Appendix

The following Appendix is provided as supplemental materials to support the JLUS process, JLUS Recommendations, and final JLUS products. The Appendix contains:

- A Background Report on potential development impacts affecting NSA Crane and the LGTF resulting from I-69 development.
- A summary of each Public Forum including Sign-In Sheets, presentations, handouts and a compilation of comments received during the NSA Crane Public Forums conducted in August 2015, February 2016, and November 2016 which were considered and reflected in the final JLUS documents.

This page left intentionally blank.

Appendix A -

Background Report on Potential Development Impacts affecting Naval Support Activity Crane and the Lake Glendora Test Facility Resulting from Interstate-69 This page left intentionally blank.

Introduction and Overview

In order to understand the potential development pressures that could impact military activities in the region, the areas in proximity Naval Supply Activity Crane and the Lake Glendora Test Facility were visited. The primary goal of these site visits was to identify areas which are more likely to face future real estate development pressures, specifically areas where additional new development could affect existing military operations at these sites.

A multi-pronged approach was used to identify areas which could face development pressure at the Naval Supply Activity (NSA) Crane and the Lake Glendora Test Facility (LGTF). Master plans and other published studies were evaluated, to provide a baseline of data particularly regarding economic development activities and expected housing development. In addition, information related to the expansion of Interstate 69 in the areas to the north and west of NSA Crane was also reviewed, particularly as it relates to additional development pressures created by the improved access provided by the new highway.

Economic development literature was also reviewed to provide contextual information on factors which are related to site selection and the desirability of sites for development. In addition, published information related to residential development factors and site selection was also reviewed.

Finally, the majority of roads surrounding each facility were driven, to provide context to the level and type of existing development, and to gain a better understanding of site factors such as slopes, grades, access and other development considerations.

The remainder of this Technical Memorandum provides more detailed information on the approach and specific research findings of this analysis.

Methodology and Data Resources

The primary focus of this analysis is the Coordination Military Compatibility Areas (MDA) for NSA Crane and LGTF. As discussed elsewhere in the JLUS study, the Coordination MCA addresses the areas directly surrounding a military installation that could be potentially impacted by the installation's operations. Specifically, the Coordination MCA is a three mile buffer surrounding the military installation in which there are stricter land development regulations supported by IC §36-7-30.1-2 of the State of Indiana's General Assembly.

The Coordination MCA for NSA Crane is depicted on Figure 1, while the Coordination MCA for LGTF is shown in Figure 2.



Figure 1. Coordination MCA for NSA Crane

Figure 2. Coordination MCA for LGTF



While the Coordination MCA for NSA Crane includes only a limited amount of developed area (Dover Hill, Owensburg and Scotland Townships), the Coordination MCA for LGTF includes the majority of the City of Sullivan.

As part of this analysis, several published documents were reviewed to provide context to the analysis of real estate in proximity to NSA Crane and LGTF. Reports reviewed include:

- City of Bedford Comprehensive Plan;
- City of Jasonville Strategic Plan 2003;
- Bedford/Lawrence County 2020 Plan;
- City of Loogootee Comprehensive Plan, Update 2014;
- City of Linton Comprehensive Plan 2014 Update;
- Martin County Comprehensive Plan;
- Greene County Comprehensive Plan;
- Davies County Zoning Map and Ordinance;

- Southwest Regional Logistics Council's Plan for Growing Southwest Indiana's Logistics Sector;
- West Central Indiana Economic Development Business Development brochure; and
- West Gate @ Crane Technology Park's Gateway to the Future presentation.

These documents information on key community efforts to plan for their future development, and address issues such as housing, economic development, infrastructure, historic character, social and demographics characteristics, natural environment, land use, community facilities, infrastructure, transportation and utilities, among other topics.

These reports provide valuable information on key topics which affect the ability to develop land within their boundaries, and provide a context for how these municipal entities view future development in the communities.

As part of this analysis, individual exits along I-69 were visited, beginning at Exit 104 (Route 445) and continuing south to Exit 76 (Route 58). Subsequently, the majority of roadways in proximity to both the NSA Crane and LGTF facilities were driven over the course of several days.

Locational Overviews

NSA Crane and LGTF are generally located in rural areas in southwestern Indiana. Some of their locational characteristics are described in the sections below.

NSA Crane

The NSA Crane property is located primarily in southwestern Indiana. The majority of the facility is located in Martin County, with smaller portions of the site extending into both Greene and Lawrence counties.

From an access perspective, Interstate 69 serves as the major regional arterial, passing within a few miles of the site's northwest corner. This portion of I-69 was opened in late 2015, enhancing travel between Evansville and Bloomington. From I-69, access can be gained to US Route 231, which runs to the west of the site, or to Route 58, which runs along the northern edge of the site. From the eastern side of the site, the primary approach to along Route 158, which connects NSA Crane with the City of Bedford. Route 450 also provides limited access to the areas along the east side of NSA Crane, in a generally southwesterly direction from Bedford.

From a topographic perspective, the areas surrounding the facility are quite different. The areas to the east and southeast of the facility are more heavily wooded and have significant slopes. Areas to the north, west and southwest are more gently rolling topography, and not as densely wooded, due to more significant agricultural uses in this area.

Lake Glendora Test Facility

The LGTF facility is located in a rural part of southwestern Indiana, approximately 40 miles south of Terre Haute. The facility is located entirely within Sullivan County, and the City of Sullivan is located to the southwest of LGTF.

From an access perspective, LGTF is more difficult to access than NSA Crane. The primary access to LGTF is via county roads, with the nearest highways almost three miles away. From a regional perspective, Route 54 offers east-west access from the City of Sullivan towards the east. US Route 150 provides north-south access from Sullivan towards Terre Haute (north) and Vincennes (south).

The land areas in proximity to the LGTF have a significant number of streams, ponds and lakes which have influenced roadway development in the area. These wet areas have also served to inhibit development close to the facility. The majority of properties in proximity to LGTF are single family homes and farmsteads. There are a limited number of multi-unit residences within the

Coordination MCA. The City of Sullivan is the only substantial developed area within the Coordination MCA, other than limited commercial and industrial development along US Route 150.

Site Selection/Development Factors

The growth of the Internet and on-line site information has, in some regards, made the job of site selection consultants easier. While it may have taken weeks or months to identify available sites that met specific criteria for a new corporate manufacturing or office facility, those sites can now be identified in hours or days. In essence, the availability of site selection data on-line has made it easier for many communities to be eliminated from consideration much more rapidly, while also making it easier to gather necessary data on the locations that survive "the first cut".

Groups such as Area Development magazine and Site Selection magazine routinely survey both corporate real estate executives and site selection consultants. The goal of these surveys is to understand which location factors are most critical in developing new sites/facilities.

According to the most recent survey from Area Development, the following factors were considered as the highest priorities in selecting a new location:

- Availability of Skilled Labor 92.9%;
- Highway Accessibility 88.0%;
- Quality of Life 87.6%;
- Occupancy/Construction Costs 85.4%;
- Available Buildings 83.7%;
- Labor Costs 80.8%;
- Corporate Tax Rate 78.5%;
- Proximity to Major Markets 76.3%
- State and Local Incentives 75.8%; and
- Energy Availability and Costs 75.3%.

It should be noted that the percentages for each factor reflect the number of survey respondents that rated each factor as either "very important" or "important".

Looking at some of these factors over a longer period identifies some changes in "what matters" in recent years. The importance of the availability of skilled labor has increased, while the importance of labor costs has decreased. It is believed that the need to attract skilled labor has also increased the importance of quality of life as a site selection consideration.

It is also important to understand which factors are considered to be less relevant in selecting new business locations. The availability of unskilled labor (47.8%), railroad service (32.4%) and waterway or port access (24.0%) were the factors which ranked the lowest in the 2016 survey.

Although the survey considers some infrastructure categories, such as highway accessibility, telecommunications services, airport access and the availability of water, the survey does not consider the availability of wastewater treatment services. The availability of wastewater treatment capability is considered a critical factor in developing new non-residential facilities, and will ultimately affect the ability to develop facilities with any significant density in proximity to NSA Crane and LGTF.

Indiana's business climate is ranked among the top ten in the United States by both corporate real estate executives and site selection consultants, according to Site Selection's 2016 State of the States report. More than \$2.3 billion in major corporate facility projects were under development at the end of \$2015, including a combined \$1.8 billion in spending by General Motors and Rolls Royce. According to Site Selection, Indiana also ranks in the top ten for ACT Career Readiness Certificates; Business tax Climate; and Lowest Electric Power Costs.

Additional Development Pressures Associated with I-69 Expansion

The expansion of Interstate 69 has enhanced access between Evansville and the area just south of Bloomington. The project reduces travel times, while providing the ability to handle higher traffic volumes due to the roadway's higher capacity.

As discussed elsewhere, transportation access, particularly highway accessibility, is a key variable in site selection for developing new employment generating uses. In order to understand how the development of improved highway access might affect real estate development in proximity to NSA Crane, each exit in from Exit 104

Looking at some of these factors over a longer period identifies some changes in "what matters" in recent years. The importance of the availability of skilled labor has increased, while the importance of labor costs has decreased. It is believed that the need to attract skilled labor has also increased the importance of quality of life as a site selection consideration.

Exit 104 - Route 445 is a connector which connects I-69 with route 45 to the west. From the Exit 104 off-ramp, there is no ability to travel towards the east.

Route 45 to the north has some limited commercial activity, gas station/convenience stores, service businesses, and restaurants. To the south, Route 45 is predominantly residential, and has some larger available sites that could be developed, possibly for multifamily homes.

The continuation of 445 to the west has significant topographic challenges, and is considered less developable.

There is no evidence of water and/or sewer infrastructure being available to support any significant level of commercial or residential development in this area.

Exit 98 – Route 45 southeast and northwest of I-69 is predominantly residential, with some larger undeveloped parcels. Properties to the northwest are heavily wooded, with only limited

amounts of cleared land supporting existing residential and limited commercial uses.

To the southeast of I-69, the situation is similar, with a number of large parcels which could support development, though many of these parcels are heavily wooded. There is a higher amount of cleared agricultural land in this area, but the majority of the acreage is wooded.

There is no evidence of water and/or sewer infrastructure being available to support any significant level of commercial or residential development in this area.

Exit 87 – This exit provides access to Route 231, a primary north-south route which runs along the west side of NSA Crane. Route 45/58 runs east-west to the north of NSA Crane. North of I-69 on Route 231, the area is dominating by larger agricultural parcels. To the south of I-69, there are also a significant number of agricultural parcels. However, there are also a significant number of wooded parcels, principally in proximity to the northern end of NSA Crane.

Just south of I-69 and east of 231 is the West Gate at Crane business park. As will be discussed later in this section, West Gate at Crane has a significant existing tenant base, as well as the ability to support the development of significant new square footage for commercial uses. Among the existing tenants are Alcon, AECOM, BAE Systems and SAIC.

The existing water and wastewater infrastructure at the West Gate at Crane business park can support buildout of the existing park. Infrastructure systems could also be used to support development of nearby agricultural properties for commercial, industrial and/or multi-family uses.

Exit 76 - This exit has more of an agricultural focus than the other exits reviewed for this analysis. The vast majority of the acreage to both the east and to the west of I-69 in this area is in agricultural use. There is limited commercial and institutional use along Route 58, which connects I-69 to Route 231. Route 58 passes through the Town of Odon, which has a concentration of single family homes and a very limited commercial base.

There is no evidence of water and/or sewer infrastructure being available to support any significant level of commercial or residential development in this area.

Potential Development Areas Surrounding NSA Crane

While the areas surrounding NSA Crane are primarily rural and agricultural in nature, there are limited areas which could see additional development pressure over time. The availability of water and sewer infrastructure, as well as highway accessibility, is considered to be the primary drivers of potential future development.

The area in proximity to NSA Crane that is expected to see the most significant development pressure is the West Gate at Crane Technology Park. Portions of West Gate are located in Daviess, Greene and Martin counties. West Gate includes almost 300,000 square feet of existing buildings, and is home to 35 tenants with more than 800 employees.

The West Gate at Crane Technology Park is a primary focus for development activity for the host counties. The Greene County Comprehensive Plan notes "The WestGate at Crane Technology Park presents a unique opportunity for the residents of Greene, Daviess and Martin County. The proximity of the Tech Park to the I-69/US 231 interchange and the Crane Naval Surface Warfare Center coupled with the significant potential for partnering with a number of outstanding colleges and universities in the State of Indiana make this location one of the most attractive development areas in the entire Midwest. If the residents of Greene County hope to reap the benefits from this venture, it is essential they strive for a regional economic development approach. Any development within the Tech Park will be beneficial to the residents of each county." 1

The West Gate at Crane Technology Park includes 500+ acres. At an average of 6,000 square feet per acre, the property could support as much a three million square feet of development. This

_

¹ Greene County Comprehensive Plan, 2009, Page 97

represents a substantial increase over West Gate's current square footage, reported to be approximately 275,000 square feet.

The ability to support additional development activity at West Gate is affected by water and sewer capacity at the site. According to the West Gate at Crane Executive Director, the existing infrastructure systems are expected have limited capacity to support additional development. Additional expansion beyond this level will require an expansion of water and sewer capacity. Greene County reportedly has available capacity, and is working with West Gate at Crane to establish necessary connections to support development. Depending on the route for this sewer line, and any restrictions imposed by Greene County, additional agricultural parcels along the route could benefit, from a development perspective, through the additional sewer service. This could create an area of concern for NSA Crane, especially if agricultural parcels are developed for single- or multi-family residential uses.

Another area of potential concern relative to the West Boggs Park, located southwest of NSA Crane, but within the MCA. West Boggs Park is a 1,500 acre facility, which includes mobile home rentals, cabins, shelters and more than 250 camping sites. The property also includes an on-site restaurant and a nine hole golf course.

While camping in and of itself does not raise a concern, many of the camp sites at West Boggs Park have a "permanent" feel to them, with campers adding decks, sheds and landscaping to their sites. In addition, some camp sites are moving towards year-round occupancy. This could create a situation of a new unplanned residential community, which could result in an unanticipated "population base" which opposes the activities at NSA Crane.

Potential Development Areas Surrounding LGTF

Almost the entire City of Sullivan is located within the MCA for LGTF. While much of the city's primary "urban core" is built-out, there are areas on the periphery of the City which could see development pressure as the city grows. Specific areas of concern include portions of US 150 north of Sullivan, and portions of Route

54 east of Sullivan. These two roadways are primary regional transportation corridors, and are more likely to see development pressure in the future due to their highway accessibility and proximity to Sullivan.

In general, the land surrounding LGTF is predominantly residential in nature. Virtually all of the surrounding roadways were driven as part of the research for this analysis. The area is dominated by low density residential uses. The area has a substantial number of lakes, ponds, rivers and streams. The presence of these wetland areas limits development capability in areas surrounding LGTF.

The City of Sullivan is located to the southwest of LGTF. The City has its own wastewater treatment plant, while water is provided by Indiana American Water. According to the City's 2013 Comprehensive Plan, there is sufficient capacity in both the water and wastewater systems to support anticipated growth. However, the Comprehensive Plan indicates that during wet weather events, the capacity of the system is "significantly limited".

The water and wastewater utilities do not extend beyond the City limits, such that the areas in proximity to US 150 and Route 54 are not presently served by these utilities. While the City of Sullivan has tried for many years to annex the properties north and west of the City in proximity to US 150 for many years, the most recent attempt to annex the properties failed in 2014.

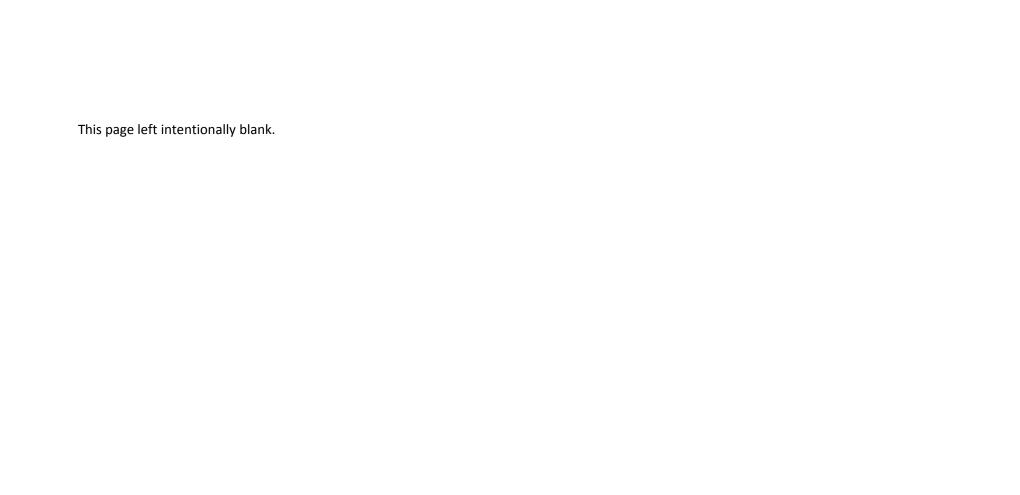
Nevertheless, these areas are considered more likely to see development pressure over the coming years. In particular, the area along US 150, north of Sullivan, has several existing commercial uses given its high traffic volumes.

Similar to NSA Crane, LGTF also has a large public park located to the southwest of the LGTF facility. The Sullivan County Park, which abuts Sullivan Lake, includes log cabins, fishing cabins, and other facilities available for rent by the day or week. The Park includes more than 400 campsites, which support both tent and RV camping. The sites have water and electric service available.

The Park includes approximately 400 acres, and has a nine hole golf course. The adjacent Sullivan Lake is more than 450 acres in

size, and supports fishing, swimming and boating, including motorized and non-motorized boats.

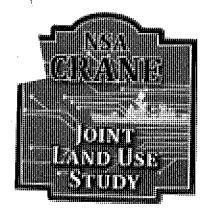
Much like the West Boggs Park, many of the campsites at Sullivan County Park and Lake have a "permanent" feel to them, with campers adding decks, sheds and landscaping to their sites. In addition, some camp sites are moving towards year-round occupancy. This could create a situation of a new unplanned residential community, which could result in an unanticipated "population base" which opposes the activities at LGTF.



Appendix B -

Public Meeting Materials

This page left intentionally blank.



