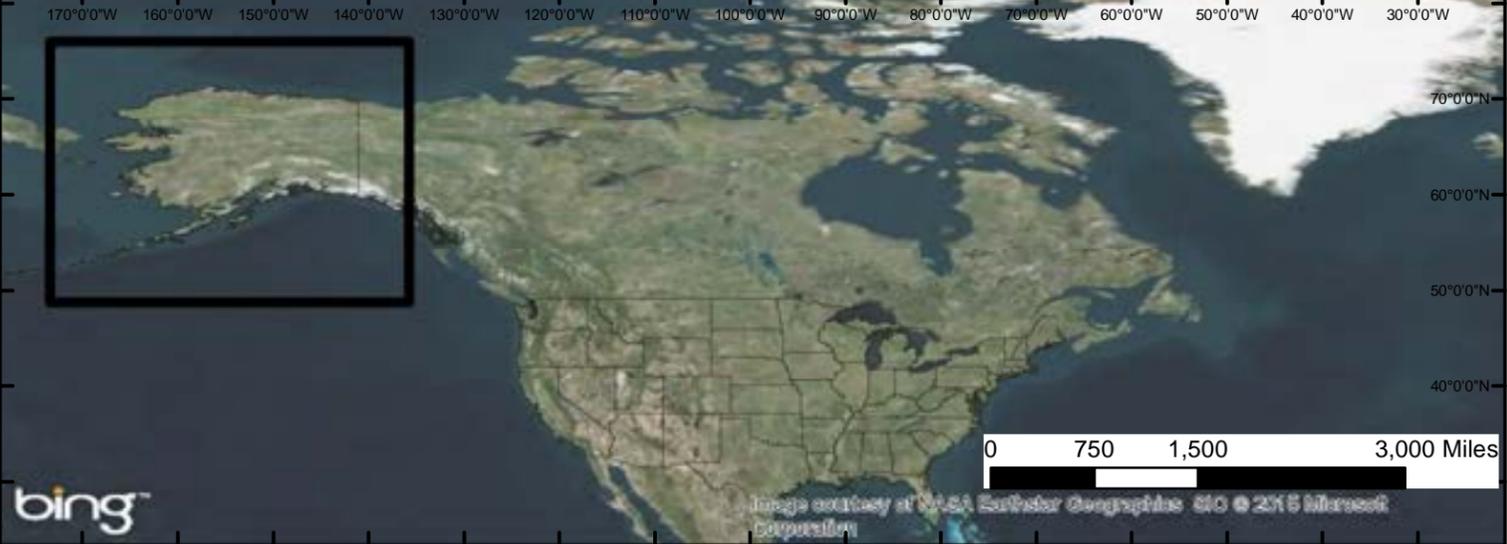
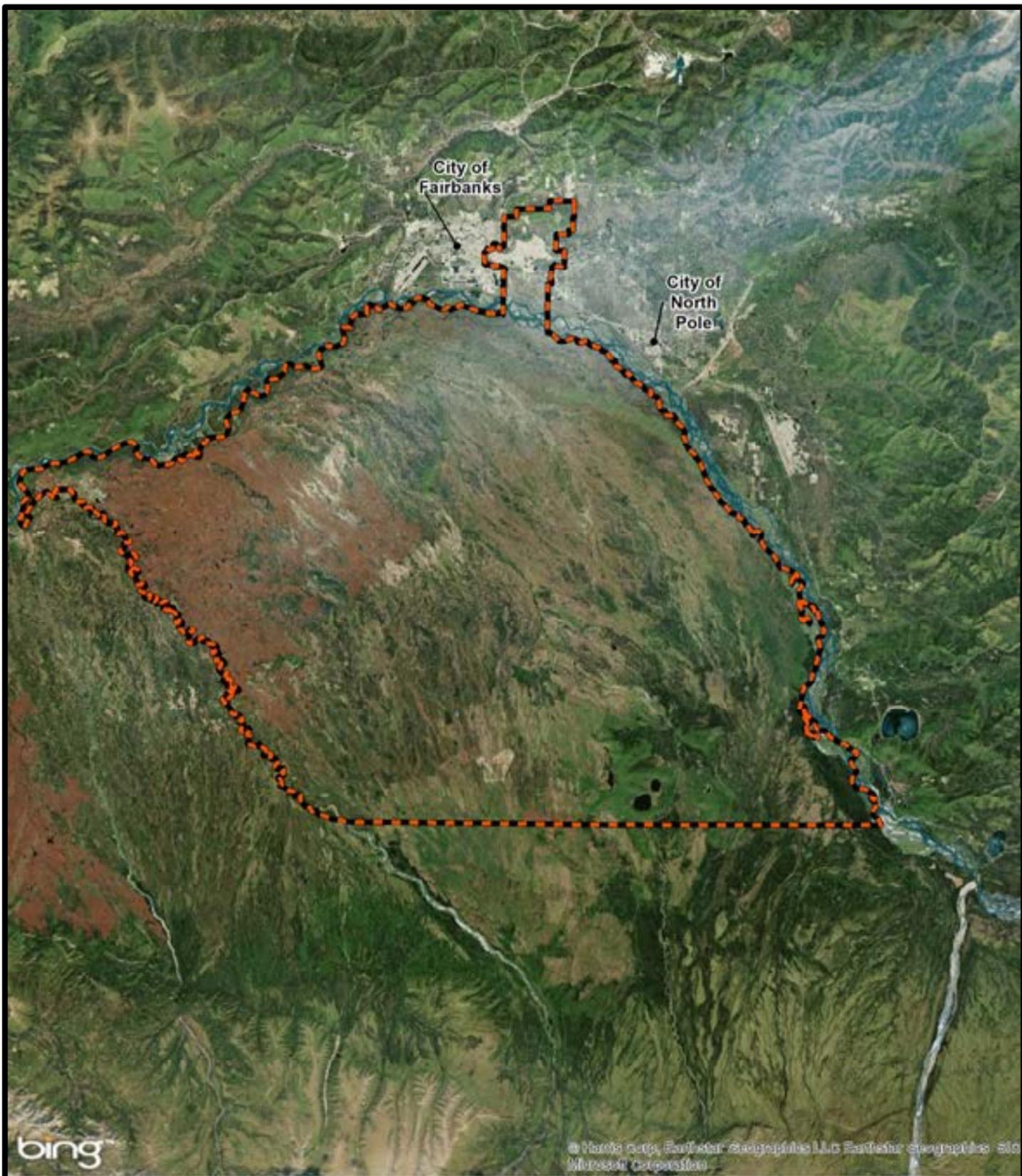


