



Sustaining Army Readiness Installation Status Report

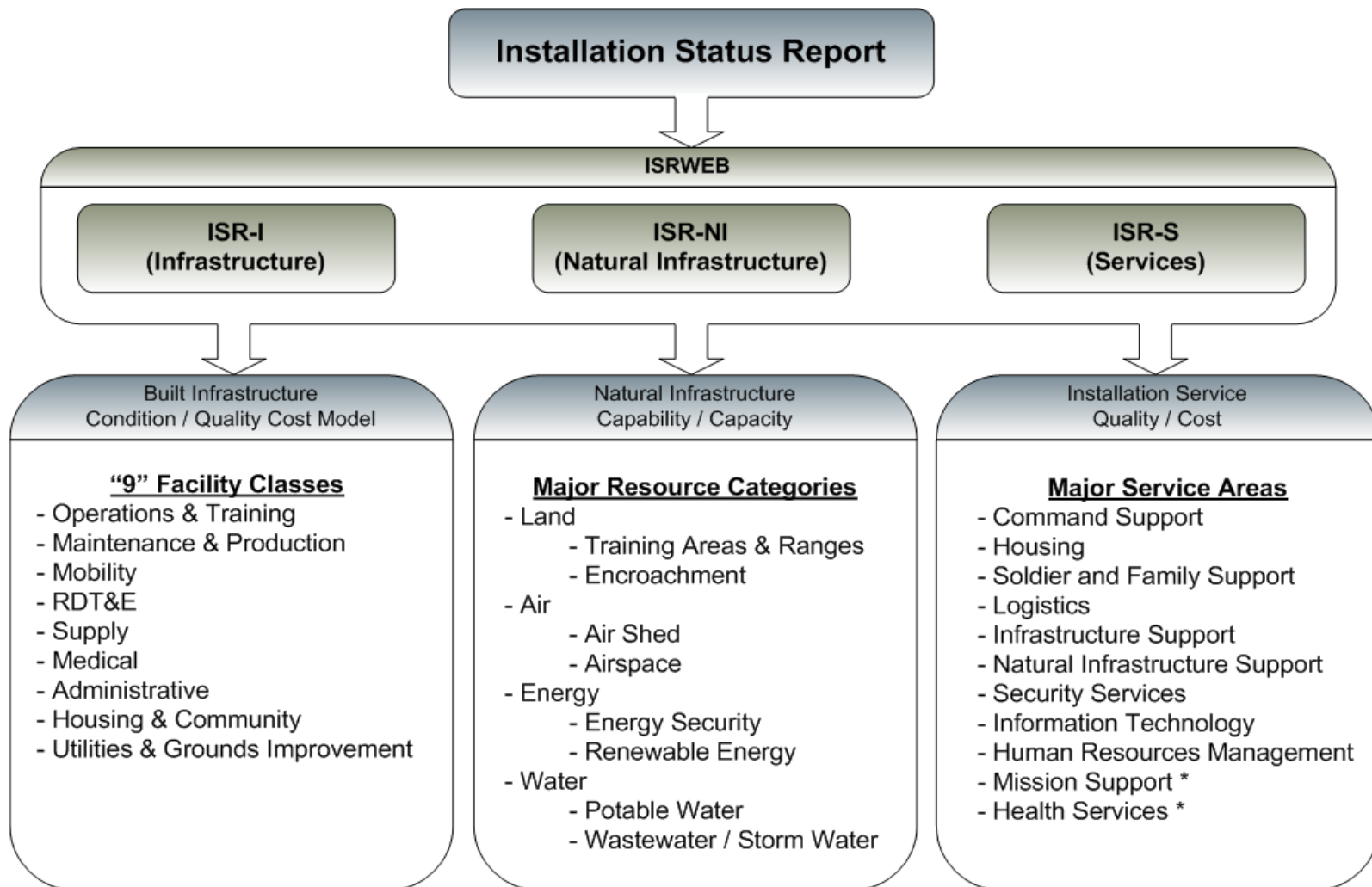


Installation Status Report

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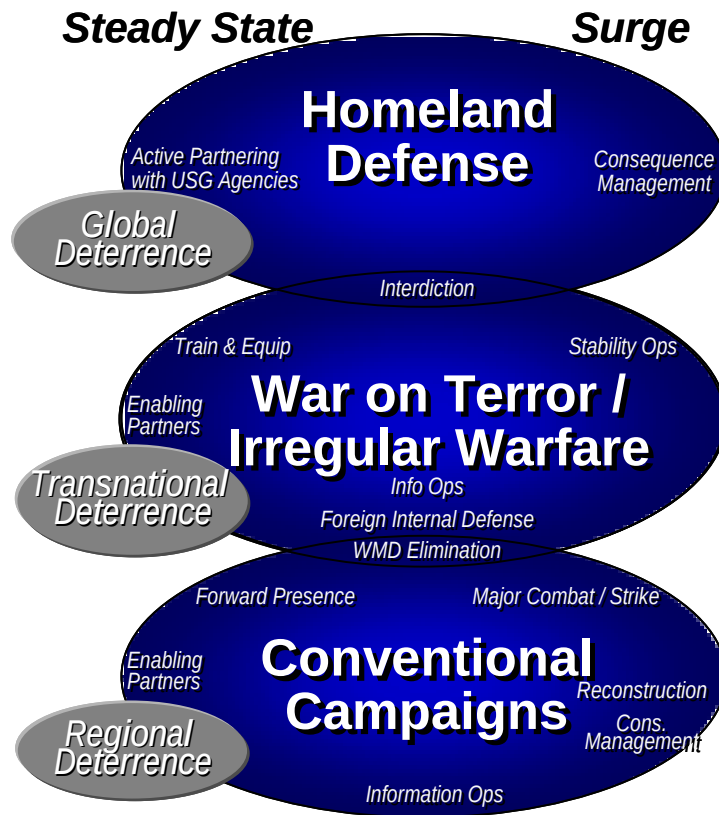
