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# Project Closeout Report

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Containerized Hazardous, Toxic, and Radioactive Waste  
Project # F10AK0606-06

*L Concern – Air Corps Operations Reserve (ACOR) Tank Farm*  
Yakutat Air Base Formerly Used Defense Site  
Yakutat, Alaska

July 2020



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## Acronyms and Abbreviations

ACOR	Air Corps Operations Reserve
ADEC	Alaska Department of Environmental Conservation
AOC	Area of Concern
bgs	Below ground surface
CAA	Civil Aeronautics Administration
CON/HTRW	Containerized Hazardous, Toxic, and Radioactive Waste
CUL	Cleanup Level
DERP	Defense Environmental Restoration Program
DoD	Department of Defense
DRO	Diesel Range Organics
FDE	Findings and Determination of Eligibility
FUDS	Formerly Used Defense Sites
HTRW	Hazardous, Toxic, and Radioactive Waste
LF	Linear feet
mg/kg	Milligrams per kilogram
MTG	Migration to Groundwater
POL	Petroleum, Oil, and Lubricants
RA	Removal Action
RI	Remedial Investigation
ROST/LIF	Rapid Optical Screening Tool/Laser Induced Fluorescence
USACE	United States Army Corps of Engineers
WAA	War Assets Administration

## **1. INTRODUCTION**

The Authority for the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), 10 U.S.C. § 2701-2707, is the Defense Environmental Restoration Account, 10 U.S.C. § 2703. The DERP-FUDS authorizes the cleanup of contamination resulting from past military activities at sites that were owned by, leased to, or otherwise possessed by the United States and under the jurisdiction of the Secretary of Defense at the time of the release of contamination, but transferred from DoD's jurisdiction by 17 October 1986. A hazardous, toxic, and radioactive waste (HTRW) project (F10AK0606-02) was authorized for the Yakutat Air Base property (F10AK0606) in 1995 after completing a Findings and Determination of Eligibility (FDE). The results of the FDE indicated that the Yakutat Air Base property met the eligibility requirements for inclusion in the DERP-FUDS program. In 2015, a revised Inventory Project Report was completed to delineate the existing -02 HTRW project into multiple containerized hazardous, toxic, and radioactive waste (CON/HTRW) projects (F10AK0606-04 through -07). The CON/HTRW project -06 for the L Concern – Air Corps Operations Reserve (ACOR) Tank Farm, was created during this delineation and authorized in 2015. Alaska Department of Environmental Conservation (ADEC) has listed the L Concern as the “Yakutat AFB Air Corps Tank Farm”. The ADEC File No. is 1530.38.011 and the Hazard ID is 3715.

The CON/HTRW Project F10AK0606-06 has been recommended for site closeout by the United States Army Corps of Engineers, Alaska District (USACE) based on the conclusions of the 2018 removal action report that all contaminated soils above the ADEC 2008 cleanup levels (CULs) were removed and backfilled with clean soil. There remains a de minimis amount of soil exceeding the current naphthalene CULs, but the site no longer contains contamination at levels posing an imminent and substantial endangerment to human health or the environment. This Project Closeout Report is issued by USACE pursuant to ER 200-3-1, paragraph 4-7.4.1.1.

### **1.1 SITE LOCATION AND BRIEF DESCRIPTION**

Yakutat, Alaska is approximately 225 miles northwest of Juneau and 380 miles southeast of Anchorage, Alaska at 59° 33' N Latitude, 139° 44' W Longitude (Section 30, Township 27 South, Range 34 East, Copper River Meridian). Located at the mouth of Yakutat Bay, the community is bounded by the Wrangell-Saint Elias Mountains and Yakutat Bay to the north, the Tongass National Forest to the south and east, and the Gulf of Alaska to the west (Figure 1). The FUDS sites, scattered around the Yakutat Air Base, are not connected via road to other permanent Southeast Alaska communities, and are only accessible by air or water.

### **1.2 YAKUTAT AIR BASE HISTORY**

U.S. military interest in Yakutat began by Executive Order in 1929 with the creation of the Yakutat Bay Naval Reservation. As early as 1936, the War Department was considering Yakutat as a site for a military airfield. Soon after World War II began in Europe (September 1939) the Civil Aeronautics Administration (CAA) embarked on a program of building and improving airfields in Alaska with both commercial and tactical values in mind. The first government use of the area was a CAA radio range commissioned in June 1940 on a site near Yakutat village. The War Department acquired 46,083 acres from the Department of the Interior (U.S. Forest Service), Department of the

Navy, and the Department of Commerce (Lighthouse Reserves) for the establishment of an "Auxiliary Landing Field and Staging Area". In October 1940, Army Engineer troops arrived to begin construction of the Yakutat Landing Field (also known as the Yakutat Air Base). Constructed by military engineers and members of the Civilian Conservation Corps, the landing field was completed on June 15, 1943.

The Yakutat Air Base was intended as an advanced airfield supporting pursuit and bombardment aircraft against Japanese invasion forces. However, as western Aleutian bases expanded and the Japanese were stopped on Attu and Kiska, its military value diminished significantly and no aircraft were permanently assigned. Instead, the base served as a ferrying post and temporary station for aircraft squadrons and as a refueling stop between the 48 contiguous states and points in Alaska.

In December 1943, after the Japanese were expelled from the Aleutians, military activities were gradually reduced with personnel and equipment being transferred elsewhere. In April of 1944, the Yakutat Air Base was placed in caretaker status until the end of the war. A similar reduction took place at the seaplane base, which was officially closed on July 22, 1944.

The Yakutat Air Base was declared surplus by the Army in December 1945 and ceased operations in 1946. On December 1, 1945, the CAA assumed responsibility for maintenance and operation of the airfield, leading to the transfer of the airfield and its associated facilities from the Army to CAA on April 4, 1947. The improvements, equipment, and materials that were not transferred to the CAA were declared excess by the War Department to the War Assets Administration for disposal in June 1948, pursuant to the Surplus Property Act of 1944.

Beginning in 1946, ownership of the air base property was relinquished and retransferred to the original owners: Department of the Interior, Bureau of Land Management (Tract B containing 42,437 acres - in two portions: July 1946 and March 1947), the Department of Commerce (Tract C, 147 acres - November 1948), and the Department of the Navy (Tract A, 3,500 acres - March 1949). When the Yakutat Bay Naval Reservation was revoked in 1953, 266 acres were withdrawn for the use of the CAA, known as the Air-Navigation Site Withdrawal, and the remaining acreage was returned to the Tongass National Forest.

### **1.3 L CONCERN HISTORY**

The ACOR Tank Farm, built as part of the Air Corps Tactical Gas System during World War II, hosted fifteen aboveground storage tanks (AST) and an associated pipeline system with a total capacity of nearly 750,000 gallons. Yakutat Army Air Base maps indicate that the fuel tanks were supported by concrete "saddles" and were connected by service lines to pipeline system lateral lines. The lateral lines were connected by a drainage lateral that drained toward a pump house located near the center of the tank farm. The pump house was at the low point of the tank farm and drained all lateral lines. Two gasoline-driven pumps pushed the gasoline from the tanks along the pipeline to the fill stands where the trucks were loaded. The piping system was buried in trenches, generally 2 to 5 feet below ground surface (bgs).

Historical property disposal documents indicate that the 15 tanks (1301-1315) at the ACOR Tank Farm were leased by the Army to Standard Oil Company in 1947. The tanks were removed from the site and relocated east of the Army Dock Diesel Oil Tank Farm, at what is now the present day Delta

Western tank farm; the date is unknown (2010). The ACOR piping system was not removed when the tanks were moved. Remedial Investigations (RIs) were performed from 1994 to 2005 to characterize site contamination. Removal actions were performed in 2003 and 2008 to drain, pig, and abandon-in-place, or remove existing pipelines (2009). Those actions addressed the majority of the contamination at the ACOR Tank Farm, however, eight hot spots remained.

The -06 CON/HTRW project is comprised of the following eight areas of concern:

- 1) L1 – South Drum Dump
- 2) L3 – Tank No. 1301 Foundation (AST 1)
- 3) L3 – Tank No. 1313 Foundation (AST 3)
- 4) L3 – Tank No. 1308 Foundation (AST 7)
- 5) L3 – Tank No. 1303 Foundation (AST 8)
- 6) L3 – Tank No. 1306 Foundation (AST 11)
- 7) L3 – Tank No. 1305 Foundation (AST 14)
- 8) L4 – Truck Fill Stand No. 4

## **1.4 REMEDIAL HISTORY**

### **1.4.1 2001 Remedial Investigation**

In 2001 USACE conducted an RI at L Concern (2003).

At sub-site L1 – South Drum Dump, two borings were advanced and two soil samples per boring were collected. The borings were converted to monitoring wells, one groundwater sample was collected per well. Boring/monitoring well AP-078 had soil and groundwater samples over Gasoline Range Organics (GRO) and benzene CULs. Elevated lead was found in the groundwater samples. There were no other CUL exceedances.

At L3 – AST 1, L3 – AST 3, L3 – AST 7, L3 – AST 8, L3 – AST 11, and L3 – AST 14 two surface soil samples, one boring with two soil samples, one monitoring well installed and sampled per site. ASTs 1, 3, 7, 8, and 11 surface samples had benzo (a)pyrene above CULs. At AST 14, one surface sample had benzene above CULs. Petroleum, Oil Lubricants (POL) contamination limited and localized was found near outfall piping of the ASTs.

At L4 – Truck Fill Stand No. 4 two surface soil samples, one soil boring with two soil samples, one monitoring well installed and sampled. Surface samples had benzo(a)pyrene and DRO above CULs. There were no other CUL exceedances.

### **1.4.2 2003 Removal Action**

In 2003, USACE conducted a removal action to remove or inert pipes at the L Concern. During the removal action, the report noted five localized areas of potential petroleum contamination based on field screening (2004).

The 2003 work included:

- draining, pigging, inerting, and closing in place about 6,158 linear feet (LF) of 4-inch and 6-inch diameter POL pipeline,
- draining and removing about 1,587 LF of 4-inch and 6-inch diameter POL pipeline,
- treating about 2,775 gallons of POL-contaminated water,
- removing and recycling about 4,900 gallons of fuel,
- removing and disposing of about 1,905 gallons of POL-contaminated sludge,
- recycling about 15 tons of metal scrap (pipe, valves, and misc. metal),
- removal and disposal of about 5,000 pounds of presumed asbestos containing material,
- removal and disposal of all valves and pipe from eight valve pits and backfilling the pits to match existing grade, and
- removal of POL-contaminated sludge from one pump house and pressure washing of the interior.

### **1.4.3 2004 Remedial Investigation**

The objective of the 2004 RI was to provide a comparison of the 2001 and 2004 groundwater data to determine if the concentrations measured in 2001 were reflective of the true groundwater quality, or were instead attributable to sediment affects associated with insufficient well development.

Approximately one half of the existing monitoring wells were developed, purged and sampled as part of the 2004 RI field activities. The remaining monitoring wells were not sampled due either to an insufficient groundwater column in the well, or to well damage. With the exception of one sample, the target metal analytes were not detected at concentrations exceeding project to-be-considered criteria. The groundwater sample collected from Monitoring Well AP-078 located at Concern L1 contained 21 ppb lead, which exceeded the 15 ppb 2004 cleanup level established by the ADEC.

Based on the findings, it was concluded that the elevated metals concentrations measured in 2001 were most likely attributable to sedimentation effects, and were not representative of true dissolved-phase concentrations. Using proper development methods and a low-flow sampling technique for the 2004 RI, samples were obtained that were relatively non-turbid, as compared to the reported turbidity values in the 2001 samples. The similar concentrations measured in filtered and unfiltered samples collected from selected wells indicate that this sample collection technique was effective in removing suspended sediment, such that the analytical results for those sample sets are representative of true aqueous-phase metal concentrations (2006a).

### **1.4.4 2005 Focused Remedial Investigation**

In 2005, a Rapid Optical Screening Tool (ROST)/Laser-Induced Fluorescence (LIF) Focused Remedial Investigation was conducted by USACE at L Concern. The objectives of the RI were to



delineate the lateral and vertical extent of petroleum contamination using the ROST/LIF technology, identify the locations of highest non-aqueous phase liquids concentration, collect and analyze soil samples to correlate the ROST/LIF screening results, collect and analyze soil samples for metals and Polycyclic aromatic hydrocarbons (PAHs) at the Drum Dumps, establish the location of the source area for use in future mapping efforts, identify new and previously surveyed features using differential GPS, collect data for potential future use in developing alternate cleanup levels using a four phase partitioning model, collect samples from locations of highest contamination identified by the ROST investigation, collect samples from locations of highest contamination identified by the ROST investigation and analyze the soil samples by Washington EPH/VPH methods. (2006b)

### **Focused RI Results:**

L1 - South Drum Dump: At L1 – South Drum Dump eight ROST/LIF probes encircled AP-078. All the analytical sample results were below CULs. The ROST/LIF determined that the gasoline contamination was limited horizontally and extended below groundwater vertically.

L3 – AST 1, AST 3, AST 7, AST 8, and AST 11: AST 1 had four ROST/LIF probes installed, ASTs 7, 8, and 14 had five installed, and ASTs 3 and 11 did not have any probes installed. Probes were advanced in a circular layout to encompass the 2001 sample exceedance location. All the analytical sample results were below CULs. The results showed minor POL contamination was limited horizontally and vertically and near outfall piping of ASTs.

L4 – Truck Fill Stand No. 4: At L4 – Truck Fill Stand No. 4 eight probes advanced in a circular layout to encompass the 2001 sample exceedance location. All the analytical sample results were below CULs. Minor POL contamination was limited horizontally and vertically and was found near outfall piping of the fill stand tank.

