



TABS Installation Visualization Tool (IVT) Training

4 June 2004



Agenda

- Introduction
- IVT Background
- TABS IVT Workflow
- IVT Layers
- OSD Product
- Demo
- Summary



Installation Visualization Tool (IVT) History

- USD(AT&L) BRAC Policy Memo No. 1 established IVT as a visualization tool for BRAC 2005
 - **“The IVT is a planned capability to enhance DoD’s ability to manage its infrastructure. This same capability can and should be used as a tool during the BRAC 2005 process.”**
 - **“Assist the JCSGs, the IEC and ISG, and DoD Components in their BRAC 2005 analyses.”**
 - **“The Dept. of the Air Force will be the lead Service for this effort.”**
- Visualization capability to increase situational awareness for over 300+ DoD installations, sites, and ranges
- Funded by OSD/AT&L
- Dedicated staff at OSD and across DoD Services
- Go-live June 04
- Content - Imagery and vector overlays



IVT Objectives

- Deliver installation visualization capabilities for BRAC 2005 deliberations
 - Visually portray **expansion potential areas, constraints/exclusion areas, and encroachment** ...
 - Overlain on satellite imagery of each installation and surrounding vicinity ...
 - For all installations meeting BRAC Section 2687 threshold manpower criteria
- Supplement rigorous analysis using visualization tools to **interpret** numerical/statistical analyses
- Leverage existing DoD installation mapping investments
 - “No new data collected for IVT”



Relationship Between IVT and Certified BRAC Data

- IVT must seek to ensure accurate visual interpretation of certified BRAC data
- Equivalency between pictorial/geographic representation in IVT and certified BRAC data
 - Sources for IVT pictures selected by qualified mission-knowledge experts
 - QAP encourages Services to utilize the same sources for each IVT picture and certified BRAC data
- Should IVT conflict with the BRAC data call, in all cases, the BRAC data call will prevail as the definitive answer



TABS IVT Workflow

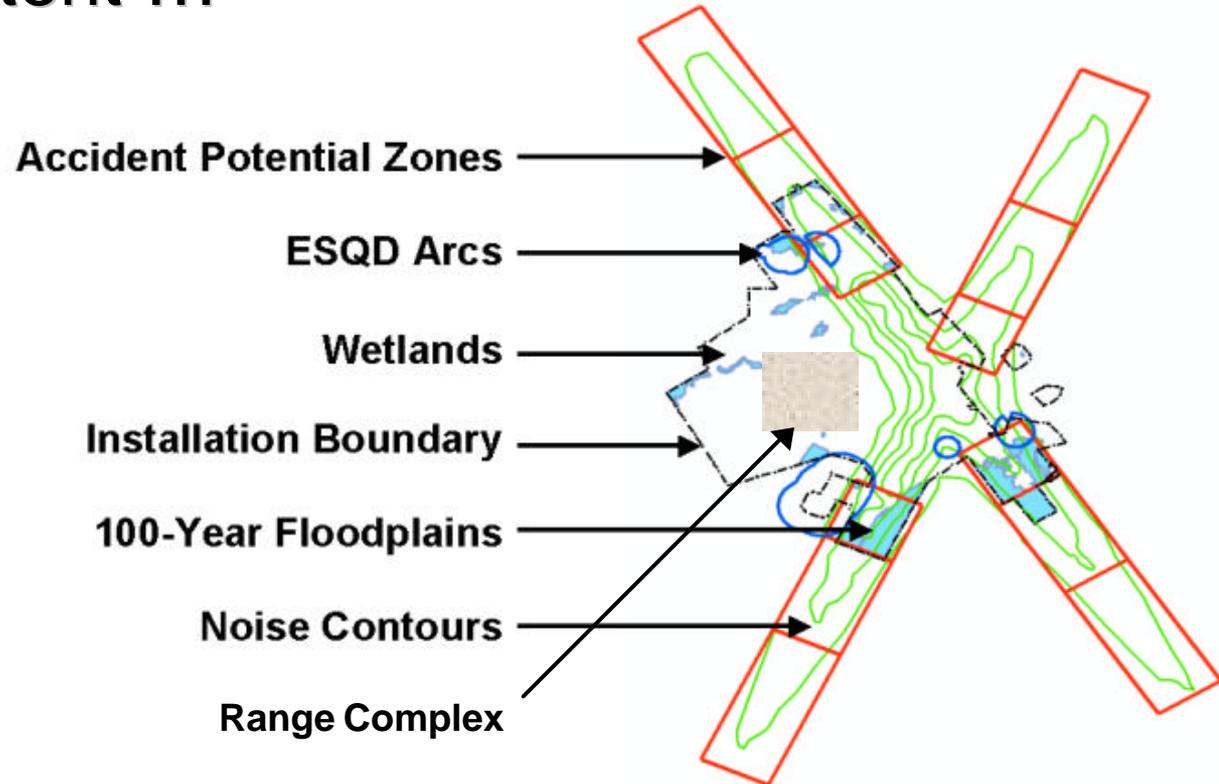
Requesting IVT Products:

- Coordinate direct with Terry Rhea on all requests (IVT, other products)
 - If suspense cannot be met or priorities conflict – LTC Crabtree will deconflict
-
- Electronic IVT Request Form