Components of ISR



*Non-BOS Major Service Areas



Why ISR-NI?



Sizing Variables:

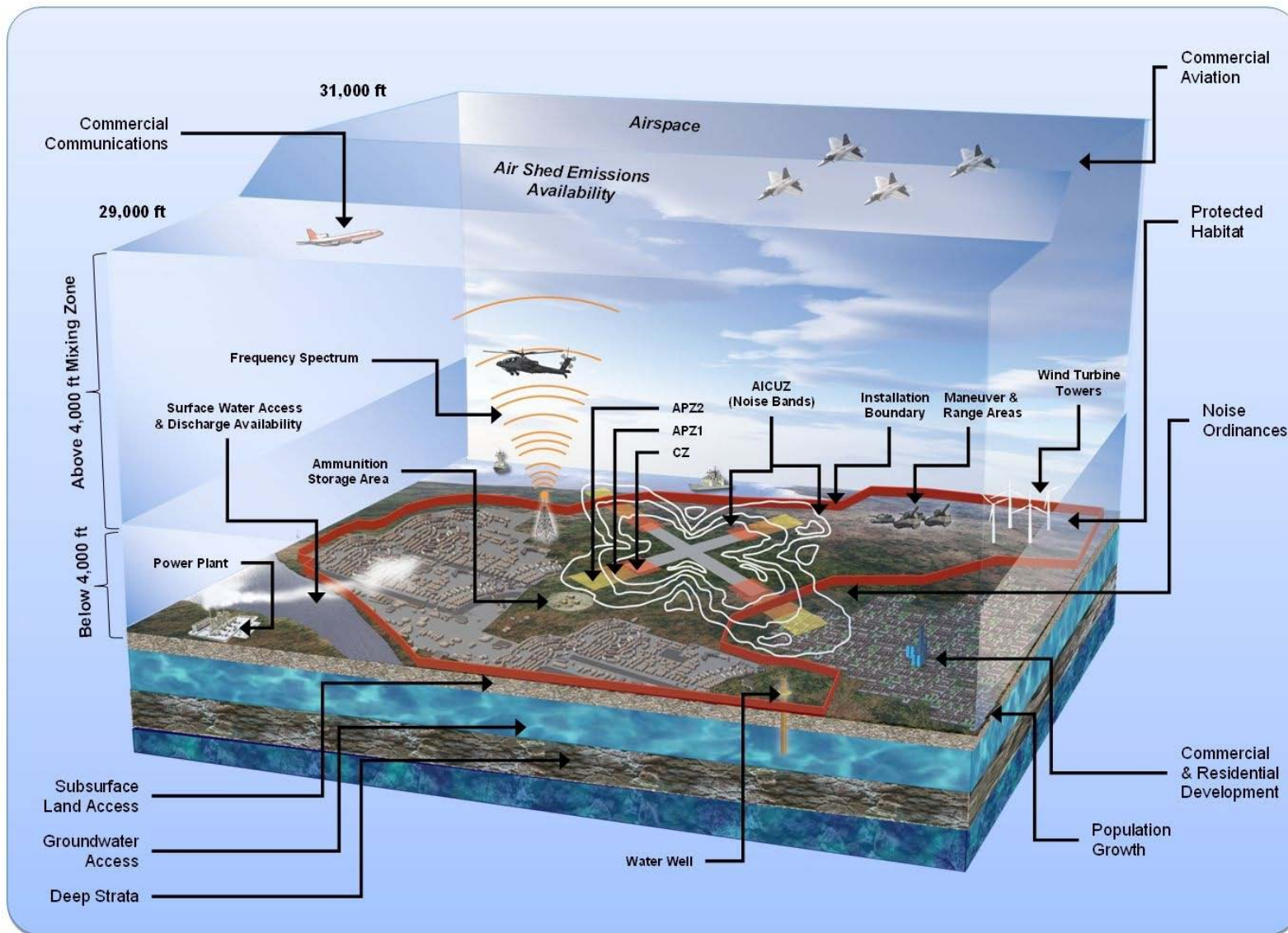
Frequency	Number	Scale / Intensity
Concurrency	Ops	Risks
Duration	Policy	Environment
Partner	Capabilities	