### **1.4.5 2008 Removal Action**

In 2008, USACE conducted a removal action to remove or inert pipes in the L Concern that ran to Truck Fill Stand No. 4 (2008). With the completion of this RA all the remaining CON/HTRW components of the fuel system were removed or closed in place.

The 2008 work included:

- removal of 127 LF of 6-inch steel mainline,
- draining, swabbing, pigging, inerting and abandoning in place the remaining 1,090-LF of 6-inch steel mainline, and
- soil sampling that resulted in finding no potential chemicals of potential concern (COPCs) along the pipeline system.

### **1.4.6 2009 FUDS Closeout of CON/HTRW Project 01**

In 2009, USACE completed the closeout of the Containerized HTRW FUDS Project F10AK060601. This included the entire fuel system at L Concern. ADEC concurred with the project closeout (2009).

### 1.4.7 2010 Feasibility Study

In 2010, USACE completed a feasibility study (FS) for the former Yakutat Air Base. The FS included the following areas of concern:

- L3 – ACOR Tank Farm, Tank Foundations (15 ASTs)
- L4 – ACOR Tank Farm, Truck Fill Stand No. 4

The FS indicated that in areas L3 and L4, the remaining COPCs included DRO, benzene, benzo(a)pyrene, and benzo(a)anthracene (2010).

### 1.4.8 2016 Removal Action

In 2016, a Removal Action was conducted at L Concern: 468.1 tons of petroleum contaminated soil were excavated from the remaining hotspots. At the sub-site L1 – former South Drum Dump, soil and groundwater samples were submitted to the project laboratory for Gasoline Range Organics (GRO), and Benzene, Ethylbenzene, Toluene, and Xylenes (BTEX) analysis. All the analytical confirmation soil sample results were below ADEC cleanup levels. With the completion of the excavation, a groundwater monitoring well was installed in the former source area of the excavation. The well was developed, purged and sampled and all the groundwater analytical results indicate that the remaining dissolved phase contamination is below ADEC cleanup levels (2018).

At the sub-sites L3 and L4 – Truck Fill Stand No. 4, soil samples were submitted to the project laboratory for GRO, Benzo(a)anthracene, Benzo(a)pyrene, Benzene, and Toluene analysis. The previous remedial investigations determined that the groundwater was below ADEC cleanup levels. With the exception listed below, all the analytical confirmation soil sample results were below ADEC cleanup levels.

The Final Removal Action Report for Concern L (2018) states:

“At AOC L, the Work Plan objectives were met. All contaminated soils above the 2008 CULs were removed and backfilled with clean soil. In November 2016, after the removal action was complete, ADEC reduced the CUL for benzo(a)pyrene from 0.4 mg/kg to 0.17 mg/kg (ADEC 2016b). As a result, there are now four slight exceedances of benzo(a)pyrene in the soil below the backfilled areas ranging from 0.172 to 0.35 mg/kg. These exceedances were scattered and isolated throughout AOC L and are thought to be de minimis. Confirmation soil samples collected from AOC L excavation floors and sidewalls fully characterized in situ conditions relative to the presence and concentration of identified COCs.”

L1 – South Drum Dump: All soil contaminated with COCs at concentrations greater than corresponding Method Two 2017 CULs was removed from L1 – South Drum Dump.

L3 – AST Sites: All soil contaminated with COCs at concentrations greater than corresponding Method Two 2008 CULs was removed from the six L3 – AST sites (AST 1, 3, 7, 8, 11, and 14).

De minimis volumes of soil contaminated with benzo(a)pyrene at concentrations greater than the Method Two 2017 CUL of 0.17 mg/kg remain at L3 – AST 1, 3, and 7.

L4-Truck Fill Stand No. 4: All soil contaminated with COCs at concentrations greater than corresponding Method Two 2008 CULs was removed from L4 – Truck Fill Stand No. 4.

A de minimis volume of soil contaminated with benzo(a)anthracene, benzo(a)pyrene, and naphthalene at concentrations greater than the Method Two 2017 CULs of 0.28 mg/kg, 0.17mg/kg, and 0.038 mg/kg, respectively, remain at L4 – Truck Fill Stand No. 4.

#### **1.4.9 2018 Removal Action**

During the 2018 removal action, twenty-two preexisting monitoring wells at L Concern were decommissioned. Monitoring well AP-098 was not located. It was later determined that this well had already been decommissioned by USACE in 2016. With the completion of this RA, all of the monitoring wells at L Concern had been decommissioned in accordance with ADEC guidance documents (2019).

#### **1.5 ADEC 2018 REGULATORY CHANGES**

In 2018 ADEC made additional changes to their cleanup levels and currently only naphthalene, at L4 – Truck Fill Stand No. 4, exceeds CULs. In October 2018, ADEC promulgated new CULs for benzo(a)anthracene and benzo(a)pyrene of 0.7 mg/kg and 1.2 mg/kg respectively. For these two compounds, all of L Concern meets the 2018 CULs. The most stringent 2018 ADEC Method Two, migration to groundwater (MTG) cleanup level for naphthalene (0.038 mg/kg) was met at all sites except L4 – Truck Fill Stand No. 4. Two out of twelve confirmation sample exceedances were found at 1 foot at 0.0668 mg/kg and 0.139 mg/kg respectively. The ADEC Method Two human health cleanup level for naphthalene is 20 mg/kg. The 2018 report determined that the remaining naphthalene was de minimis.

#### **1.6 CONCLUSIONS**

The two naphthalene exceedances of ADEC MTG cleanup values were limited to shallow subsurface soil (1 foot bgs) over a small area and do not pose an imminent and substantial endangerment to human health or the environment. The 2001 groundwater sample results for naphthalene were nondetect and well below the ADEC 2018 cleanup level of 1.7 mg/L. Because of the de minimis quantity, and no detections of naphthalene in the groundwater, there is little likelihood the remaining naphthalene will migrate to groundwater in any appreciable quantity. Accordingly, no further DoD action is warranted at the L Concern – ACOR Tank Farm.

### **2. SUMMARY OF DECISION**

Based on the results of the 2016 Removal Action, USACE has determined that no further DoD action is required at the L Concern – Air Corps Operations Reserve (ACOR) Tank Farm, F10AK0606-06, and project closeout is protective of public health, welfare, and the environment.

This decision may be reviewed and modified in the future if any new information becomes available indicating the presence of eligible CON/HTRW that may cause an unacceptable risk, or pose an imminent and substantial endangerment, to human health or the environment.

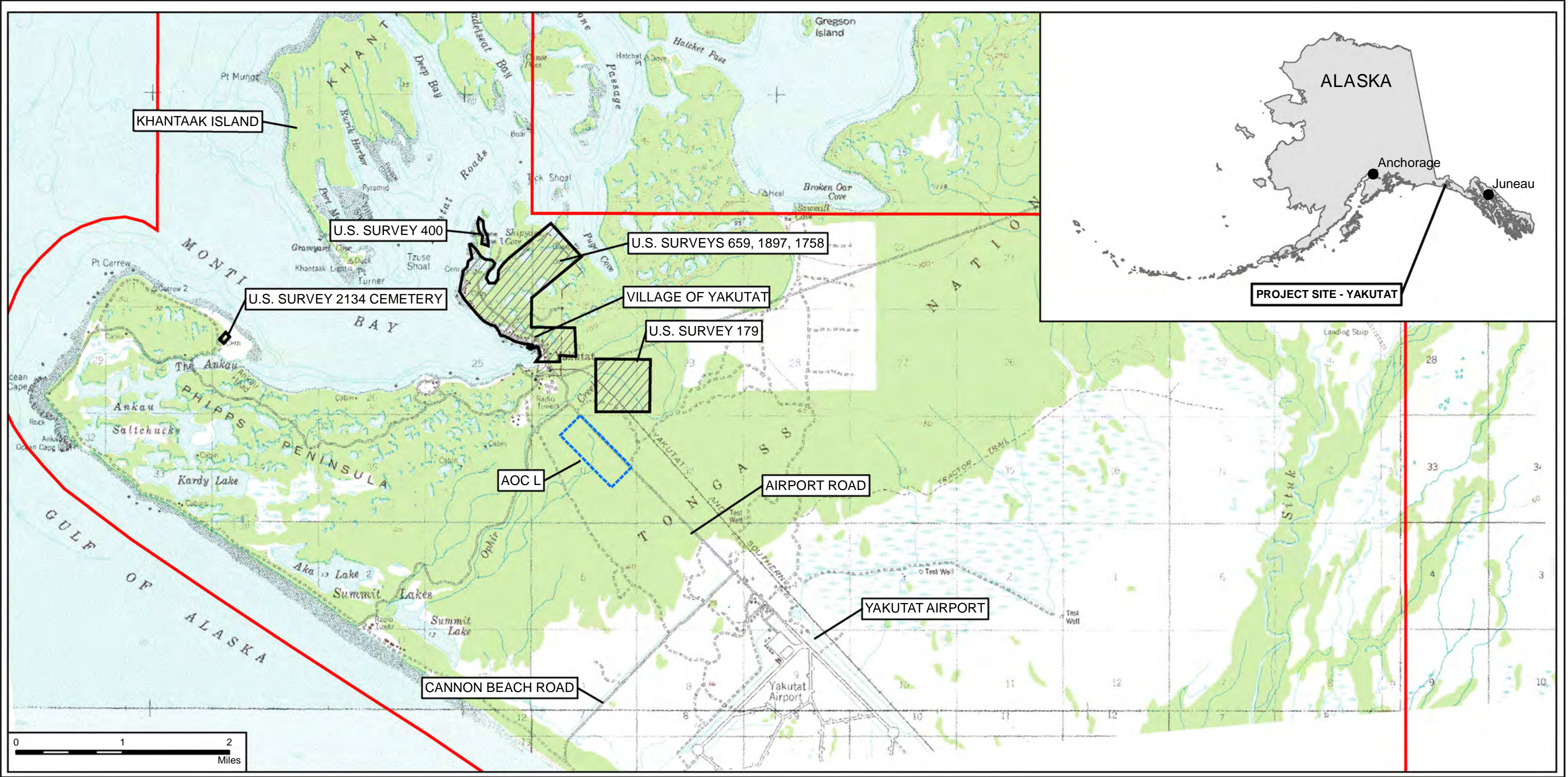
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## **FIGURES**

Document Path: O:\Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\ACOR Tank Farm\2.0 RA02.13 Removal Response Reports\2018 BSI RmA Report\_05000\_Supp\GIS\MXDs\_VERSION\_10\_00\_V2\YAK\_FIG\_1.mxd

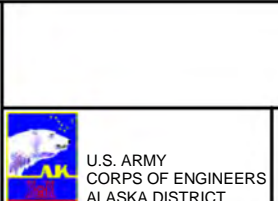


**REFERENCES**  
 BACKGROUND MAPS ARE USGS TOPOGRAPHIC MAPS:  
 YAKUTAT B-5, 1959, 1:63,360  
 YAKUTAT C-5, 1970, 1:63,360  
 YAKUTAT C-4, 1972, 1:63,360  
 YAKUTAT, ALASKA 1982, 1:250,000

**NOTES**  
 T. FUDS PROPERTY BOUNDARY IS BASED ON MAP TITLED "REAL ESTATE, YAKUTAT AIR BASE MILITARY RESERVATION" DATED 16 APRIL 1949.