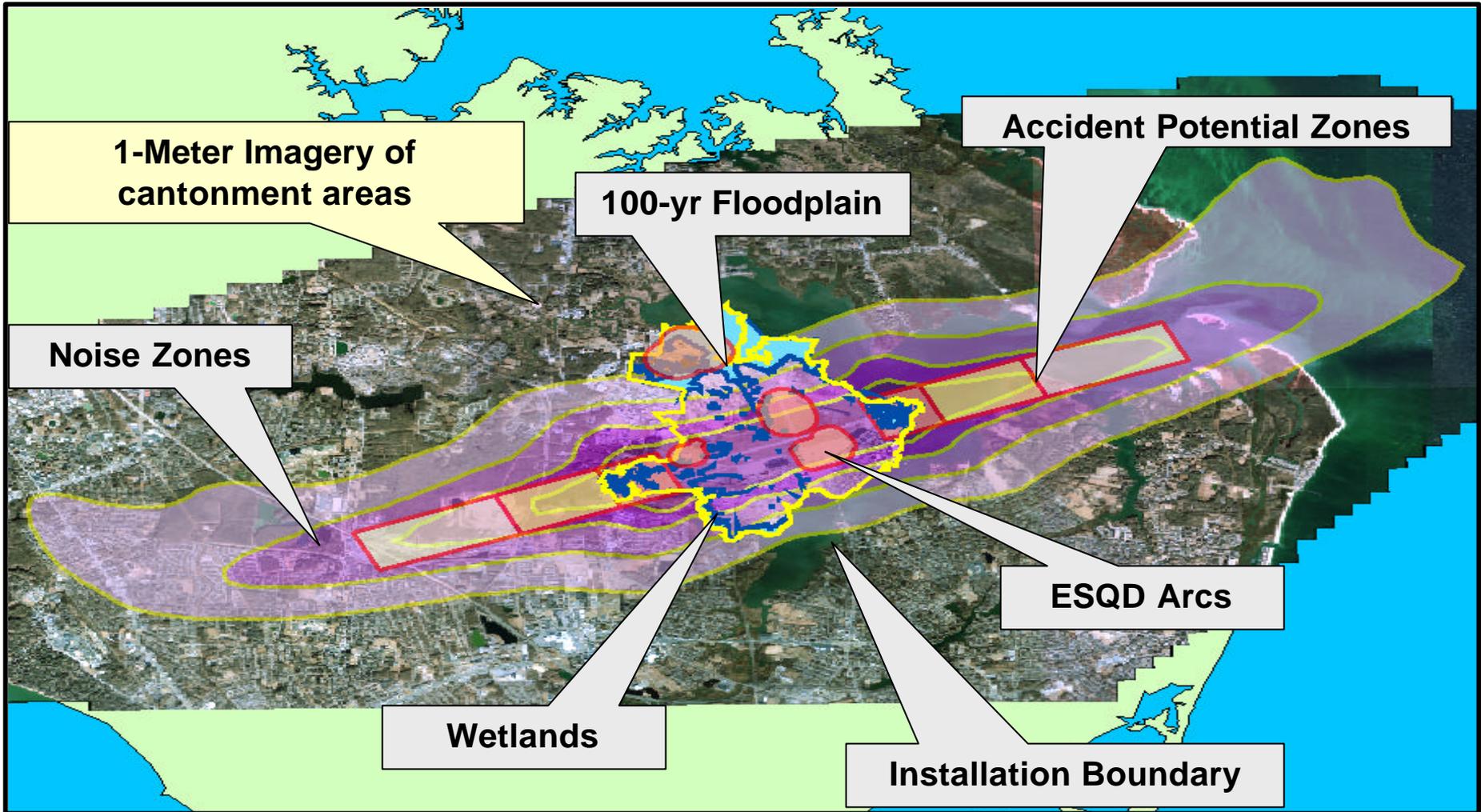
Available IVT Data

- Data content ...