## **ATTACHMENT 1**

### **Figures**

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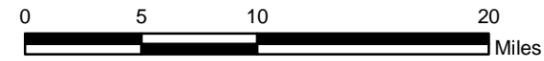
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Image courtesy of NASA Earthstar Geographics. © 2015 Microsoft Corporation

 Installation Boundary

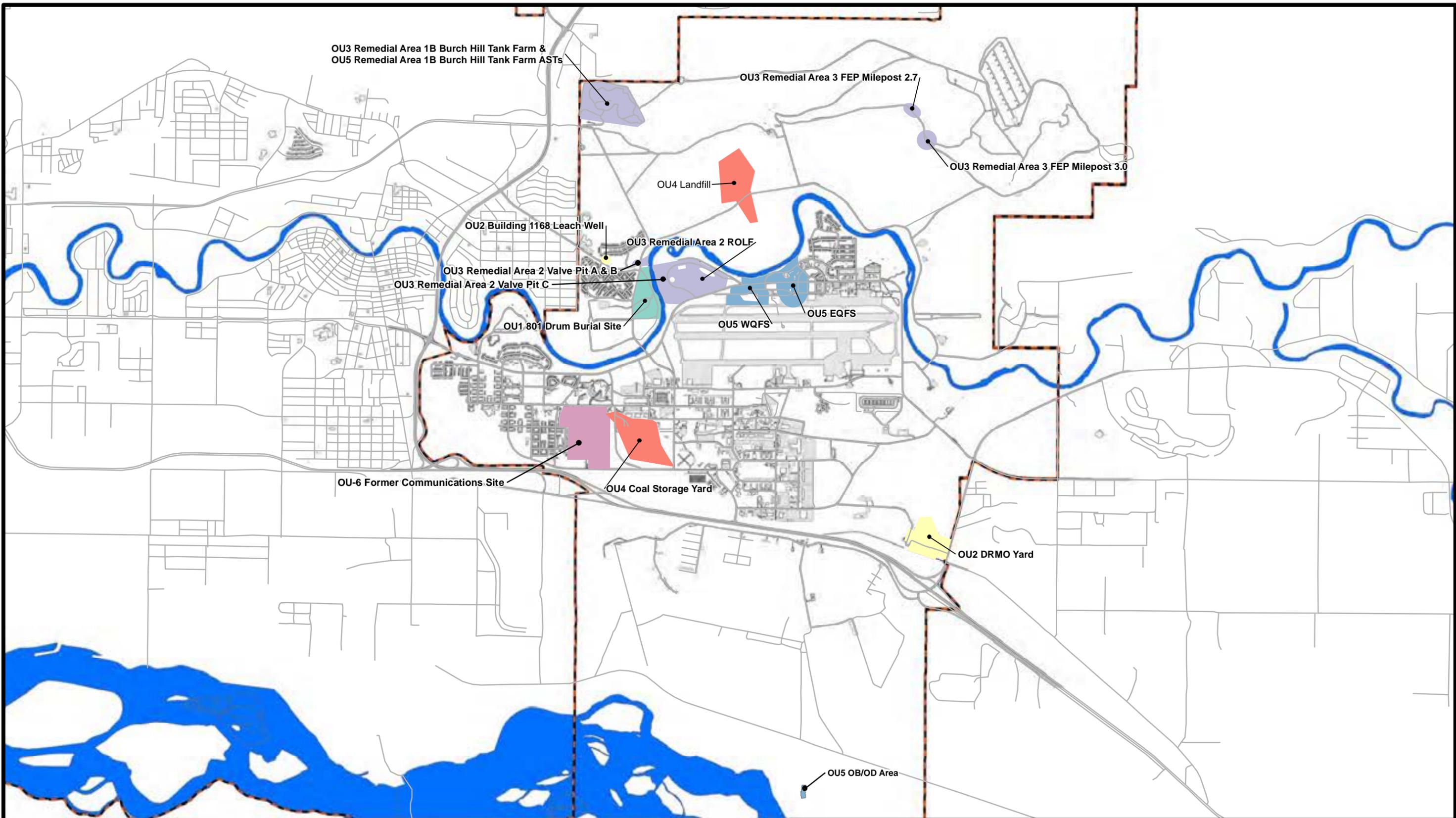


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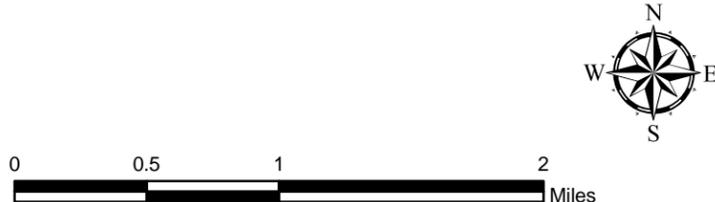
