

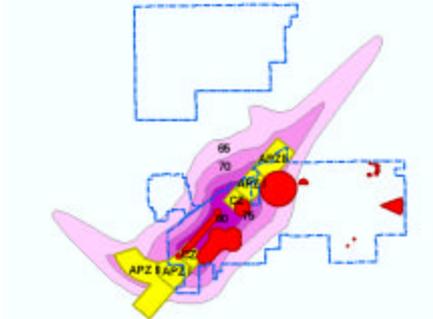
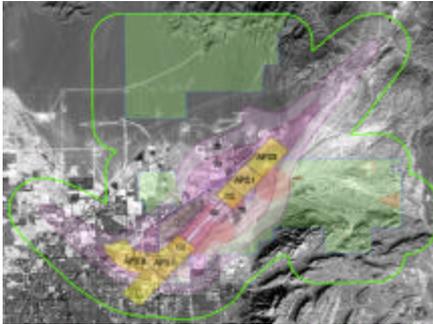


DCN: 10259

Installation Visualization Tool (IVT) Overview

WHAT IS IT ?

Digital Map



Digital Map to enhance Situational Awareness using Remotely sensed Imagery and legacy Data Layers.

- Used by all Federal agencies
- IVT is just ONE specific use

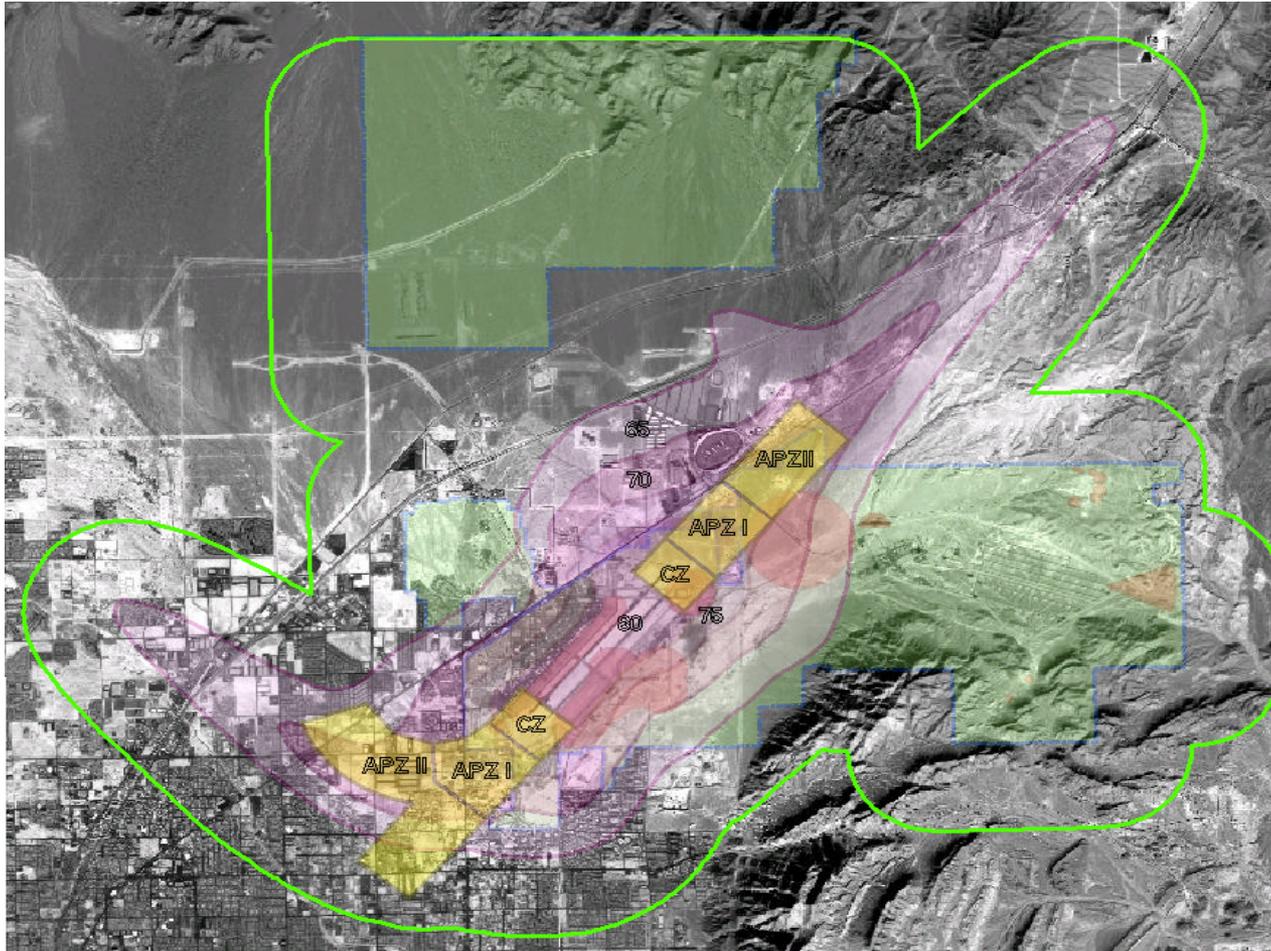
Tool for use by our installations

Deliverable to OSD May 2004

NIMA pays Title 50 costs of Imagery



Digital Map

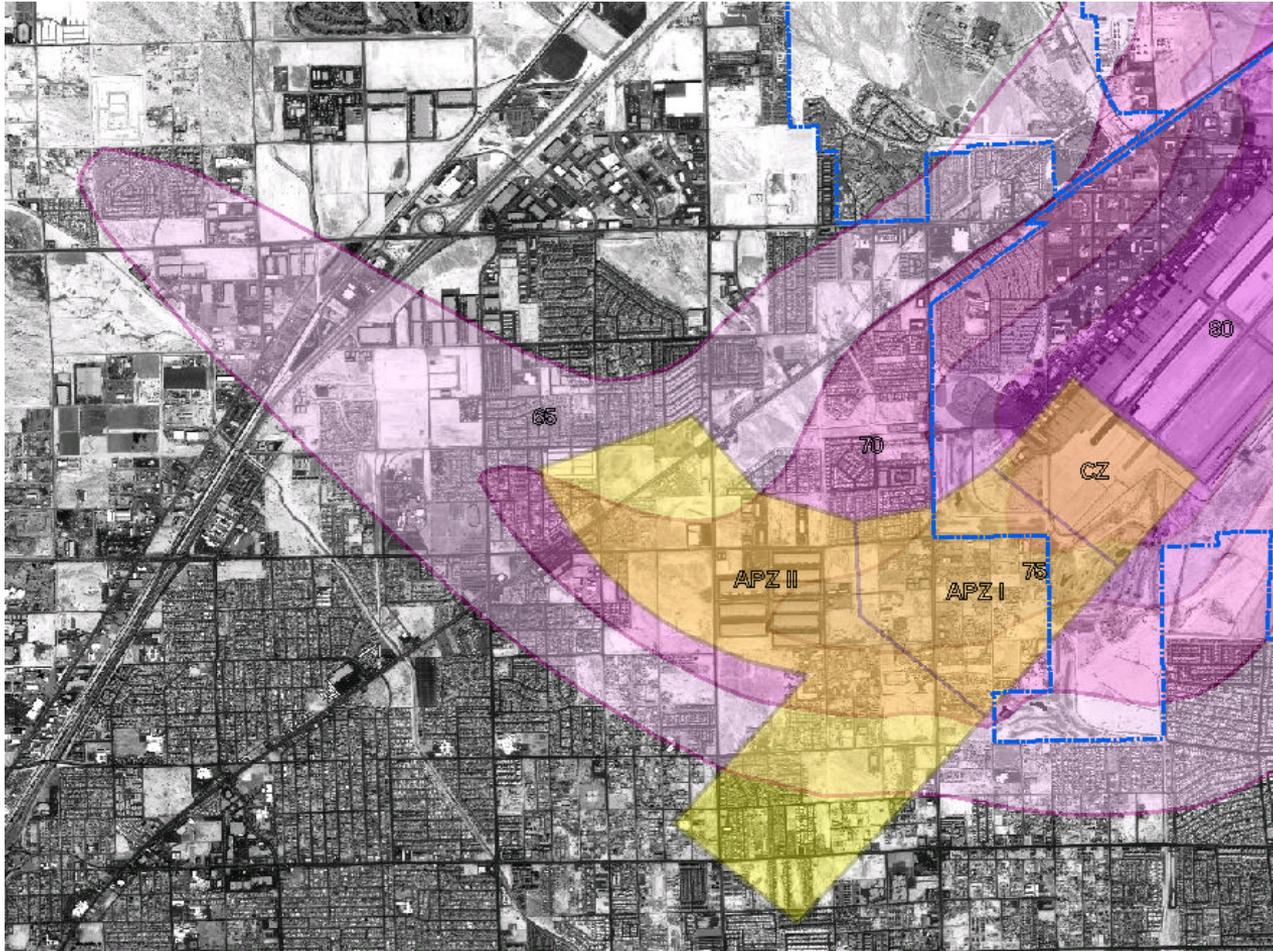


Digital Map
Situational Awareness
Remotely sensed Imagery
Data Layers

Nellis AFB, NV



Digital Map



