	0-1	11/10	1050	L	G	3	X	X							Moist Brown Silt / Clay (1) (2)
X7-SS204-0102	HA	1-2	11/10	1050	L	G	1	X								Moist Lt Brown Hard Clay (2)
X7-SS205-0001	HA	0-1	11/10	1115	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS205-0102	HA	1-2	11/10	1115	L	G	1	X		X	FD111011-03					Moist Lt Brown Hard Clay
X7-SS206-0001	HA	0-1	11/10	955	L	G	1	X								Moist Brown Silt / Lt Brown Clay
X7-SS206-0102	HA	1-2	11/10	955	L	G	1	X								Moist Brown Hard Clay - Ref 16"

REMARKS: (1) = Skeet fragments

(2) = Organic material

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

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SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS207-0001	HA	0-1	11/10	910	L	G	1	X								Moist Lt Brown Silt / Clay (2)
X7-SS207-0102	HA	1-2	11/10	910	L	G	1	X								Moist Brown Clay
X7-SS208-0001	HA	0-1	11/10	900	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS208-0102	HA	1-2	11/10	900	L	G	1	X								Moist Brown Soft Clay
X7-SS209-0001	HA	0-1	11/10	900	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS209-0102	HA	1-2	11/10	900	L	G	1	X								Moist Lt Brown Soft Clay
X7-SS210-0001	HA	0-1	11/10	855	L	G	3	X	X							Moist Brown Silt / Clay
X7-SS210-0102	HA	1-2	11/10	855	L	G	1	X								Moist Lt Brown Clay
X7-SS211-0001	HA	0-1	11/10	1305	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS211-0102	HA	1-2	11/10	1305	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS212-0001	HA	0-1	11/10	1125	L	G	1	X								Moist Lt Brown Clay
X7-SS212-0102	HA	1-2	11/10	1125	L	G	1	X								Moist Lt Brown Clay
X7-SS213-0001	HA	0-1	11/10	1310	L	G	1	X								Moist Brown Silt (2)
X7-SS213-0102	HA	1-2	11/10	1310	L	G	1	X								Moist Brown Clay

REMARKS: (1) = Skeet fragments

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LABORATORY:

Empirical Laboratories

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PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS214-0001	HA	0-1	11/10	1313	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS214-0102	HA	1-2	11/10	1313	L	G	1	X								Moist Lt Brown Clay
X7-SS215-0001	HA	0-1	11/10	1335	L	G	1	X								Moist Brown Clay / Silt (2)
X7-SS215-0102	HA	1-2	11/10	1335	L	G	1	X		X	FD111011-02					Moist Lt Brown Clay
X7-SS216-0001	HA	0-1	11/10	1345	L	G	1	X								Moist Lt Brown Clay / Silt
X7-SS216-0102	HA	1-2	11/10	1345	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS217-0001	HA	0-1	11/10	1100	L	G	1	X								Moist Brown Clay (2)
X7-SS217-0102	HA	1-2	11/10	1100	L	G	1	X								Moist Brown Clay / Rocks - Ref 18"
X7-SS218-0001	HA	0-1	11/10	1035	L	G	1	X								Moist Brown Silt / Clay (1) (2)
X7-SS218-0102	HA	1-2	11/10	1035	L	G	1	X								Moist Brown Clay
X7-SS219-0001	HA	0-1	11/10	1040	L	G	1	X								Moist Brown Silt / Clay
X7-SS219-0102	HA	1-2	11/10	1040	L	G	1	X								Moist Brown Clay / Rocks
X7-SS220-0001	HA	0-1	11/10	1050	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS220-0102	HA	1-2	11/10	1050	L	G	1	X								Moist Brown Soft Clay

REMARKS: (1) = Skeet fragments

(2) = Organic material

LABORATORY:

Empirical Laboratories

COC No(s).:

MULTIPLE SAMPLE LOG SHEET

Tetra Tech NUS, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS221-0001	HA	0-1	11/10	1120	L	G	1	X								Moist Brown Clay / Silt (2)
X7-SS221-0102	HA	1-2	11/10	1120	L	G	1	X								Lt Brown Clay / Rocks
X7-SS222-0001	HA	0-1	11/10	920	L	G	1	X		X	FD111011-04					Moist Brown Silt / Clay (2)
X7-SS222-0102	HA	1-2	11/10	920	L	G	1	X								Moist Brown Clay
X7-SS223-0001	HA	0-1	11/10	845	L	G	1	X								Moist Brown Silt / Clay (1)
X7-SS223-0102	HA	1-2	11/10	845	L	G	1	X								Moist Brown Clay
X7-SS224-0001	HA	0-1	11/10	835	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS224-0102	HA	1-2	11/10	835	L	G	1	X								Moist Brown Soft Clay
X7-SS225-0001	HA	0-1	11/10	830	L	G	1	X								Moist Brown Clay / Silt (1)
X7-SS225-0102	HA	1-2	11/10	830	L	G	1	X								Moist Brown Clay
X7-SS226-0001	HA	0-1	11/10	845	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS226-0102	HA	1-2	11/10	845	L	G	1	X								Moist Brown Soft Clay
X7-SS227-0001	HA	0-1	11/10	1000	L	G	1	X								Moist Brown Silt (2)
X7-SS227-0102	HA	1-2	11/10	1000	L	G	1	X								Moist Brown Clay / Rocks

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PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS228-0001	HA	0-1	11/10	1010	L	G	1	X								Moist Brown Clay / Silt
X7-SS228-0102	HA	1-2	11/10	1010	L	G	1	X								Moist Brown Clay (1)
X7-SS229-0001	HA	0-1	11/10	1030	L	G	1	X								Moist Brown Silt (2)
X7-SS229-0102	HA	1-2	11/10	1030	L	G	1	X								Moist Brown Clay (2)
X7-SS230-0001	HA	0-1	11/10	1025	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS230-0102	HA	1-2	11/10	1025	L	G	1	X								Moist Brown Clay
X7-SS231-0001	HA	0-1	11/10	1030	L	G	1	X								Moist Brown Clay / Silt (2)
X7-SS231-0102	HA	1-2	11/10	1030	L	G	1	X								Moist Brown Clay / Rocks
X7-SS232-0001	HA	0-1	11/10	1104	L	G	1	X								Moist Brown Clay / Silt (2)
X7-SS232-0102	HA	1-2	11/10	1104	L	G	1	X								Moist Lt Brown Clay / Rocks
X7-SS233-0001	HA	0-1	11/10	1115	L	G	1	X								Moist Brown Silt / Clay
X7-SS233-0102	HA	1-2	11/10	1115	L	G	1	X								Moist lt Brown Clay
X7-SS234-0001	HA	0-1	11/10	1325	L	G	3	X	X							Moist Brown Clay / Silt (2)
X7-SS234-0102	HA	1-2	11/10	1325	L	G	1	X								Moist Lt Brown Hard Clay

REMARKS: (1) = Skeet fragments

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LABORATORY:

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Tetra Tech NUS, Inc.

[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS235-0001	HA	0-1	11/10	1355	L	G	3	X	X							Moist Brown Silt / Clay (2)
X7-SS235-0102	HA	1-2	11/10	1355	L	G	1	X								Moist Brown Clay / Silt
X7-SS236-0001	HA	0-1	11/10	1345	L	G	1	X								Moist Brown Clay / Silt
X7-SS236-0102	HA	1-2	11/10	1345	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS237-0001	HA	0-1	11/10	1320	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS237-0102	HA	1-2	11/10	1320	L	G	1	X								Moist Brown Clay
X7-SS238-0001	HA	0-1	11/10	1330	L	G	1	X								Moist Brown Silt / Clay
X7-SS238-0102	HA	1-2	11/10	1330	L	G	1	X		X	FD111011-01					Moist Lt Brown Hard Clay
X7-SS239-0001	HA	0-1	11/10	1010	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS239-0102	HA	1-2	11/10	1010	L	G	1	X								Moist Lt Brown Hard Clay
X7-SS240-0001	HA	0-1	11/10	950	L	G	1	X								Moist Brown Clay / Silt
X7-SS240-0102	HA	1-2	11/10	950	L	G	1	X								Moist Brown Clay
X7-SS241-0001	HA	0-1	11/10	935	L	G	1	X								Moist Brown Silt / Clay (1)
X7-SS241-0102	HA	1-2	11/10	935	L	G	1	X								Moist Lt Brown Hard Clay