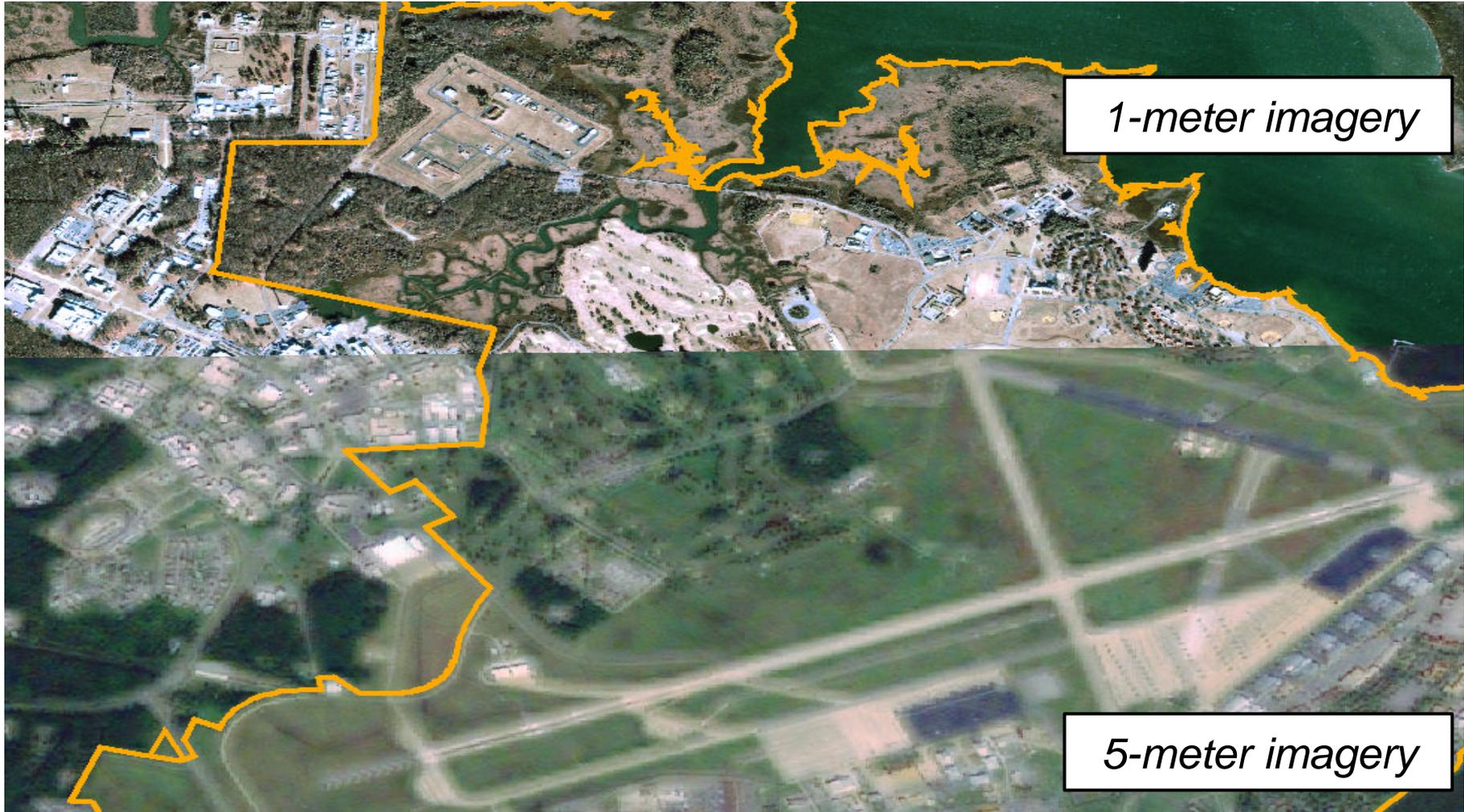
Example of IVT Data



Transforming Through Base Realignment and Closure



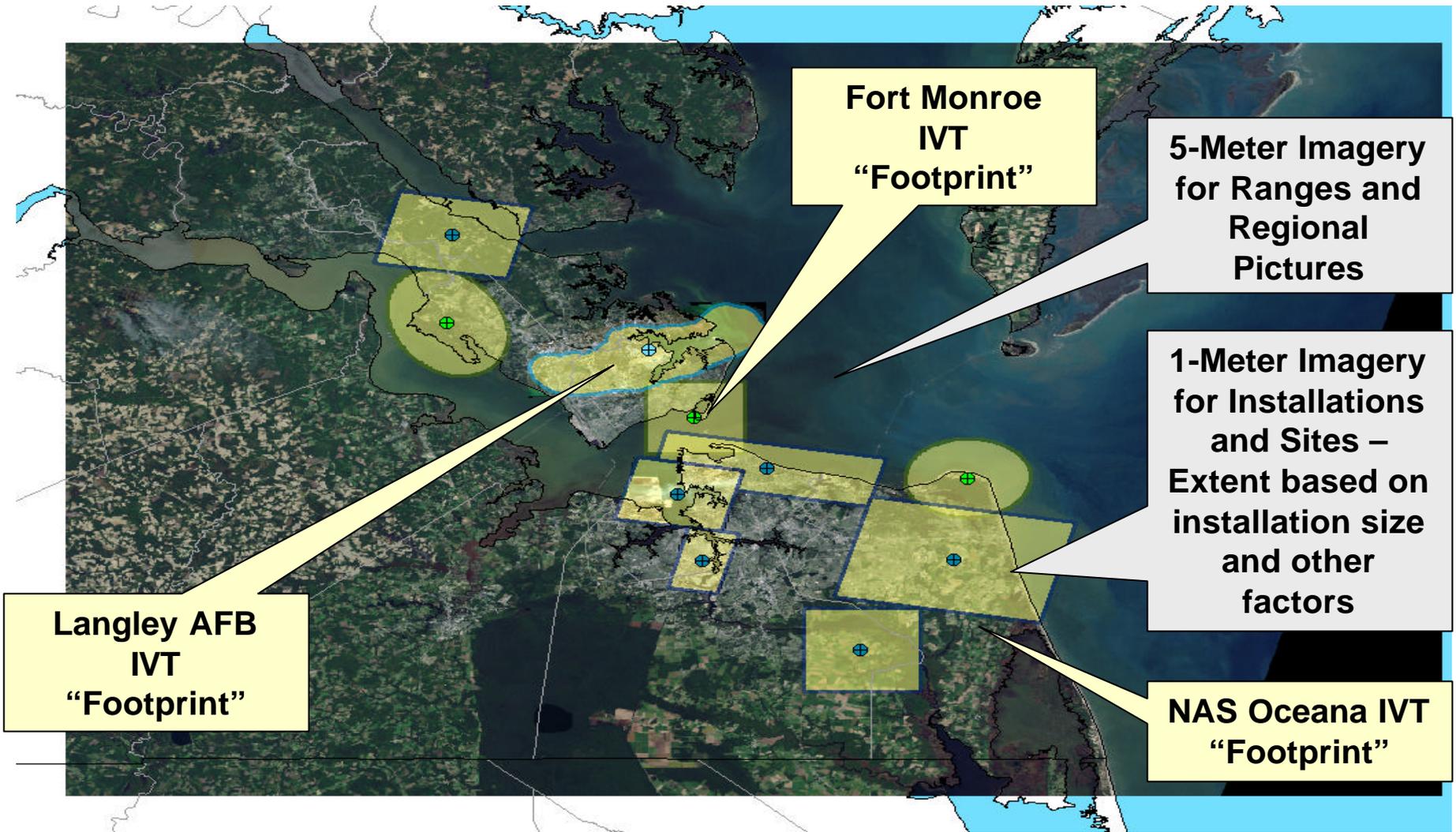
IVT Imagery Specifications



Transforming Through Base Realignment and Closure



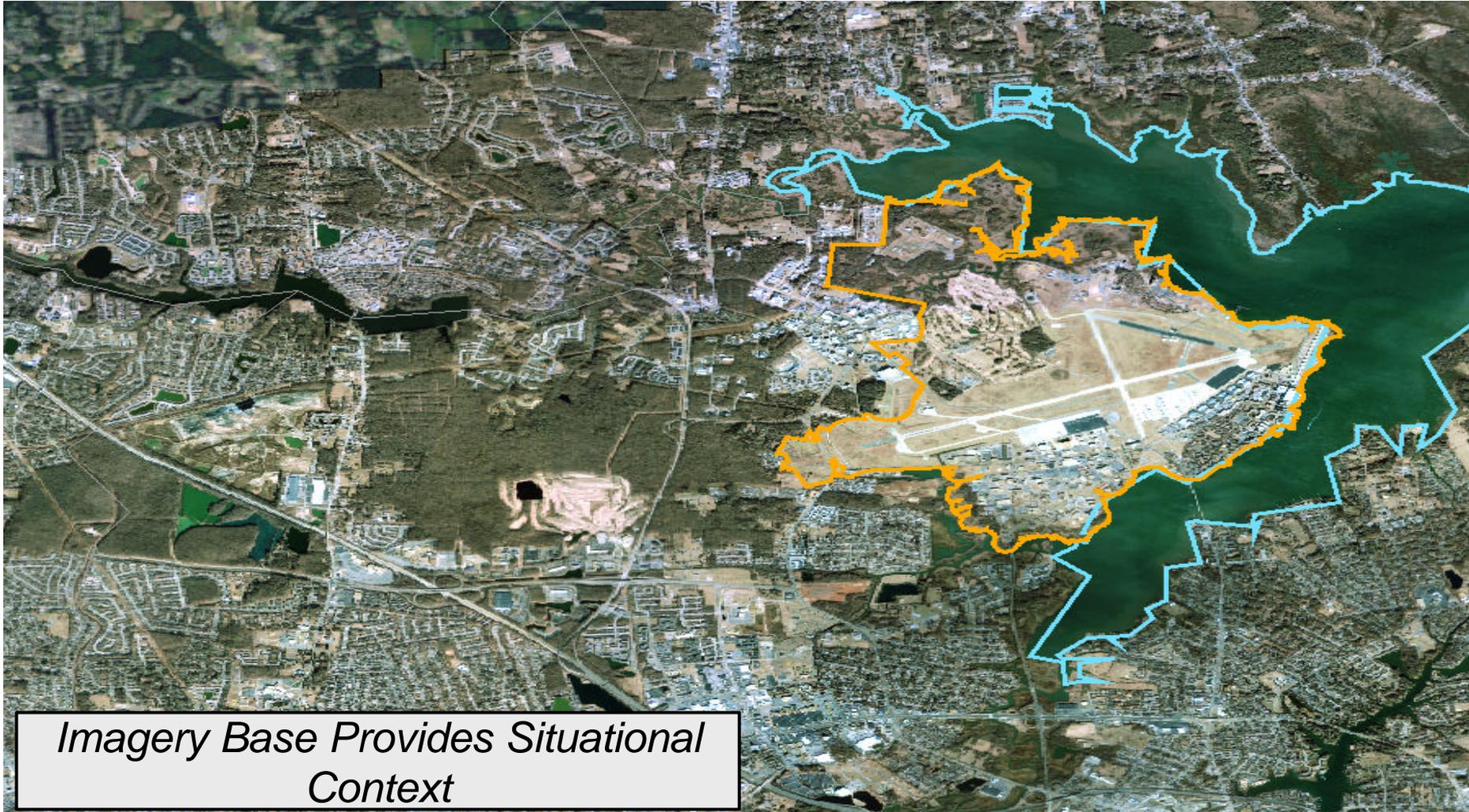
IVT Data 1-Meter and 5-Meter Imagery



Transforming Through Base Realignment and Closure



Langley AFB Installation Boundary



Imagery Base Provides Situational Context