Fort Wainwright Site Location

United States Army Garrison  
 Fort Wainwright, Alaska

Figure 1 - 1



- OU-1
  OU-4
  Installation Boundary
- OU-2
  OU-5
  Surface Water
- OU-3
  OU-6
  Roads



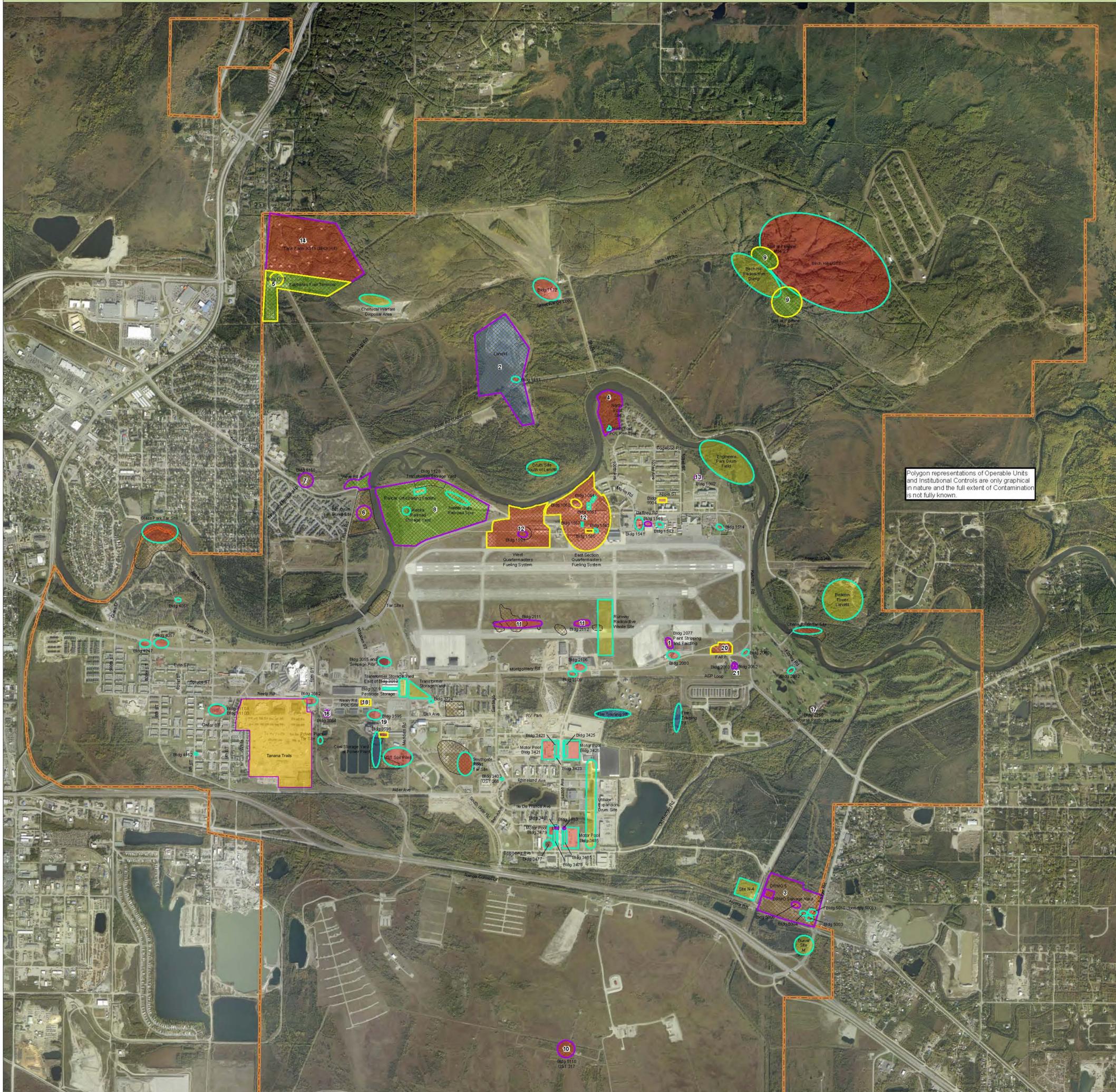
  
 US Army Corps of Engineers  
 Buffalo District  
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Operable Unit Locations