PUBLIC MEETING SIGN-IN SHEET

DATE / TIME: 8 / 10 / 15	7 p.m.	
GROUP:		,
LOCATION: Sullivan Fa	ringrounds	

Name/Title	Community	TELEPHONE#	E-MAIL
Jisa Chastan	Sullivan	812-564-0748	
Lat Direct	Jullivan	812-397-5938	
Jim Pirtle	Sulliva	812-268-6257	
Darin Sisil	Sullivau	812-564-0008	٠.
Wayne Jackson	1811 N. County Rd 17	\$Z=	
Jerem Souders	Radius Indiana	812277 9778	
Rich (Rosto, Jim NOUACK)	SUCLIVAN	812 564 0625	
CO-TRUSTES	Sullian	812-229-3797	
Rusty DeckARD	Sullivan	8/2 24/3 -454/	
Deann Talley	Gillivan		
Director Development Con	nm 1851m		

NAME/TITLE	COMMUNITY	TELEPHONE #	E-MAIL
SCOTT - JENNIFER BROWN	Sull:UA~	812-878-2119	Sabcoal@Yahoo, Com
Jeremy + Hollie Bowman	Sullivan	812-249-4256	Bowmanhouse 4@ gmail
Jon & Bg White	Sallivan	812-564-1894	BJ. WHITE 195 Key Ahor Eam
CDR TIM CRADbock	NSA	812-954-8987	timothy, Craddock @ navy, mil
COR SEAN DOLTON	NSA	812-854-1389	SEAN. DALTON B NAVY, MIL
James Seprodi	SullivaN	812-241-4061	
Travis McKinney	Sullivan	812-564-0444	mcdfarms a frentier com
AnyConil	Farm Bureau	317-692-8015	acornello infbiorg
July Benzockew	Sullivan	812-249-3341	JudiTHBengochen@gmail.com
Lasy Wilson	1 /	2492912	1449 & When \$0 2
Herrhol W Roby	SULLIUNN	2498454	HD 4 FARM 9 Icloud
Kylu Serrati	Sullivan	812-564-1663	Kne Sappini GAOL. COM
JOHN WARP	Sullivan	512 265-9092	JW. WADE @ COMCAST. NET
laymond & inflary	SULIVAN	812-249-8204	haugdiane (YAHVa com

NAME /TITLE	COMMUNITY	TELEPHONE#	E-MAIL
To 4/1/6	Sillarija	812-480-4625	thitE OpulsEsqs. Com
Ed & Jo Ann Carmichael	Sallivan	812-239-7785	yoann, odye Yahoo. com
Ronand Deanna Ronk	Sullivan	812 648-3211	corkyjoe@sbeglobal.net
Dan and Narry Brown	Sullivar	812-268-5438	1953 olds@ comeast. net
Scott Brown	SUlliUAN	812-268624	
Tom Laucher	GRERNZ	X-228 812-268-5992	7 SAM DOSB & Frantier.com
Bai & Egra Myly	SULLIVAN	812-268-4747	edselyace. 1958 Qyahoo.com
Alyssa Arnett	Sullivan	812-887-9333	, , , , , , , , , , , , , , , , , , , ,
Ray 2 mas	Silliva	312-265 0620	
Connie Bledsoe	MARTIN CO	1	Comie Medice Stimulusengureering, com
Alex Jackson	Sullivan		alex.jackson@stimulusengineering.com
Ray & Mccammon	SULLIVAN CO.	812-249-3518	
Cavid Unger	Sullivao Co.	812-240-6901	ungerworks @ gmail, com
JONY SMITH	SULLIVAN	317-253-8987	V



PUBLIC MEETING SIGN-IN SHEET

DATE / TIME:	8/10/15	7 p.m.	
GROUP:	•		
LOCATION:	bullivan	Fairgrounds	

Name /Title	COMMUNITY	TELEPHONE# E-MAIL
Addie Gudfuld	Sullivan	812-330-8748
Paul Pula	Sillivan	11
Soft Maxwell	11	11
Jeff Abrams	11	812-268-3594
Blake Blann	i 21	812-241-9017
den Does	Sillivan	312-269.6870
Andy Myers	Jerre Hate	812-232-7037
TODA WOODS	NSA CRANE	812 854 6997
Luthe Geltry	Sulliva	812-268-5777
Sae Hale	Bullivari	842268-3039

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Miko Wardl Of	30/1/04V	-812-243-0367	
Bran Blacker	Cra-6		
J. T. GITL	Sullivans	812- 954-3766 812, 268-3838 714, 345-0253	stgill2@msn.com
Mille Hann	Sullwan	812-382-4617	
Maneil Robinson	5ullivan	270-832-9540	
Jerry C Payne	Sullivan	812-239-5387	Tradewaterdoge ad. com. JC Payne SR 52/ yahou
mike Heavan	Plansield	317-697-017	,
Tina Taylor	Sullivan County	116	
Zevita Boeng	Sellian	812-236-7340	WWW. Farmgiel 1388 Wast. com boonezenitace yahoo Com
Randy Campton	Hejner	812-242-0966	reimpton Q-lamploten excel.com
Tim heonan	CRAVE	812 854-2076	timothy, leonande navy, MIC
Brent Voigtschild	Craue	812854-3667	
John Waterman		8/220/1825	•
Joslyn Dodice	Sull'van	810-661-0446	

NAME/TITLE	COMMUNITY	TELEPHONE#	E-MAIL
Don Scholte	Greene County B'Siell	812-699-8326	schiltep west gote crave . com
JIM BARCUS	Sall County	012 239 1551	
Jeff Schneder	Sullivan	PIZ TUY 0661	Jeffschmeder 17@ gwail.gu-
Jill amy	OCRA	317-450-5078	Jury @ dera in gov
Tim Garret	Sullwan	812-249,6445	timogratte pink, com
KangyFolhes	SuchinAc	2495009	O J
Justin Dodd	Sullivan	912-239-2201	
Coune Kleininger	ISDA	317-517-7529	Cheininger@isda.in.gar
DOW SISCOE	Sully AM		dsiscoe 3 @ VAhoo, com
Koretta Sweeze	Sulleman	812-230-282	/
Eller Andell	Seellevan	872 397 5138	Jun ford farms @ Acutler, Con
Bill Sorme	Selli	812-236-5760	bill Spring XYZO Zahoo, com
PHIC BANARISI	Sucrem	317727/654	
Jeff Wamsley	Sullivan	8/2-268-3101	Wamper/@aol. Com

Name/Title	COMMUNITY	TELEPHONE#	E-MAIL
Tom LAHAY	Sallivan G. PARK / LAKE	812-564-0308	TLAHAY 520 @ GMAIL. COM
Blaine R Bolyand	Sulliva	812.322-3115	Enbalgard @ Comeast, wet
Carland lors	Sulliva	8155086205	can(conve)(@ comerst. net
Jan Bahn	SULLIVAN	817 2684098	
Soulall Winh	Sillin	8112365741	
Mark + Jess Kenning	Sullivan	812-249-2083	
Hunter Wilson	Sulliven	8125640152	
DAZIN GREGES	SULLIVAN	(812) 564-0404	
Marty Blann	Sullman	812-564-115	
Joanne Quast	Sullivan	812-268-6020	
CARY BLEDSOE	LOOGOUTEE SULLIVA	812-295-600	7
DAVE A HEULTHEN FICTURE	Sullivan	812-249-8015	
Josh & Holly Priverts	Sellwan	818 836-0360	
Poblavis	Sall Co Commiss		

Vane	Helephone #	Email
Bure Walkup	812-249-1507	brucewalkup la ganal. Com
Bontal ansley	812-268-3101	
	·	

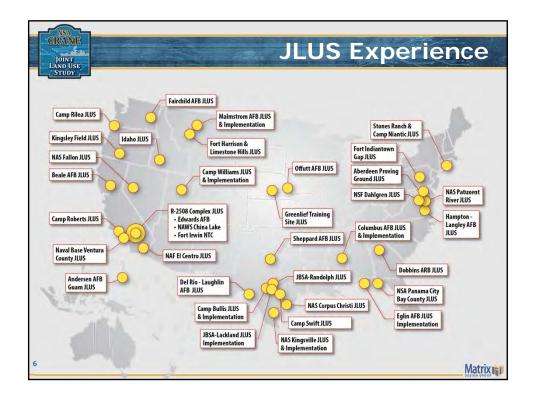


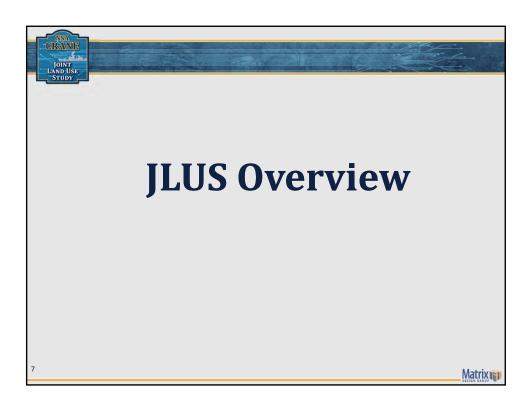


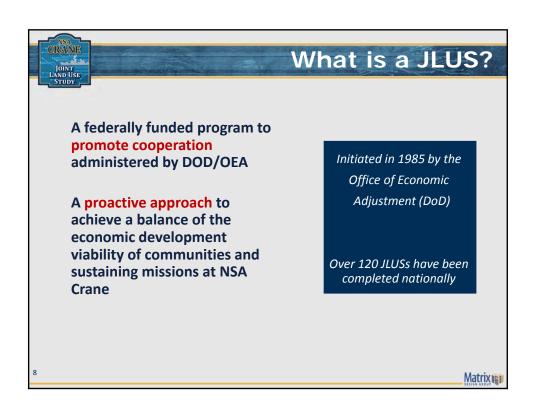














JLUS Facts

A JLUS is:

- a <u>collaborative process</u> between stakeholder partners
- Set of recommendations to mitigate or prevent incompatible development associated with the military mission:
 - Information
 - Communication
 - Coordination
 - Policy
 - Regulatory

A JLUS is **NOT**:

- a regulatory document
- an enforceable action

A JLUS is a body of information for decision makers of all levels to assist in making informed decisions

A JLUS requires follow-on support by all stakeholders, including the public, to implement the recommendations

Matrix



JLUS Objectives

Community

- Protect the health, safety, and welfare of residents / maintain quality of life
- Manage development in the vicinity of military installations that would interfere with the continued operations of these facilities
- Protect opportunities for new growth in an economically, environmentally, and socially sustainable manner
- Maintain the economic vitality of the community / region

Military

- Protect the health, safety, and welfare of the military and civilian personnel living and working at or near the military installation
- Ensure the ability of the installation to achieve its mission, maintain military readiness, and support national defense objectives

10

Matrix



JLUS Approach

Goal is to link to geographic areas to the issues

- Identify areas by specific compatibility issues and concerns
- Narrow focus to areas where the issues exist
- Minimize areas that require controls or policies
- Link solution types and tools to specific areas

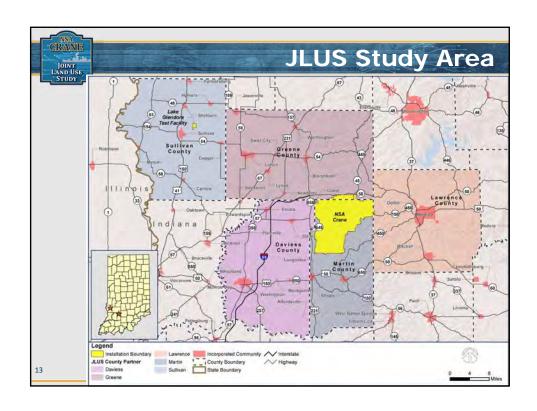
Develop an implementation strategy for preventing and mitigating encroachment:

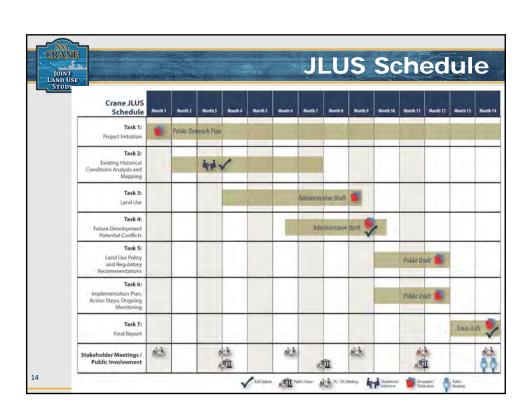
- Recommendations will involve local jurisdictions, state and federal agencies, private organizations, and the military
- Tie recommendations to specific military areas of concern

11

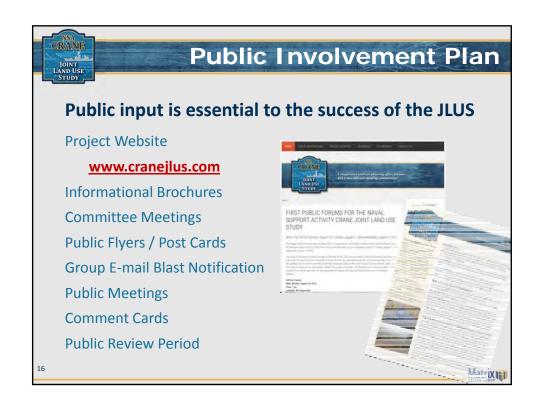
Matrix

Wh	o is Engage	ed in the JLL
	Participants	Responsibilities
Sponsor (Committee)	OCRA Radius Indiana IOOD NSA Crane	Coordination Accountability Grant Management Financial Contribution
Policy Committee	Elected & Appointed Officials NSA Crane Radius Indiana	Policy Direction Study Oversight Monitoring Report Adoption
Technical Working Group	Planning Staff Engineering Staff Technical Specialists Special Interests	Technical Issues Alternatives Report Development Recommendations
Public	All interested persons	Public Input Public Comments









CRANE JOINT LAND USE STUDY

Public Involvement

3 Public Forums

Forum #1 Project overview / Compatibility Factors /

Issue identification

Forum #2 Preliminary compatibility assessment

Forum #3 Draft JLUS

3 Meetings per Forum

- Daviess, Greene, Martin Counties
- Sullivan County
- Lawrence County

Matrix

NSA CRAME JOINT LAND USE STUDY

Technical Process/Deliverables

Background Report

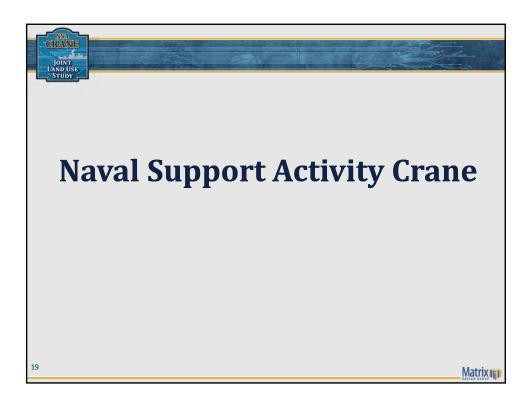
- Introduction
- Community Profile
- Military Profile
- Existing Compatibility Tools
- Compatibility Assessment