**ACRONYMS AND ABBREVIATIONS**  
 USGS - U.S. GEOLOGICAL SURVEY

**LEGEND**  
 FUDS PROPERTY BOUNDARY  
 AREAS OF CONCERN  
 NonFUDS\_Prop

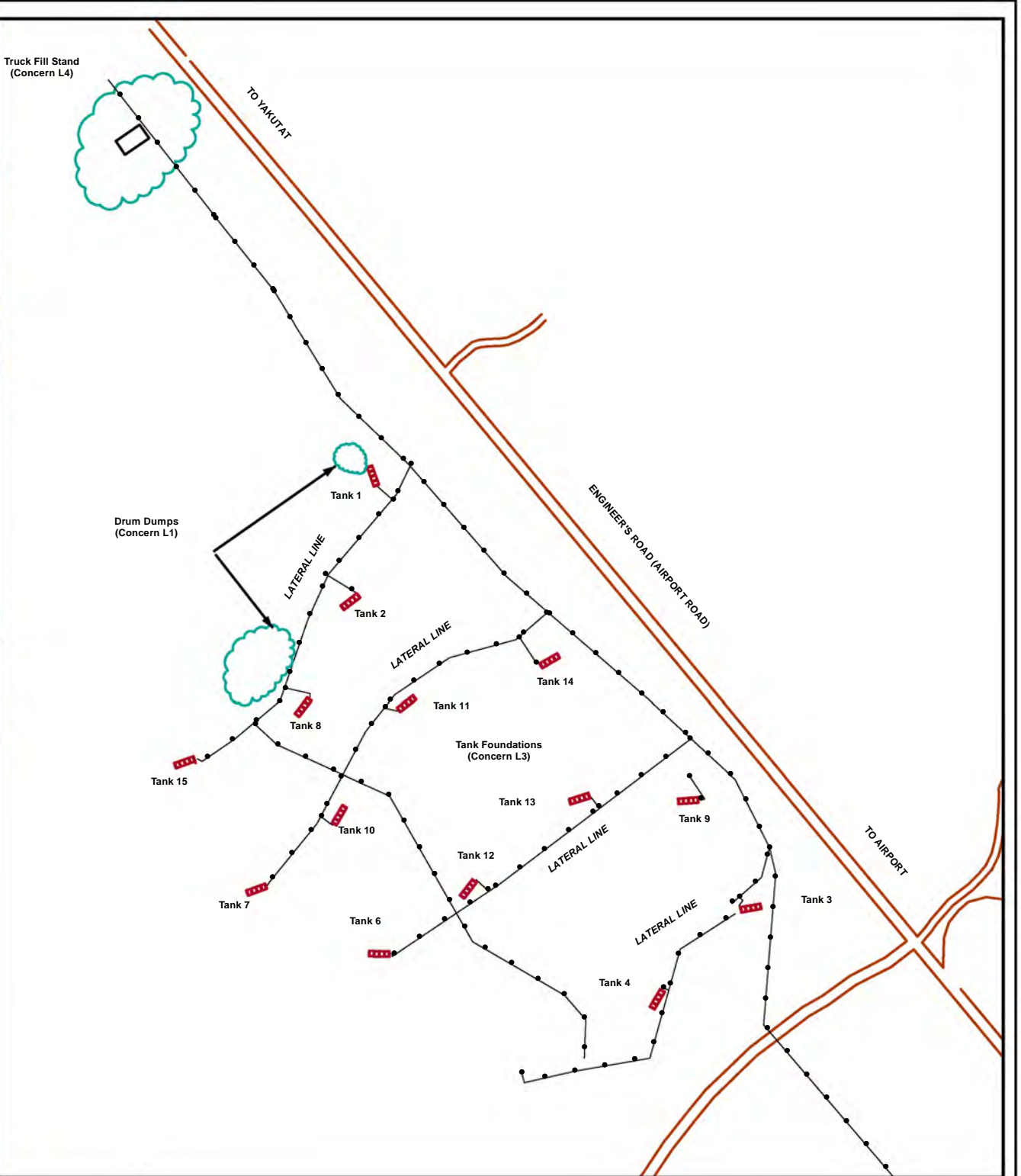
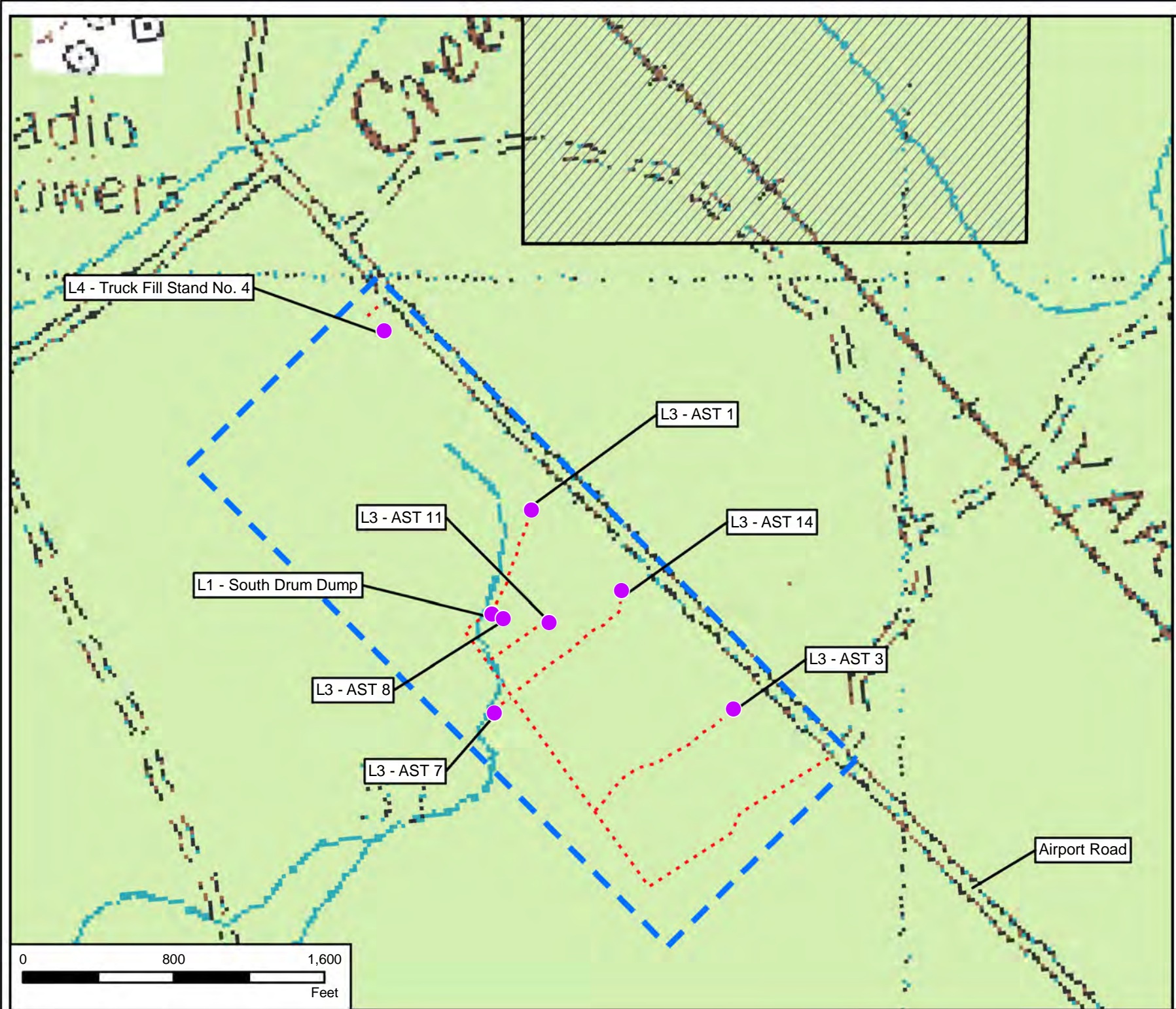


**LOCATION AND VICINITY MAPS**  
 YAKUTAT AIR BASE FUDS - F10AK0606  
 YAKUTAT, ALASKA

**FIGURE 1**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983

Document Path: O:\\_Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06 L Concern\ACOR Tank Farm\2.0 RA02.13 Removal Response Reports\2016 BSI Rm\Report\_0500\_Supp\GIS\MXD\VERSION\_10\_00\_V2\YAK\_FIG\_2\_SITE\_PLAN\_L\_CONCERN.mxd



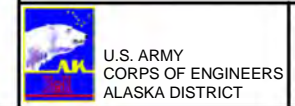
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 YAKUTAT B-5, 1959, 1:63,360  
 YAKUTAT C-5, 1970, 1:63,360  
 YAKUTAT C-4, 1972, 1:63,360  
 YAKUTAT, ALASKA 1982, 1:250,000

**ACRONYMS AND ABBREVIATIONS**  
 USGS - U.S. GEOLOGICAL SURVEY  
 AST - ABOVE GROUND STORAGE TANK

- LEGEND**
- SITE LOCATION
  - ⋯ HAUL ROAD AND SPURS
  - NON-FUDS PARCELS
  - AOC L
  - DRUM DUMPS
  - TANKS
  - 1946 GAS PIPELINE
  - 1946 ROADS



**SITE PLAN - CONCERN L - FORMER AIR CORPS OPERATIONS RESERVE TANK FARM**



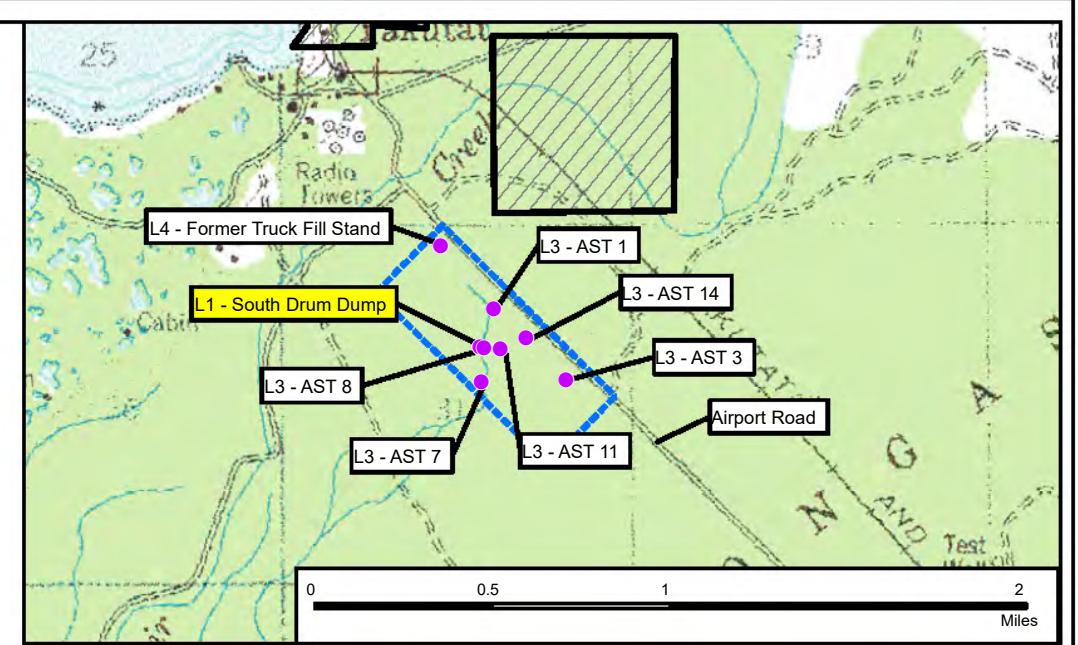
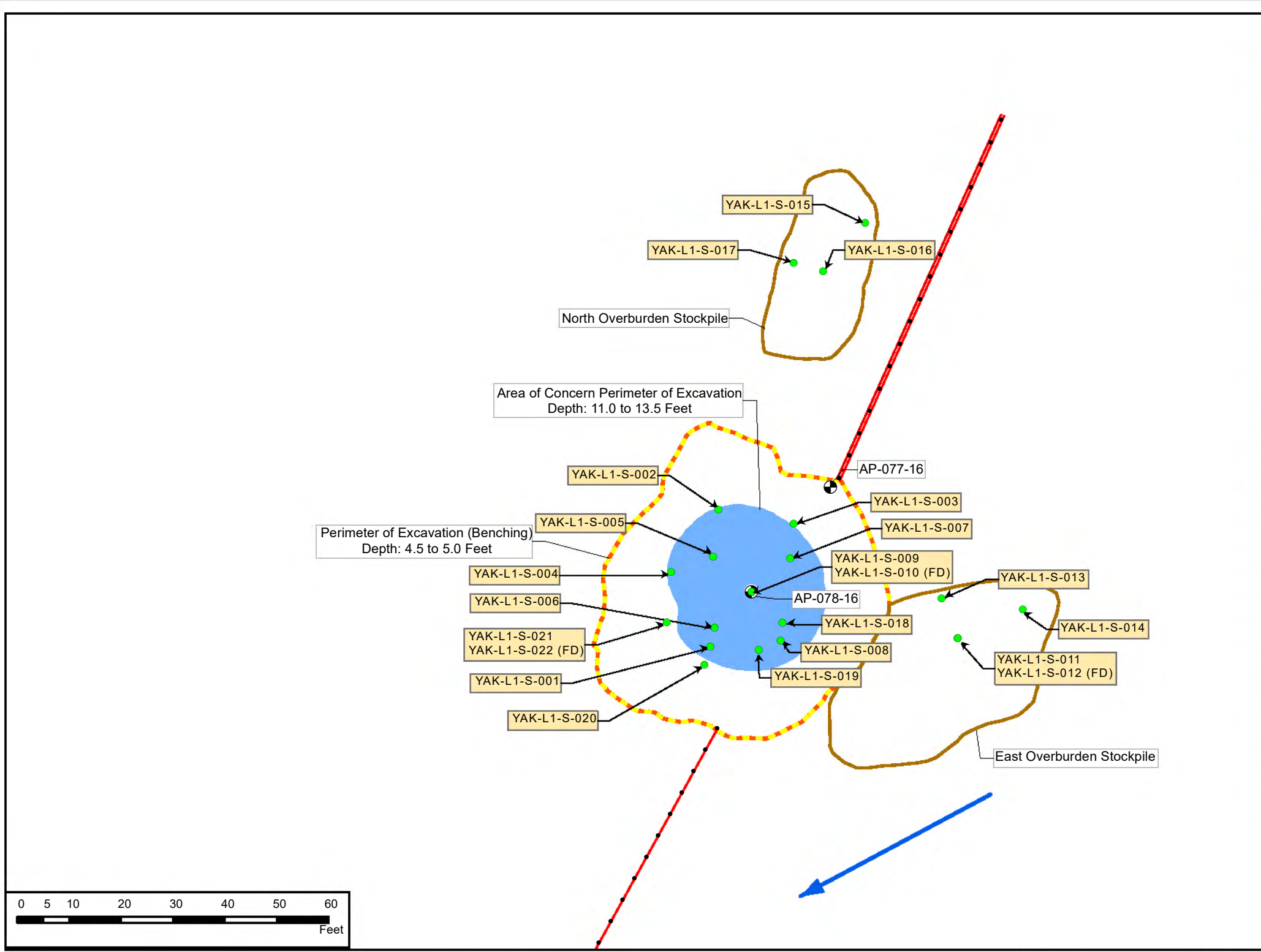
YAKUTAT AIR BASE - F10AK0606-06  
 YAKUTAT, ALASKA

**FIGURE 2**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983



Document Path: O:\\_Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06 L Concern\ACOR Tank Farm\2.0 RAU\2.13 Removal Response Reports\2018 BSI RmA Report\_0500\_Supp\GIS\MXDs\_VERSION\_10\_00\_V2\YAK\_FIG\_3\_CONCERN\_L1\_SDD\_REV1a\_2005SCALE.mxd