United States Army Garrison  
Fort Wainwright, Alaska

Figure 2 - 1

# Restoration Sites On Fort Wainwright, AK



## Active Restoration Site Summaries

- 1 **FTWW-003**  
**AIRCRAFT MAIN (BUILDING 2077)**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: DRO  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, RD, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 2 **FTWW-038**  
**FT. WAINWRIGHT LANDFILL PLUME**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: Solvents  
MEDIA OF CONCERN: Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, RD, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: RA(O)
- 3 **FTWW-047**  
**DRMO SALVAGE YARD**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: TCE, PCE, POL  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, RD, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: LTM
- 4 **FTWW-050**  
**NORTH POST SITE**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: Benzene, PCL Components  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, IRA, RD, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 5 **FTWW-055**  
**FAIRBANKS FUEL TERMINAL**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: Benzene, Free Product, Solvents, EDB, 1,2 DCA  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, RD, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: RA(O), LTM
- 6 **FTWW-067**  
**801 DRUM BURIAL SITE**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: Aldrin, Dieldrin  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 4 IRAS, RD, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: RA(O)
- 7 **FTWW-072**  
**OIL WATER SEPARATOR AT BLDG 1168**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: DRO  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, IRA, RD, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: RC
- 8 **FTWW-083**  
**RAILROAD OFF-LOADING FACILITY**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: POL  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 2 IRAS, RD, RA  
CURRENT IRP PHASE: RA(O), LTM
- 9 **FTWW-084**  
**FAIRBANKS EIELSON PIPELINE SPILLS**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: POL  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 2 IRAS, RD, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: RA(O)
- 10 **FTWW-085**  
**UST, BLDG 5110**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: DRO, BTEX  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 3 IRAS, RD, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 11 **FTWW-087**  
**UST, BLDG 2111 & 2112**  
RRSE RATING: Medium  
CONTAMINANTS OF CONCERN: POL  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 3 IRAS, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: LTM
- 12 **FTWW-084**  
**FORMER QUARTERMASTERS FUELING SYSTEM EAST/WEST**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: POL, Benzene, 1,2DCA, EDB  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 2 IRAS, RD, RA  
CURRENT IRP PHASE: RA(O)  
FUTURE IRP PHASE: LTM
- 13 **FTWW-095**  
**UST, BLDG 1002**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: Benzene  
MEDIA OF CONCERN: Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, IRA, RD, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 14 **FTWW-096**  
**BIRCH HILL ASTS**  
RRSE RATING: Medium  
CONTAMINANTS OF CONCERN: Lead, PCL  
MEDIA OF CONCERN: Soil  
COMPLETED IRP PHASE: PA/SI, RI/FS, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 15 **FTWW-097**  
**UST, BLDG 1168**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: POL  
MEDIA OF CONCERN: Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, IRA, RD, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 16 **FTWW-099**  
**UST, BLDG 2064 (UST 233, 284)**  
RRSE RATING: Medium  
CONTAMINANTS OF CONCERN: Benzene, GRO, DRO, BTEX  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, IRA, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 17 **FTWW-100**  
**UST, BLDG 2250**  
RRSE RATING: Low  
CONTAMINANTS OF CONCERN: DRO  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA/SI, RI/FS, 2 IRAS, RA, RA(O)  
CURRENT IRP PHASE: LTM  
FUTURE IRP PHASE: LTM
- 18 **FTWW-101**  
**NEELY ROAD POL POINT**  
RRSE RATING: High  
CONTAMINANTS OF CONCERN: Benzene, DRO, GRO, BTEX  
MEDIA OF CONCERN: Soil, Groundwater  
COMPLETED IRP PHASE: PA  
CURRENT IRP PHASE: RI/FS (funded), RA  
FUTURE IRP PHASE: RA(O), LTM