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LABORATORY:

Empirical Laboratories

COC No(s).:

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[X] SURFACE SOIL [ ] SEDIMENT
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SAMPLER (S): _ Rumer / Weichert

PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS242-0001	HA	0-1	11/09	1255	L	G	1	X								
X7-SS242-0102	HA	1-2	11/09	1255	L	G	1	X								
X7-SS243-0001	HA	0-1	11/09	1305	L	G	1	X								
X7-SS243-0102	HA	1-2	11/09	1305	L	G	1	X								
X7-SS244-0001	HA	0-1	11/09	1320	L	G	1	X								
X7-SS244-0102	HA	1-2	11/09	1320	L	G	1	X								
X7-SS245-0001	HA	0-1	11/09	1330	L	G	1	X								
X7-SS245-0102	HA	1-2	11/09	1330	L	G	1	X								
X7-SS246-0001	HA	0-1	11/09	1355	L	G	1	X								
X7-SS246-0102	HA	1-2	11/09	1355	L	G	1	X								
X7-SS247-0001	HA	0-1	11/09	1405	L	G	1	X								
X7-SS247-0102	HA	1-2	11/09	1405	L	G	1	X								
X7-SS248-0001	HA	0-1	11/09	1020	L	G	1	X		X	FD110911-02					
X7-SS248-0102	HA	1-2	11/09	1020	L	G	3	X	X							

REMARKS: (1) = Skeet fragments

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Empirical Laboratories

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[X] SURFACE SOIL [ ] SEDIMENT
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PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS249-0001	HA	0-1	11/09	1010	L	G	1	X								Moist Brown Clay / Silt
X7-SS249-0102	HA	1-2	11/09	1010	L	G	1	X								Moist Brown Clay
X7-SS250-0001	HA	0-1	11/09	1005	L	G	1	X		X	FD110911-04					Moist Lt Brown Silt / Clay (2)
X7-SS250-0102	HA	1-2	11/09	1005	L	G	1	X								Moist Brown Clay / Silt
X7-SS251-0001	HA	0-1	11/09	1100	L	G	1	X								Moist Brown / Grey Clay
X7-SS251-0102	HA	1-2	11/09	1100	L	G	1	X								Moist Lt Brown Clay
X7-SS252-0001	HA	0-1	11/09	1050	L	G	1	X								Lt Brown Clay / Silt
X7-SS252-0102	HA	1-2	11/09	1050	L	G	1	X								Moist Lt Brown Clay
X7-SS253-0001	HA	0-1	11/09	1030	L	G	1	X								Moist Brown Silt / Clay
X7-SS253-0102	HA	1-2	11/09	1030	L	G	1	X								Moist Lt Brown Clay
X7-SS254-0001	HA	0-1	11/09	1325	L	G	1	X								Moist Brown Silt / Clay
X7-SS254-0102	HA	1-2	11/09	1325	L	G	1	X								Moist Lt Brown Silt / Clay (1)
X7-SS255-0001	HA	0-1	11/09	1330	L	G	1	X								Moist Lt Brown Clay / Silt
X7-SS255-0102	HA	1-2	11/09	1330	L	G	1	X								Moist Lt Brown / Grey Clay

REMARKS: (1) = Skeet fragments

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LABORATORY:

Empirical Laboratories

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[X] SURFACE SOIL [ ] SEDIMENT
[ ] SUBSURFACE SOIL [ ] LAGOON / POND
[ ] OTHER _____