ISR-NI Focus

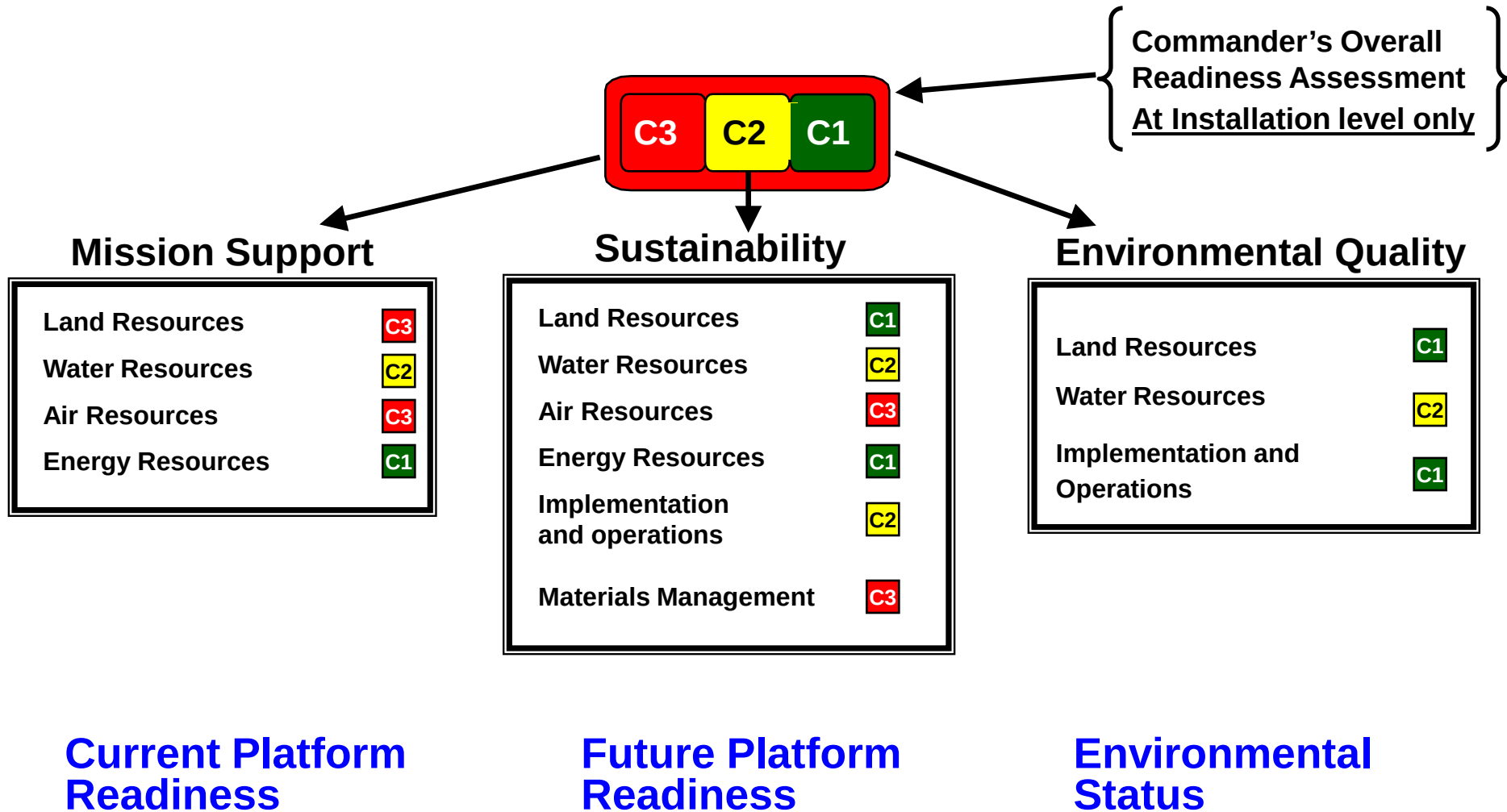
- Natural Infrastructure provides the following:
 - Quantitative and spatial analysis through an interactive GIS Viewer
 - Ability to perform ‘what-if’ scenarios to provide visibility of mission impacts before they occur
 - Mission essential indicators and risk scores help assign priority for mitigation measures
 - Status of actionable sustainability initiatives and milestones
 - Consolidation of existing natural asset data (e.g., training areas, energy, water, airspace) into an ‘early warning system’