JLUS

- Background Report Summary
- Implementation Plan

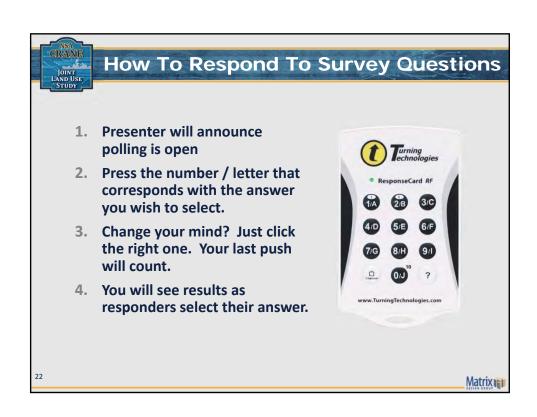
18

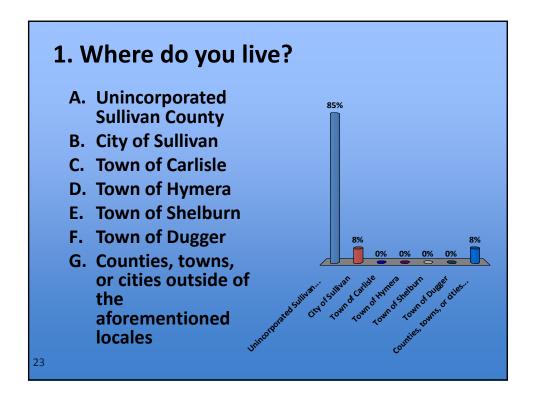
Matrix

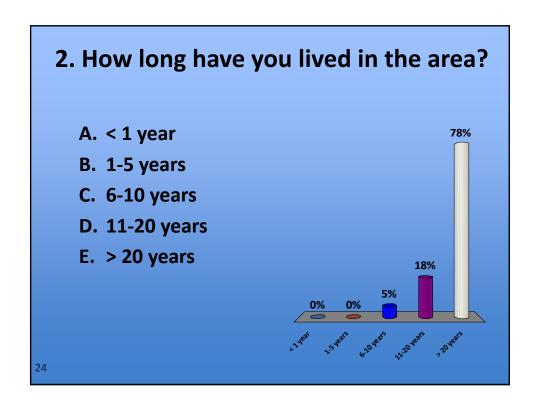


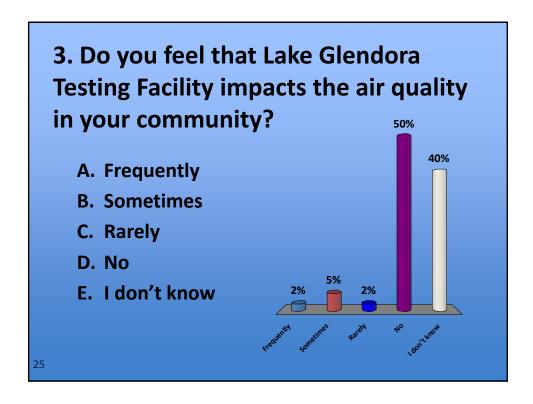


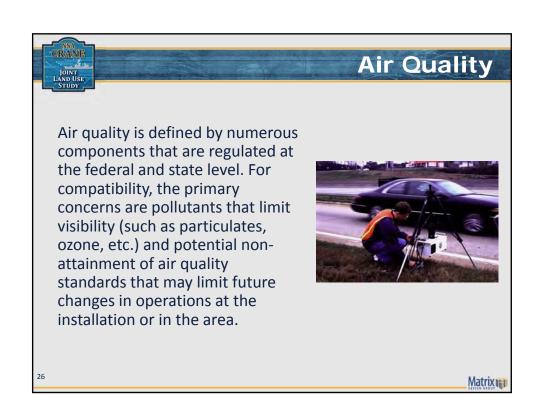


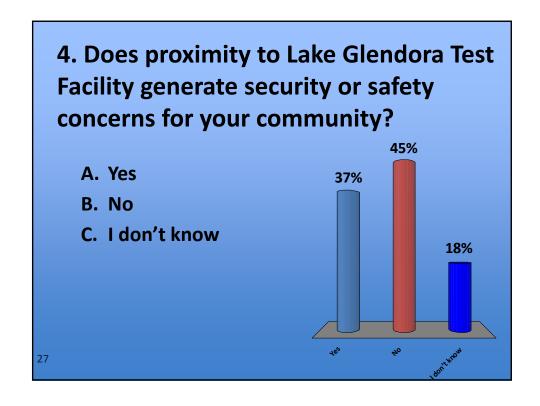


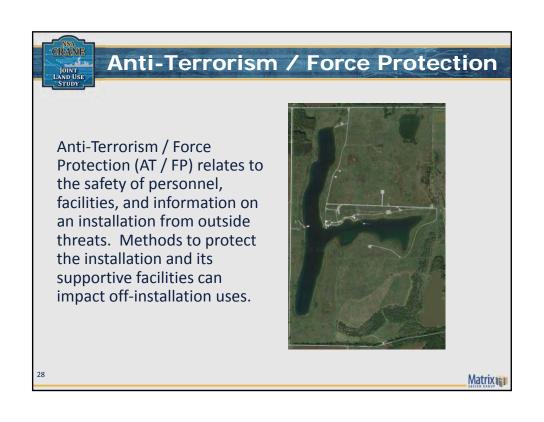


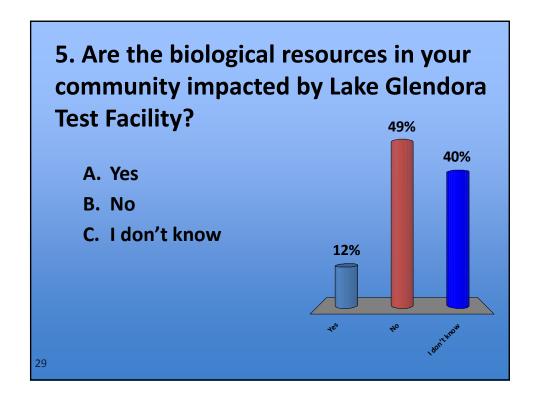


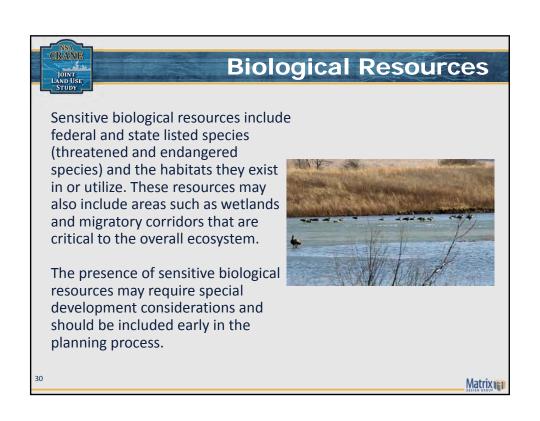


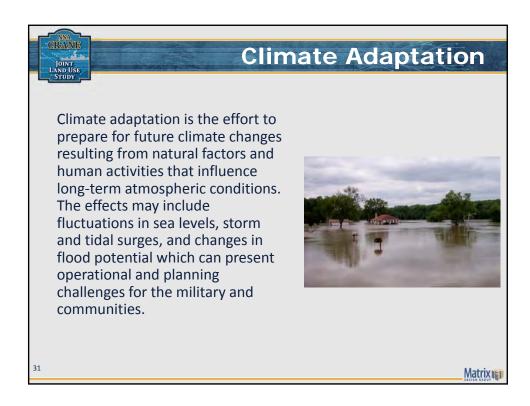


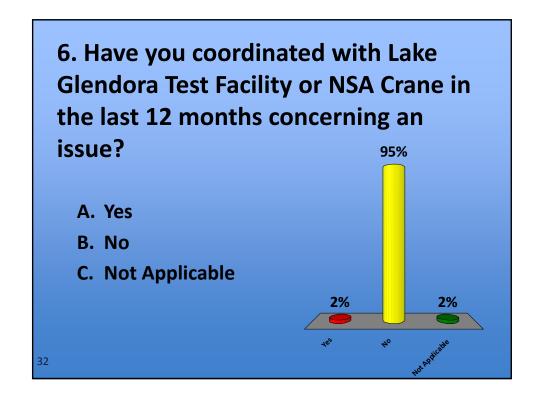


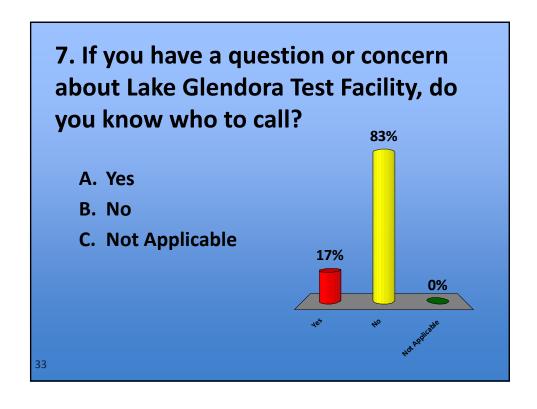




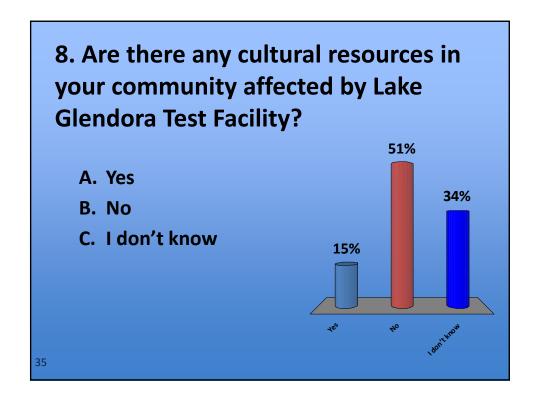














9. Does your community experience dust or smoke impacts due to Lake Glendora Test Facility operations? (click all that apply)

A. Peak Morning

B. Peak afternoon

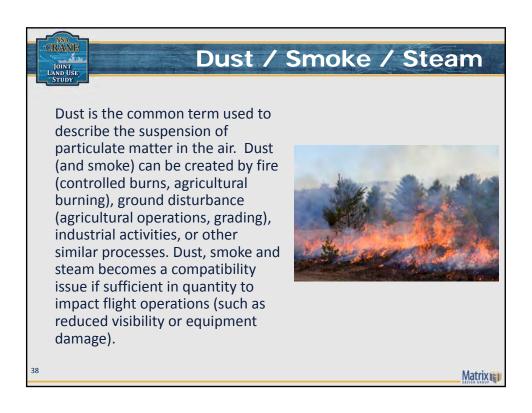
C. All day long

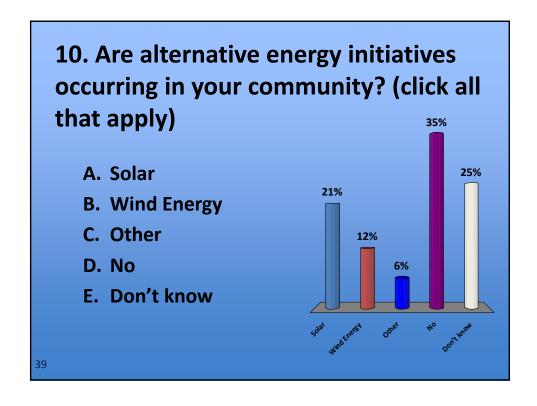
D. Evenings and nights

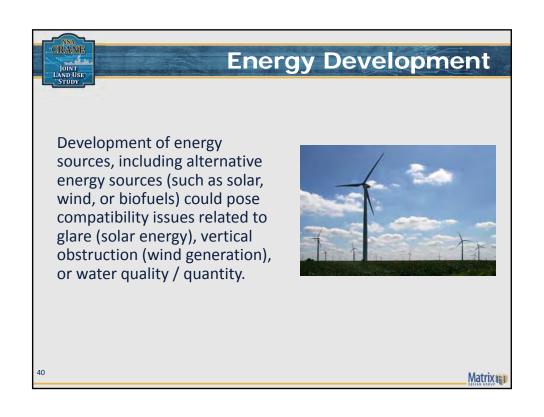
E. Weekends

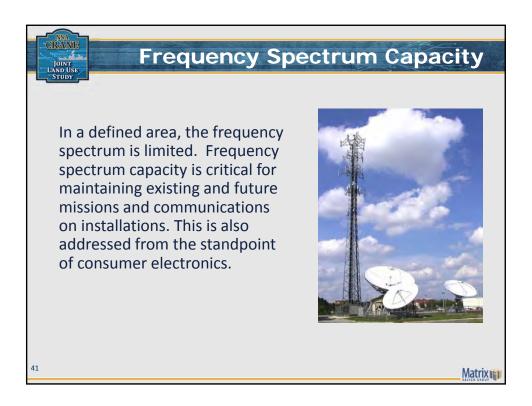
F. Seasonally

G. No









11. Have you experienced electrical signal interference in your community? (click all that apply) A. Frequently B. Sometimes C. Rarely D. Day E. Night F. Weekday G. Weekends



Frequency spectrum impedance and interference refers to the interruption of electronic signals by a structure (impedance) or the inability to distribute / receive a particular frequency because of similar frequency competition (interference).



43

Matrix

Housing Availability

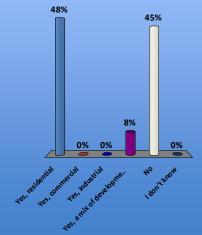
Local housing availability addresses the supply and demand for housing in the region, the competition for shelter that may result from changes in the number of military personnel, and the supply of military family housing provided by the installation.



44

12. Is your community experiencing growth proximate to Lake Glendora Test Facility?

- A. Yes, residential
- B. Yes, commercial
- C. Yes, industrial
- D. Yes, a mix of development types
- E. No
- F. I don't know



45

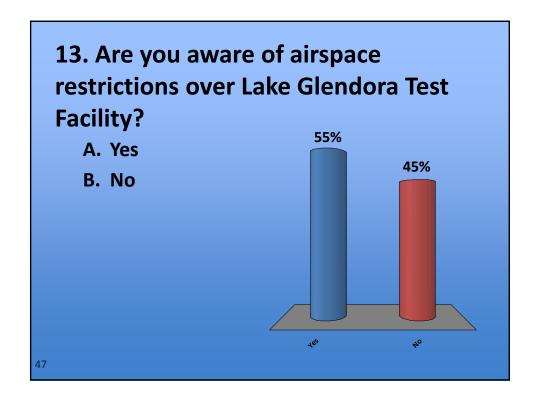
Infrastructure Extensions

This factor covers the extension or provision of infrastructure (roads, sewer, water, etc.) in the vicinity of the installation. Infrastructure can enhance the operations of the installation by providing needed services and transportation systems. However, enhanced or expanded infrastructure could also encourage growth into areas near the installation that might not be compatible with current or future missions.



46

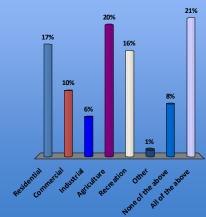
Natrix





14. Which land use type is your biggest concern relative to incompatibility with Lake Glendora Test Facility? (click all that apply)

- A. Residential
- **B.** Commercial
- C. Industrial
- D. Agriculture
- E. Recreation
- F. Other
- G. None of the above
- H. All of the above



CRAMB JOINT LAND USE STUDY

The basis of land use planning relates to the government's role in protecting the public's health, safety, and welfare. County and local jurisdictions' comprehensive plans and growth policy can be the most effective tools for avoiding, or resolving, land use compatibility issues. These tools ensure the separation of land uses that differ significantly in character. Land use separation also applies to properties where the use of one property may impact the use of another, e.g. industrial uses are often separated from residential uses to avoid impacts related to noise, odors, lighting, etc.



50

ONSA CRANE JOINT LAND USE STUDY

Legislative Initiatives

Legislative initiatives are federal, state, or local laws and regulations that may have a direct or indirect effect on a military installation to conduct its current or future mission. They can also constrain development potential in areas surrounding the installation.



51

Matrix

NSA CRANE JOINT LAND USE STUDY

Light and Glare

This factor refers to man-made lighting (street lights, building lights) and glare (direct or reflected light that disrupts normal vision).

Light sources from commercial, industrial, recreational, and residential uses at night can cause excessive glare and illumination. Conversely, high intensity light sources generated from a military area may have a negative impact on the adjacent community.



5



Marine Environments

Regulatory or permit requirements protecting Marine and ocean resources can cumulatively affect the military's ability to conduct operations, training exercises, or testing in a water-based environment.

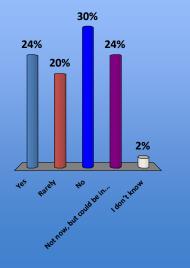


53

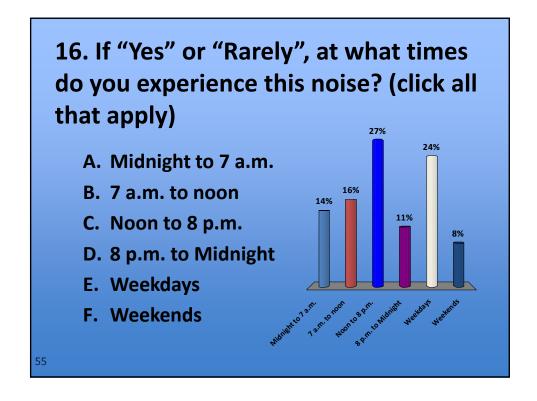
Matrix

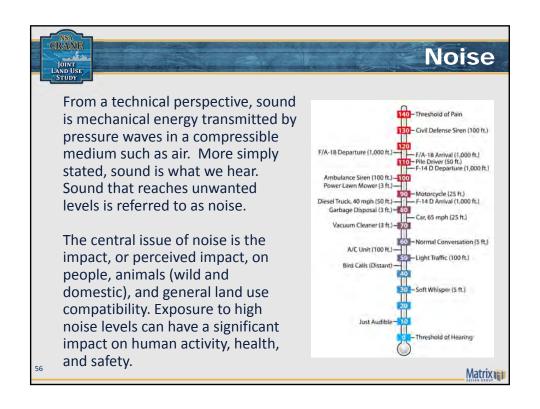
15. Is noise from operations at Lake Glendora Test Facility an issue?

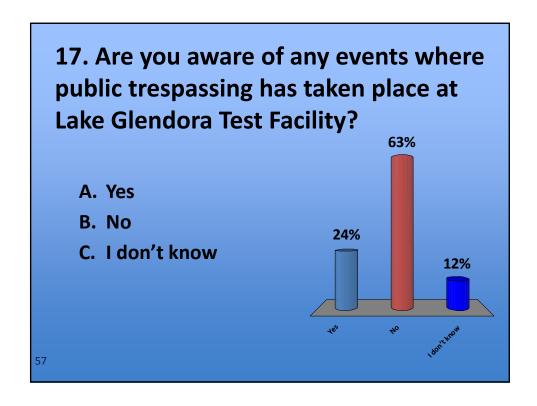
- A. Yes
- **B.** Rarely
- C. No
- D. Not now, but could be in the future
- E. I don't know