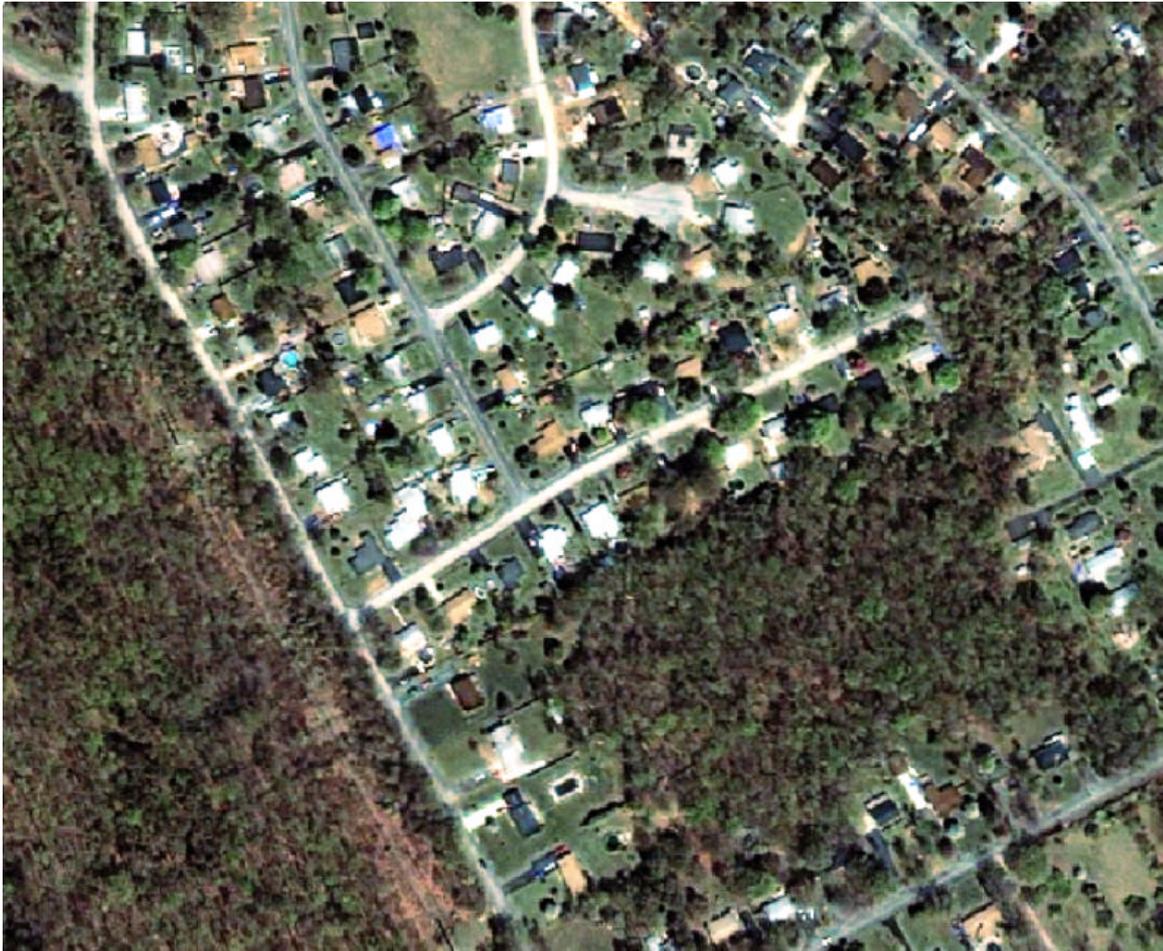
Situational Awareness
Interaction of Nellis AFB
and surrounding Las Vegas
External Pressures
(Encroachment)

Data Layers Shown:
Imagery
Installation Boundaries
Accident Potential Zones
Noise Contours

Nellis AFB, NV



Example of Imagery



True Color Image
(Pan Sharpened)