ISR-NI Focus





ISR-NI Framework





ISR-NI Data Requirements

- ISR-NI determines natural asset capability via Performance Measures
 - ISR-NI Measures
 - 170 performance measures for NonVirtual Organizations
 - 86 performance measures for Virtual Organizations
- Auto-populate from existing feeder systems (data consistency)
- Installation data within system persists from year to year, validate and update each cycle
- Rating criteria aligns with Army standards
- ISR-NI requires installation support to be successful – **YOU** know your installation and how ISR-NI can best serve you



Measures / Functional Leads

Primary Functional Organization-Sustainability Measures	# of Measures	Percent of Total Measures
PAIO	6	11.8%
DPTMS	3	5.9%
DOL	3	5.9%
DPW	36	70.6%
Master Planning*	3	5.9%
Total of 51 Measures	51	100%

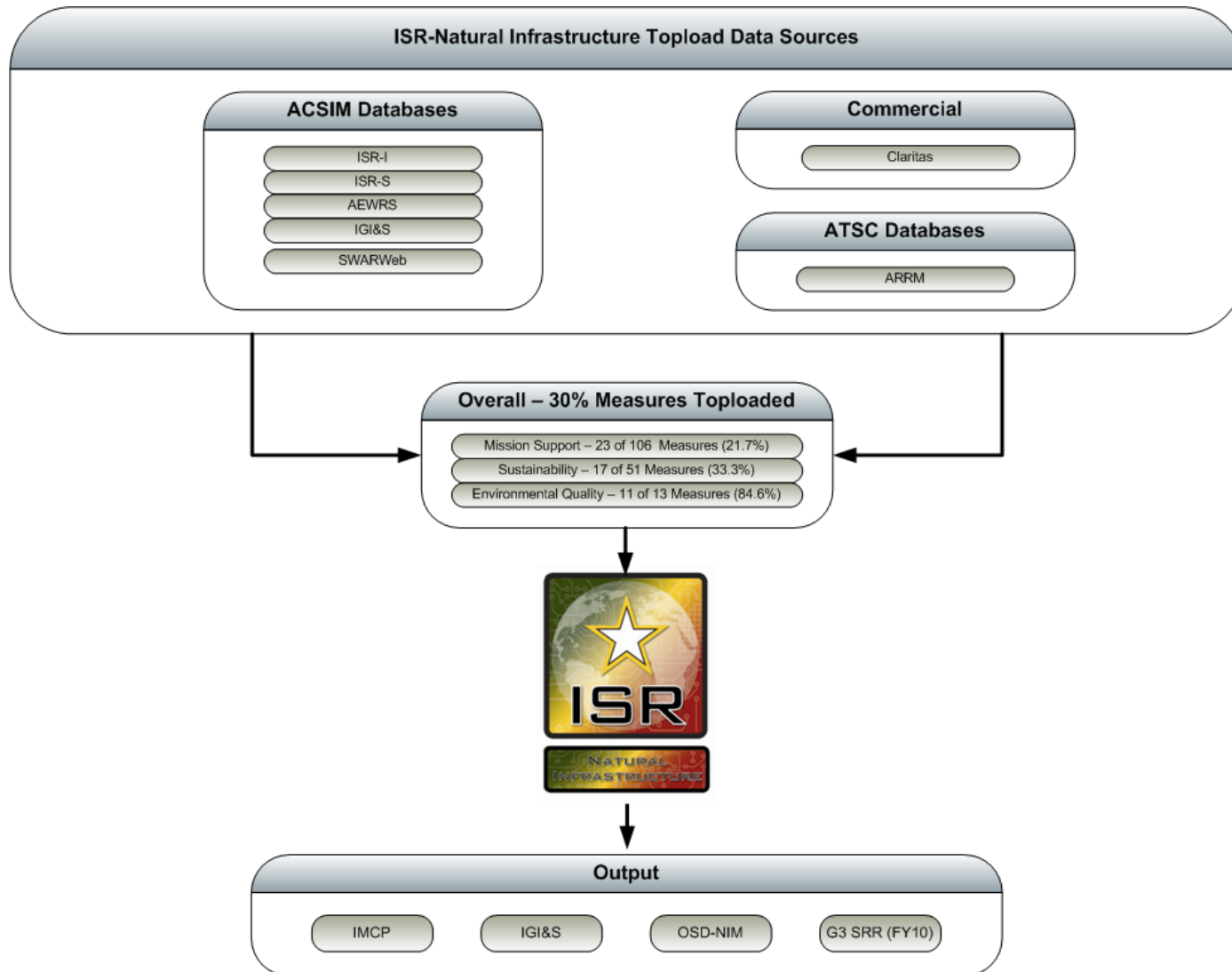
*These functional leads are identified for assistance and are listed for informational purposes.