Transforming Through Base Realignment and Closure



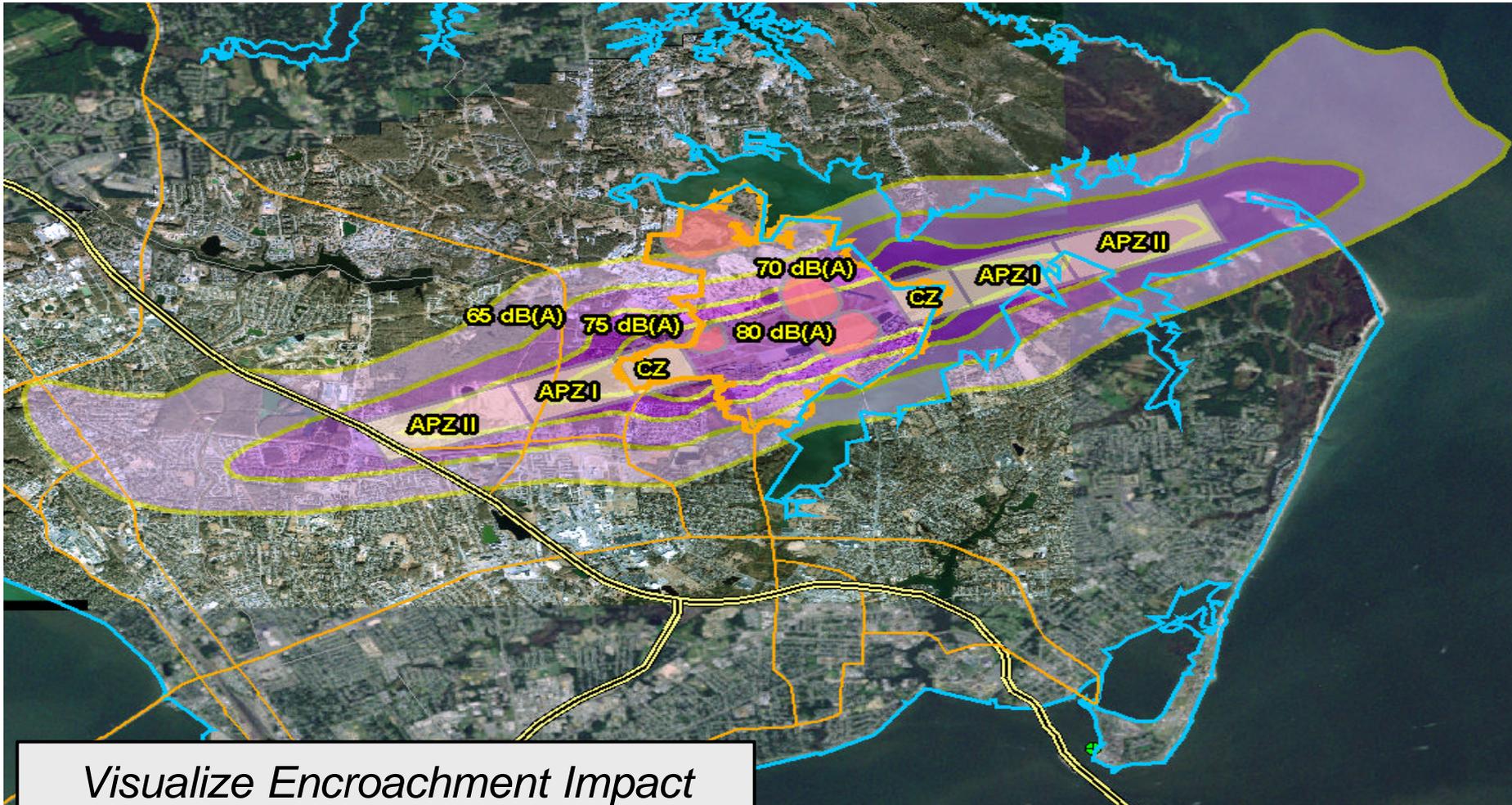
Langley AFB Wetlands & ESQD Arcs



Transforming Through Base Realignment and Closure



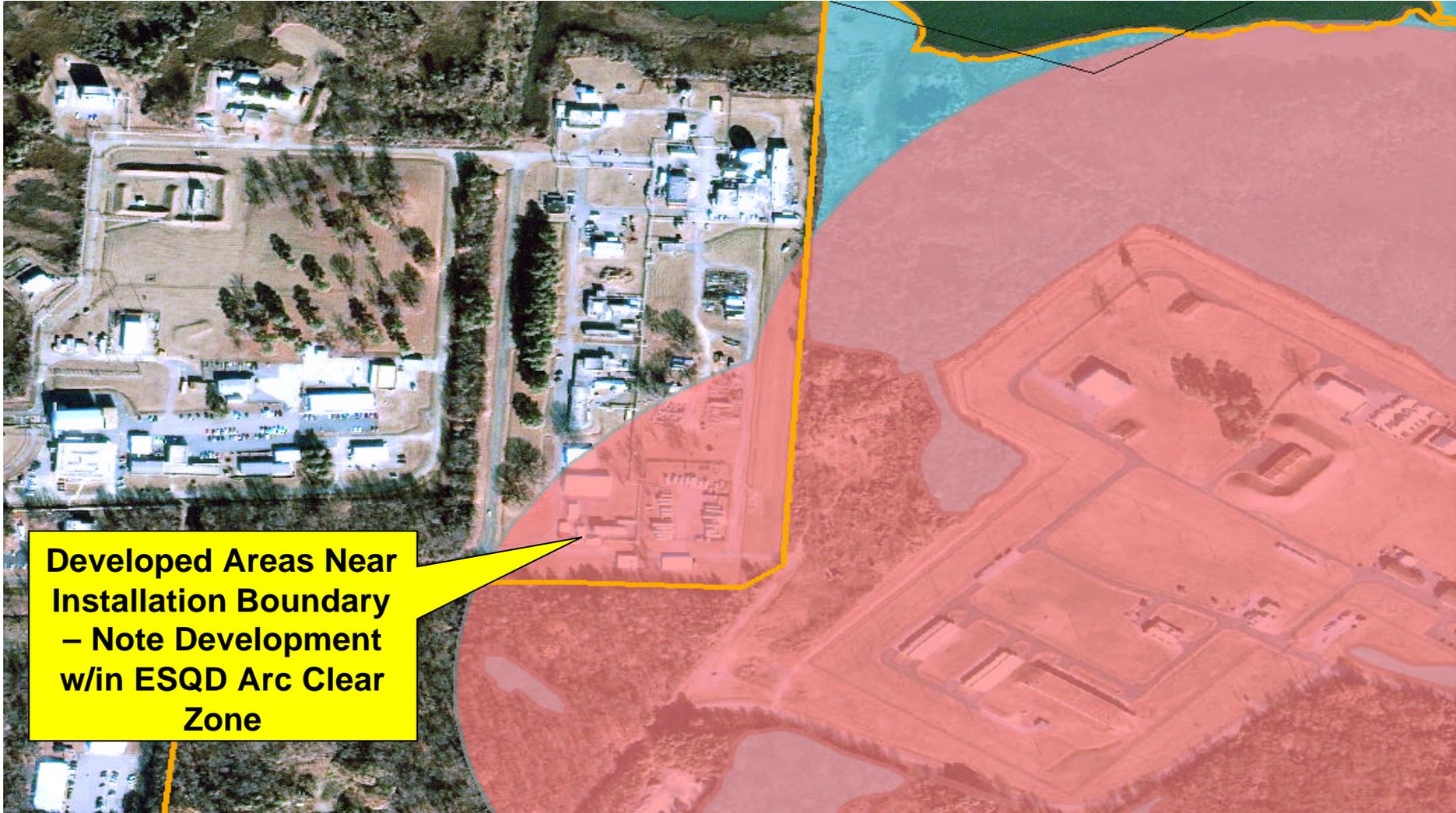
Langley AFB Noise Contours



Transforming Through Base Realignment and Closure



ESQD Arcs



**Developed Areas Near
Installation Boundary
– Note Development
w/in ESQD Arc Clear
Zone**

Transforming Through Base Realignment and Closure