Cantonment area

1-meter resolution

4 meter CE90

1 Jan 2000 or later

20% or Less Cloud Cover

Same season/same year

Aberdeen Proving Ground



Example of Imagery



- Panchromatic
- Maneuver/Training Areas
- 5-meter resolution
- 25 meter CE90
- 1 Jan 2000 or later
- 20% or Less Cloud Cover
- Same season/same year

Pope, AFB

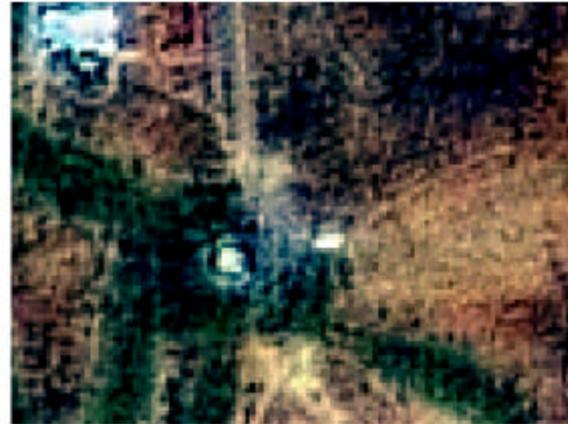


Image Resolution

What is the difference ?



1-Meter Resolution Imagery

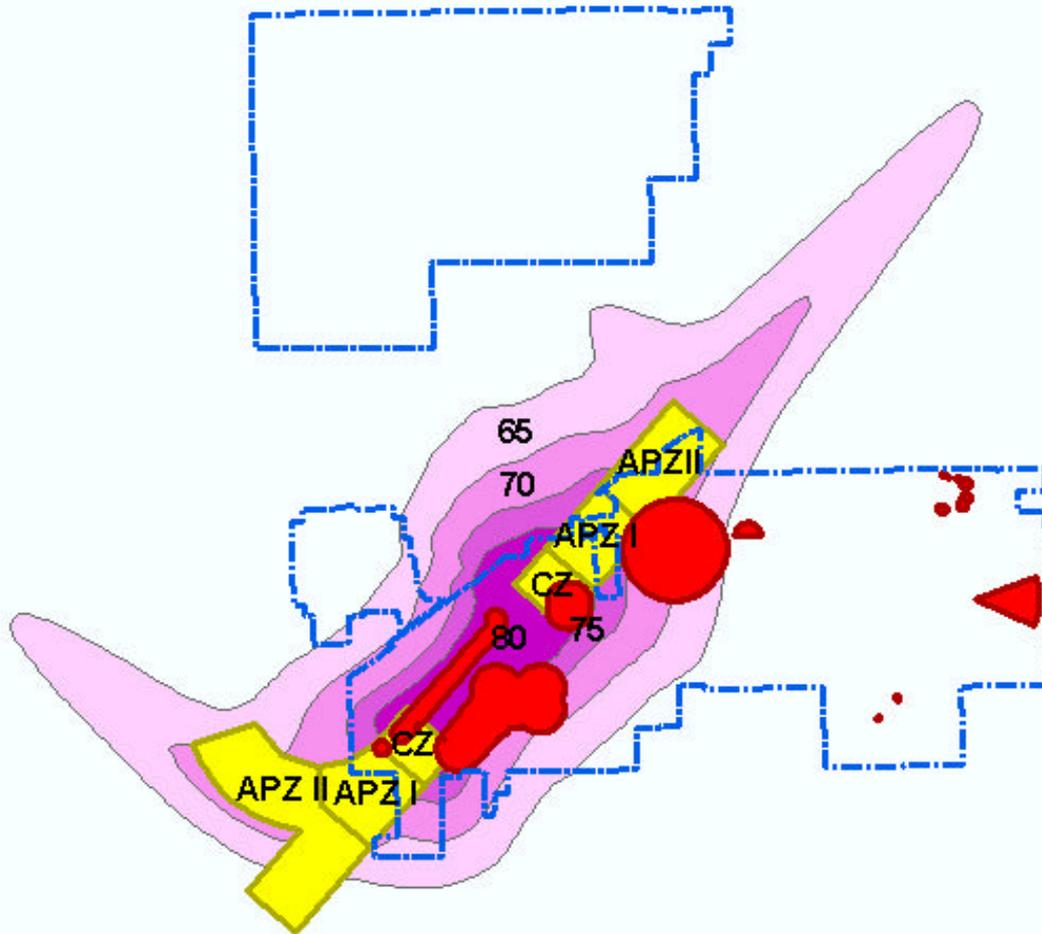


5-Meter Resolution Imagery

Same view of points on the ground



Digital Overlays



Digital Overlays
(Vector Shape Files)