SIGNATURE(S): _____

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PROJECT NAME: **NSA Crane UXO 7**
PROTECT NUMBER: **112G01621**
YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS256-0001	HA	0-1	11/09	1345	L	G	1	X								Moist Brown Clay / Silt
X7-SS256-0102	HA	1-2	11/09	1345	L	G	1	X								Moist Lt Brown Clay (1)
X7-SS257-0001	HA	0-1	11/09	1350	L	G	1	X		X	FD110911-03					Moist Brown Silt / Clay
X7-SS257-0102	HA	1-2	11/09	1350	L	G	3	X	X							Moist Brown Clay / Silt (1) (2)
X7-SS258-0001	HA	0-1	11/09	1405	L	G	1	X								Wet Brown Clay
X7-SS258-0102	HA	1-2	11/09	1405	L	G	1	X								Wet Brown Clay
X7-SS259-0001	HA	0-1	11/09	1415	L	G	1	X								Very Wet Brown Clay (1) (2)
X7-SS259-0102	HA	1-2	11/09	1415	L	G	1	X								Very Wet Brown Clay
X7-SS260-0001	HA	0-1	11/09	1420	L	G	1	X								Moist Brown Silt / Clay
X7-SS260-0102	HA	1-2	11/09	1420	L	G	1	X								Moist Brown Clay
X7-SS261-0001	HA	0-1	11/09	1300	L	G	1	X								Moist Brown Clay / Silt (2)
X7-SS261-0102	HA	1-2	11/09	1300	L	G	1	X								Moist Lt Brown Clay
X7-SS262-0001	HA	0-1	11/09	1305	L	G	1	X								Moist Brown Clay / Silt (2)
X7-SS262-0102	HA	1-2	11/09	1305	L	G	1	X								Moist Lt Brown / Grey Clay / Silt

REMARKS: (1) = Skeet fragments

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LABORATORY:

Empirical Laboratories

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PROJECT NAME: **NSA Crane UXO 7**
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YEAR **2011**

LOCATION:

SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS263-0001	HA	0-1	11/09	1315	L	G	1	X								Moist Brown / Grey Clay / Silt
X7-SS263-0102	HA	1-2	11/09	1315	L	G	1	X								Moist Lt Brown / Grey Clay
X7-SS264-0001	HA	0-1	11/09	1035	L	G	1	X								Very Wet Lt Brown Clay
X7-SS264-0102	HA	1-2	11/09	1035	L	G	1	X								Very Wet Lt Brown Clay
X7-SS265-0001	HA	0-1	11/09	1045	L	G	1	X								Moist Lt Brown Silt / Clay
X7-SS265-0102	HA	1-2	11/09	1045	L	G	1	X								Moist Brown Silt / Clay
X7-SS266-0001	HA	0-1	11/09	1050	L	G	1	X								Moist Lt Brown Clay
X7-SS266-0102	HA	1-2	11/09	1050	L	G	1	X								Moist Lt Brown Clay
X7-SS267-0001	HA	0-1	11/09	1100	L	G	1	X								Moist Lt Brown Clay
X7-SS267-0102	HA	1-2	11/09	1100	L	G	1	X								Moist Lt Brown / Grey Clay
X7-SS268-0001	HA	0-1	11/09	1110	L	G	1	X								Moist Brown Clay
X7-SS268-0102	HA	1-2	11/09	1110	L	G	1	X								Wet Lt Brown Clay
X7-SS269-0001	HA	0-1	11/09	1115	L	G	1	X								Moist Brown Silt / Clay (2)
X7-SS269-0102	HA	1-2	11/09	1115	L	G	1	X								Moist Lt Brown Clay

REMARKS: (1) = Skeet fragments

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LABORATORY:

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YEAR **2011**

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SAMPLE No.	SAMPLE METHOD	DEPTH (Ft.)	DATE	TIME	CONCENTRATION (L)LOW (H)HIGH	(G) GRAB (C) COMPOSITE	TOTAL NUMBER OF CONTAINERS	ANALYSES: PAHs	MS / MSD	FD				USCS	PID READING	SOIL DESCRIPTION
X7-SS270-0001	HA	0-1	11/09	1000	L	G	3	X	X							Moist Lt Brown Clay / Silt
X7-SS270-0102	HA	1-2	11/09	1000	L	G	1	X		X	FD110911-01					Wet Lt Brown Clay
X7-SS271-0001	HA	0-1	11/09	1010	L	G	1	X								Moist Lt Brown Clay / Silt
X7-SS271-0102	HA	1-2	11/09	1010	L	G	1	X								Moist Grey / Red Clay
X7-SS272-0001	HA	0-1	11/09	1015	L	G	1	X								Moist Lt Brown Clay
X7-SS272-0102	HA	1-2	11/09	1015	L	G	1	X								Moist Brown Clay
X7-SS273-0001	HA	0-1	11/09	1025	L	G	1	X								Moist Brown Clay / Silt
X7-SS273-0102	HA	1-2	11/09	1025	L	G	1	X								Moist Brown Clay (1)