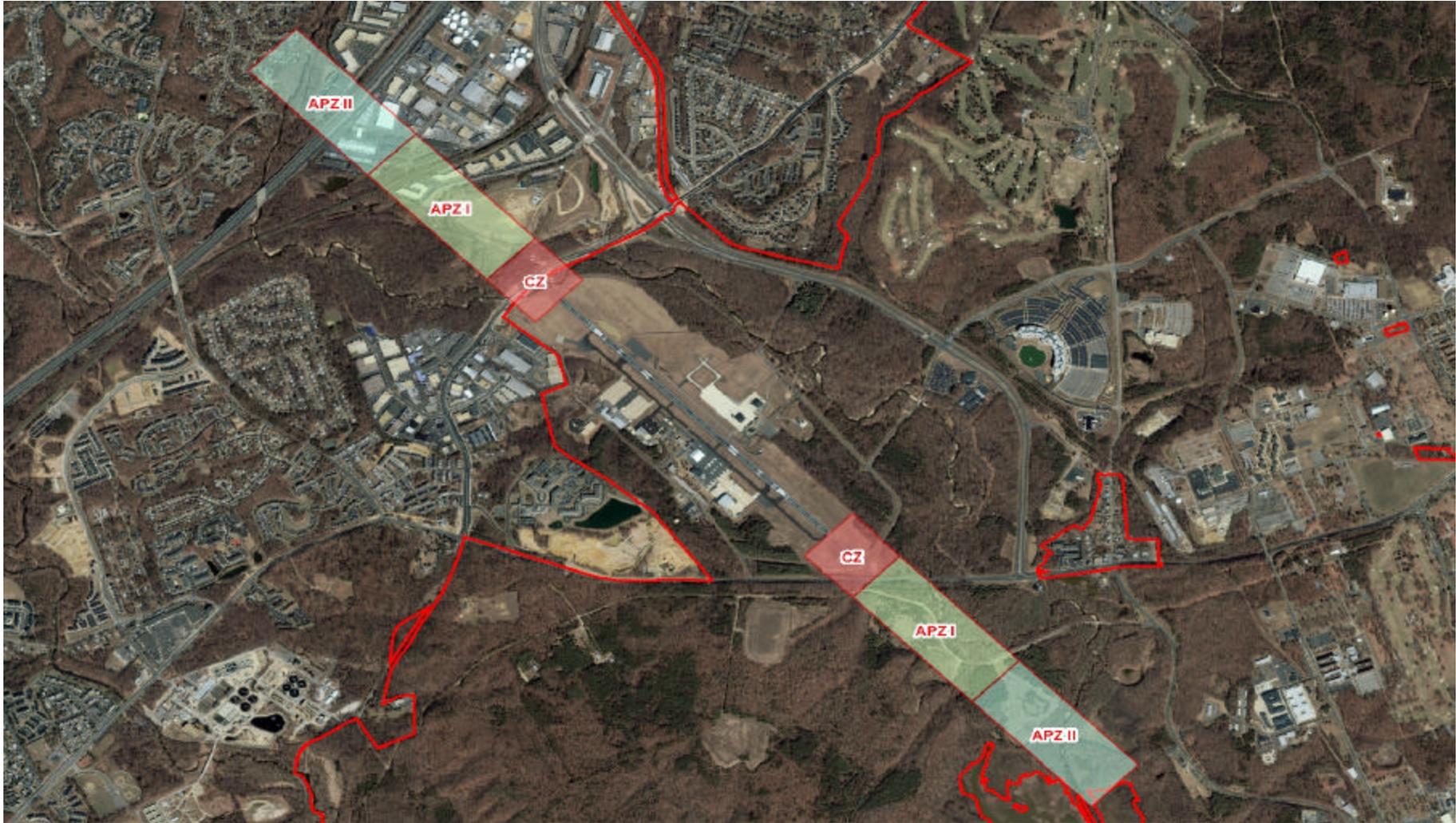
Fort Belvoir Range Complex



Transforming Through Base Realignment and Closure



Fort Belvoir APZ's



Transforming Through Base Realignment and Closure



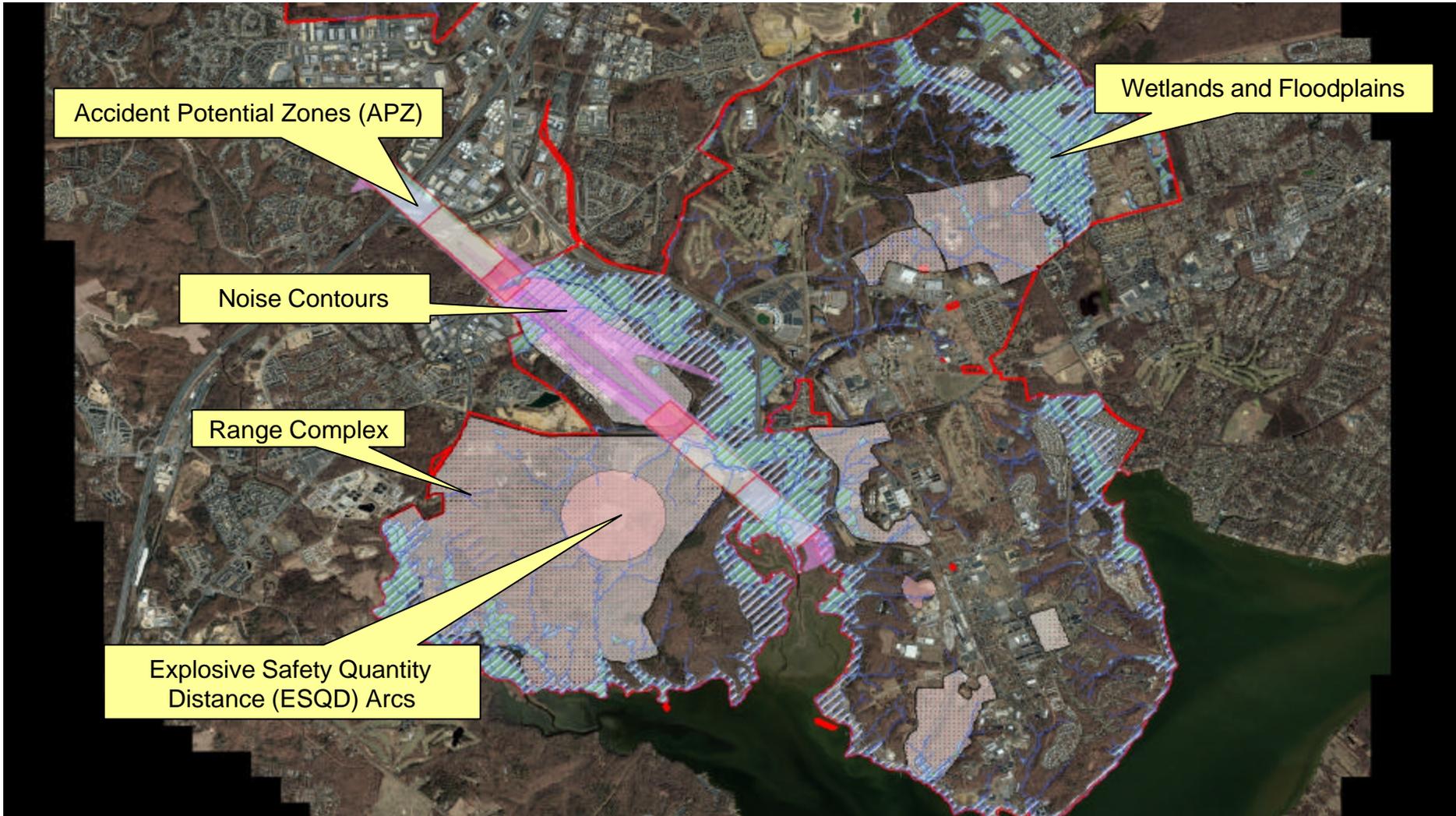
Fort Belvoir 100-Year Floodplains



Transforming Through Base Realignment and Closure



Fort Belvoir Composite



Transforming Through Base Realignment and Closure



OSD IVT Tool

What are the differences?