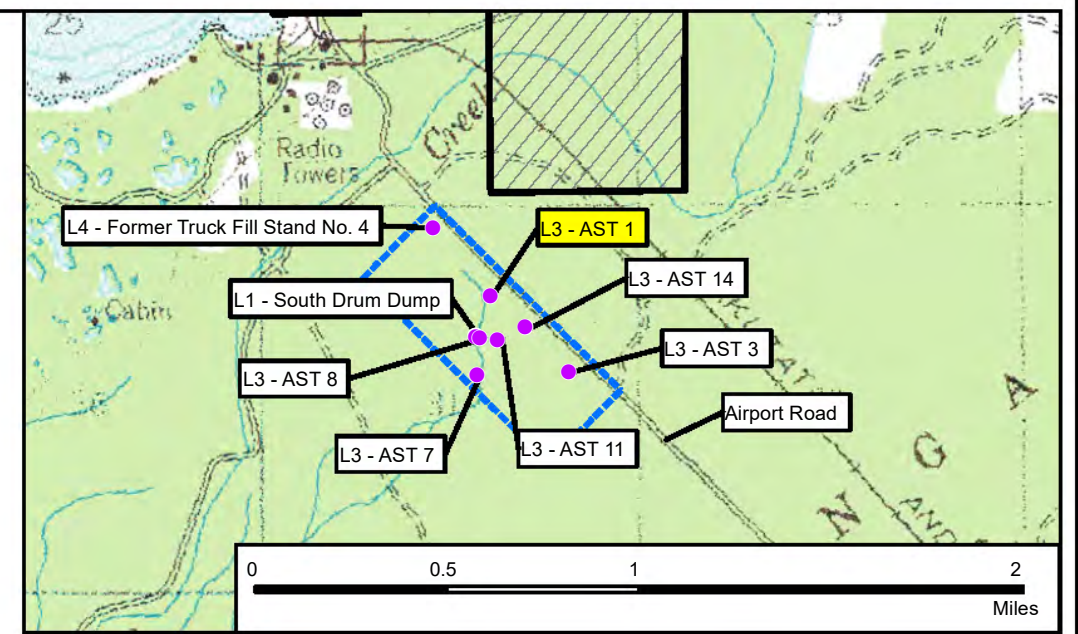
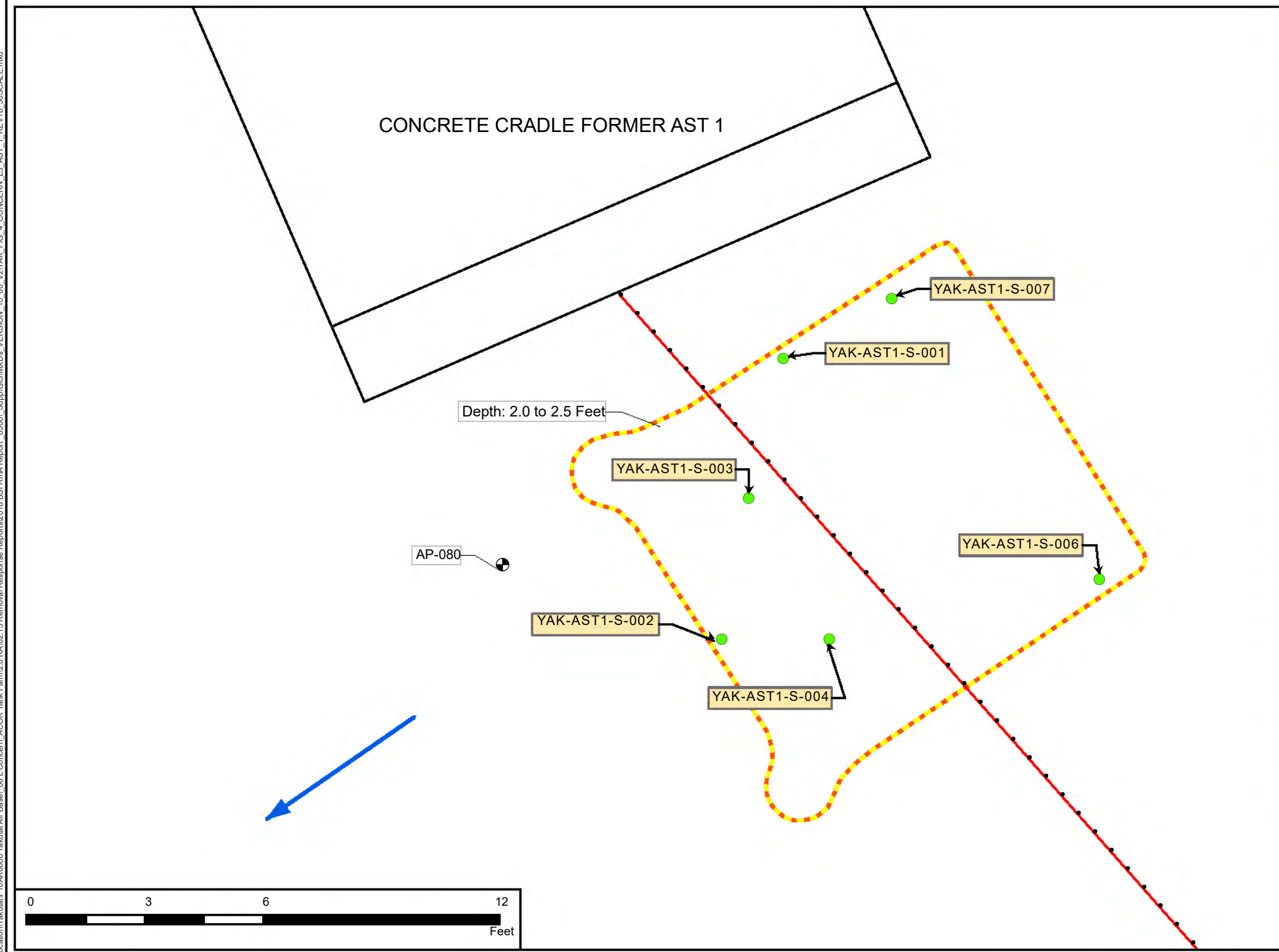
Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)**  
**2018 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)**  
 mg/kg = milligrams/kilogram

Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs

<b>LEGEND</b> 2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS ● BELOW CLEANUP LEVEL ◻ PERIMETER OF EXCAVATION ■ WATER	⚡ FUEL LINE DECOMMISSIONED IN PLACE ⚡ FUEL LINE REMOVED (2004) ● MONITORING WELL LOCATION ← APPROXIMATE GROUNDWATER FLOW DIRECTION NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES		<b>CONCERN L1 - FORMER SOUTH DRUM DUMP</b>
U.S. ARMY CORPS OF ENGINEERS ALASKA DISTRICT		YAKUTAT AIR BASE - F10AK0606-06 YAKUTAT, ALASKA	<b>FIGURE 3</b>

Document Path: O:\Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06 L Concern ACOR Tank Farm\2.0 RA\02.13 Removal Response Reports\2018 BSI Rm\Report\_05000\_Supp\GIS\MXD's VERSION\_10\_00\_V2\YAK\_FIG\_4 CONCERN L3\_AST\_1\_REV1b\_30SCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)  
**2018 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)  
 mg/kg = milligrams/kilogram

Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs

- LEGEND**
- 2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS
  - BELOW CLEANUP LEVEL
  - PERIMETER OF EXCAVATION
  - ~ FUEL LINE REMOVED (2004)
  - ⊙ MONITORING WELL LOCATION
  - ← APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES



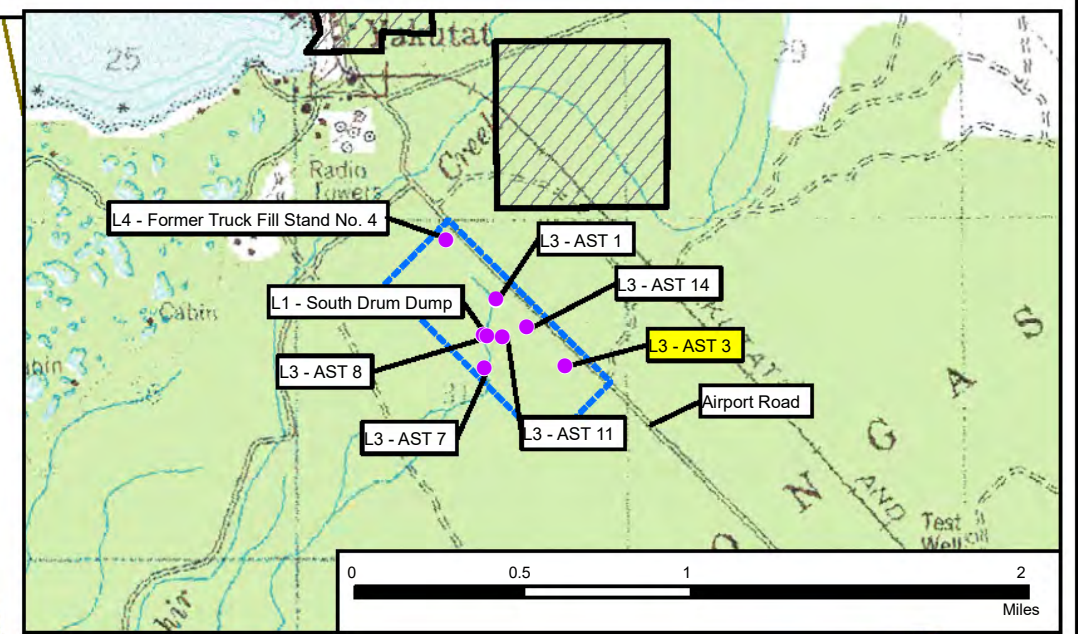
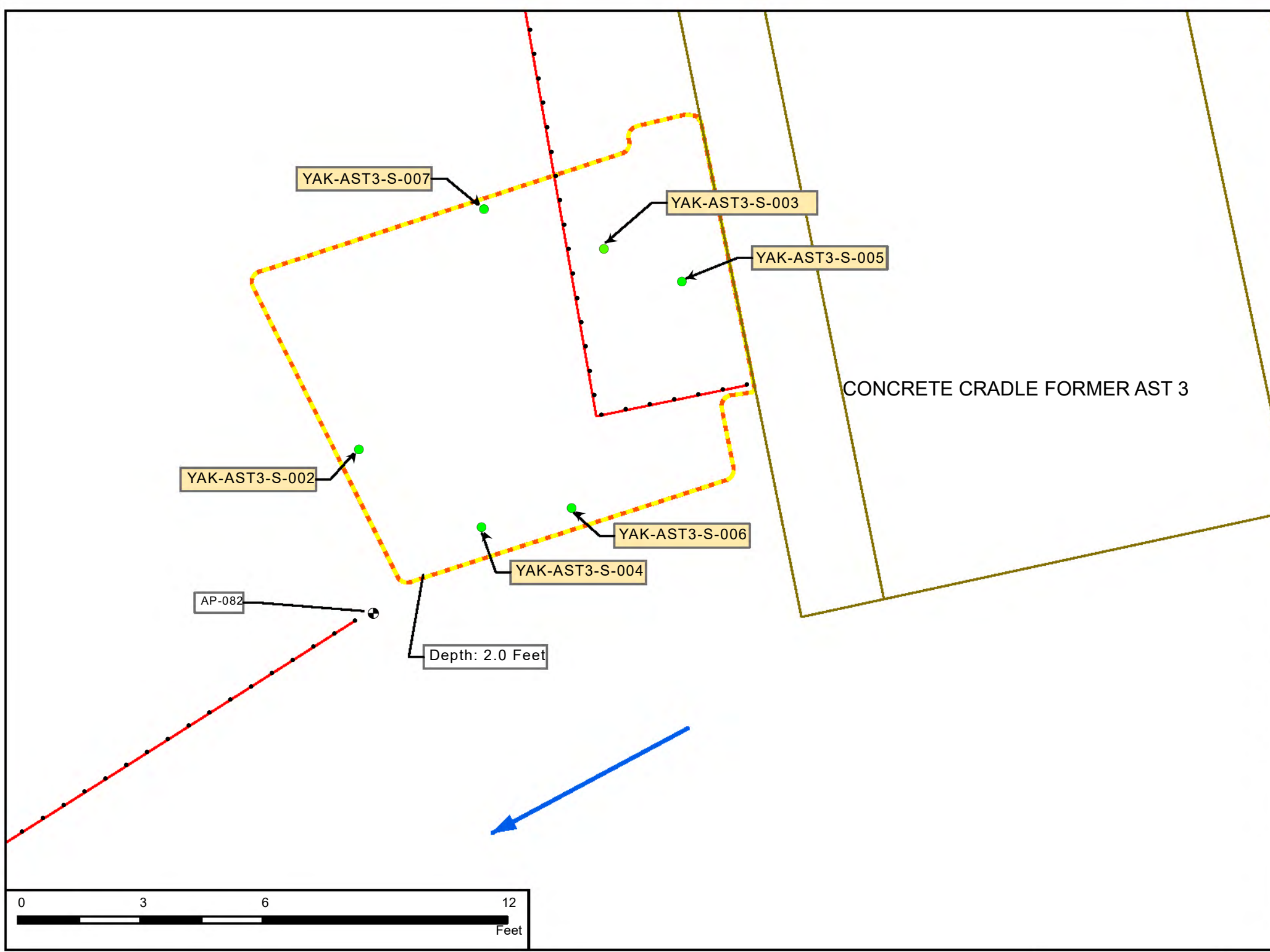
**CONCERN L3 - FORMER AST 1**