## Compliance Clean-Up Site Summaries

- 19 **FTWWCC-01**  
**BLDG 3568/3566 SITE**  
CONTAMINANTS OF CONCERN: POL  
MEDIA OF CONCERN: Soil, Groundwater  
SITE TYPE: UST  
LAND USE: Industrial  
COMPLETED PHASE: PA/SI  
CURRENT PHASE: RI/FS  
FUTURE PHASE: RA, RA(O)
- 20 **FTWWCC-02**  
**FORWARD AIR REFUELING POINT (FARP)**  
CONTAMINANTS OF CONCERN: Unknown  
MEDIA OF CONCERN: Unknown  
SITE TYPE: AST  
LAND USE: Industrial  
COMPLETED PHASE: N/A  
CURRENT PHASE: N/A  
FUTURE PHASE: N/A
- 21 **FTWWCC-03**  
**VET CLINIC/BOAT SHOP (BLDGS 2062/2063)**  
CONTAMINANTS OF CONCERN: POL  
MEDIA OF CONCERN: Soil, Groundwater  
SITE TYPE: UST  
LAND USE: Industrial  
COMPLETED PHASE: PA/SI, RI  
CURRENT PHASE: LTM  
FUTURE PHASE: LTM

**USAG-AK GIS**  
724 Quartermaster Road  
Fort Richardson, AK  
907-384-3058

Date: August 23, 2004  
Drawn: TJK  
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**Operable Units**

- OU1 (Yellow)
- OU2 (Orange)
- OU3 (Green)
- OU4 (Blue)
- OU5 (Red)
- OU6 (Brown)

**Legend**

- Installation Boundary (Orange outline)
- Institutional Controls (Hatched pattern)

**Operable Unit Status**

- All remedial actions in place (Solid color)
- Contamination still being defined (Dashed outline)
- No further action (Light color)

**Scale**

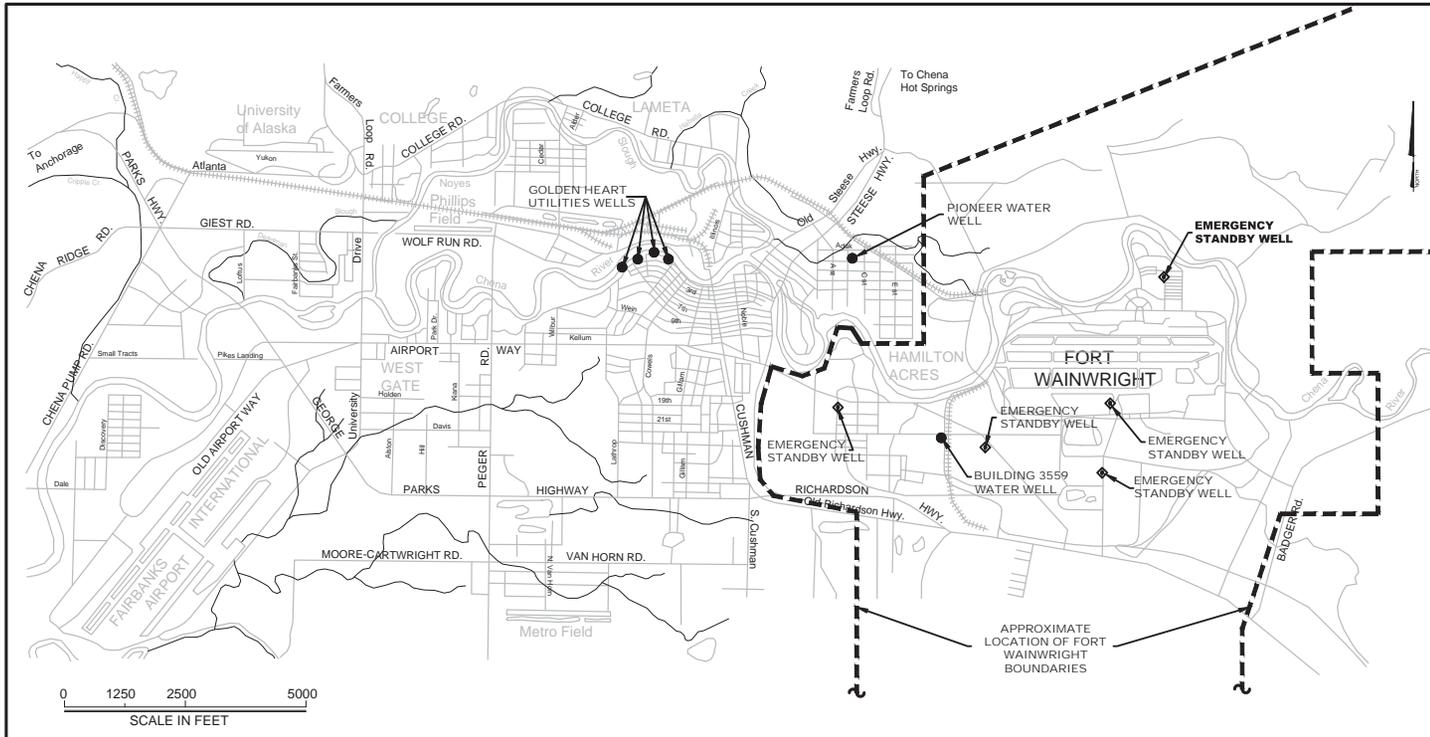
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0 0.25 0.5 Miles