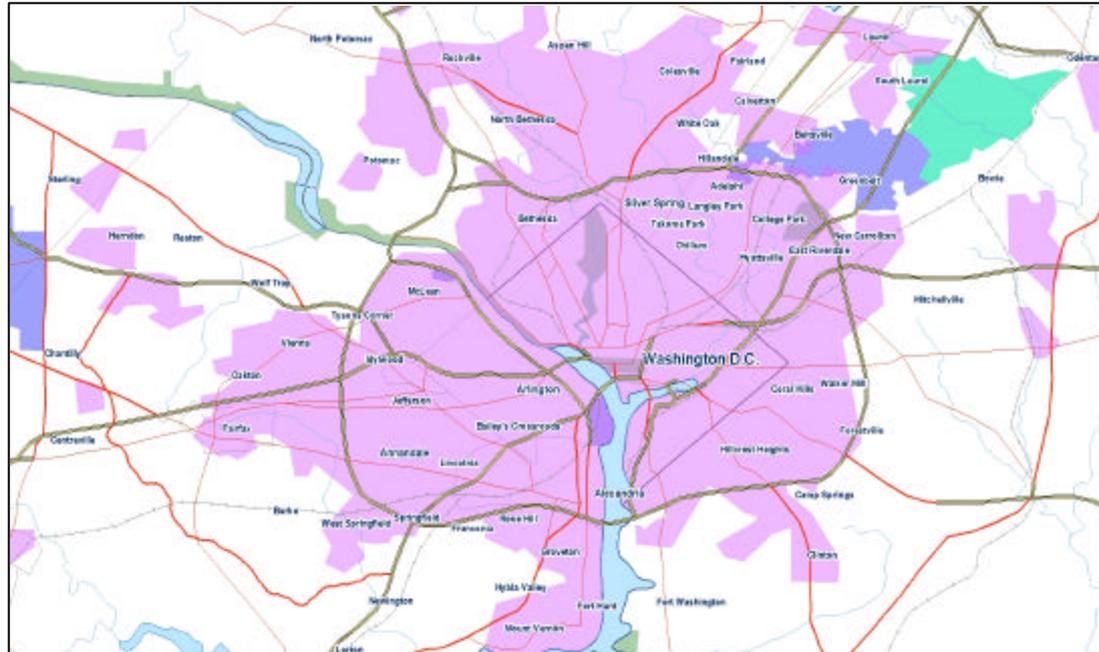
Additional Data Sets

National Data

- Major Roads
- Place Names
- Urban Areas
- Hydrography
- Federal Lands
- EcoRegions

Installation Data

- 240 Total installations from the Army, Air Force, Navy, Marines and DLA.
- 88 Army Installations
- 32 Army National Guard Installations--Not included in the OSD IVT but available to TABS