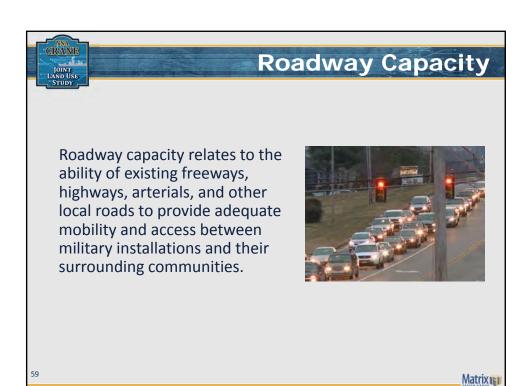
54



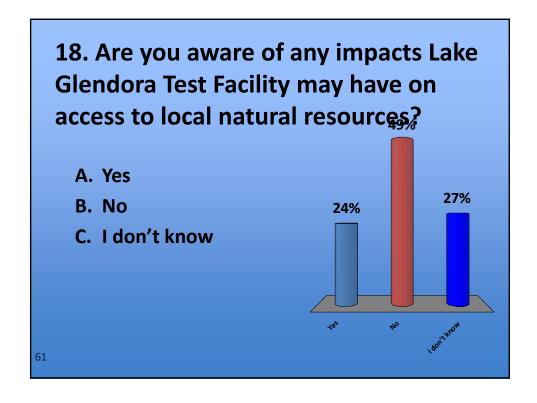


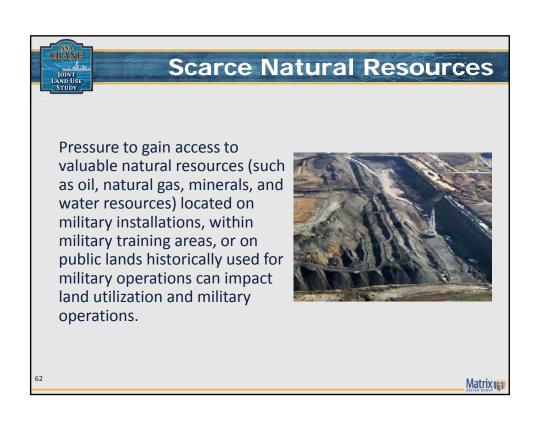


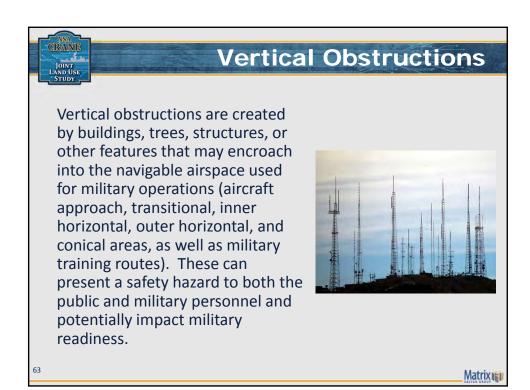


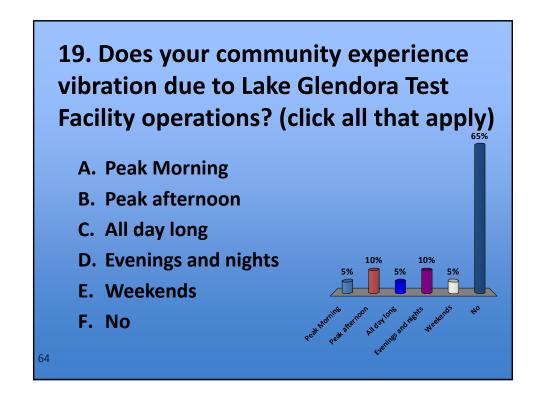


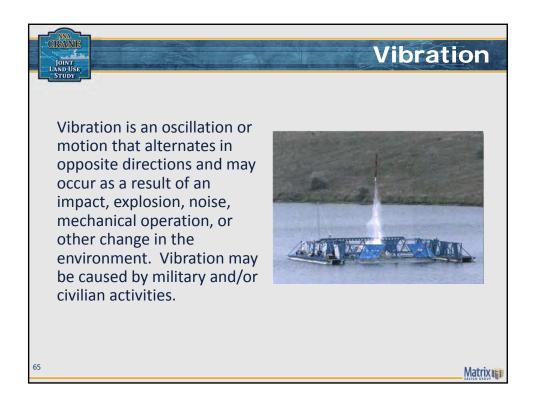


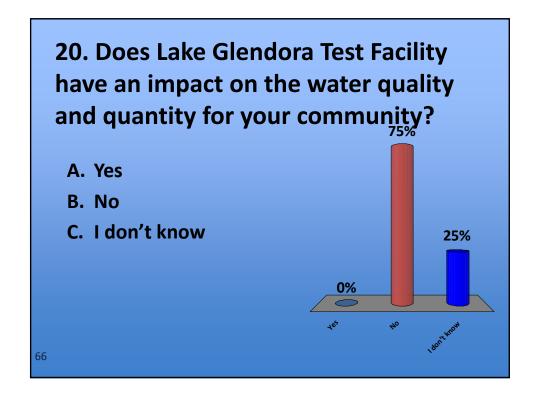


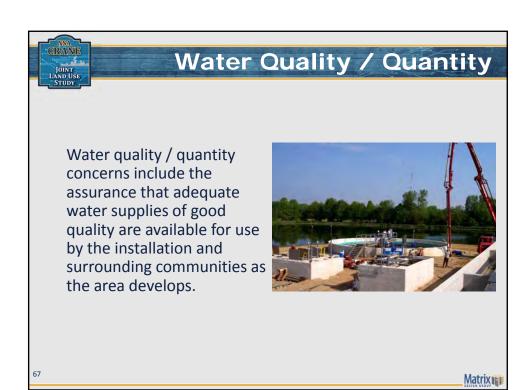














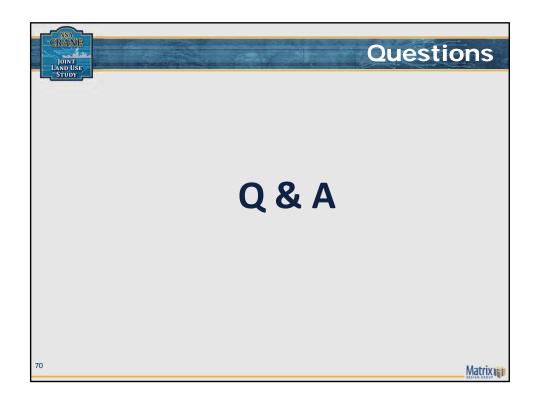


Email: MCrouch@ocra.IN.gov

Phone: 317.750.7670

www.cranejlus.com

69





PUBLIC MEETING SIGN-IN SHEET

DATE / TIME:	8/12/15	@ 6pm	
GROUP:			
LOCATION:	Westgate		

NAME /TITLE	COMMUNITY	Telephone#	E-MAIL
Lynn Dee	Martin La Corniel	815-52-1966	Igee 45@ Notmail.com
TOPD WOODS	NSA CRANE	812 854-6997	Eodd, woods Dravy, mil
E.B. Rawles	NSA CRANE Rigional Manager Ind. FARM Bureau	812-890-Z18Z	erawles@infb.org
Mr. & Mes Um S. Strange		812-854-7378	
Matalia Smith	Burns Pity Posedoset Daviess Co. & Huthoring	812-254-4435	hismith (adcedc. net
Tim Kinder	Martin County	812 295 4800	+Kinder@martinalliance.org
Jeff Scheneh	Greenz County	317-840-9904	buyer@jwjonescompony.com
Chais Daugh	Martin County	8127090850	
Bosie Wininger	Martin County	512-247-3231	rwining = ranuartineously, in gov
JOHN MENSCH	BLOOMFIELD, IN	8/2-364-5167	TOHNDENSCH @ 1ST SECURITY INSURANCE. COM

NAME/TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Ry Del Shafta	Marlin Co	812-388-6313	
TROY ARNOWS	WESTGATE	812-322-7089	TROY. ARNOWE JREISI. COM
Amy Love	_	812-847-5223	amy, love amygogh, org
El Michael	Creans County Commi	812-876-1012	Ed. Michael & co. greene. in. 45
Puic Smith		8127090546	L. Marie Carlotte Control of the Con
Tom Peter	Daviess Ce	812-636:498	christom peter@qnailiCom
Mary Cornwell	Greeny Co.	812-384-5044	christom peter@gnailiCom mtcornwell 1@gnail.com
Daishey	Martin Co.	812 295 3647	
LARRY CHRISTLEY	RAANO VIII.	22 854-7696	
Rebeaca Sparks	Martin County	812-614-0121	rebe/3035@yahoo,com
Randt Vouden	DAVIESS County	812-678-1056	brandt/9 elluturil.com
Kristi Price	Martin Co	812-863-2756	

Westgate 8/12/15 @ 6 pm

NAME/TITLE	COMMUNITY	TELEPHONE#	E-MAIL
Don Doggins / Indest vial King	West bate	812-863->251	donic. digainsiii @ saic. Com
Gordon fringar Town of Sun	e Journ of Crade	887 ~854~7660	
Bob Jackson	nest to Western I	812-863-4487	biACKSONG @ MAhoo. Com
Larry Ordner twise	Dest to West Sport	812-465-6484	Larry . Ordner email. house . god
Grey Jones	SIDC		
STEVEN WAGGONER	BurnsCity		
BSCAR STRIEBY	BURNS CITY	812-854-7320	oscar. strieby@ nauy. mil

		INCLUDED TO THE PARTY OF THE PA	
ACCOUNTS OF THE PROPERTY OF TH	AL MARKET MARKET THE TOTAL PROPERTY OF THE T		AND THE RESIDENCE OF THE PARTY



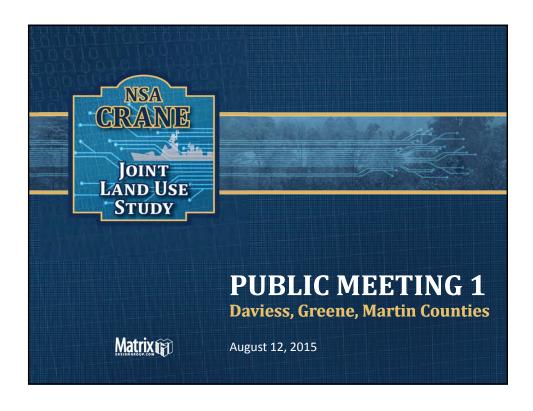
PUBLIC MEETING SIGN-IN SHEET

DATE / TIME:	8/12/15	@ 6pm	
GROUP:	•		
LOCATION:	West-sa	fe	

NAME/TITLE	COMMUNITY	Telephone #	E-MAIL
Bak Blacker	NSLG Crax	812- 954-376	bris. blackwell@neyen.1
Dale Walter	·	765-516-305	7
Sam Sorvis	INDOT	\$12 890-630 D	Ssarvise indotrigov
Duane Embree	of Defense Defense	812-583-2482	DEmbrecoloDD.ID.Gov
GOZEGONY D. Smyth	William Tou, 7	872-254-4435	GASMIJETES @ GMAIL Com
Pepper Mulherin Denois Marczik	ATIT/JLVS WORKING WO	812-204-8919	pM3873@att.com
Dennis Marcrik		812.854.7609	V
Don Scholte	West Gate	812-699-8324	scholle Owestgate crawe.com
January Roush Andthor	Metri County	812-247-3731	, i roush @ martin courty in gor
MATT KAVGIAN	Westgate	315-560-3786	matt. Kargian @ sccisi. com

NAME /TITLE	COMMUNITY	Telephone#	E-MAIL
Lynn Coyne	Pros BESC	8z-335-7346	koyne ocomprekloomington us
Mike Chaveas	Hoosier National Porest	8/2 276 9739	mchareas Ofs. Fel. us
DON BOW/1/116	WESTGUTE	812 709 0588	LOOMAYOR Z @ NWCABLE.NIST
JAMES A. STILES	ShoALS	812-797-3293	
CDR CRADbook	NSA	872-854-8989	timothy, and clock@vary, mil
CDR SEAN DOLTON	MSA PUD	812-854-1389	SEAN. DO LTON & NAVY MIL
Joe Carloy	1 U	812-369-8687	itearley @ in, ech
Bill ScHERRINZEN	N. Daviess	812-636-4091	Schernger @contraytelinet
TRAVIS SUMMERS	MARTIN COUNTY	812-486-5697	travissonners 87@gual.com
Robert Kiser	Greene	812-863-2422	Kisey@ Wemarble, net
BEVERLY Christley	Martin County	812 295-6024	beuch eistley a grant. com
Tim Cornwell	Green Couly	812-384-5044	Hearnwell I we grail com
David Copert	Daviess	443 956 3906	Gavid. 1. colbert Quail. com
Luis A. Santiago	Daviess - Purdue Extension	812 254-8668	santing la purdue edu

COMMUNITY	TELEPHONE#	E-MAIL .
Oreeve	8123811104	Sara inthrés hules arghering, con
Maran	812-295-6457	mofeatirs@nwoable.net
Martin		SUSAN, WAG GONER @NAVY, MC
Loogootee/ Martin	819-295-4595	sailcle@yahoo.com
Linton - Greene Co. (live in Anderson In)	765-749-0321	Solutions, dab@gmail.com
		- AMAZA MANGO III AMAZA MANGO
	Aurtin Loogootee/ Martin	Andr 813-292-642)

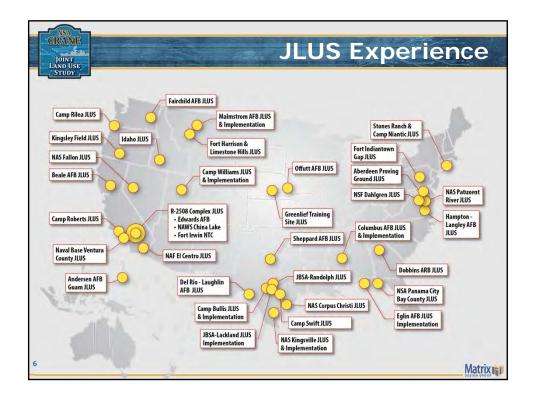


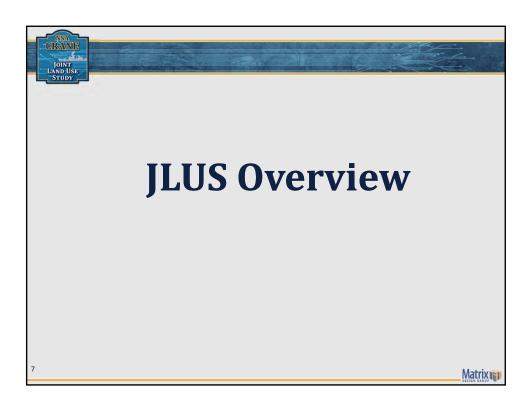


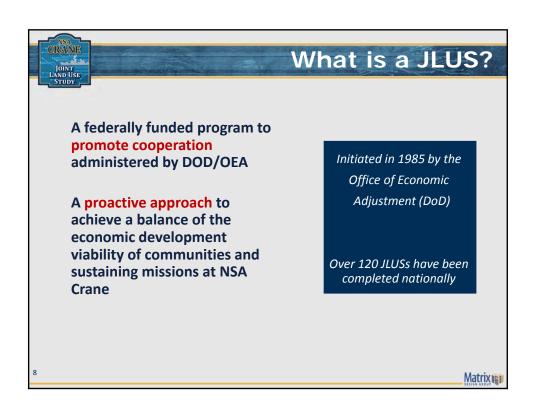














JLUS Facts

A JLUS is:

- a <u>collaborative process</u> between stakeholder partners
- Set of recommendations to mitigate or prevent incompatible development associated with the military mission:
 - Information
 - Communication
 - Coordination
 - Policy
 - Regulatory

A JLUS is **NOT**:

- a regulatory document
- an enforceable action

A JLUS is a body of information for decision makers of all levels to assist in making informed decisions

A JLUS requires follow-on support by all stakeholders, including the public, to implement the recommendations

Matrix



JLUS Objectives

Community

- Protect the health, safety, and welfare of residents / maintain quality of life
- Manage development in the vicinity of military installations that would interfere with the continued operations of these facilities
- Protect opportunities for new growth in an economically, environmentally, and socially sustainable manner
- Maintain the economic vitality of the community / region

Military

- Protect the health, safety, and welfare of the military and civilian personnel living and working at or near the military installation
- Ensure the ability of the installation to achieve its mission, maintain military readiness, and support national defense objectives

10



JLUS Approach

Goal is to link to geographic areas to the issues

- Identify areas by specific compatibility issues and concerns
- Narrow focus to areas where the issues exist
- Minimize areas that require controls or policies
- Link solution types and tools to specific areas

Develop an implementation strategy for preventing and mitigating encroachment:

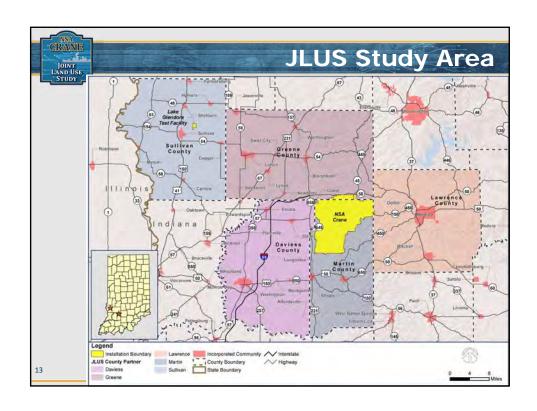
- Recommendations will involve local jurisdictions, state and federal agencies, private organizations, and the military
- Tie recommendations to specific military areas of concern

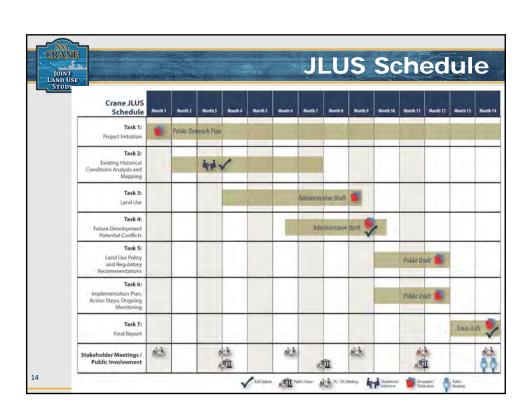
11

Matrix

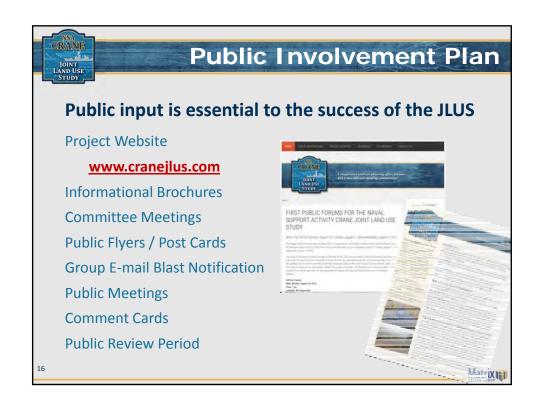
Who is Engaged in the JLUS?			
	Participants	Responsibilities	
Sponsor (Committee)	OCRA Radius Indiana IOOD NSA Crane	Coordination Accountability Grant Management Financial Contribution	
Policy Committee	Elected & Appointed Officials NSA Crane Radius Indiana	Policy Direction Study Oversight Monitoring Report Adoption	
Technical Working Group	Planning Staff Engineering Staff Technical Specialists Special Interests	Technical Issues Alternatives Report Development Recommendations	
Public	All interested persons	Public Input Public Comments	
		Mat	

6









CRANE JOINT LAND USE STUDY

Public Involvement

3 Public Forums

Forum #1 Project overview / Compatibility Factors /

Issue identification

Forum #2 Preliminary compatibility assessment

Forum #3 Draft JLUS

3 Meetings per Forum

- Daviess, Greene, Martin Counties
- Sullivan County
- Lawrence County

Matrix

NSA CRAME JOINT LAND USE STUDY

Technical Process/Deliverables

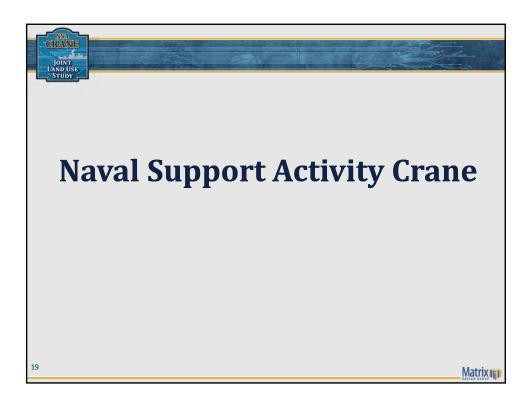
Background Report

- Introduction
- Community Profile
- Military Profile
- Existing Compatibility Tools
- Compatibility Assessment

JLUS

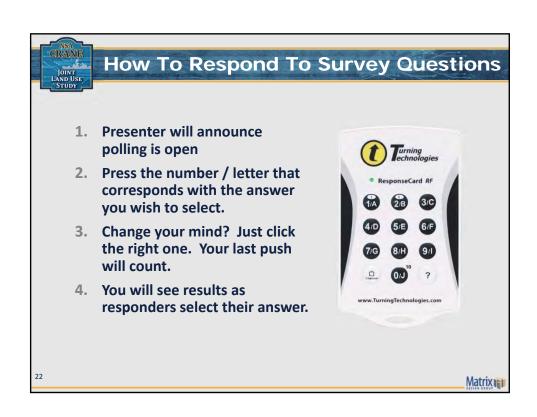
- Background Report Summary
- Implementation Plan