REMARKS: (1) = Skeet fragments

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LABORATORY:

Empirical Laboratories

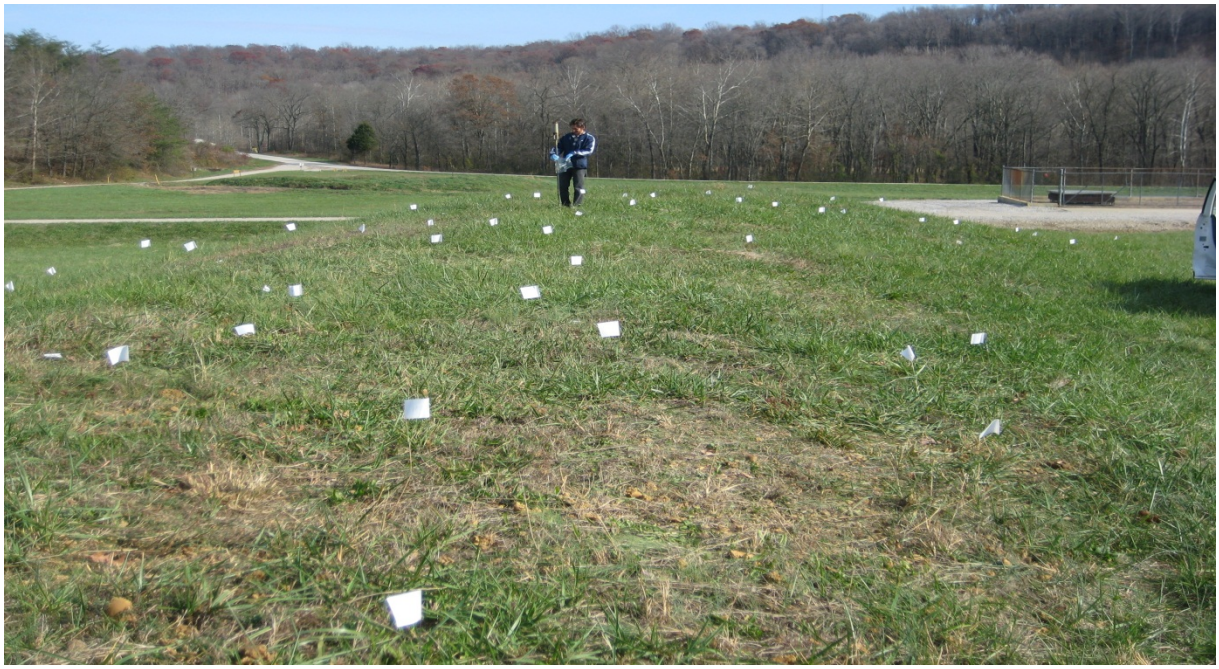
COC No(s).:

APPENDIX C

SITE PHOTOGRAPHS

Appendix C - NSA Crane (UXO 7)

SITE: UXO 7 – Rifle Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** North	**DESCRIPTION:** View of UXO 7 from main target area. West Trap Range to the left (just past rough area). East Trap Range to the right of the gravel road. Rifle Range shooting berms along left side of photo.	1 4/5/2011



SITE: UXO 7 – Rifle Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** East	**DESCRIPTION:** Sample locations at the 400-yard firing berm.	2 11/11/2011

Appendix C - NSA Crane (UXO 7)

SITE: UXO 7 - Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** Southwest	**DESCRIPTION:** View of the dirt mound located between the 300- and 400-yard firing berms.	3 11/14/2011

SITE: UXO 7 – Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** North	**DESCRIPTION:** View of the dirt mound located between the 300- and 400-yard firing berms.	4 11/15/2011

Appendix C - NSA Crane (UXO 7)

SITE: UXO 7 – Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** North	**DESCRIPTION:** View of angle DPT drilling into base of dirt mound.	5 11/15/2011

SITE: UXO 7 – Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** South	**DESCRIPTION:** Collection of soil sample via DPT angled into base of dirt mound.	6 11/15/2011

Appendix C - NSA Crane (UXO 7)

SITE: UXO 7 – Ranges	**PHOTOGRAPHER:** J. Goerdt **VIEW:** West	**DESCRIPTION:** View of the West Trap Range standing at firing points and looking west toward tree line.	7 11/10/2011