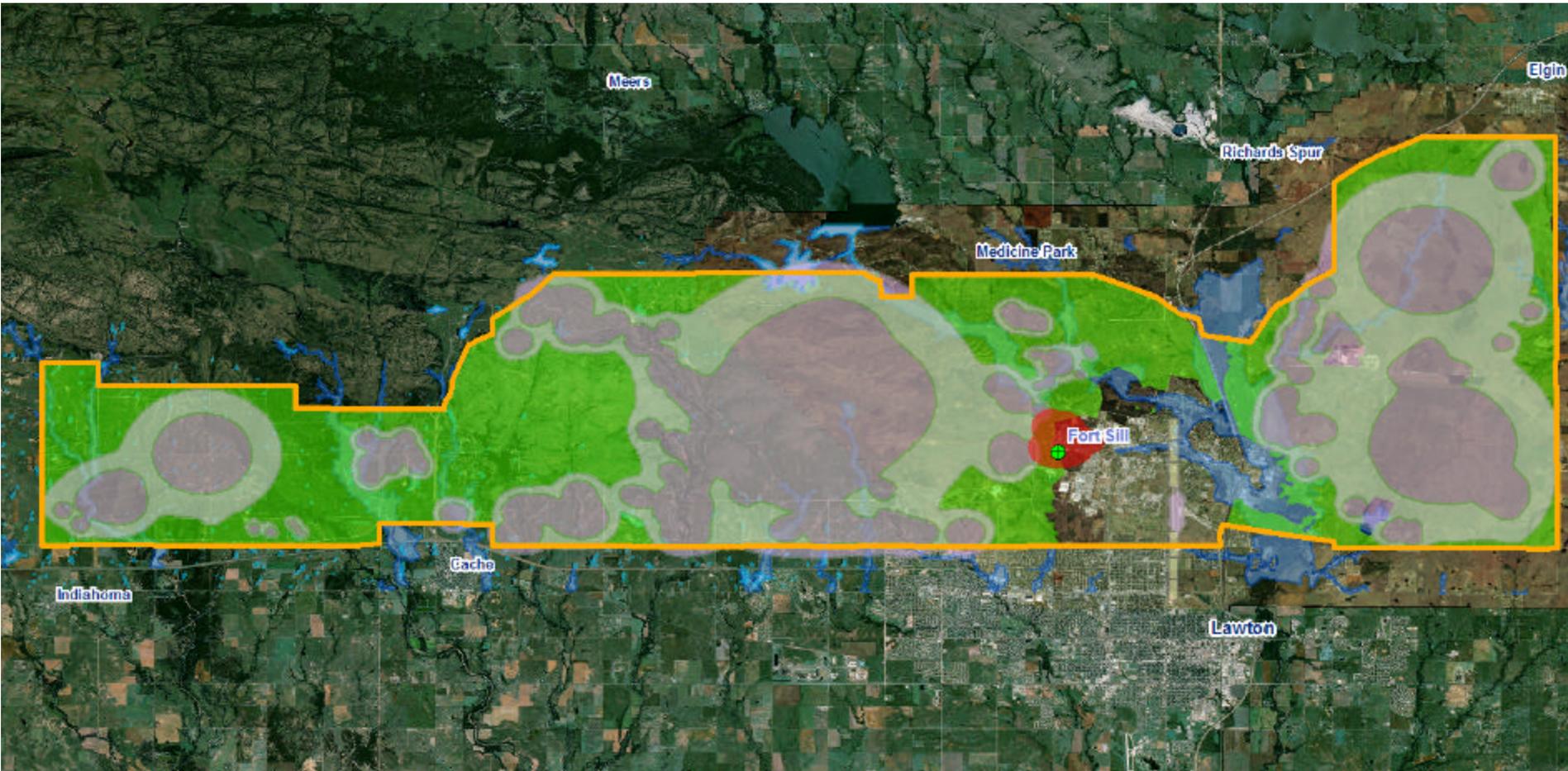
Fort Sam Houston



Transforming Through Base Realignment and Closure



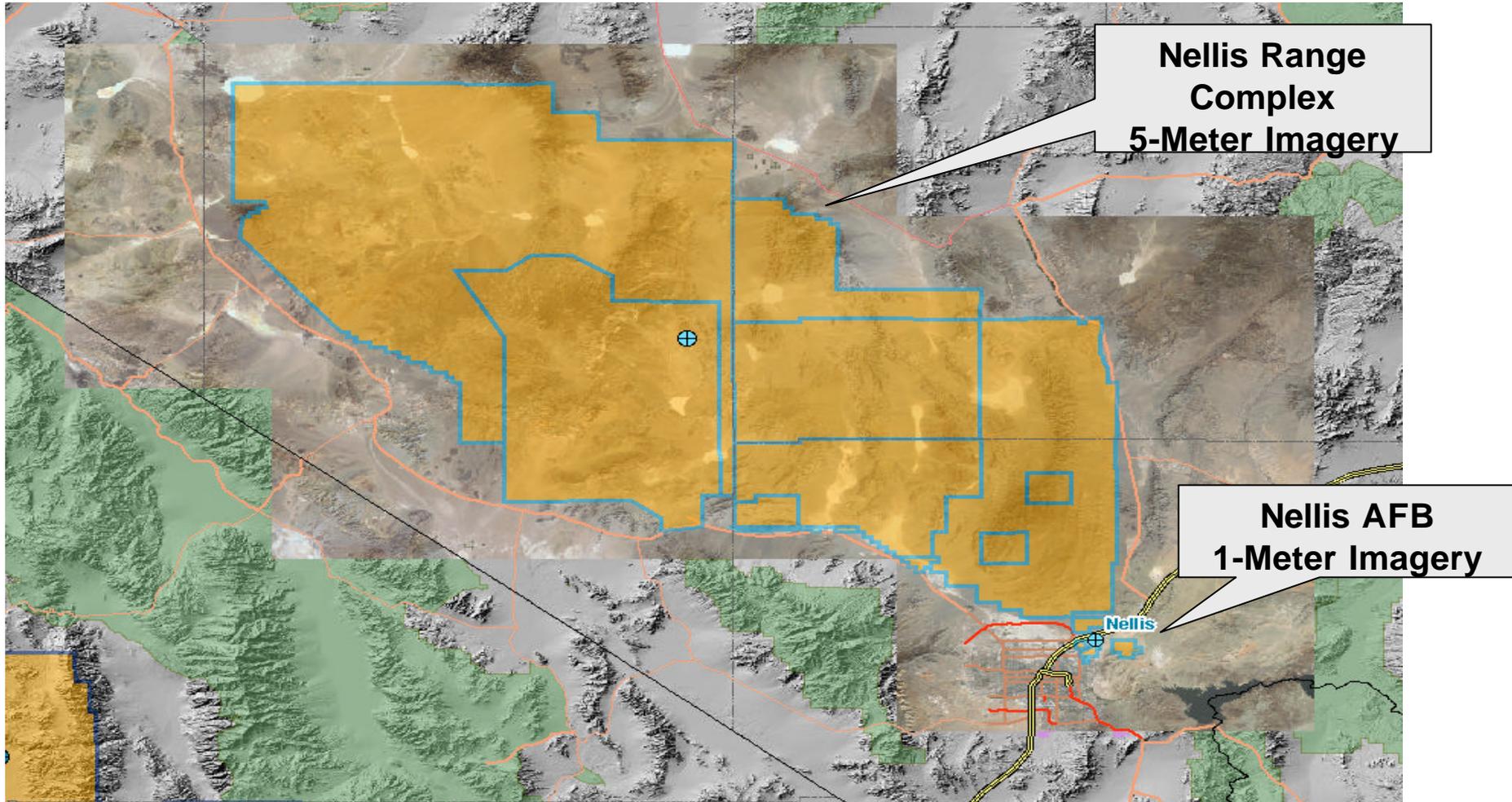
Fort Sill



Transforming Through Base Realignment and Closure

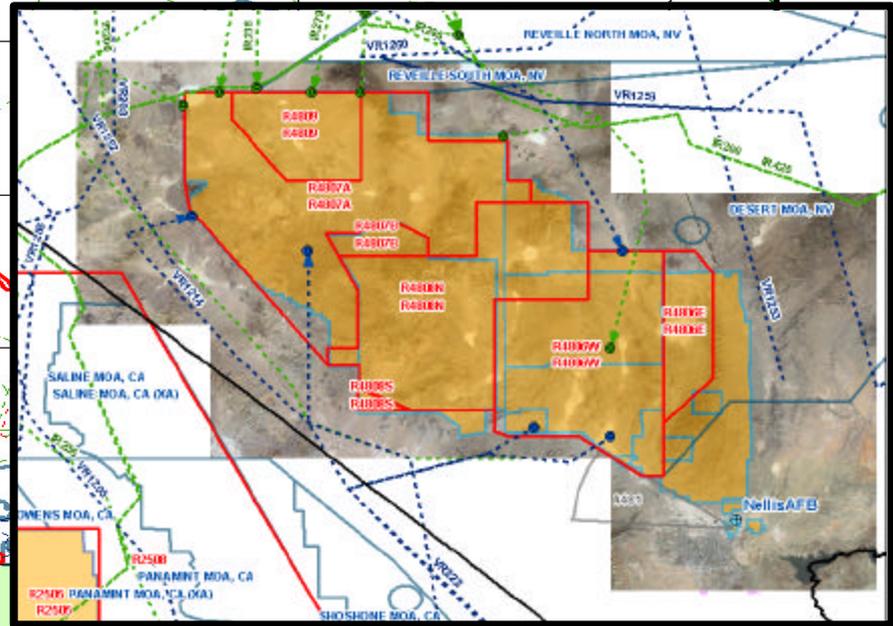
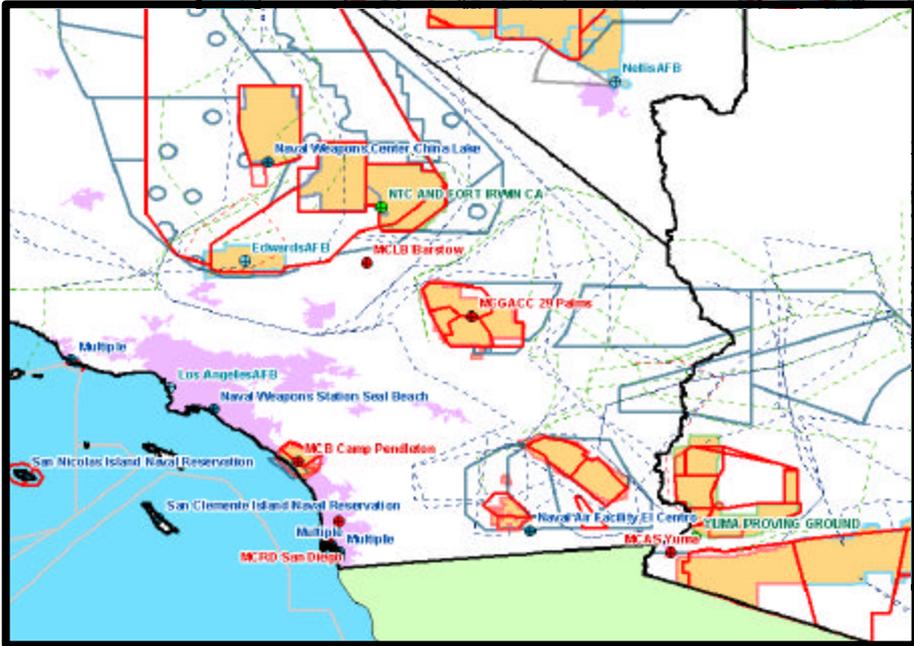