Primary Functional Organization-Mission Support	# of Measures	Percent of Total Measures
DOL	5	4.7%
DPW	51	48.1%
DPTMS	35	33%
NEC	7	6.6%
Environmental	5	4.7%
Master Planning	1	0.9%
Force Protection/Security	2	1.9%
Total of 106 Measures	106	100.0%

Primary Functional Organization-Environmental Quality	# of Measures	Percent of Total Measures
DPW	13	100%
Total of 13 Measures	13	100%



ISR-NI Connection to Army Databases



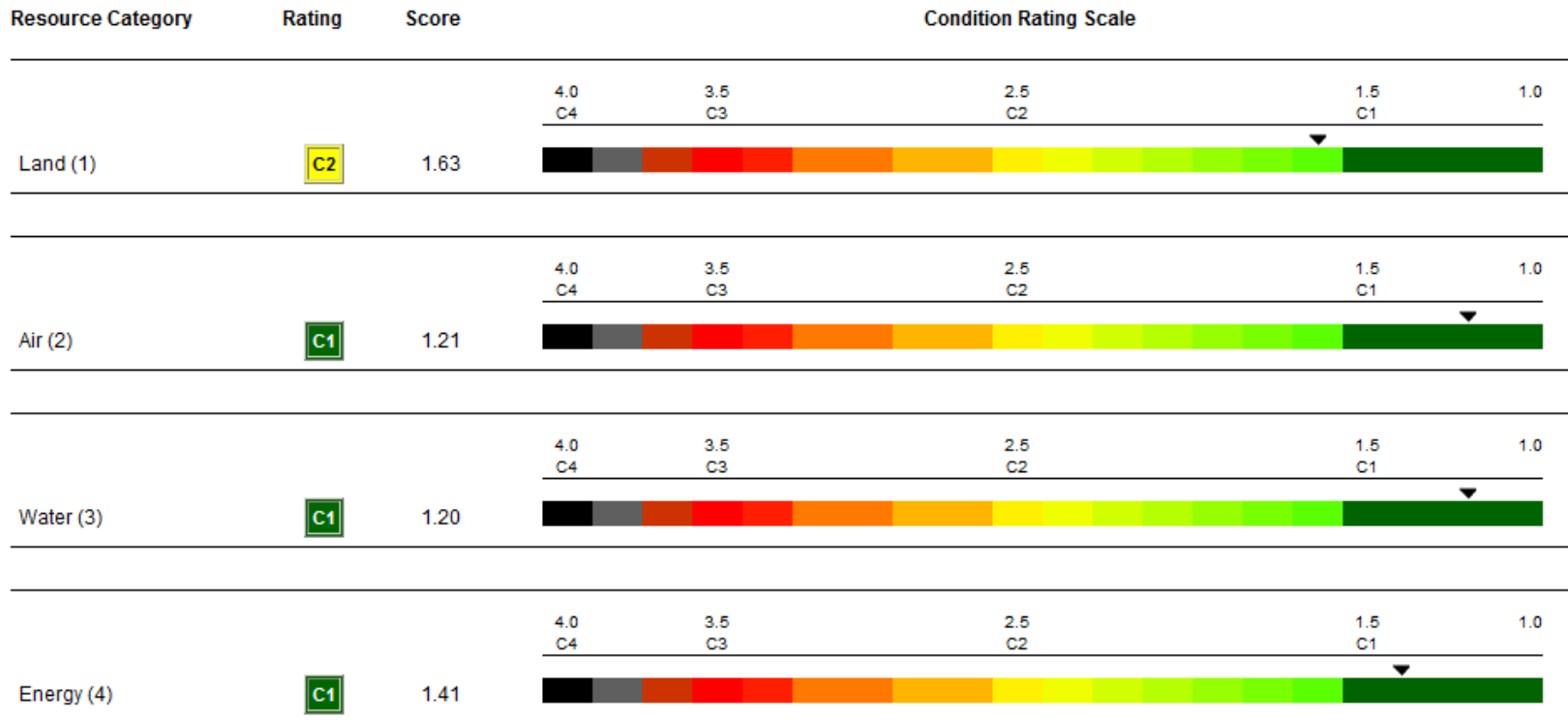


Measure Rating Definitions

Color Ratings		
Color	Score	Rating Description
Green +:	1	Additional Capability or Outstanding Performance
Green:	1	Supports current mission without work-arounds (adjustments that can increase time and/or cost)
Amber:	2	Minimal or moderate work-arounds (adjustments that can increase time and/or cost) required to accomplish mission
Red:	3	Cannot fully support current mission, or may require significant work-arounds (adjustments that can increase time and/or cost) to accomplish mission
Black	4	Cannot support mission