YAKUTAT AIR BASE - F10AK0606-06  
YAKUTAT, ALASKA

**FIGURE 4**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983

Document Path: O:\Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06 L Concern\ACOR Tank Farm\2.0 RA02.13 Removal Response Reports\2018 BSI Rm A Report\_05001\_SuppGISMXDs\_VERSION 10.00\_V2YAK FIG 5 CONCERN L3\_AST\_3\_REV1b\_35SCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)  
**2018 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)  
 mg/kg = milligrams/kilogram

Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs

**LEGEND**  
 2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS  
 ● BELOW CLEANUP LEVEL  
 ⊕ MONITORING WELL LOCATION

FUEL LINE REMOVED (2004)  
 PERIMETER OF EXCAVATION  
 APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES



**CONCERN L3 - FORMER AST 3**

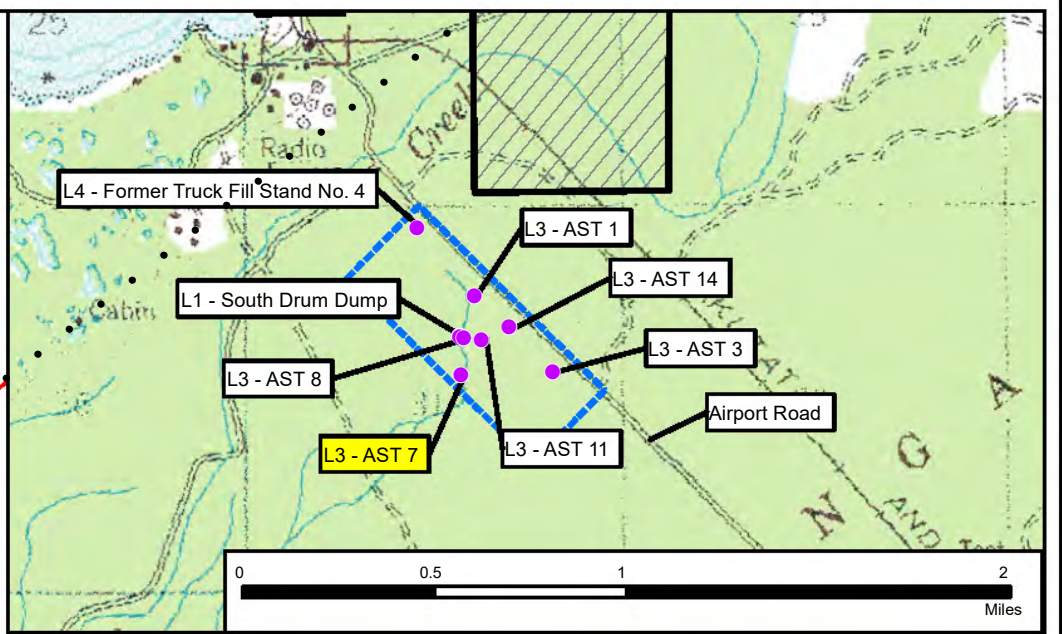
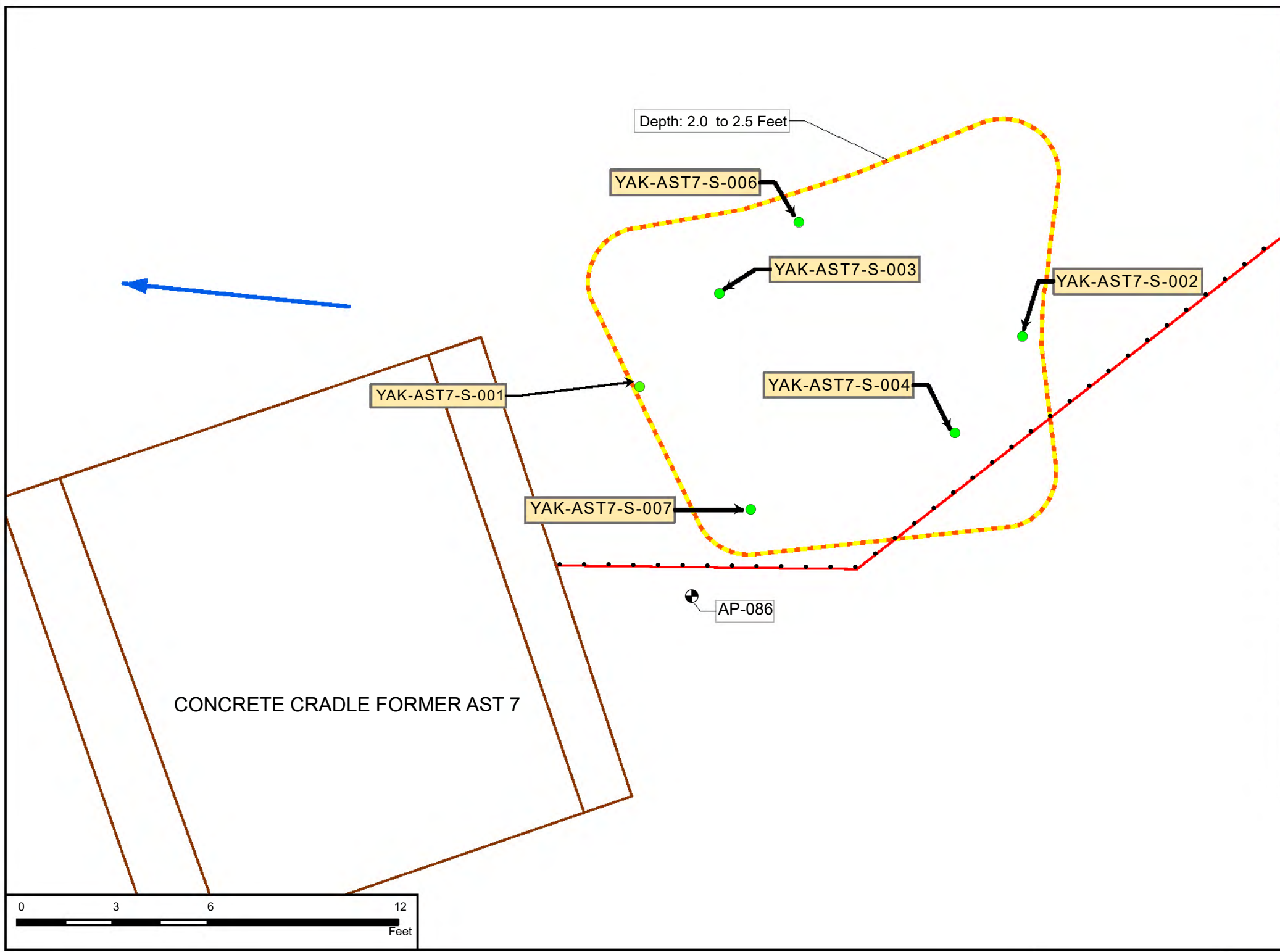


YAKUTAT AIR BASE - F10AK0606-06  
 YAKUTAT, ALASKA

**FIGURE 5**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983

Document Path: C:\\_Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06 L Concern ACOR Tank Farm\2.0 RAI\02.13 Removal Response Reports\2018 BSI Rm A Report\_05001\_Supp\GIS\MXD's\_VERSION\_10\_00\_V2\YAK\_FIG\_6\_CONCERN\_L3\_AST\_7\_REV1b\_45SCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)**  
**2018 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)**  
 mg/kg = milligrams/kilogram

Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs

**LEGEND**

2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS

- BELOW CLEANUP LEVEL
- MONITORING WELL LOCATION
- PERIMETER OF EXCAVATION
- FUEL LINE REMOVED (2004)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES

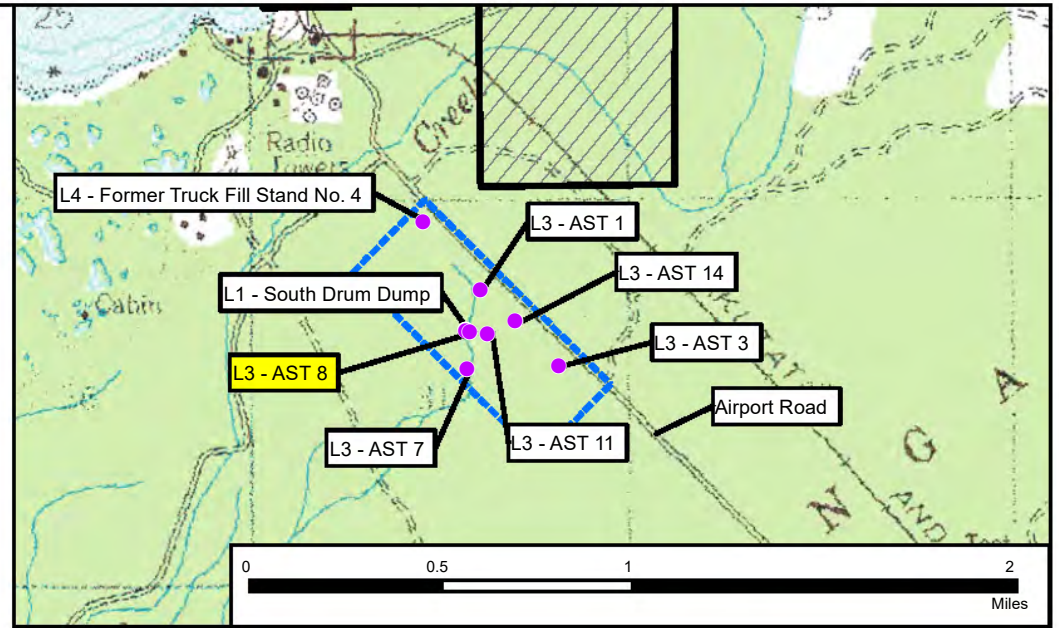
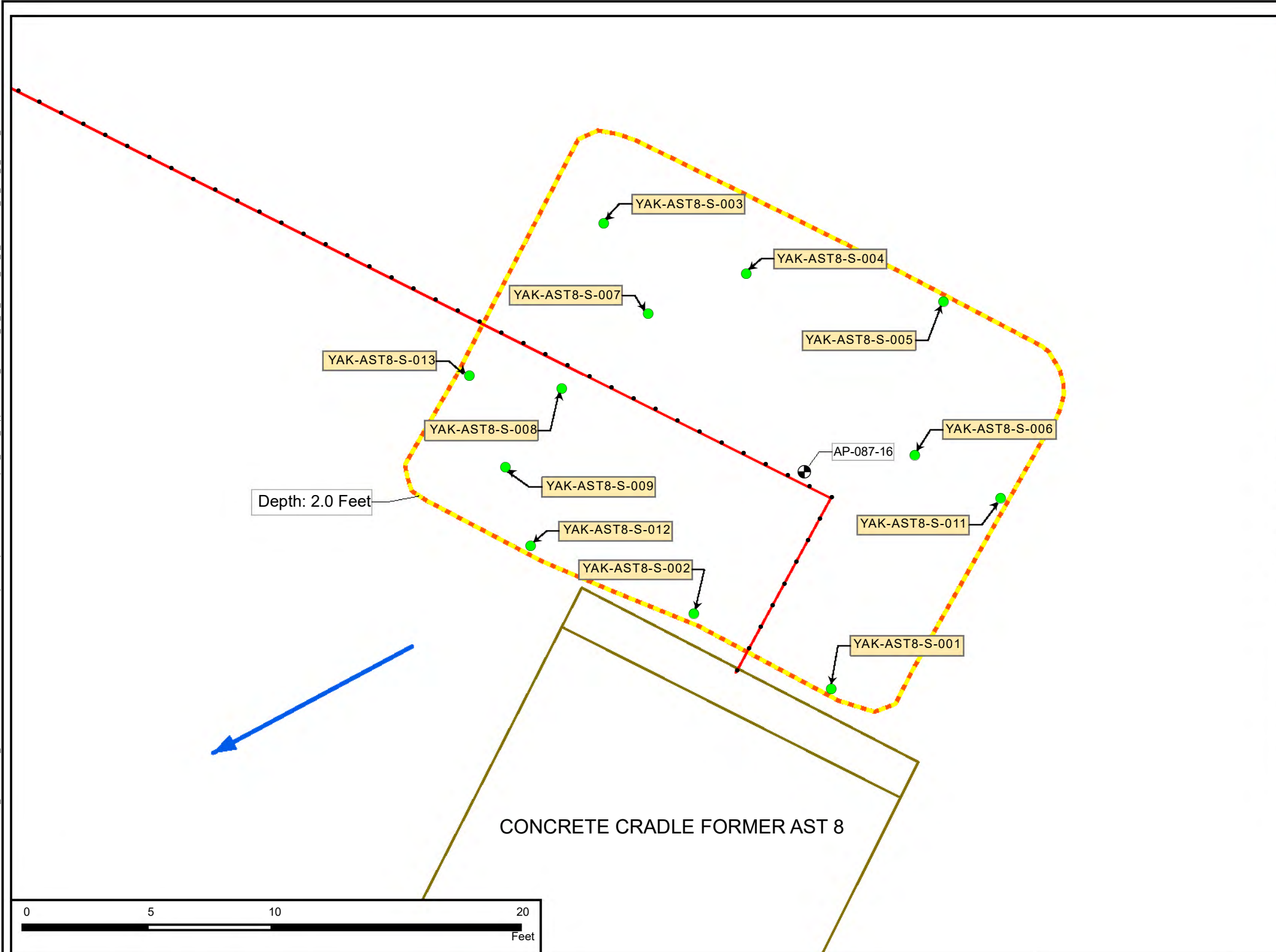
**CONCERN L3 - FORMER AST 7**