IVT Installation and Range Picture





Military Training Routes and Special Use Airspace



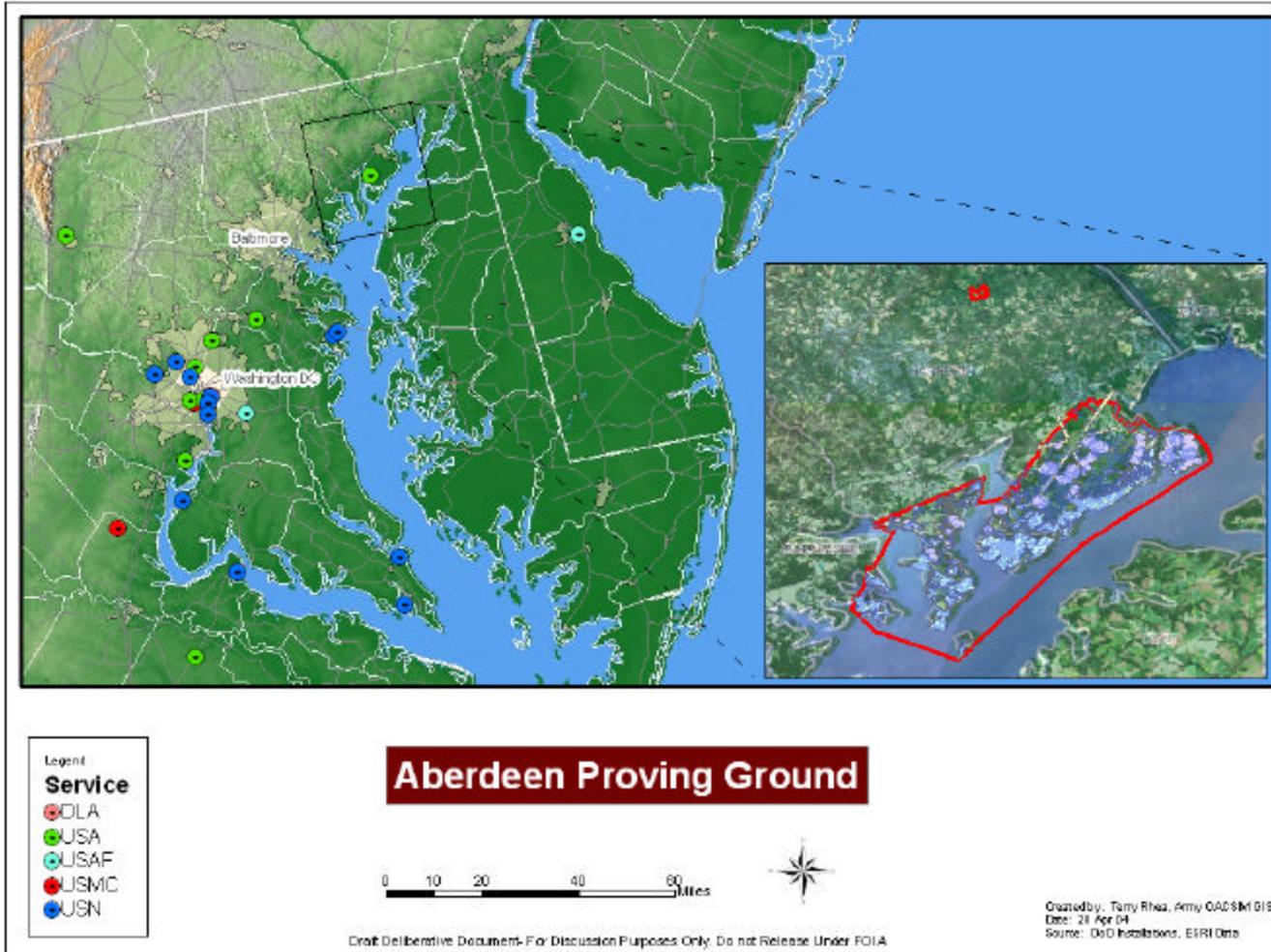
Transforming Through Base Realignment and Closure



Other Map Products Available

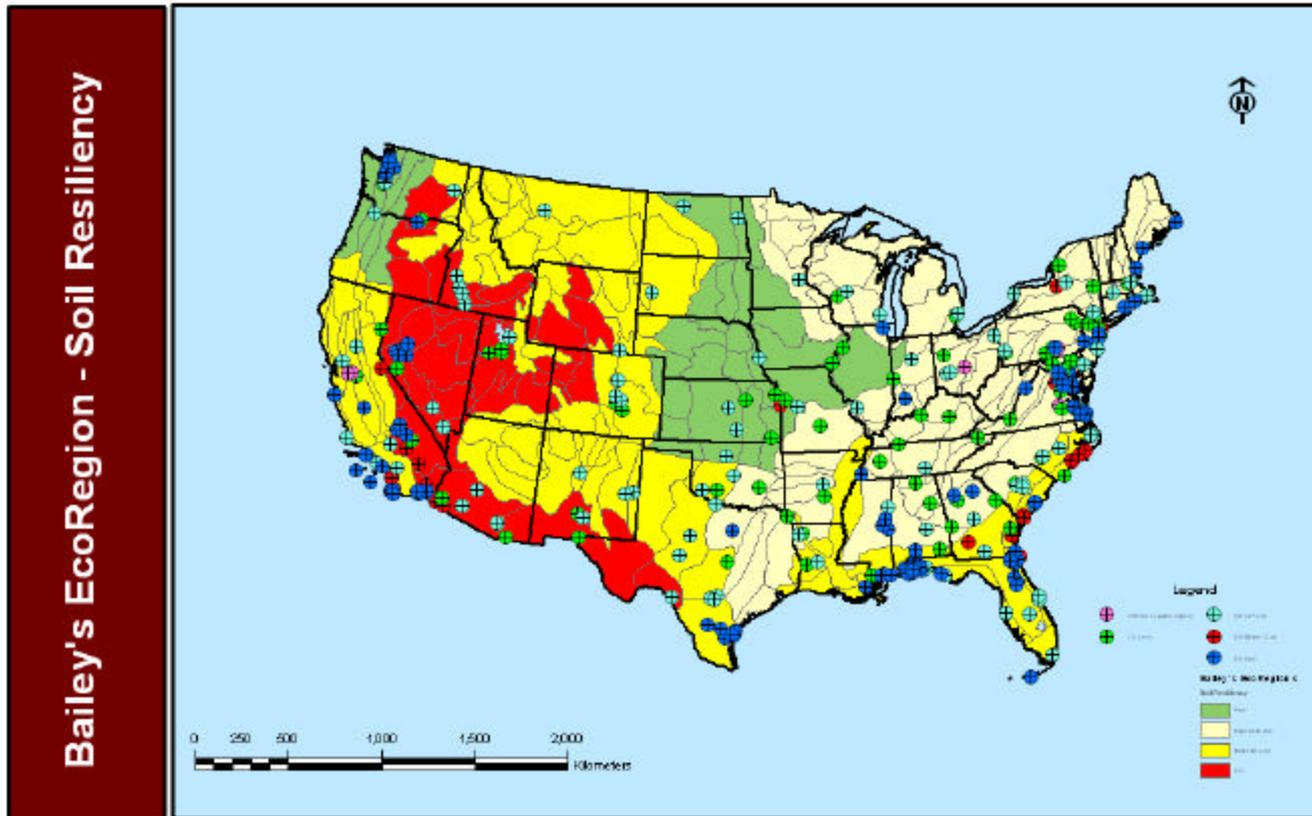


Service Location Awareness





National Data Sets





ArcReader Demo





Summary

1. Requesting IVT Products:

- Coordinate direct with Terry Rhea
- Electronic IVT Request Form

2. Products Available

- ArcReader Maps (available from your computer)
- OSD IVT
- Special Map Products

3. Value Added

- Situational Awareness
- Visualize Constraints
- Contextual data