Mission Support Results



Sliding Scale Report displays numerical value within condition rating spectrum



Land Results

Resource Category	Resource SubCategory	Rating	Score	Condition Rating Scale
Land (1)	Encroachment (02)	C1	1.26	4.0 C4 3.5 C3 2.5 C2 1.5 C1 1.0
Land (1)	Trng Areas & Ranges (01)	C2	1.87	4.0 C4 3.5 C3 2.5 C2 1.5 C1 1.0
Land (1)	Land Use & Planning (03)	C2	1.65	4.0 C4 3.5 C3 2.5 C2 1.5 C1 1.0
Land (1)	Land (00)	C1	1.29	4.0 C4 3.5 C3 2.5 C2 1.5 C1 1.0
Land (1)	Cultural & Natural Res (05)	C1	1.17	4.0 C4 3.5 C3 2.5 C2 1.5 C1 1.0



FY11 Training Areas and Ranges (MS101)

- Shortfall of maneuver training land on majority of installations due to increase in doctrinal requirements
- 25% of installations have issues that can significantly impact training in the next 5 years. Examples include:
 - Training Land Shortage
 - Threatened and Endangered Species
 - Environmental Issues
 - Water Shortage



FY11 Training Areas and Ranges (MS101)

Reason for FTX Workaround	Number of Inst
Weather issues (too dry, too hot, too windy)	27
Vegetation issue (too thick/dense)	18
Threatened and Endangered Species Issue	15
Wetland issues	13
Smoke/Obscurant issues	11
Noise Issues	13
Frequency issues	10
Cultural Site Issues	10
Air Space issues	6
Other	6
Dust	2



ISR-NI Data Input Module

Fort Example

- ISR Category
 - Mission Support (MS)
 - Land (1)
 - Encroachment (02)
 - Trng Areas & Ranges (01)**
 - Land Use & Planning (03)
 - Air (2)
 - Airshed (06)
 - Airspace (07)
 - Radio Frequency (08)
 - Water (3)
 - Potable Water (10)
 - Wastewater / Storm Water (11)
 - Energy (4)
 - Energy Security (13)

Validate Data
Transfer Data to Command Viewer
Reports
Metric Conversions
Map It
Map It - Instructions

ISRWEB Navigation | Select Org | Logout | ? Help

Resource SubCategory: Training Areas & Ranges (01) **Readiness:**

Standards | Add/Edit Resources | General Comments

2. Maneuver Lands - Available Maneuver Land Assets What is the total area available for maneuver training, after training restriction factors are subtracted from the total maneuver land area calculated in Standard #1?
Lead Proponent: DPTMS
Assistant Proponent: Range Manager, Environmental
Data Source: Toploaded from ARRM / ECM (Aug - Oct 2008)

Notional Data

Training Type Name	Total Maneuver Area (acres)	Total Number of Training Days Available	Total Acre Days	Total Acre Days Restricted	Available Acre Days Remaining	Percent Acre Days Available
Heavy Maneuver	83,656.7	365	30,534,695.5	4,028,140	26,506,555.5	86.8
Light Maneuver	108,727.7	365	39,685,610.5	5,069,959.5	34,615,651	87.2

Standard Calculation:

Encroachment Factors - Microsoft Internet Explorer

Resource Subcategory: Training Areas & Ranges (01)
Standard #: 2
Training Type Name: Heavy Maneuver

Encroachment Factor	Area Impacted (acres)	Days Encroached	Acre Days Encroached
Cultural Resource Sites	715.7	365	261,230.5
Fauna Critical Habitat	4,682.6	365	1,709,149
Fauna Threatened and Endangered Species	0	365	0
Flora Threatened and Endangered Species	64.8	365	23,652
Wetlands	5,766.8	365	2,104,882