U.S. ARMY  
CORPS OF ENGINEERS  
ALASKA DISTRICT

YAKUTAT AIR BASE - F10AK0606-06  
YAKUTAT, ALASKA

**FIGURE 6**

Document Path: O:\Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06\_L\_Concern.ACOR Tank Farm\2.0 RA02.13 Removal Response Reports\2018 BSI Rm A Report\_0500\_Suppl\GIS\MXDs\_VERSION 10.00\_V2\YAK\_FIG 7\_CONCERN L3\_AST 8\_REV 1b\_57SCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)**  
**2018 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)**  
 mg/kg = milligrams/kilogram

Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs

**LEGEND**

● 2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS	● BELOW CLEANUP LEVEL	— FUEL LINE REMOVED (2004)	⊕ MONITORING WELL LOCATION
□ PERIMETER OF EXCAVATION	← APPROXIMATE GROUNDWATER FLOW DIRECTION	NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES	

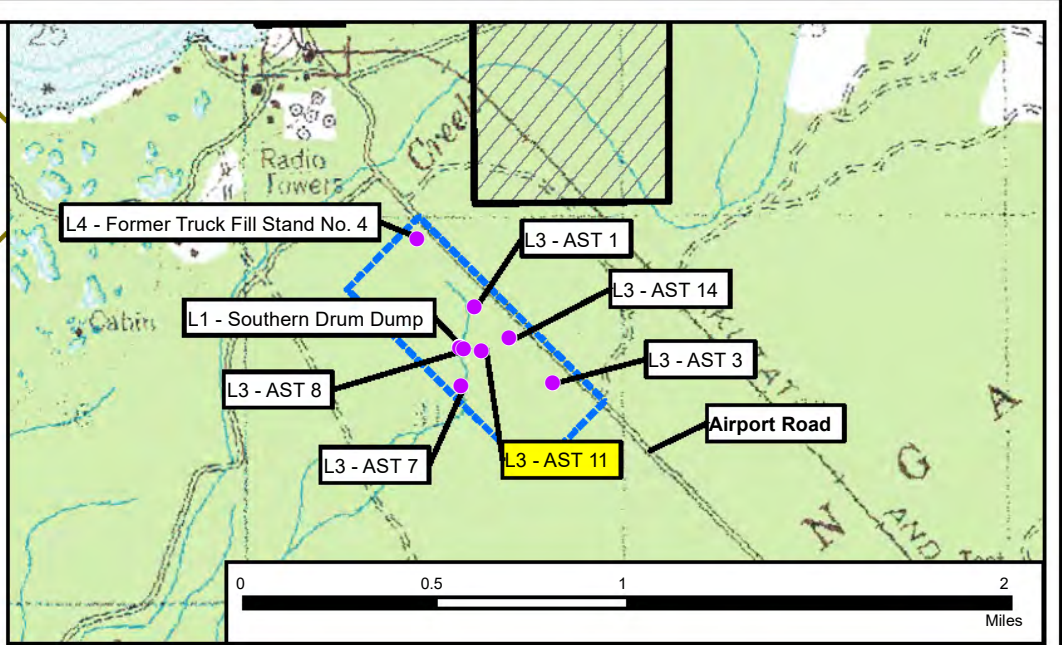
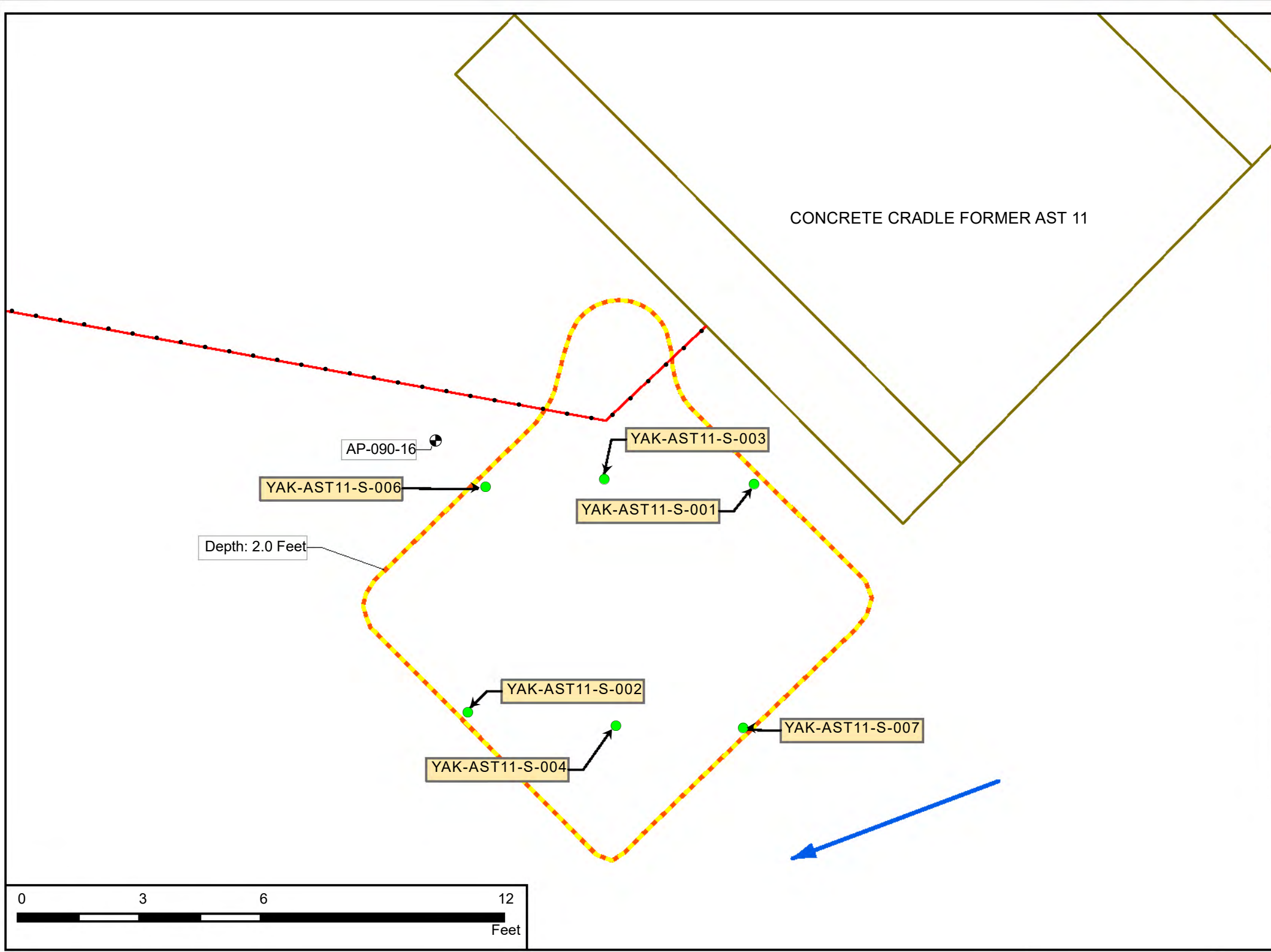


**CONCERN L3 - FORMER AST 8**

 U.S. ARMY CORPS OF ENGINEERS ALASKA DISTRICT	YAKUTAT AIR BASE - F10AK0606-06 YAKUTAT, ALASKA	<b>FIGURE 7</b>
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Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983

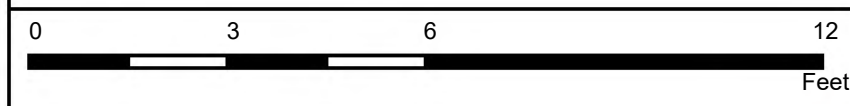
Document Path: O:\Projects by Location\Yakutat\F10AK0606\_Yakutat Air Base\06\_L\_Concern\_ACOR Tank Farm\2.0\_RA02\_13 Removal Response Reports\2018 BSI Rm A Report\_0500\_Suppl\GIS\MXDs\_VERSION 10.00\_V2YAK\_FIG.8\_CONCERN L3\_AST.11\_REV1b\_35SCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)  
**2018 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)  
 mg/kg = milligrams/kilogram

Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs



**LEGEND**

● 2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS	● BELOW CLEANUP LEVEL	— FUEL LINE REMOVED (2004)
■ PERIMETER OF EXCAVATION	● MONITORING WELL LOCATION	← APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES

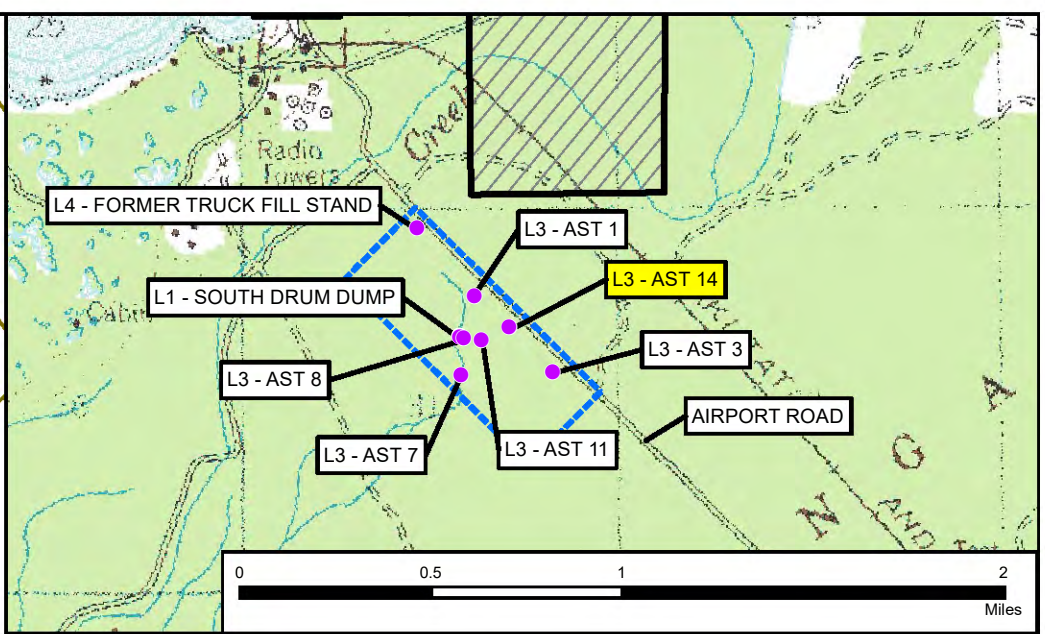
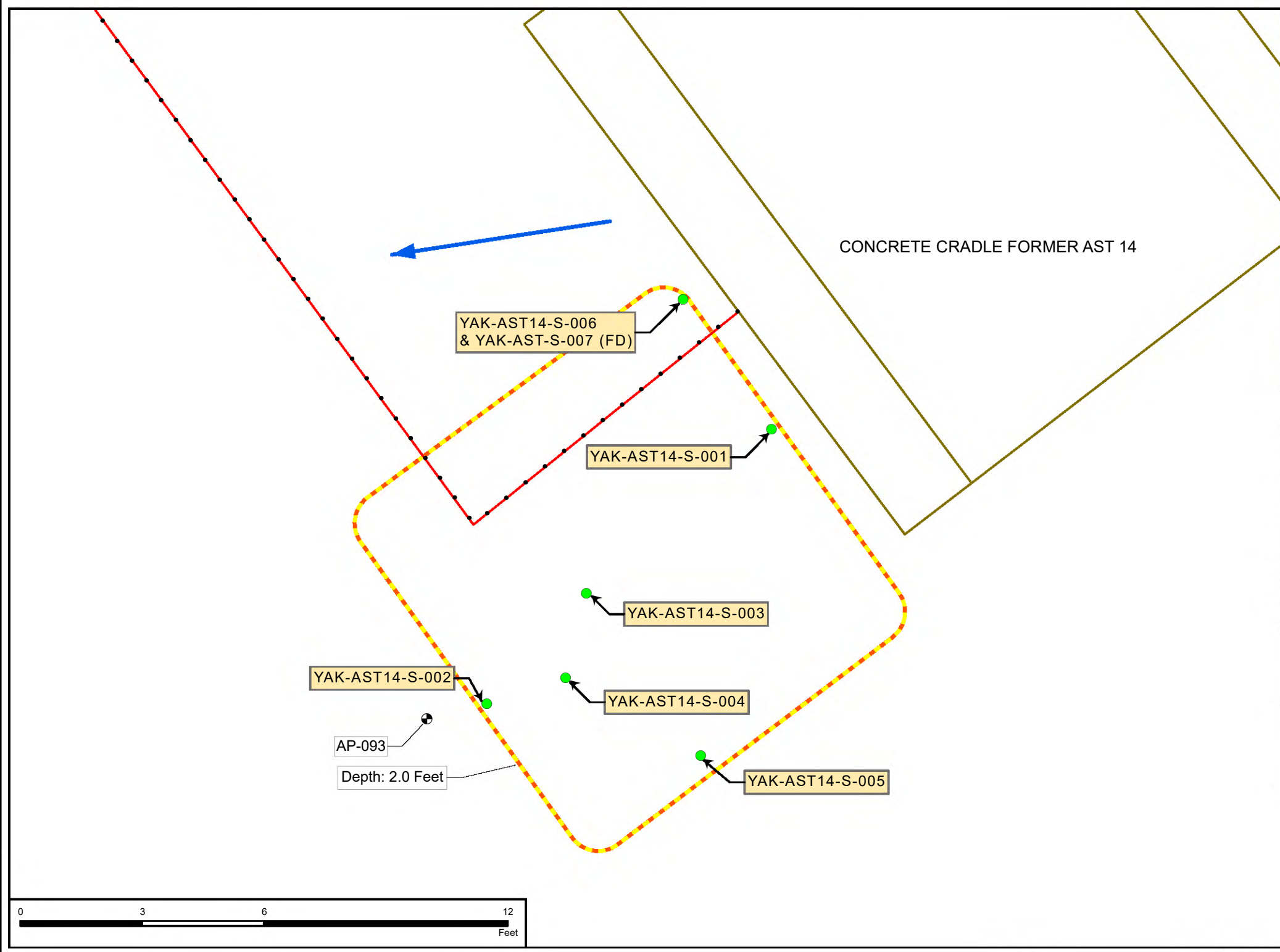
**CONCERN L3 - FORMER AST 11**