**North Arrow**

**Acronyms and Abbreviations Used**  
Preliminary Assessment (PA), Remedial Action (RA), Remedial Action Operation (RAO), Remedial Design (RD), Remedial Investigation (RI), Site Inspection (SI), Interim Remedial Action (IRA), Installation Restoration Program (IRP), Feasibility Study (FS), Volatile Organic Compounds (VOC)

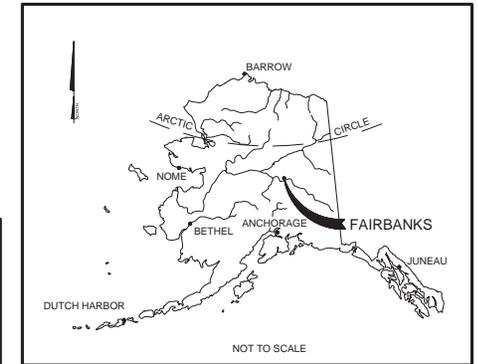
**Synopsis From Fort Wainwright Installation Action Plan FY05**

For more information about these restoration sites please go to the USAG-AK GIS page at: [http://rpw-eom/sicml/usagak\\_gis.php](http://rpw-eom/sicml/usagak_gis.php) (Note: You must have access to the USAG-AK intranet to view this site)

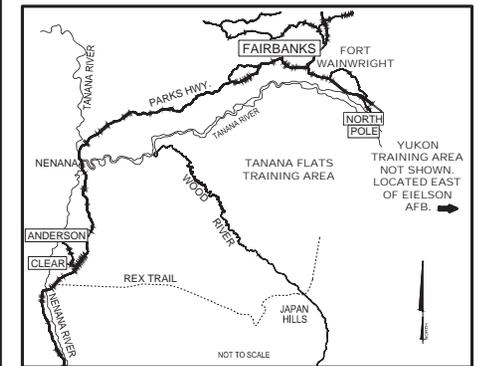


Fairbanks and Fort Wainwright Site Map

LEGEND	
●	DRINKING WATER WELL LOCATION
◆	EMERGENCY STANDBY WELL LOCATION, USED PRIMARILY FOR FIRE SUPPRESSION



Location Map



Vicinity Map

Fort Wainwright and Surrounding Areas

Five Year Review  
Fort Wainwright, Alaska

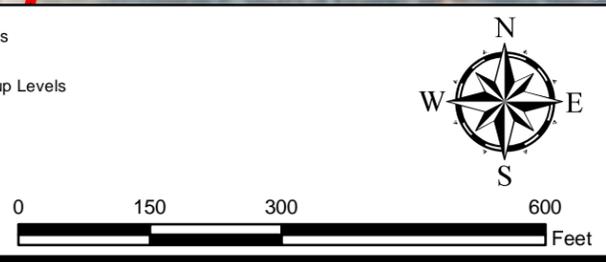
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

ROD Cleanup Level (µg/L)	
Benzene	5
1,1-Dichloroethene	7
cis-1,2-Dichloroethene	70
Vinyl Chloride	2
Dieldrin	0.004
DRO	1,500
ADEC Cleanup Level (µg/L)	
Dieldrin	0.05

- 2015 Groundwater Sampling Results Exceed ROD Cleanup Levels
- 2015 Groundwater Sampling Results Do Not Exceed ROD Cleanup Levels
- Not Included in 2015 Sampling Event
- Underground Storm Sewer
- Institutional Control Boundary