Total Acre Days Restricted: 4,028,140

Done | Local intranet

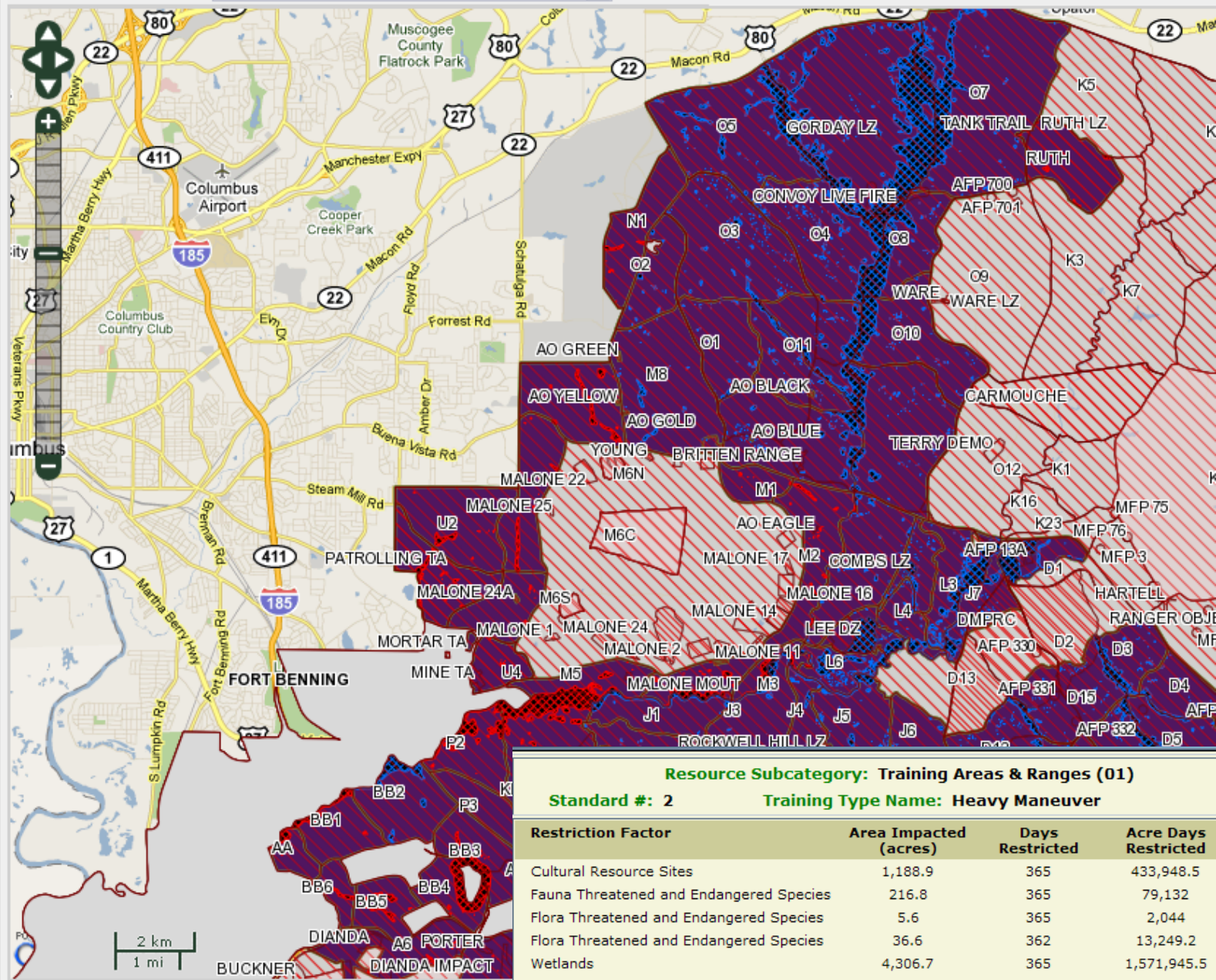
"Map It" Functionality
allows the user to validate the Auto-Populated Mission Support Land Measures.

Viewer Toolbox

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- ☐ Land - Future R
- ☐ Land - Current
- ☐ Land - Off-Post
- ☐ Land - Current
- ☒ Land - Maneuver
 - ☒ HM 001
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 - ☒ HM 039
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 - ☒ HM 303
 - ☒ HM 362
 - ☒ HM 365
- ☐ Land - Maneuver
- ☐ Land - Maneuver
- ☐ Land - Potential

Select one or more overlays:



Resource Subcategory: Training Areas & Ranges (01)

Standard #: 2

Training Type Name: Heavy Maneuver

Restriction Factor	Area Impacted (acres)	Days Restricted	Acre Days Restricted
Cultural Resource Sites	1,188.9	365	433,948.5
Fauna Threatened and Endangered Species	216.8	365	79,132
Flora Threatened and Endangered Species	5.6	365	2,044
Flora Threatened and Endangered Species	36.6	362	13,249.2
Wetlands	4,306.7	365	1,571,945.5
Safety/Other	433.8	365	158,337