YAKUTAT AIR BASE - F10AK0606-06  
YAKUTAT, ALASKA

**FIGURE 8**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983

Document Path: O:\Projects by Location\Yakutat\F10AK0606 Yakutat Air Base\06 L Concern\ACOR Tank Farm\2.0 RA\02.13 Removal Response Reports\2018 BSI Rm A Report\_05001\_Supp\GIS\MXDs\_VERSION 10\_00\_V2\YAK\_FIG\_9\_CONCERN L3\_AST\_14\_REV1b\_3SSCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)**  
**2018 CUL = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)**  
 mg/kg = milligrams/kilogram

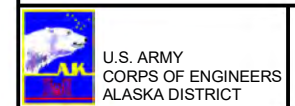
Notes:  
 1. Sampling locations denoted green = achieved 2008 and 2018 CULs

**LEGEND**  
 2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS

- BELOW CLEANUP LEVEL
- PERIMETER OF EXCAVATION

- FUEL LINE REMOVED (2004)
- MONITORING WELL LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES



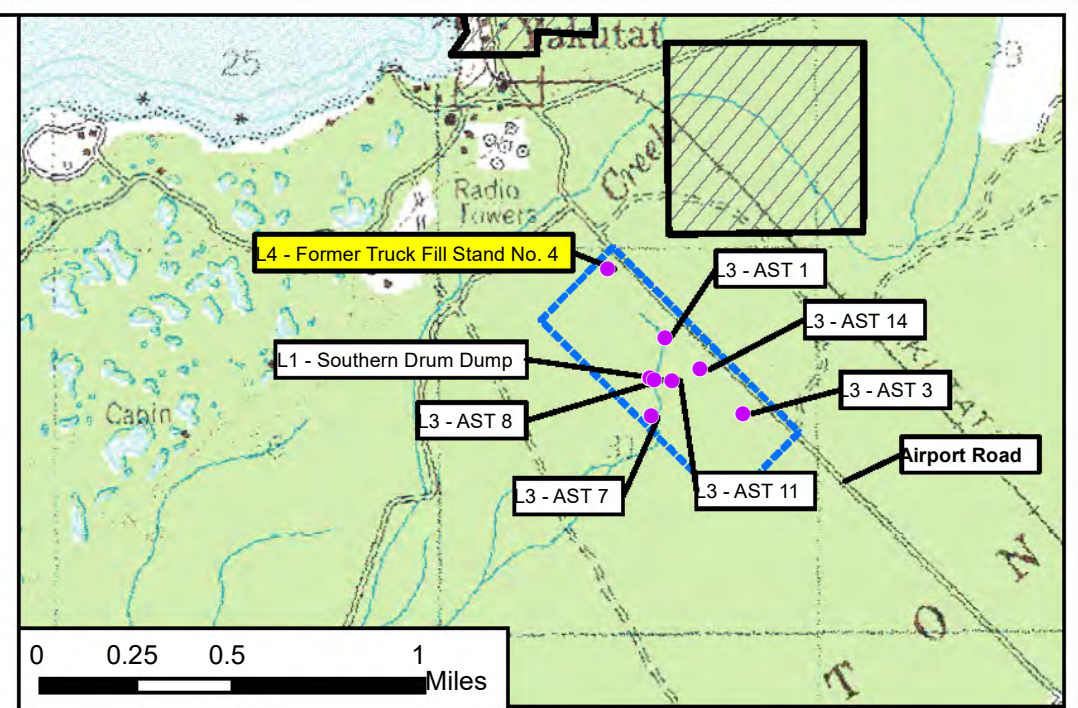
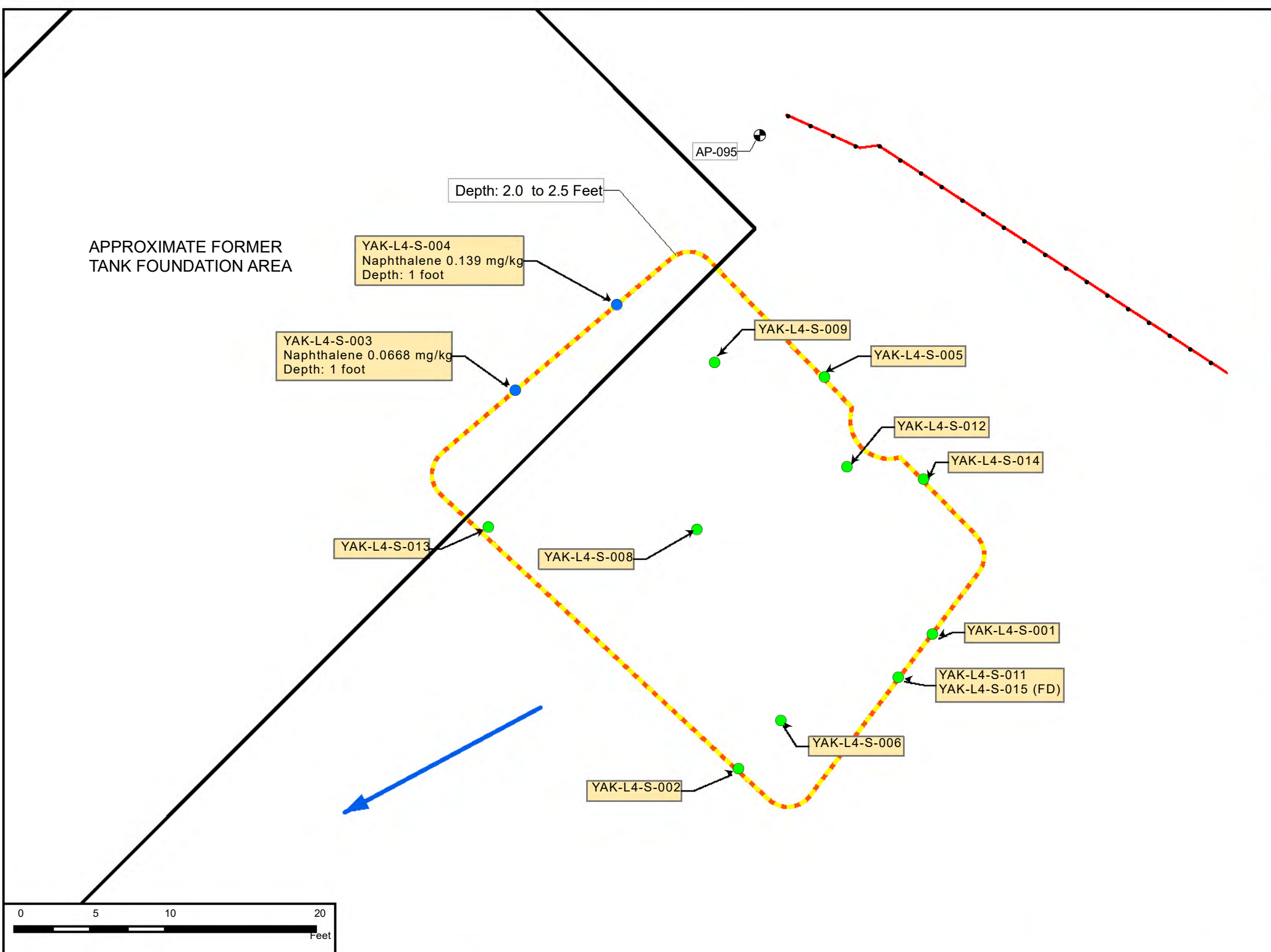
**CONCERN L3 - FORMER AST 14**

YAKUTAT AIR BASE - F10AK0606-06  
 YAKUTAT, ALASKA

**FIGURE 9**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983

Document Path: C:\Projects\by\Location\Yakutat\F10AK0606\Yakutat Air Base - ACOR Tank Farm\2.0\RA02.13 Removal Response Reports\2018 BSL Rm4 Report\_05001\_Summary\XMDs\_VERSION\_10.00\_V2\YAK FIG 10\_CONCERN L4\_TES\_REV1b\_95SCALE.mxd



Contaminants of Concern Cleanup Levels (CULs)			
ANALYTE	UNITS	2008 CUL	2018 CUL
Gasoline Range Organics	mg/kg	260	260
Benzo(a)anthracene	mg/kg	0.36	0.70
Benzo(a)pyrene	mg/kg	0.4	1.20
Benzene	mg/kg	0.025	0.022
Naphthalene	mg/kg	19	0.038
Toluene	mg/kg	6.5	6.7

**2008 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2008)  
**2018 CUL** = ADEC 18 AAC 75 Table B1. Method Two Soil CUL (ADEC 2018)  
 mg/kg = milligrams/kilogram

Notes:

1. Sampling locations denoted green = achieved 2008 and 2018 CULs
2. Sampling locations denoted light blue = achieved 2008 CUL but contain one or more constituents above 2018 CULs

**LEGEND**

2016 SOIL SAMPLE LOCATIONS AND CHEMICAL CONCENTRATIONS

- BELOW CLEANUP LEVEL
- ABOVE 2018 CLEANUP LEVEL
- PERIMETER OF EXCAVATION
- FUEL LINE REMOVED (2004)
- MONITORING WELL LOCATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTE - CHEMICALS TESTED, SEE APPENDIX F: CHEMICAL DATA TABLES

**CONCERN L4 - FORMER TRUCK FILL STAND NO. 4**

N

U.S. ARMY  
CORPS OF ENGINEERS  
ALASKA DISTRICT

YAKUTAT AIR BASE - F10AK0606-06  
YAKUTAT, ALASKA

**FIGURE 10**

Coordinate System: NAD 1983 StatePlane Alaska 1 FIPS 5001 Feet, Projection: Hotine Oblique Mercator Azimuth Natural Origin, Datum: North American 1983



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THE STATE  
of **ALASKA**  
GOVERNOR MIKE DUNLEAVY

**Department of  
Environmental Conservation**

DIVISION OF SPILL PREVENTION AND RESPONSE  
Contaminated Sites Program

555 Cordova Street  
Anchorage, AK 99501  
Main: 907-269-0298  
Fax: 907-269-7687  
www.dec.alaska.gov

File: 1530.38.011

July 30, 2020

Christy Baez  
U.S. Army Corps of Engineers  
P.O. Box 6898  
Elmendorf AFB, AK 99506-6898

Re: **“Declaration of Project Closeout Decision for Yakutat Air Base Formerly Used Defense Site CON/HTRW Project F10AK0606-06 L Concern – Air Corps Operations Reserve (ACOR) Tank Farm Yakutat, Alaska” dated May 2020**

Dear Ms. Baez:

The Alaska Department of Environmental Conservation (ADEC) Contaminated Sites Program received a copy of the above referenced document on May 01, 2020. The ADEC Contaminated Sites Program agrees that this project closure is consistent with state investigation and cleanup requirements listed in 18 AAC 75. This decision may be reviewed and modified in the future if information becomes available that indicates an unacceptable risk to human health or the environment associated with the project.

Please submit the final signed closeout report.

If you have questions about this closure decision, please contact Rachael Petraeus at (907) 269-7520 or email at rachael.petraeus@alaska.gov.

Sincerely,

A handwritten signature in blue ink that reads "Rachael Petraeus".

Rachael Petraeus  
Project Manager

cc: Melinda Brunner, ADEC

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**DECLARATION OF PROJECT CLOSEOUT DECISION**  
**For**  
**CON/HTRW Project F10AK0606-06**  
***L Concern – Air Corps Operations Reserve (ACOR) Tank Farm***  
**Yakutat Air Base Formerly Used Defense Site**  
**Yakutat, Alaska**

**STATEMENT OF BASIS**

The Authority for the Defense Environmental Restoration Program for Formerly Used Defense Sites (DERP-FUDS), 10 U.S.C. § 2701-2707, is the Defense Environmental Restoration Account, 10 U.S.C. § 2703. The DERP-FUDS authorizes the cleanup of contamination resulting from past military activities at sites that were owned by, leased to, or otherwise possessed by the United States and under the jurisdiction of the Secretary of Defense at the time of the release of contamination, but transferred from DoD's jurisdiction by 17 October 1986. A hazardous, toxic, and radioactive waste (HTRW) project (F10AK0606-02) was authorized for the Yakutat Air Base property (F10AK0606) in 1995 after completing a Findings and Determination of Eligibility (FDE). The results of the FDE indicated that the Yakutat Air Base property met the eligibility requirements for inclusion in the DERP-FUDS program. In 2015, a revised Inventory Project Report (INPR) was completed to delineate the existing -02 HTRW project into multiple containerized hazardous, toxic, and radioactive waste (CON/HTRW) projects (F10AK0606-04 through -07). The CON/HTRW project -06 for the L Concern – Air Corps Operations Reserve (ACOR) Tank Farm, was created during this delineation and authorized in 2015.