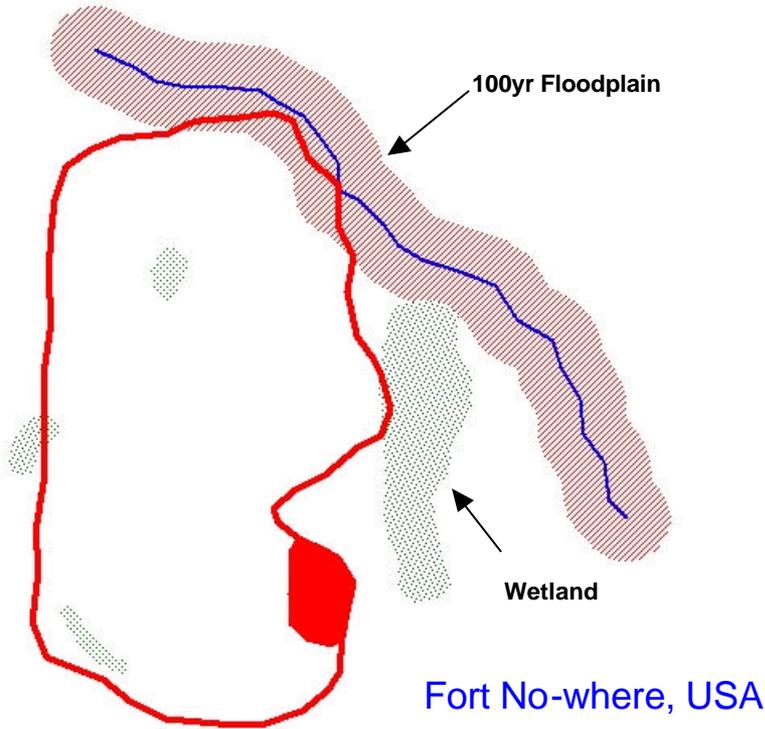
Data Layers Shown:
Installation Boundaries
Accident Potential Zones
Noise Contours

(Shown as merged)
Explosive Safety Quantity
Distance Arcs (ESQDs)
Wetlands
Floodplains

Nellis AFB, NV



Floodplains and Wetlands



Digital Overlays
(Vector Shape Files)

Visualization of Information
and Interactions

Data Layers Shown:
Wetlands
Floodplains

**Natural Buffers
to external encroachment**



Need Your Help

Review Imagery

Obtain Data Layers



Review Imagery



Review Imagery
(Installations)

Discontinuous Scenes

Data Layers Shown:

Temporal Extent

1 Jan 2000 or later

20% or Less Cloud Cover

Same season/same year

Aberdeen Proving Ground



Obtaining Data Layers

DoD Installation Visualization Tool Quality Assurance Plan



29 September 2003

Prepared by the
Headquarters Air Force Geospatial Office
Office of the Civil Engineer
DCS/Installation & Logistics
1200 Air Force Pentagon
Washington DC 20330-1200

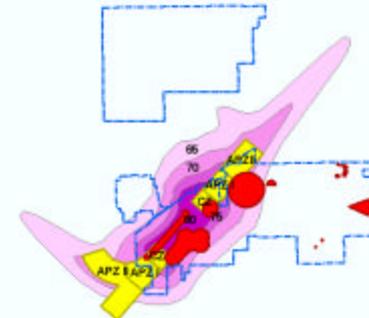
Draft Deliberative Document – For Discussion Purposes Only
Do Not Release Under FOIA

Quality Assurance Plan Defines Meta-Data

No NEW collection Efforts

Data Layers – Overlays
(Vector File Format)

~~Imagery~~ provided by NIMA
Installation Boundaries
Accident Potential Zones
Noise Contours
Explosive Safety
Distance Quantity Arcs
Wetlands
Floodplains



Collection Means: Best Available Technology



Questions

TABS Point of Contact: LTC Greg Fleming, TABS, 703.696.9788

Technical Point of Contact: Mr. Josh Delmonico, ACSIM, 703-428-7388

5-Representatives. 1-Each at regional IMA HQs. (TBD)