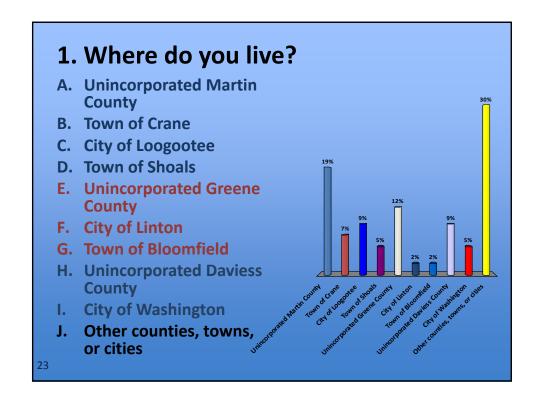
18

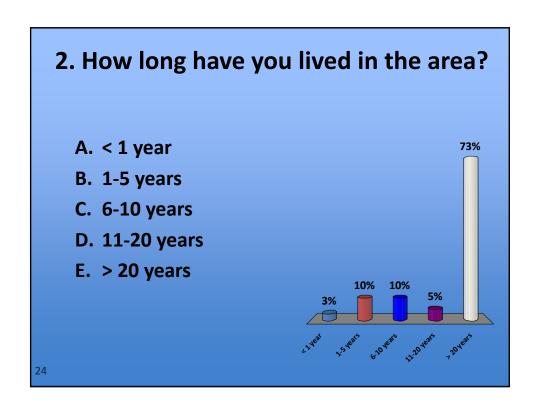




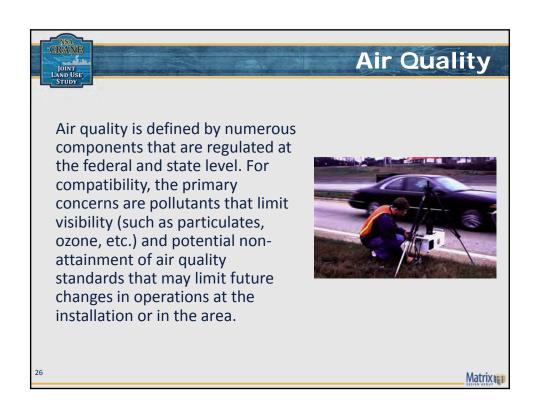


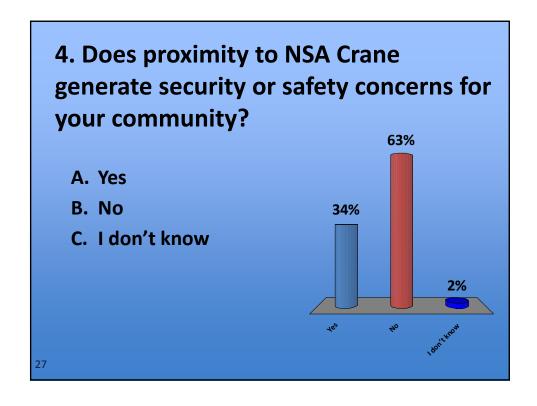


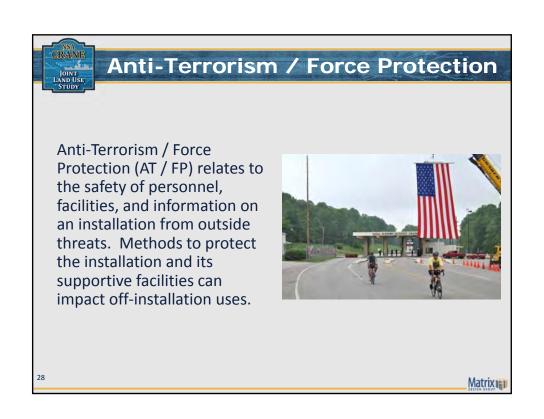


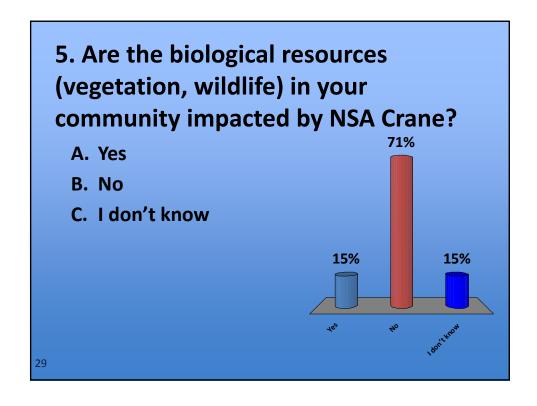


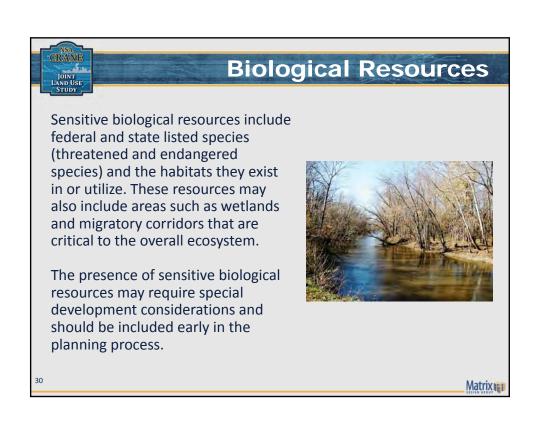
3. Do you feel that NSA Crane impacts the air quality in your community? A. Frequently B. Sometimes C. Rarely D. No E. I don't know

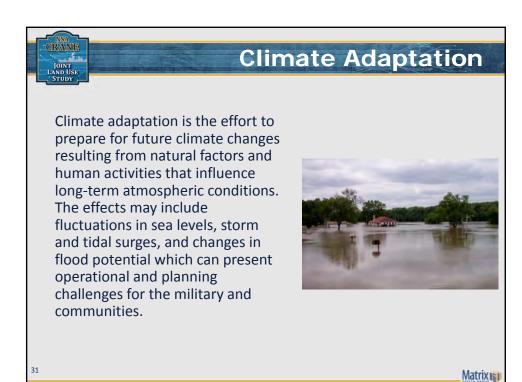


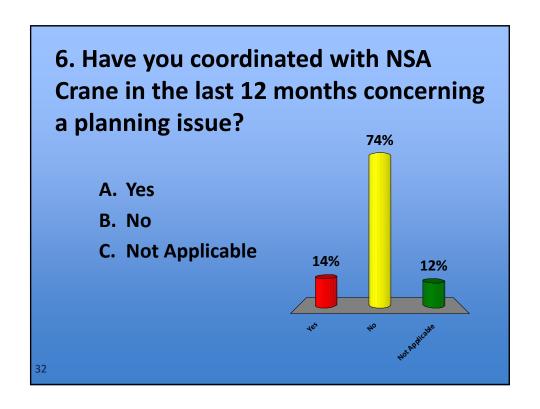


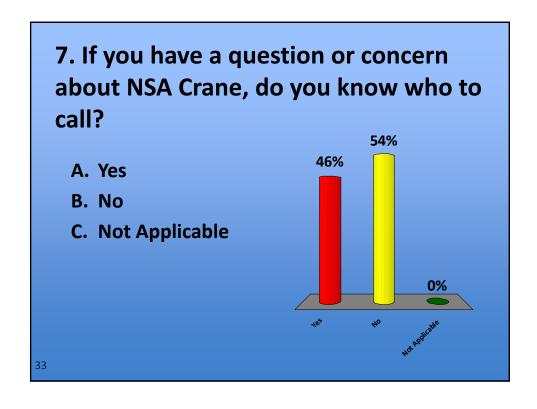




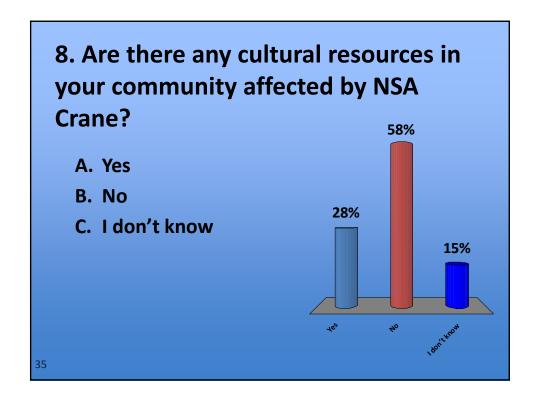


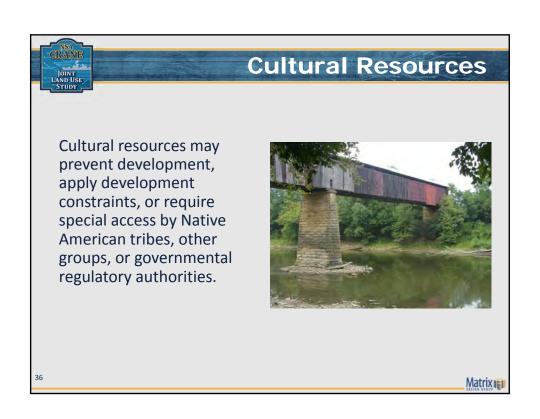




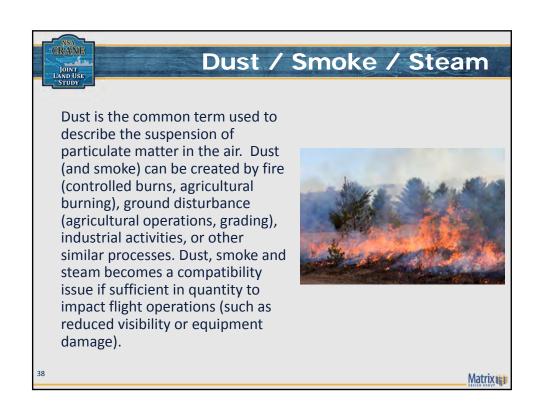




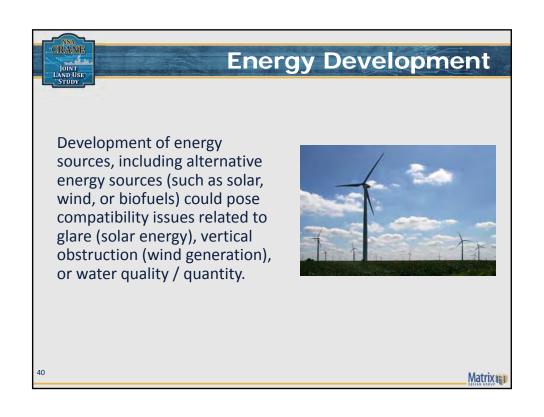


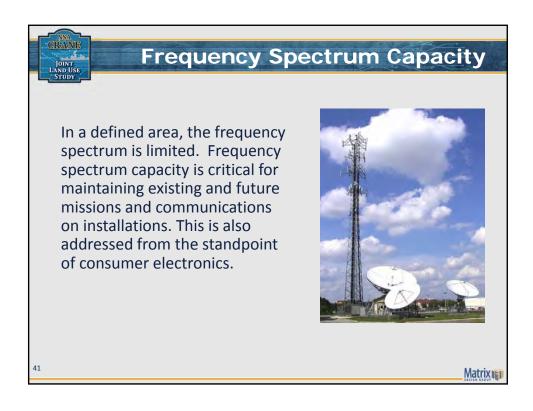


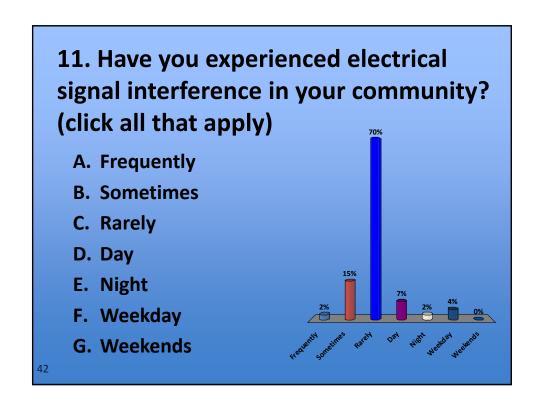
9. Does your community experience dust or smoke impacts due to NSA Crane operations? (click all that apply). A. Peak Morning B. Peak afternoon C. All day long D. Evenings and nights E. Weekends F. Seasonally G. No



10. Are alternative energy initiatives occurring in your community? (click all that apply) A. Solar B. Wind Energy C. Other D. No E. Don't know









Frequency Spectrum Impedance / Interference

Frequency spectrum impedance and interference refers to the interruption of electronic signals by a structure (impedance) or the inability to distribute / receive a particular frequency because of similar frequency competition (interference).



43

Matrix

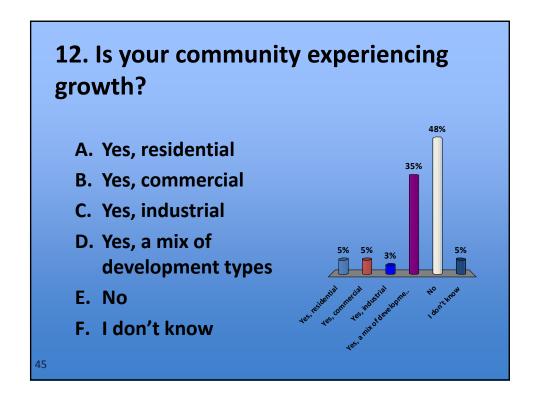
JOINT LAND USE STUDY

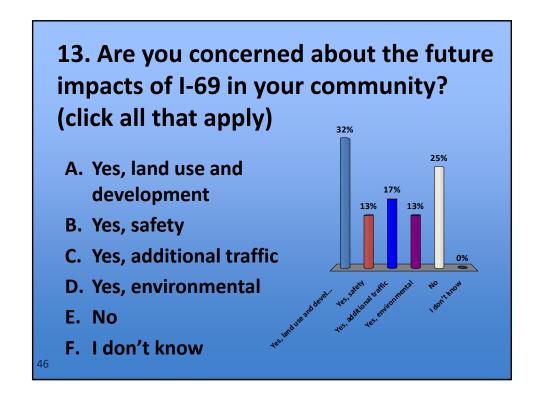
Housing Availability

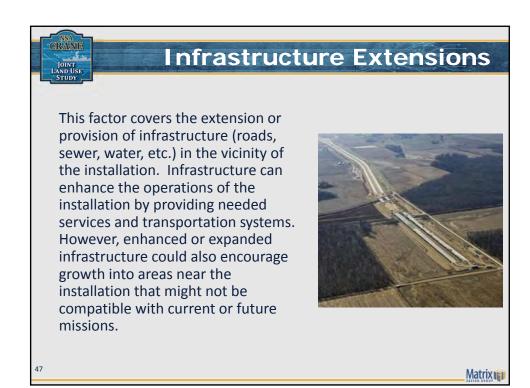
Local housing availability addresses the supply and demand for housing in the region, the competition for shelter that may result from changes in the number of military personnel, and the supply of military family housing provided by the installation.

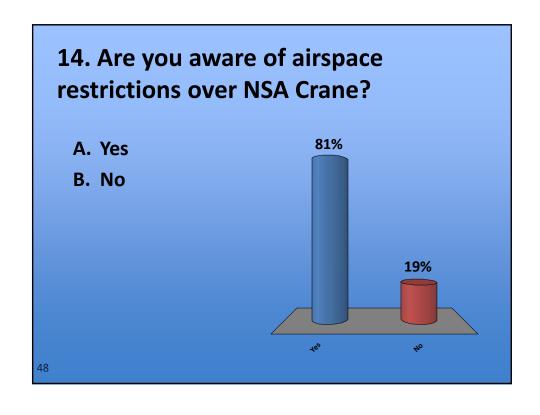


44

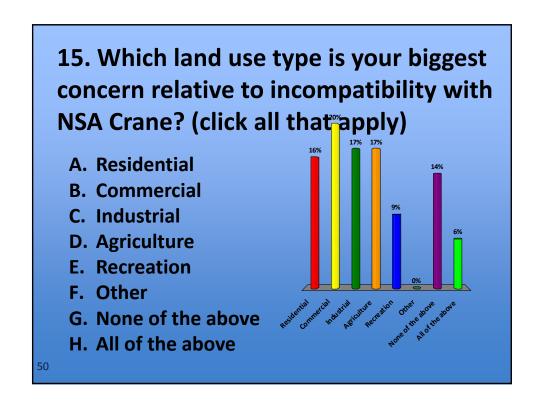








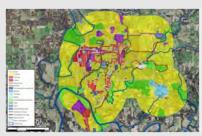






Land Use

The basis of land use planning relates to the government's role in protecting the public's health, safety, and welfare. County and local jurisdictions' comprehensive plans and growth policy can be the most effective tools for avoiding, or resolving, land use compatibility issues. These tools ensure the separation of land uses that differ significantly in character. Land use separation also applies to properties where the use of one property may impact the use of another, e.g. industrial uses are often separated from residential uses to avoid impacts related to noise, odors, lighting, etc.



51

Matrix

JOINT LAND USE STUDY

Legislative Initiatives

Legislative initiatives are federal, state, or local laws and regulations that may have a direct or indirect effect on a military installation to conduct its current or future mission. They can also constrain development potential in areas surrounding the installation.



52

JOINT LAND USE STUDY

Light and Glare

This factor refers to man-made lighting (street lights, building lights) and glare (direct or reflected light that disrupts normal vision).

Light sources from commercial, industrial, recreational, and residential uses at night can cause excessive glare and illumination. Conversely, high intensity light sources generated from a military area may have a negative impact on the adjacent community.