FY11 Fenceline Encroachment (MS102)

- 41% of installations have contours that go off-post
- 62 installations have approximately 2 million acres under administrative control for training if mitigation measures occurred
- Future Encroachment – 45% of installations estimated to have significant population growth outside the base boundary in the next five years

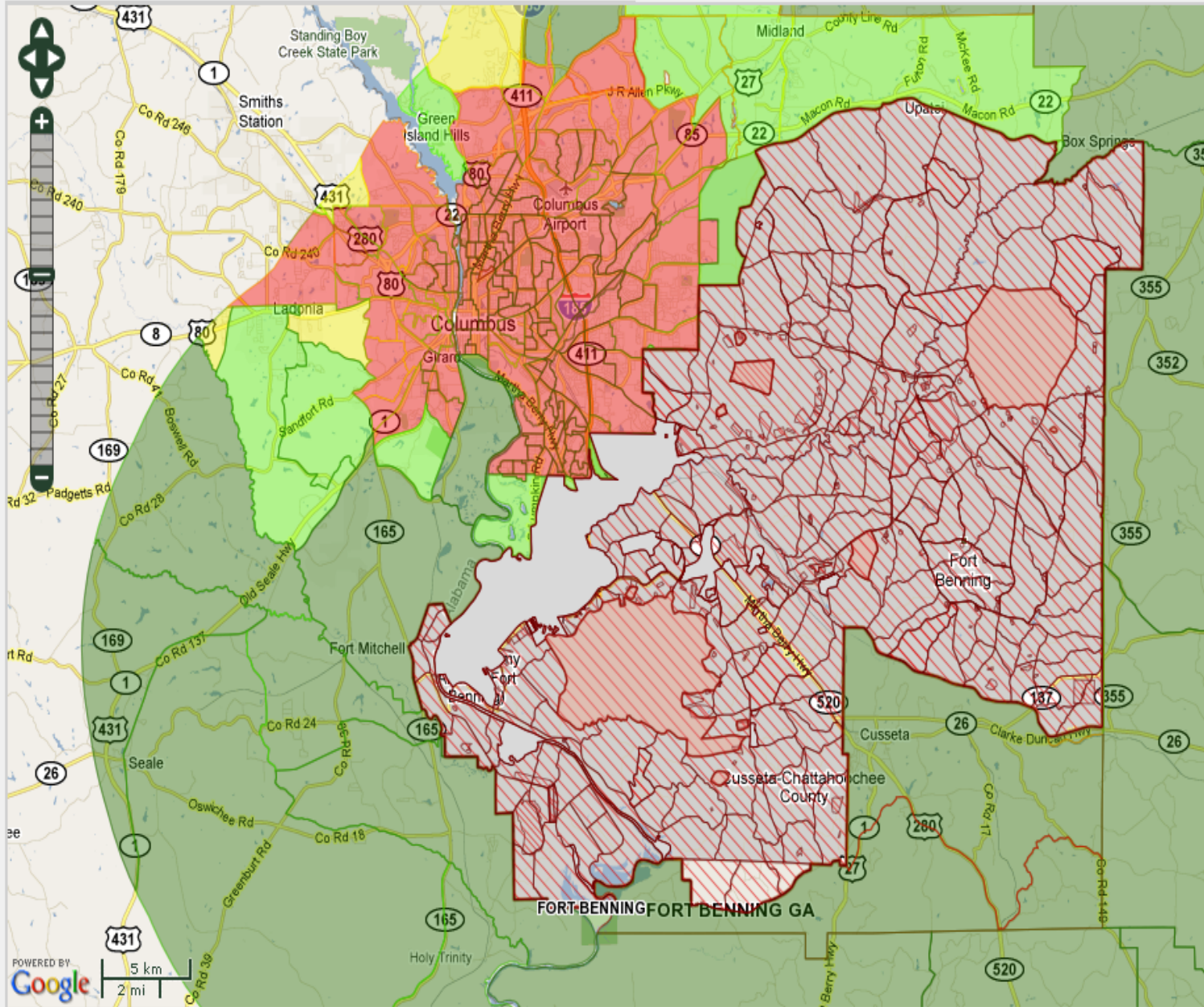
Viewer Toolbox

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 - ☒ Population Density (2008) 1
 - ☒ Population Density (2008) <
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 - Land - Maneuver Encroachment
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 - ☒ Source - IGIS: ISR-NI Analysis
 - Source - ECM: Maneuver Stand
 - Precipitation (Info)
 - ☒ Army Service (Info)
 - Training & Range

Select one or more overlays:

My Bookmarks Quick S



Questions?



Installation Status Report