The CON/HTRW Project F10AK0606-06 has been recommended for site closeout by the United States Army Corps of Engineers, Alaska District (USACE) based on the conclusions of the 2018 removal action report that all contaminated soils above the ADEC cleanup levels (CULs) were removed and backfilled with clean soil with one noted exception. There remains a de minimis amount of soil exceeding the current ADEC (2018) CULs for naphthalene, but the site no longer contains contamination at levels posing an imminent and substantial endangerment to human health or the environment. This Project Closeout Report is issued by USACE pursuant to ER 200-3-1, paragraph 4-7.4.1.1.

**SITE DESCRIPTION AND HISTORY**

Yakutat is located approximately 225 miles northwest of Juneau and 380 miles southeast of Anchorage, Alaska. The former ACOR Tank Farm is located southwest of Airport Road (Engineers Road), approximately 2 miles north of the Yakutat airport. The site's approximate centroid location is 59.533421 degrees North Latitude, -139.720512 degrees West Longitude; Section 31, Township 27 South, Range 34 East, Copper River Meridian, on land owned by the Alaska Mental Health Trust Land Office.

Fifteen aboveground petroleum storage tanks and the associated pipeline system were built as part of the Air Corps Tactical Gas System during World War II and held nearly 750,000 gallons of fuel. Yakutat Army Air Base maps indicate that the fuel tanks were supported by concrete "saddles" and were connected by service lines to pipeline system lateral lines. The lateral lines were connected by a drainage lateral that drained toward a pump house located near the center of

the tank farm. The pump house was at the low point of the tank farm and drained all lateral lines. The piping system was buried in trenches, generally 2 to 5 feet below ground surface (bgs). (Figure 05)

Historical property disposal documents indicate that the 15 tanks (1301-1315) at the ACOR Tank Farm were leased by the Army to Standard Oil Company in 1947. The tanks were removed from the site and relocated to the east of the Army Dock Diesel Oil Tank Farm, at what is now the present day Delta Western tank farm. The concrete tank saddles remained at the site. The ACOR piping system was removed by USACE during the 2003 and 2008 field seasons.

Multiple remedial actions were undertaken to achieve closure for this project site. The first action by USACE was a remedial investigation (RI) which detected contamination in the soil and groundwater and determine gasoline was still in the tank farm pipelines. A 2003 removal action (RA) was conducted to remove the gasoline and pipelines and pig any pipeline that was inaccessible. To delineate the contaminated soil and groundwater, RIs were performed in 2004 and 2005. Additional pipeline was discovered during the 2003 RA and this was removed in 2008. The CON/HTRW project, consisting of the tank farm fuel system and pipelines was closed out in 2009. The contaminated soil was removed in 2016 and results captured in the February 2018 report. With the completion of the soil removal the protection of human health and environment was achieved.

The February 2018, Final Removal Action Report CON/HTRW for Concern L (USACE 2018) states: “At AOC L, the Work Plan objectives were met. All contaminated soils above the 2008 CULs were removed and backfilled with clean soil. In November 2016, after the removal action was complete, ADEC reduced the CUL for benzo(a)pyrene from 0.4 mg/kg to 0.17 mg/kg (ADEC 2016b). As a result, there are now four slight exceedances of benzo(a)pyrene in the soil below the backfilled areas ranging from 0.172 to 0.35 mg/kg. These exceedances were scattered and isolated throughout AOC L and are thought to be de minimis. Confirmation soil samples collected from AOC L excavation floors and sidewalls fully characterized in situ conditions relative to the presence and concentration of identified COCs.”

## **DESCRIPTION OF THE DECISION**

Based on the conclusions in the 2018 Removal Action Report that the site no longer contains contamination at levels posing an imminent and substantial endangerment to human health or the environment, USACE has determined that no further action is required at the *L Concern – Air Corps Operations Reserve (ACOR) Tank Farm*, F10AK0606-06 project. The ADEC reviewed the report of the 2016 RA, which was finalized in 2018, and concurred with the report’s conclusions and recommendations. USACE received ADEC concurrence with this project closeout decision on 30 July 2020.

## **DECLARATION**

In accordance with the Defense Environmental Restoration Program for Formerly Used Defense Sites, the U.S. Army Engineer District, Alaska, has completed all CON/HTRW activities associated with the *L Concern – Air Corps Operations Reserve (ACOR) Tank Farm*, F10AK0606-06 in Yakutat, Alaska. This Declaration of Project Closeout Decision supports the conclusion that no sources of CON/HTRW are present at levels that pose an imminent and substantial endangerment to human health or the environment. This decision may be reviewed and modified in the future if any

new information becomes available which indicates the presence of eligible CON/HTRW that may pose an unacceptable risk, or an imminent and substantial endangerment, to human health or the environment.

This Declaration of Project Closeout Decision has been prepared and approved by the undersigned in accordance with the FUDS Program Policy, Engineer Regulation 200-3-1, May 10, 2004.

\_\_\_\_\_ Date \_\_\_\_\_

DAMON A. DELAROSA  
COL, EN  
Commanding



DEPARTMENT OF THE ARMY  
ALASKA DISTRICT, U.S. ARMY CORPS OF ENGINEERS  
P.O. BOX 6898  
JBER, AK 99506-0898

CEPOA-DE

17 August 2020

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Assumption of Command

1. Reference: Para 2-8a (1), AR600-20.
2. The undersigned assumes command of the U.S. Army Engineer District, Alaska, Corps of Engineers (W2SN04/W07304), as Acting Commander during the temporary absence of the regularly assigned Commander from 17-21 August 2020.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke.

PENNY M. BLOEDEL  
LTC, EN  
Commanding

Distribution:  
CEPOD-DE  
CEPOA-Support Staff  
CEPOA-Senior Staff

<b>U.S. ARMY CORPS OF ENGINEERS, ALASKA DISTRICT</b> <b>POA STAFF ACTION SUMMARY</b> For use of this form, see AR 25-50 and DA Memo 25-52; the proponent agency is CEPOA-DE.	1. CONTROL NUMBER	2. SUSPENSE DATE (YYYYMMDD)
	PM-20-102	20200810
		3. TODAY'S DATE (YYYYMMDD)
		20200730

4. SUBJECT  
Project Closure Document Approval for Yakutat Air Base FUDS #F10AK0606-06

5. OFFICE SYMBOL CEPOA-PM-ESP	6. ACTION OFFICER (Last, First MI) Baez, Christy J	7. TELEPHONE NUMBER (907) 753-5568	8. E-MAIL christy.j.baez@usace.army.mil
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9. FOR  a. INFORMATION.  b. READ-AHEAD.  c. DECISION.  d. APPROVAL.  e. SIGNATURE.

10. ROUTING  a. CEPOA-DC  b. CEPOA-DDC  c. CEPOA-DPM  d. CEPOA-EN  e. CEPOA-CO

11. RECOMMENDATION: STATE THE RECOMMENDED ACTION (for example, approve an action, sign a document)  
To obtain commander's signature on the Declaration of Project Closure.

12. ACTION  a. APPROVED.  b. SEE ME.  c. OTHER (Specify)


13. PURPOSE / BOTTOM LINE / DISCUSSION AND RESOURCE IMPACT (see instructions on page 2)

1. PURPOSE: Routing FUDS Project Closure Document for Yakutat Air Base, L Concern -ACOR Tank Farm (F10AK0606-06) through POA for DC signature (final action).

2. BOTTOM LINE: This report documents the completion of removal actions and site restoration at the L Concern - ACOR Tank Farm and recommends closure of the project.

3. DISCUSSION: Based upon the results of the 2016 Removal Action, USACE has determined that no further action is required at the former ACOR Tank Farm site. ADEC provided concurrence with the project closure decision on 30 July 2020.

4. RESOURCE IMPACT: Project closure meets the scheduled FY20 metric & documents FUDS Program progress.

14a. RELEASER (Last, First MI) RANK AND TITLE (should be the Division Chief) (3) Wharry, Stanley W., Chief PM-ESP	b. DATE (YYYYMMDD) 20200807	c. RELEASER'S SIGNATURE  <small>Digitally signed by WHARRY STANLEY WAYNE 1231417385 Date: 2020.08.07 08:35:25 -0800'</small>
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**SECTION I - COORDINATION**

REVIEW SEQUENCE	a. DIVISION PROPONENT	b. NAME (Last, First MI)	c. CON-CURRENCE		d. COMMENT(S) BRIEF	e. DATE (YYYYMMDD)
			CONCUR	NON-CONCUR		
7.	DC	Delarosa, Damon	<input type="checkbox"/>	<input type="checkbox"/>		
6.	DDC	Bloedel, Penny M.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20200820
5.	DPM	Bowker, Randall L.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20200820
	EA		<input type="checkbox"/>	<input type="checkbox"/>		
	E&C		<input type="checkbox"/>	<input type="checkbox"/>		
	Construction		<input type="checkbox"/>	<input type="checkbox"/>		



REVIEW SEQUENCE	a. DIVISION PROPONENT	b. NAME (Last, First MI)	c. CONCURRENCE		d. COMMENT(s) BRIEF	e. DATE (YYYYMMDD)
			CONCUR	NON-CONCUR		
4.	OC	Olson, Carl F.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	las/concur	20200820
	RM		<input type="checkbox"/>	<input type="checkbox"/>		
	RM		<input type="checkbox"/>	<input type="checkbox"/>		
	CT		<input type="checkbox"/>	<input type="checkbox"/>		
	PM-M		<input type="checkbox"/>	<input type="checkbox"/>		
	RE		<input type="checkbox"/>	<input type="checkbox"/>		
1.	EE	Geist, Lisa K.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20200803
2.	ESP-FUDS	Andraschko, Ken R.	<input checked="" type="checkbox"/>	<input type="checkbox"/>		20200804
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
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			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

**SECTION II - INSTRUCTIONS**

**INSTRUCTIONS - PURPOSE / BOTTOM LINE / DISCUSSION AND RESOURCE IMPACT**

- PURPOSE: STATE THE PURPOSE OF THE STAFF ACTION SUMMARY (SAS). IF PREPARING A DECISION SAS, STATE WHAT THE RECOMMENDED DECISION WILL ACHIEVE. IF PREPARING AN INFORMATION SAS, STATE THE PURPOSE OF THE INFORMATION. THE SAS WILL NOT EXCEED ONE PAGE. IF THE PURPOSE OF THE SAS IS TO RESPOND TO A COMMAND GROUP TASKER, REFER TO THE TASKER AS A BACKGROUND TAB.
- BOTTOM LINE: STATE THE "BOTTOM LINE" IN THIS PARAGRAPH. BRIEFLY STATE THE ACTION REQUIRED, OR SUMMARIZE THE INFORMATION THAT WILL BE DISCUSSED IN PARAGRAPH 3.
- DISCUSSION: DECISION AND INFORMATION SAS'S REQUIRE FOUR MAJOR PARAGRAPHS (*purpose, bottom line, discussion and resource impact*). THE DISCUSSION WILL BE AS BRIEF AS POSSIBLE AND WILL NOT BE CONTINUED ON ADDITIONAL PAGES. THE DISCUSSION BLOCK IS USED TO TELL THE COMMAND GROUP ONLY WHAT THEY NEED TO KNOW. IF SUBPARAGRAPHS ARE NEEDED, USE BULLETS. (*Bullets are in the Insert Symbol application in Word.*)
  - SUBPARAGRAPHS SHOULD BE SHORT AND TO THE POINT. COMMENTS, IF ANY, SHOULD PROVIDE FACTS THAT RELATE DIRECTLY TO THE ACTION.
  - IF THE RECOMMENDED DECISION OR THE INFORMATION IS BEING FORWARDED BECAUSE OF A REQUIREMENT IN ANOTHER DOCUMENT, THAT DOCUMENT WILL BE ATTACHED TO THE SAS AS BACKGROUND INFORMATION UNDER A BACKGROUND TAB.
  - IF THE RECOMMENDED DECISION REQUIRES APPROVAL OR SIGNATURE OF A DOCUMENT, THAT DOCUMENT WILL BE INSERTED (*not stapled*) UNDER A SIGNATURE TAB.
  - IF THE DECISION REQUIRES SUPPORTING DOCUMENTATION, THAT INFORMATION WILL BE ATTACHED AS A COORDINATION TAB. IF THE COORDINATION DOCUMENT IS LONGER THAN 10 PAGES, A SUMMARY OF THE DOCUMENT'S KEY POINTS WILL BE ADDED AS THE FIRST PAGE OF THE COORDINATION DOCUMENT.
- RESOURCE IMPACT: STATE THE PROJECT FINANCIAL (*monetary or work hours*) IMPACT THIS ACTION WILL HAVE ON USACE, HOW IT WILL BE FUNDED, AND IF IT WAS PLANNED OR NOT.
- ROUTING: ROUTING FOR THE COMMANDER WILL BE DONE THROUGH THE DIVISION CHIEF, STAFF SUBJECT MATTER EXPERT(S), HORIZONTAL DIVISION CHIEF(S) THE DECISION WILL AFFECT, DEPUTY DISTRICT COMMANDER, AND THEN THE COMMANDER. COMMENTS PROVIDED DURING ROUTING WILL BE PROVIDED IN THIS BLOCK OR THE FRONT OF THE FOLDER, AFTER THIS STAFF ACTION SUMMARY.
- CONTROL NUMBER: ROUTING NUMBER IS COMPOSED OF 3 ELEMENTS: THE TWO-LETTER OFFICE SYMBOL FOLLOWED BY A DASH, THE TWO DIGIT YEAR FOLLOWED BY A DASH, AND THE DOCUMENT'S CHRONOLOGICAL NUMBER.