Matrix

55

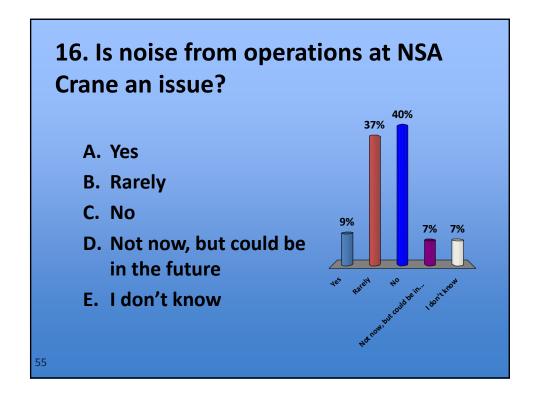
CRANE JOINT LAND USE STUDY

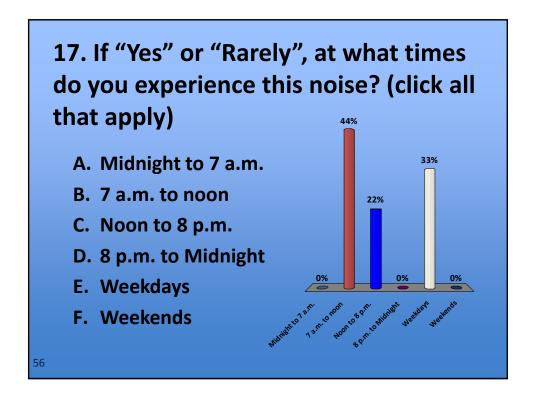
Marine Environments

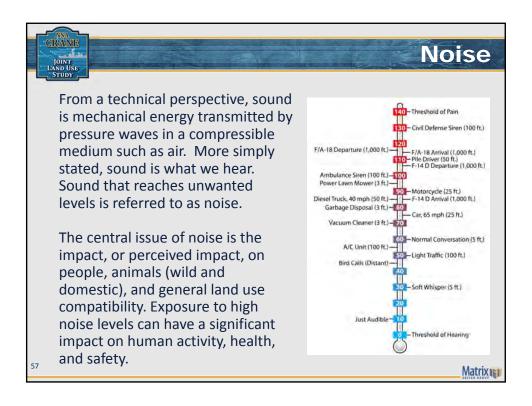
Regulatory or permit requirements protecting Marine and ocean resources can cumulatively affect the military's ability to conduct operations, training exercises, or testing in a water-based environment.

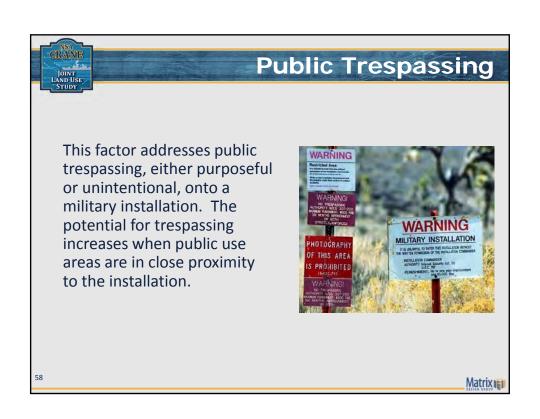


54

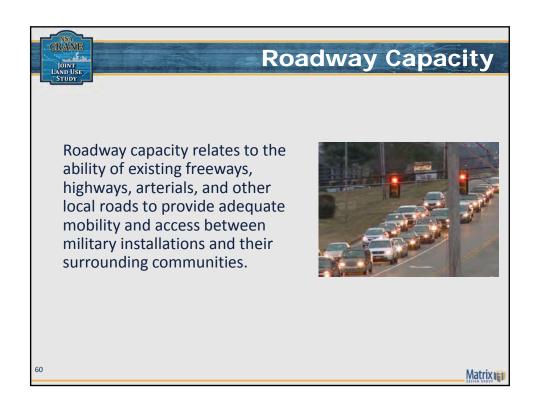


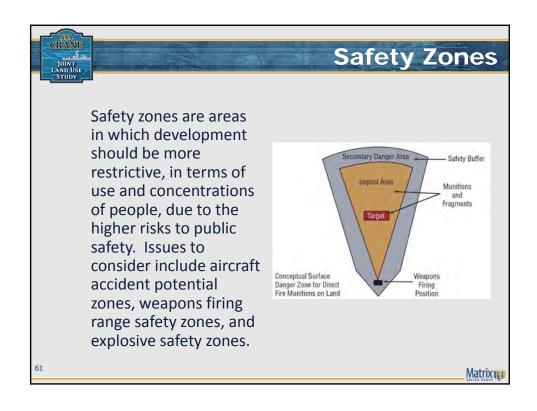


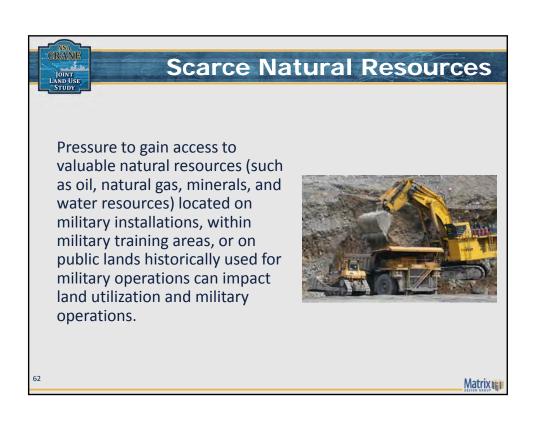


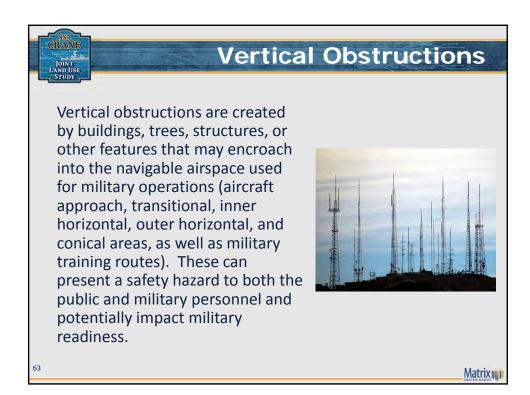


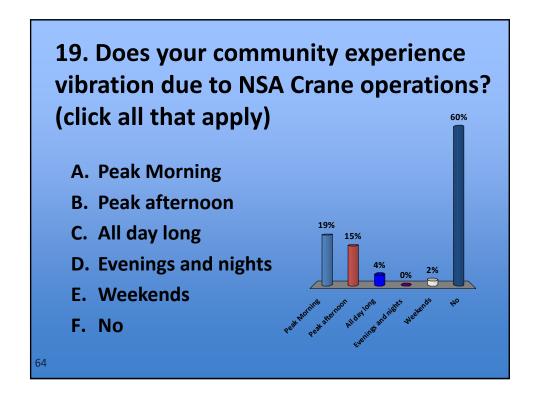
18. Does your community experience traffic congestion associated with NSA Crane? (click all that apply) A. Peak Morning B. Peak afternoon C. All day long D. Evenings and nights E. Weekends F. No

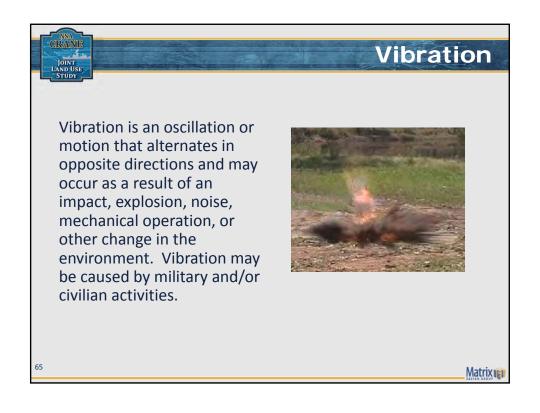


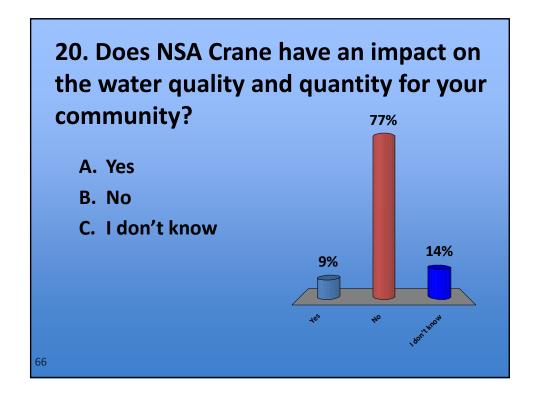


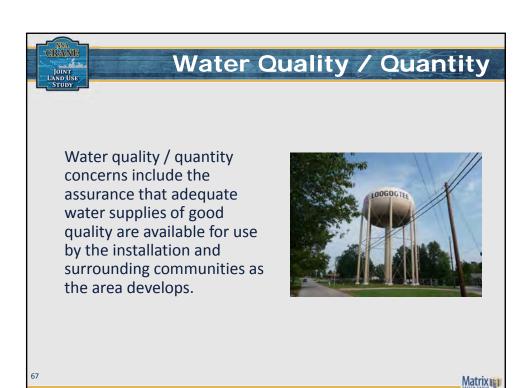


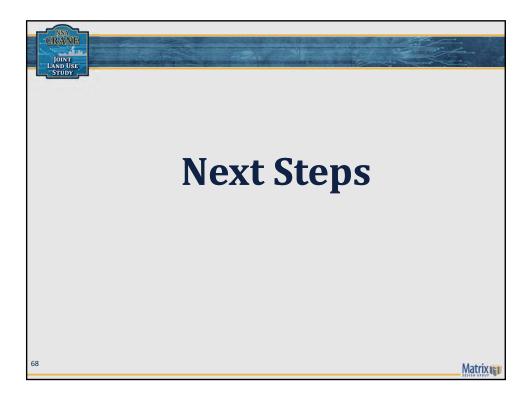












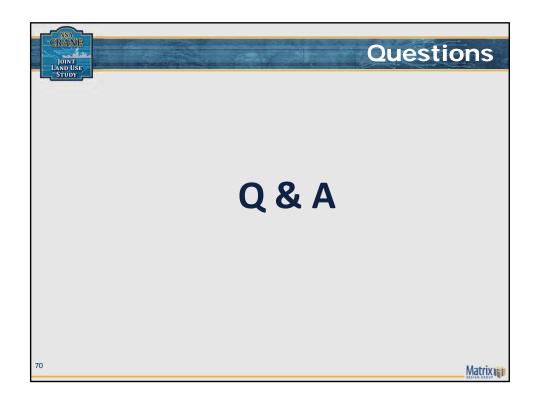


Email: MCrouch@ocra.IN.gov

Phone: 317.750.7670

www.cranejlus.com

69





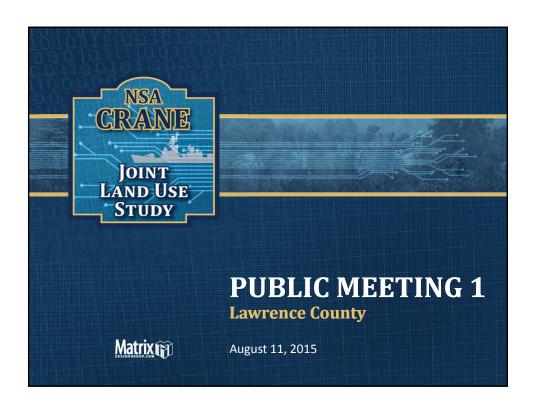
PUBLIC MEETING SIGN-IN SHEET

DATE / TIME:	August 11, 2015 5:00 PM
GROUP:	PUBLIC FORUM XI - LAYESNES CONTY
LOCATION:	THE STELLAR PLAZA, BEDFORD, IN

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
DONALD ROBERTSON	SPICE VALLEY TWASHI	8/2-275-5719	anldrob@ AOL.com
Ryan Griffeth	Spice Velley Tomoship	812-583-5667	rgriffith 16@ gmail.oon
MIKE LOULE	TIMES-MAIL NESSEPAPER	812-277-7258	Mlewischmnews.com
Brian Bladerell	NSWC Crane	812-854-3766	brian blackwoll@nauy.mil
COR CRADDOCK	NSA CRANE	812-854-8989	finothy, craddock @navy, mil
CIDE DALTON	ASA CREWE PUD	812-899-1389	SEN. DALTON C NAVY, MIL
Janie Jones	Spice Valler Footh Township	812-388-716	janje rtccom. net
Deb/John Edwards	Spice Valler booth township Spt steel comarion Mitchell 1530 Raviden Hull help	1812 388 7327	jedwards@rtccom.net
CARY BLEDSOE	WESTGATE	812-295-6007	
JANIE CRAIQ ChENAULT	CAW.Co.	812.27.9 3123	janic. chennella comenst. Ned

Name/Title	COMMUNITY	TELEPHONE#	E-MAIL
Burda Keng	Witchell, In.	8/2-583-4007	davolleling Soney a Brail, com.
Drudi Dillman	Wy K One Bed & Bloom	812-583-1385	Edillman @dwd. rn.gov
Debbie Bule	Mitchell	812-276-8925	rdbeeler @Yahoo.com
Grey Jones	SIDC Courence	812 295 3707	gejones @s:dc.cc
Kenneth King	Witabell, In.	812-583-6006	Kenneth King @ Gomail, com
Row Scott	Bedford	812-276-4742	ranscottefs. Feel. us
Advad Jacobson			
Lisa Grissom	Bed Ford	812-275-4493	bedford@bedfordchamber.com
San Sarvis	INDOT	812890-6300	Ssarvs@Indot.ingol
At Robins	BROGORD	P12/277-0355	Du Lobbins 27 20 SMAIL. COM
Mandan Alija. Itan	B. J.E)	812277 8316	AKH@HamiltonSystems.US
DALE ANKROM	WESTGIATE	317 257 1886	TEA @ DEA LINE.US

NAME /TITLE	COMMUNITY	TELEPHONE#	E-MAIL
Dene WCracken	Courty Conneil	583-5189	genermechacken @ gmail
CHUCK MARTINDALE	HOOSE ENERGY	812/876-0378	cmartindalo@hon.com
	OCRA	317-407-7932	kstingelæ ocra in gov
Danise Alano-Martin	Bloomington	812-349-3477	aleno de bloomigton.in. so
Grey Edwards	BRYASTSUILLE	812-298-6142	gregedwords 2463 @gmail.com
John + Deb Edwards	r	812-278-468	1
Shawna Girgis	Bedford	812-279-0134	
Corcy Allen	Bedford	812 - 275 -0001	culleng brgcivil.com
1000 NOODS	NSA CRANE	8/28546997	
Adela Bowden URIER	Bedford City Council	812 2184647	soar director @gmail.com
Bedly Skillman	Radiis		
Beelly Skillman Aletha Donston	OCRA		admston@ ocra. m.30v

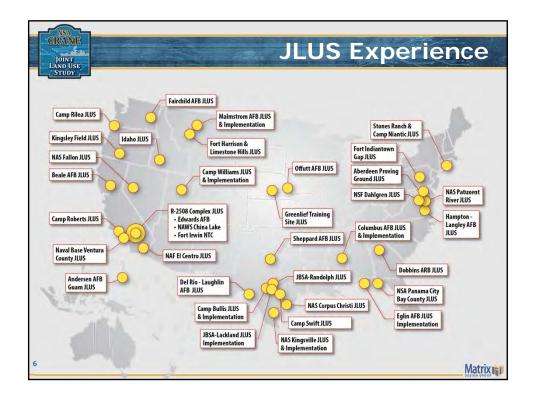


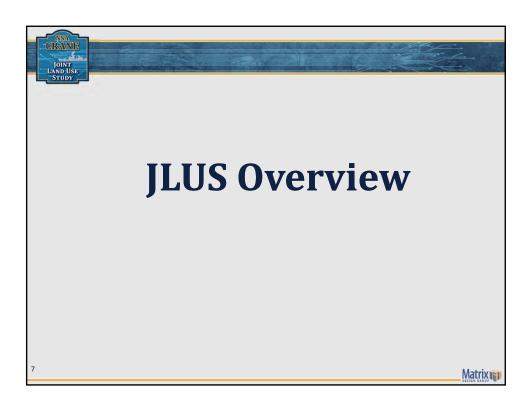


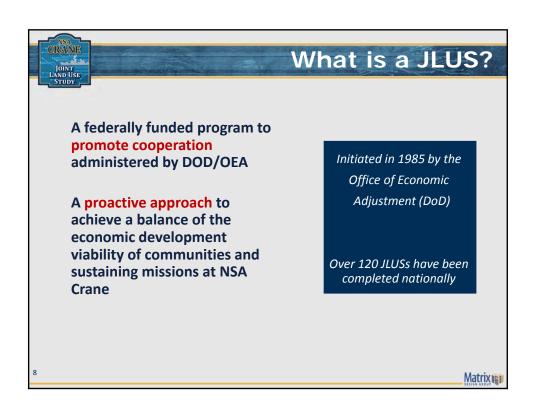














JLUS Facts

A JLUS is:

- a <u>collaborative process</u> between stakeholder partners
- Set of recommendations to mitigate or prevent incompatible development associated with the military mission:
 - Information
 - Communication
 - Coordination
 - Policy
 - Regulatory

A JLUS is **NOT**:

- a regulatory document
- an enforceable action

A JLUS is a body of information for decision makers of all levels to assist in making informed decisions

A JLUS requires follow-on support by all stakeholders, including the public, to implement the recommendations

Matrix



JLUS Objectives

Community

- Protect the health, safety, and welfare of residents / maintain quality of life
- Manage development in the vicinity of military installations that would interfere with the continued operations of these facilities
- Protect opportunities for new growth in an economically, environmentally, and socially sustainable manner
- Maintain the economic vitality of the community / region

Military

- Protect the health, safety, and welfare of the military and civilian personnel living and working at or near the military installation
- Ensure the ability of the installation to achieve its mission, maintain military readiness, and support national defense objectives

10



JLUS Approach

Goal is to link to geographic areas to the issues

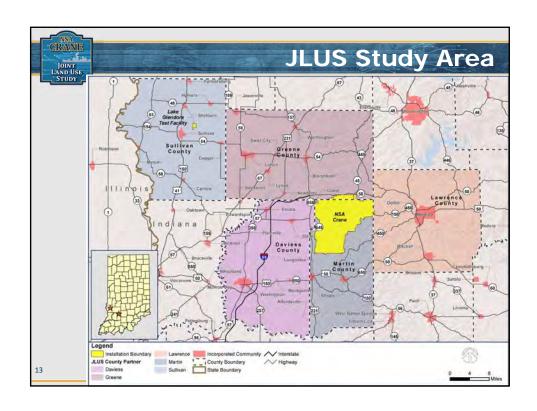
- Identify areas by specific compatibility issues and concerns
- Narrow focus to areas where the issues exist
- Minimize areas that require controls or policies
- Link solution types and tools to specific areas

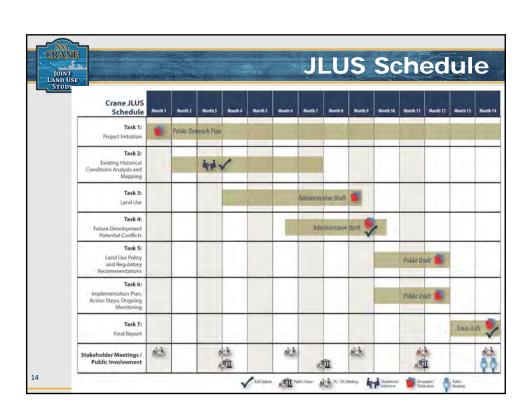
Develop an implementation strategy for preventing and mitigating encroachment:

- Recommendations will involve local jurisdictions, state and federal agencies, private organizations, and the military
- Tie recommendations to specific military areas of concern

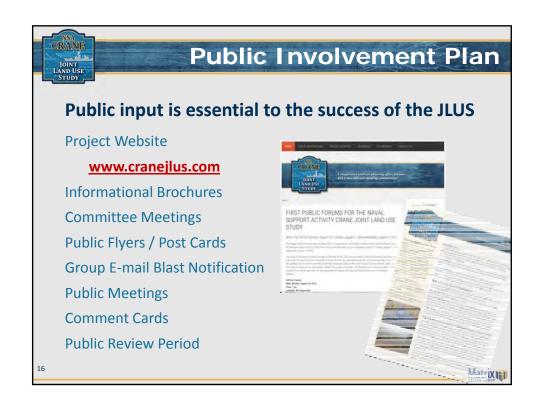
11

Wh	o is Engage	ed in the JLL
	Participants	Responsibilities
Sponsor (Committee)	OCRA Radius Indiana IOOD NSA Crane	Coordination Accountability Grant Management Financial Contribution
Policy Committee	Elected & Appointed Officials NSA Crane Radius Indiana	Policy Direction Study Oversight Monitoring Report Adoption
Technical Working Group	Planning Staff Engineering Staff Technical Specialists Special Interests	Technical Issues Alternatives Report Development Recommendations
Public	All interested persons	Public Input Public Comments









CRANE JOINT LAND USE STUDY

Public Involvement

3 Public Forums

Forum #1 Project overview / Compatibility Factors /

Issue identification

Forum #2 Preliminary compatibility assessment

Forum #3 Draft JLUS

3 Meetings per Forum

- Daviess, Greene, Martin Counties
- Sullivan County
- Lawrence County

Matrix

NSA CRAME JOINT LAND USE STUDY

Technical Process/Deliverables

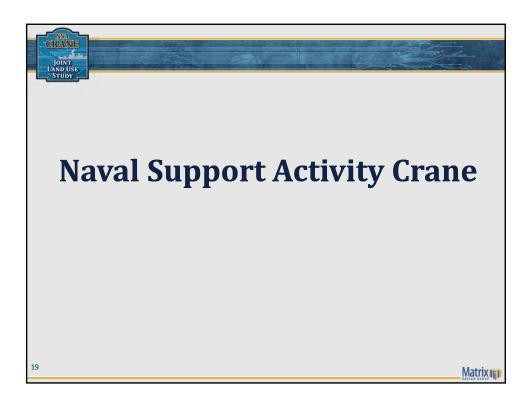
Background Report

- Introduction
- Community Profile
- Military Profile
- Existing Compatibility Tools
- Compatibility Assessment

JLUS

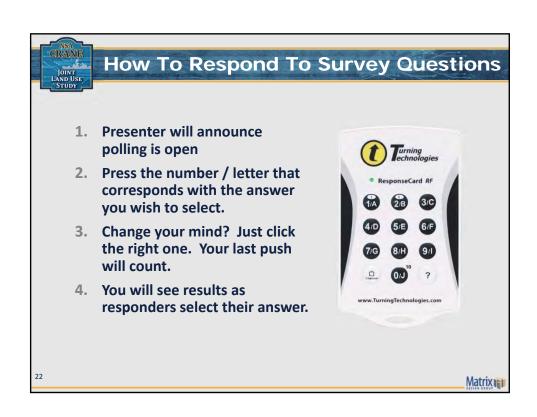
- Background Report Summary
- Implementation Plan

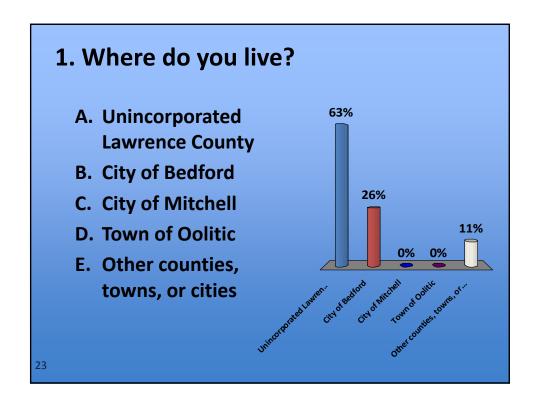
18

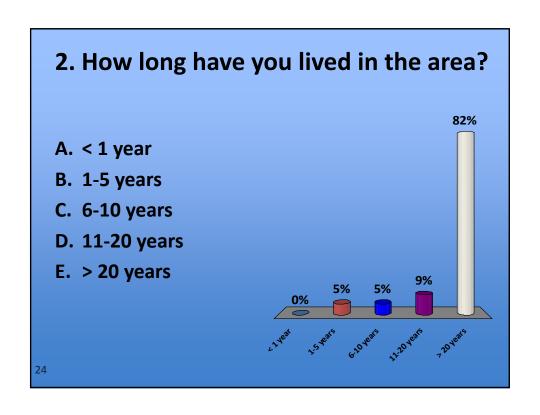




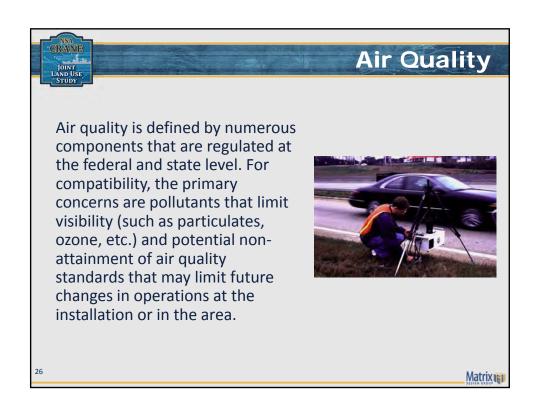


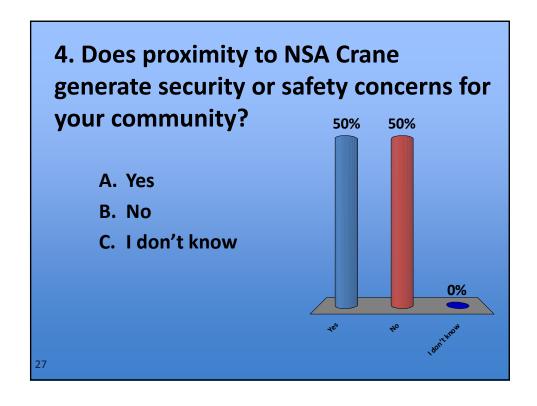




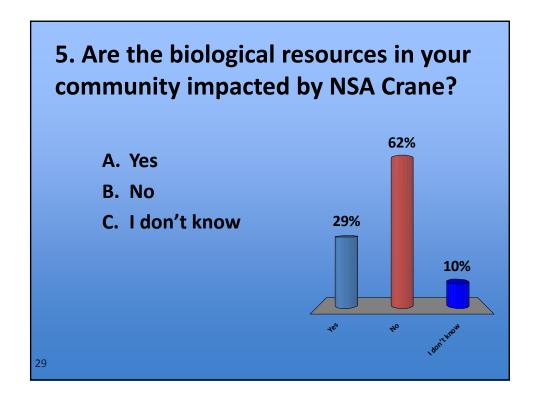


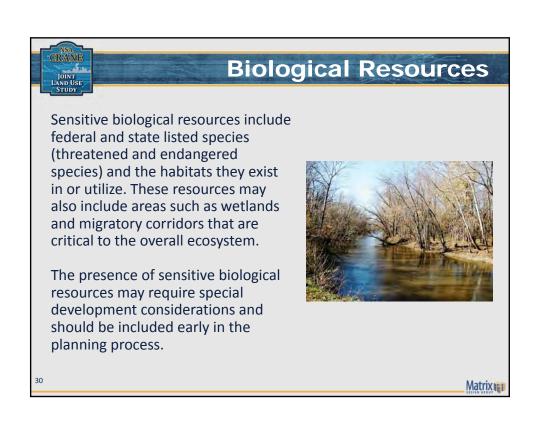
3. Do you feel that NSA Crane impacts the air quality in your community? A. Frequently B. Sometimes C. Rarely D. No E. I don't know

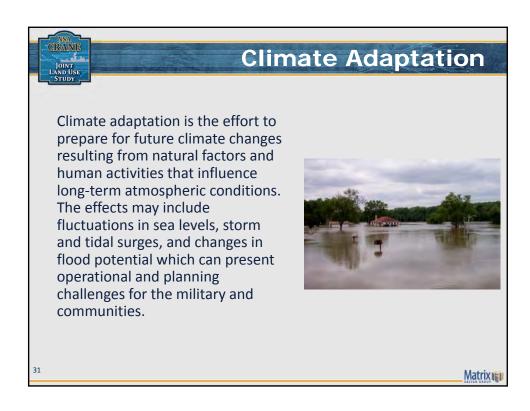


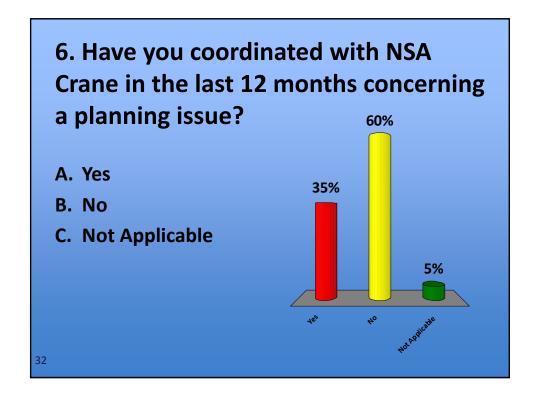


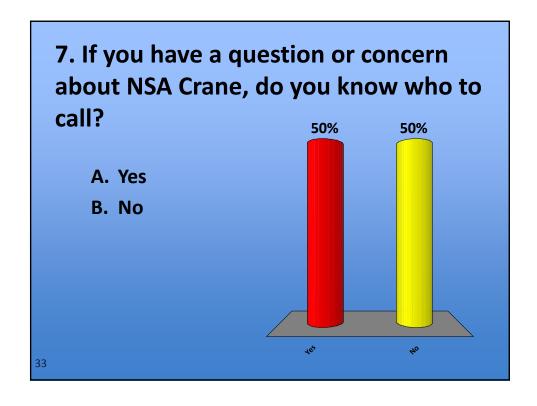




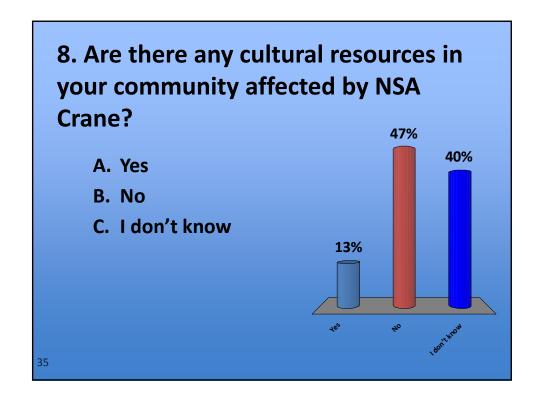


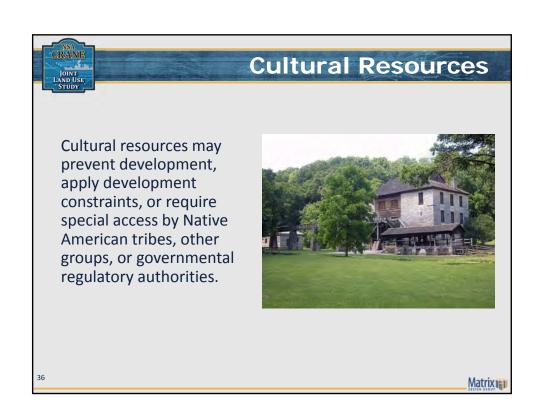


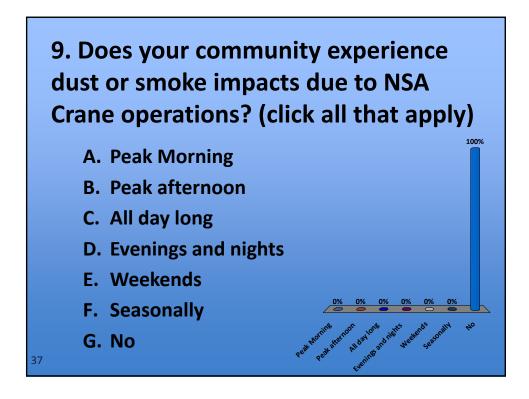


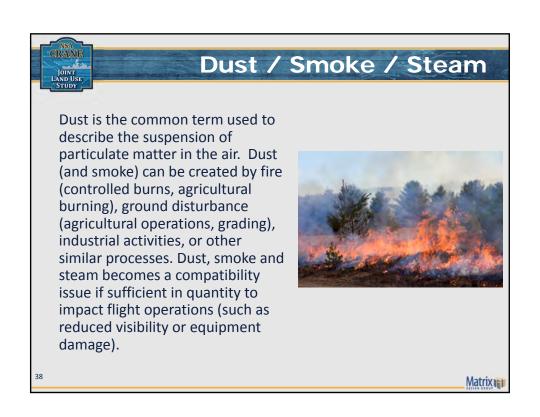


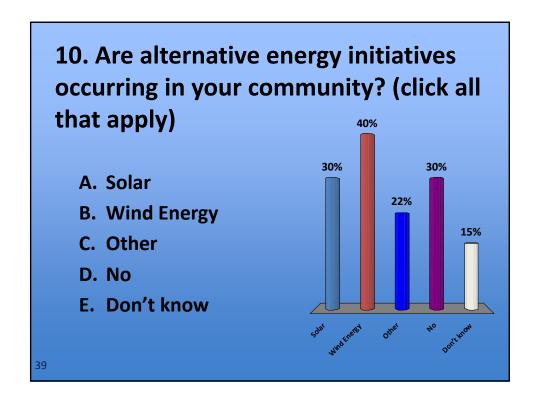


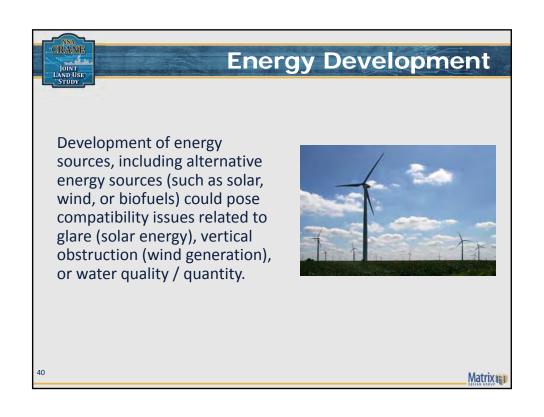


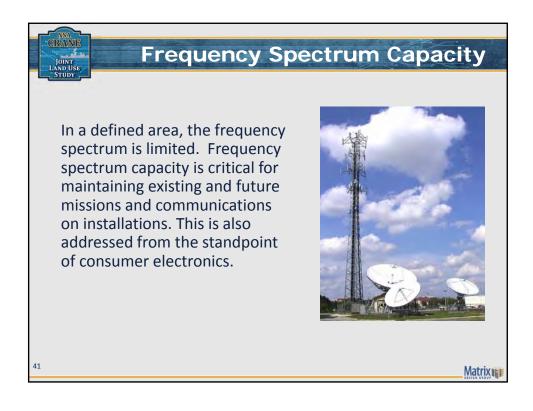


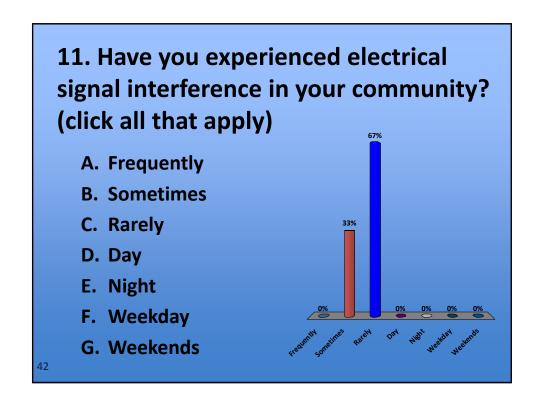














Frequency Spectrum Impedance / Interference

Frequency spectrum impedance and interference refers to the interruption of electronic signals by a structure (impedance) or the inability to distribute / receive a particular frequency because of similar frequency competition (interference).



43

Matrix

JOINT LAND USE STUDY

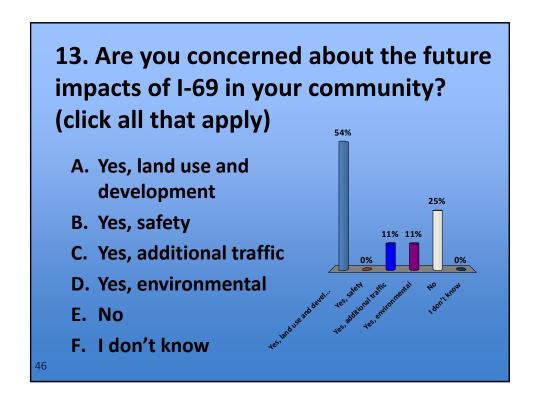
Housing Availability

Local housing availability addresses the supply and demand for housing in the region, the competition for shelter that may result from changes in the number of military personnel, and the supply of military family housing provided by the installation.



44







This factor covers the extension or provision of infrastructure (roads, sewer, water, etc.) in the vicinity of the installation. Infrastructure can enhance the operations of the installation by providing needed services and transportation systems. However, enhanced or expanded infrastructure could also encourage growth into areas near the installation that might not be compatible with current or future missions.

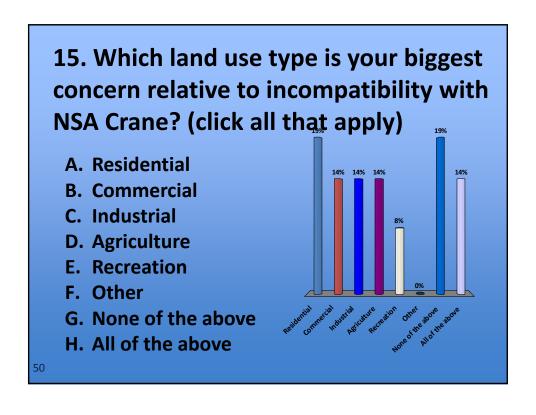


47

Matrix

14. Are you aware of airspace restrictions over NSA Crane? A. Yes B. No







Land Use

The basis of land use planning relates to the government's role in protecting the public's health, safety, and welfare. County and local jurisdictions' comprehensive plans and growth policy can be the most effective tools for avoiding, or resolving, land use compatibility issues. These tools ensure the separation of land uses that differ significantly in character. Land use separation also applies to properties where the use of one property may impact the use of another, e.g. industrial uses are often separated from residential uses to avoid impacts related to noise, odors, lighting, etc.