**U.S. Army Corps of Engineers**  
 Buffalo, New York

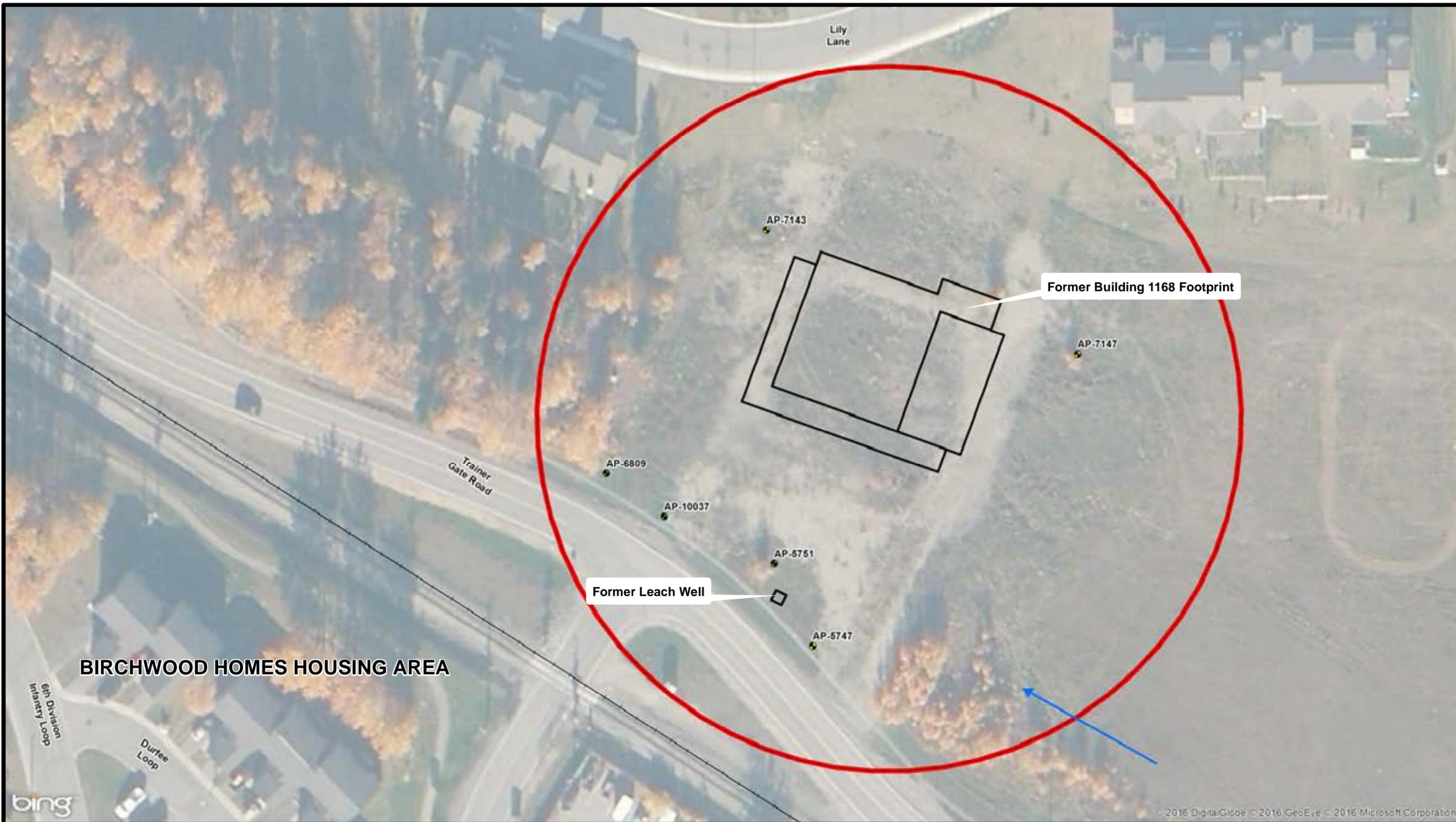
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**OU-1 801 Drum Burial Site Features**

United States Army Garrison  
Fort Wainwright, Alaska

**FIGURE 5-1**

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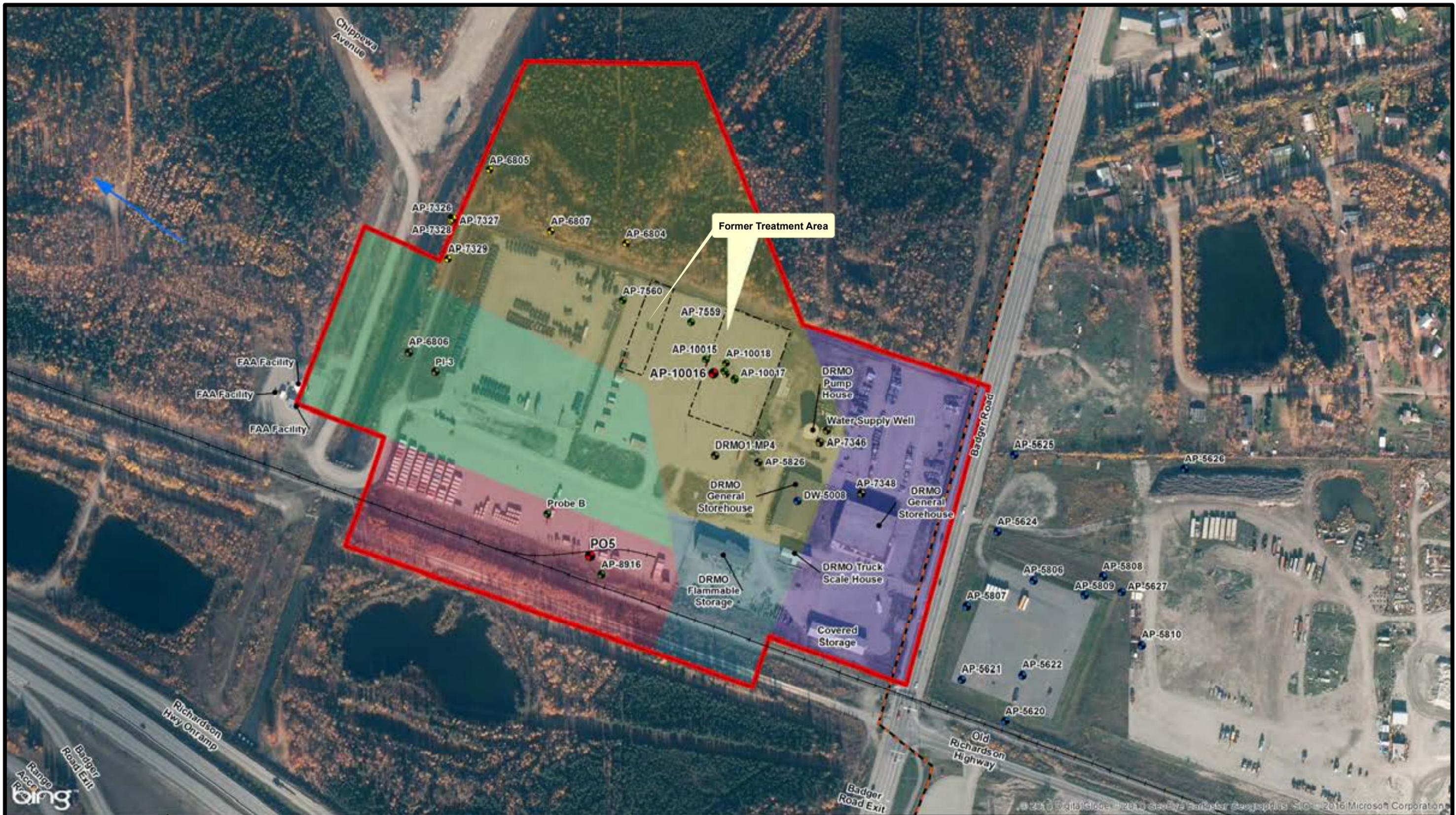
ROD Cleanup Level (ug/L)	
Benzene	5
PCE	5
TCE	5
1,1-Dichloroethene	7
cis-1,2-Dichloroethene	70
Vinyl Chloride	2

<ul style="list-style-type: none"> <li><span style="color: red;">●</span> 2015 Groundwater Sampling Results Exceed ROD Cleanup Levels</li> <li><span style="color: green;">●</span> 2015 Groundwater Sampling Results Do Not Exceed ROD Cleanup Levels</li> <li><span style="color: yellow;">●</span> Not Included in 2015 Sampling Event</li> <li><span style="color: blue;">➔</span> Approximate Groundwater Flow Direction</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Former Building 1168</li> <li><span style="border-bottom: 1px solid black; width: 20px; display: inline-block; margin-right: 5px;"></span> Active Railroad - Single</li> <li><span style="border: 1px solid red; padding: 2px; display: inline-block; width: 15px; height: 15px;"></span> Institutional Control Boundary</li> </ul>	

**U.S. Army Corps of Engineers**  
 US Army Corps of Engineers  
 Buffalo District  
**Buffalo, New York**

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 Time Saved: 3:44:55 PM

OU-2 Former Building 1168 Site Features	
United States Army Garrison Fort Wainwright, Alaska	Figure 5-2



<p><b>ROD Cleanup Level (µg/L)</b></p> <p>Benzene 5  PCE 5  TCE 5  1,1-Dichloroethene 7  cis-1,2-Dichloroethene 70  Vinyl Chloride 2</p>	<ul style="list-style-type: none"> <li><span style="color: red;">●</span> 2015 Groundwater Sampling Results Exceed ROD Cleanup Levels</li> <li><span style="color: green;">●</span> 2015 Groundwater Sampling Results Do Not Exceed ROD Cleanup Levels</li> <li><span style="color: yellow;">●</span> Not Included in 2015 Sampling</li> <li><span style="color: blue;">●</span> 2-Party Groundwater Monitoring Well</li> <li><span style="color: blue;">●</span> Domestic Water Well</li> <li><span style="color: blue;">→</span> Approximate Groundwater Flow Direction</li> <li><span style="color: black;">—</span> Active Railroad - Single</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid red; padding: 2px;">+</span> Institutional Control Boundary</li> <li><span style="background-color: #90EE90; border: 1px solid black; padding: 2px;">+</span> Subarea DRMO1</li> <li><span style="background-color: #8A2BE2; border: 1px solid black; padding: 2px;">+</span> Subarea DRMO2</li> <li><span style="background-color: #6495ED; border: 1px solid black; padding: 2px;">+</span> Subarea DRMO3</li> <li><span style="background-color: #FFB6C1; border: 1px solid black; padding: 2px;">+</span> Subarea DRMO4</li> <li><span style="background-color: #90EE90; border: 1px solid black; padding: 2px;">+</span> Subarea DRMO5</li> <li><span style="border: 2px solid orange; padding: 2px;">+</span> Installation Boundary</li> </ul> <div style="text-align: center;">   <p>0 125 250 500 Feet</p> </div>	<p><b>U.S. Army Corps of Engineers</b>  US Army Corps of Engineers  Buffalo District</p> <p>Document Name: FWA_OU2DRMO_201511.mxd  Drawn By: HSTDEEMP  Date Saved: 22 Aug 2016  Time Saved: 4:44:58 PM</p>	<p style="text-align: center;"><b>OU-2 DRMO Subareas and Site Features</b></p> <p style="text-align: center;">United States Army Garrison  Fort Wainwright, Alaska</p>	<p style="text-align: right;">Figure 5-3</p>
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