Matrix

NSA CRANE JOINT LAND USE

Legislative Initiatives

Legislative initiatives are federal, state, or local laws and regulations that may have a direct or indirect effect on a military installation to conduct its current or future mission. They can also constrain development potential in areas surrounding the installation.



52

JOINT LAND USE STUDY

Light and Glare

This factor refers to man-made lighting (street lights, building lights) and glare (direct or reflected light that disrupts normal vision).

Light sources from commercial, industrial, recreational, and residential uses at night can cause excessive glare and illumination. Conversely, high intensity light sources generated from a military area may have a negative impact on the adjacent community.



Matrix

55

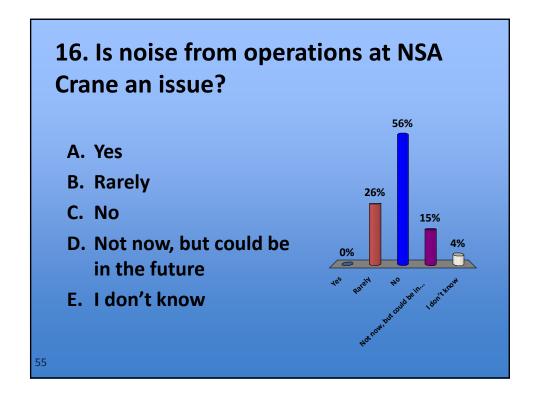
CRANE JOINT LAND USE STUDY

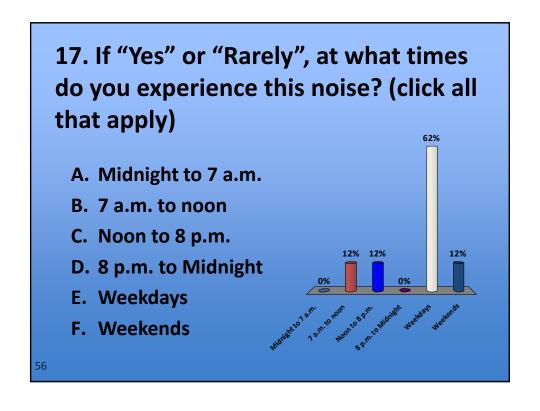
Marine Environments

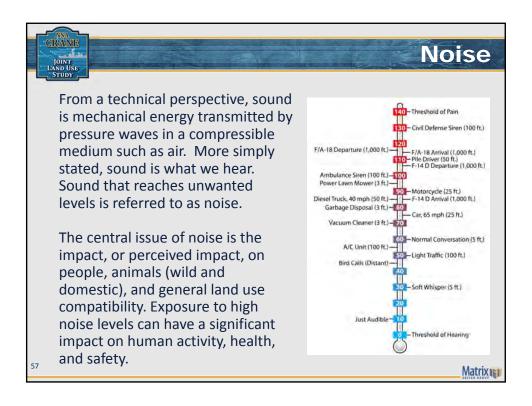
Regulatory or permit requirements protecting Marine and ocean resources can cumulatively affect the military's ability to conduct operations, training exercises, or testing in a water-based environment.

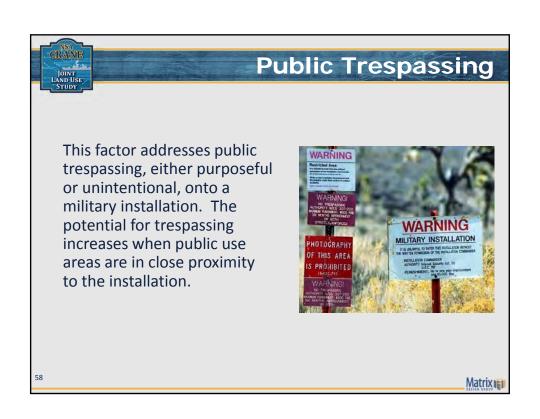


54

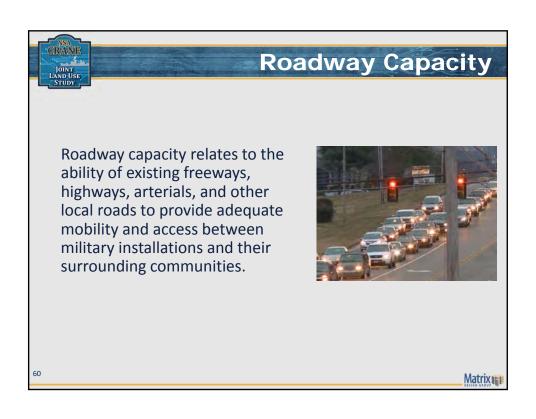


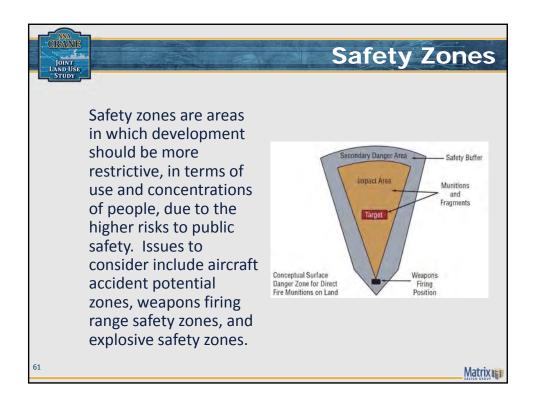


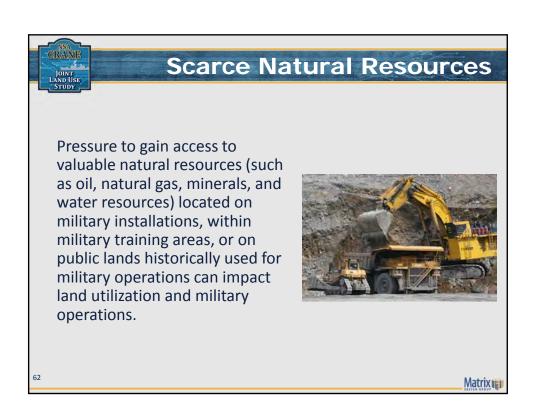


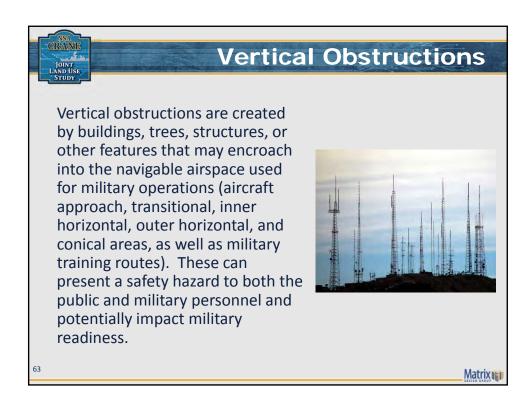


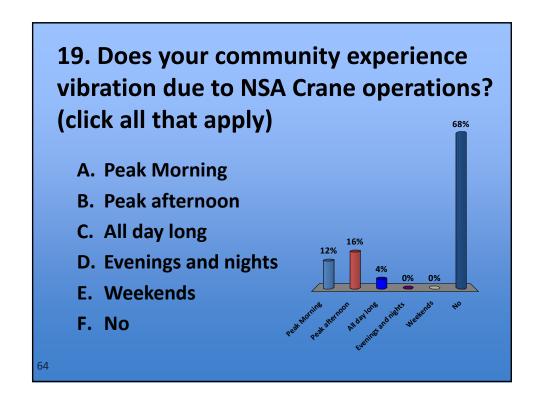
18. Does your community experience traffic congestion associated with NSA Crane? (click all that apply) A. Peak Morning B. Peak afternoon C. All day long D. Evenings and nights E. Weekends F. No

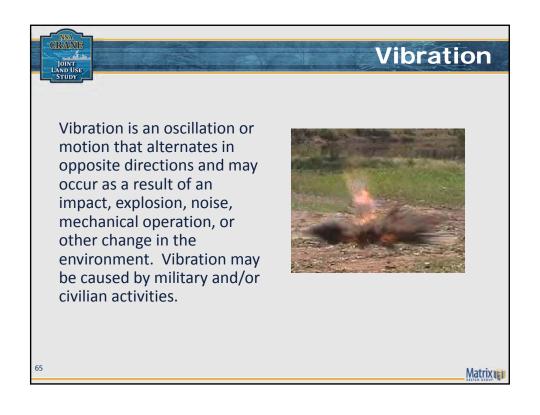


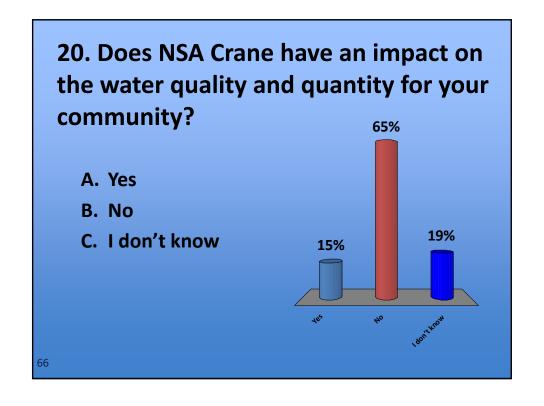


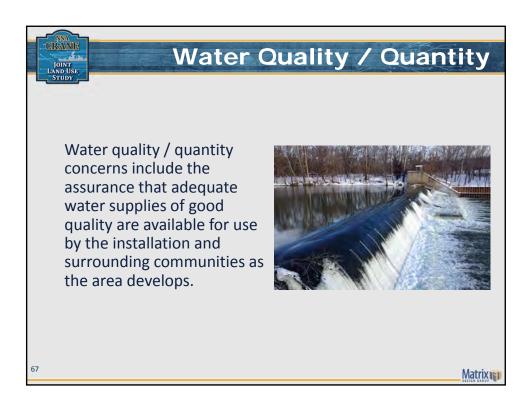


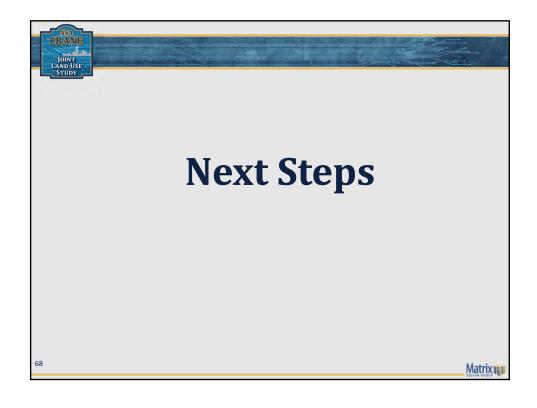












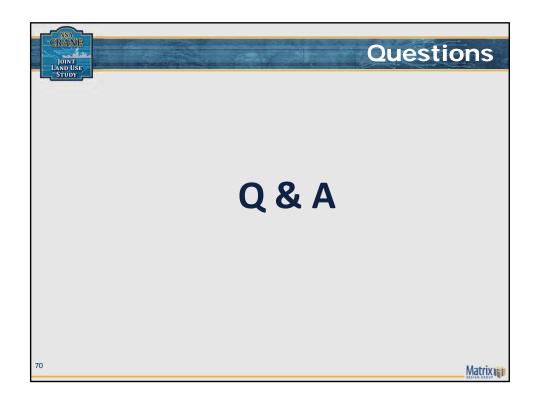


Email: MCrouch@ocra.IN.gov

Phone: 317.750.7670

www.cranejlus.com

69





Naval Support Activity Crane JLUS Public Forum #1 Public Comments and Responses

Comment #	Public Comment	JLUS Team Response		
Sullivan Count	Sullivan County Forum (August 10, 2015)			
1	Explosions- 6 different times, heard/felt explosions- Around noon-4	This concern has been incorporated as a Noise and Vibration issue in the JLUS compatibility analysis.		
2	Very educational, informative	Thank you. The JLUS Development Team aims to provide thoughtful information that benefits all stakeholders in the JLUS process.		
3	Access to ability to hunt and operate firearms is a concern in the vicinity of Glendora Lake.	The purpose of the Joint Land Use Study is not to preclude the use of property but rather to foster an open dialog between the community and military that results in mutually beneficial outcomes. This concern is incorporated as a Land Use issue in the JLUS compatibility analysis.		
4	Limitations on residential development on land that we purchased for recreation and residential development are our primary concerns for the land use process.	The purpose of the Joint Land Use Study is not to preclude the use of property but rather to foster an open dialog between the community and military that results in mutually beneficial outcomes. This concern is incorporated as a Land Use issue in the JLUS compatibility analysis.		
5	Cell phone interference- I live 2 miles north of Lake Glendora and often have static and lack signals	This concern has been incorporated as a Frequency Spectrum Interference / Impedance issue in the JLUS compatibility analysis.		

NSA Crane Joint Land Use Study Naval Support Activity Crane JLUS Public Forum #1 Public Comments and Responses

Comment #	Public Comment	JLUS Team Response			
Sullivan Count	Sullivan County Forum (August 10, 2015) continued				
6	Development - Restricting development will heavily impact the park and lake, City of Sullivan, and residential building	The purpose of the Joint Land Use Study is not to preclude the use of property but rather to foster an open dialog between the community and military that results in mutually beneficial outcomes. This concern is incorporated as a Noise issue in JLUS analysis.			
7	 Please have enough material for the group - I know you were surprised by turnout but you should have been prepared Please use microphone Please do not pass out material that needs explanation while speakers are talking Slides were hard to see/read, should have previewed these before showing to a group In this community you are dealing with mostly farmers/Ag- please get to the point. No need to read slides/explain after every question. Information is the key - but too much time to explain little 	These comments will be incorporated as lessons learned in the preparation for forthcoming Public Forums and how they are conducted. This feedback is always appreciated.			
Lawrence Cou	nty Forum (August 11, 2015)				
8	From a collaborative perspective, I see the need for our county to develop a comprehensive plan that would protect both entities.	This recommendation will be explored as a strategy to address the identified compatibility issues.			
9	The County needs to get coordinated with Crane and develop a land use jointly to protect our rural areas that have high density population with more restrictions on set-backs for Confined Animal Feeding Operations (CAFOs) or other industry start-ups in the rural setting.	Improved coordination and communication between stakeholders is an element critical to the success of the JLUS. How to protect the military mission and the economic viability of surrounding communities is the purpose of the JLUS. Balancing the protection of rural areas compatible with the military mission and economic growth is a consideration in the JLUS and will be explored in the development of recommended strategies for implementation.			

NSA Crane Joint Land Use Study Naval Support Activity Crane JLUS Public Forum #1 Public Comments and Responses

Comment #	Public Comment	JLUS Team Response		
Daviess-Green	Daviess-Greene-Martin County Forum (August 12,2015)			
10	Burns City Gate: Prefer that it not be used for additional traffic and guidance for lost truckers turning around last road before gate	The concern for additional traffic through Burns City will be taken into consideration in the development of recommended strategies for implementation. The concern for better commercial vehicle access is incorporated as a Roadway Capacity issue in the JLUS compatibility analysis.		
11	Contact and communication - Impossible to identify responsible parties to discuss issues and concerns. Seems purposely vague.	Improved coordination and communication between stakeholders is an element critical to the success of the JLUS. This concern is incorporated as a Communication and Coordination issue in the JLUS compatibility analysis.		
12	Military Administration has never approached Martin County government to provide access to information or contact persons.	Improved coordination and communication between stakeholders is an element critical to the success of the JLUS. This concern is incorporated as a Communication and Coordination issue in the JLUS compatibility analysis.		
13	Concern that some workers won't take security precautions seriously.	More information is needed to identify whether this is a community compatibility issue or an issue internal to NSA Crane.		
14	Put a phone number out for public use	Improved coordination and communication between stakeholders is an element critical to the success of the JLUS. This concern is incorporated as a Communication and Coordination issue in the JLUS compatibility analysis.		
15	Rarely cell phone disturbances	Thank you for providing information on the frequency of wireless communication disturbances you experience.		

NSA Crane Joint Land Use Study Naval Support Activity Crane JLUS Public Forum #1 Public Comments and Responses

Comment #	Public Comment	JLUS Team Response	
Daviess-Greene-Martin County Forum (August 12,2015) continued			
16	I-69 semi-trucks are already missing turns into Crane and use 645 which has no entrance to Crane - therefore causing damage to road and live on as a result.	The concern for better commercial vehicle access is incorporated as a Roadway Capacity issue in the JLUS compatibility analysis.	
17	Traffic leaving base speed out above speed limit squealing tires and very loud motorcycles (3-5pm)	This information will be conveyed to NSA Crane as part of the JLUS process.	
18	Loud "God Bless America" played over loud speaker at 8 am every weekday.	This information will be conveyed to NSA Crane as part of the JLUS process.	



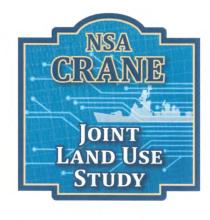
PUBLIC MEETING SIGN-IN SHEET

DATE/TIME: February 22, 2016

GROUP: Public Meeting

LOCATION: West Gate - Daviess, Greene, and Martin Canties

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Carolyp Parsons Dasney	Langeotee	812-295-4093	martin county clamber of commerce. Egmail.com
PHIL SM MH	LOOGOOTE	812 295/089	PHILLIP. M.SMITHE NAUY. MIL
Jerry Parknson (Senator Joe Donnelly		812-480-7900	Jerry - Parkinson Donnelly. Sanate. 900
Cont Johnson	Long. dee	812-295-1082	nccf@cfpartner.org
Jerry Barber	Washington	812 254 1648	
Duane Embree	Indiana office of Defense Development	812-583-2482	DEmbree@10DD. IN. GOV
E.B. RAWles	Indiana Farm Bureau	812-890-2182	erawles@infb.org
Rays Jenny Craw ford	Ddon	812-636-1727	
Jih myn	Oden	S12 636-73mo	Opon Juna
COL SEN DALTON	NSA CRANE	812-854-1389	



PUBLIC MEETING SIGN-IN SHEET

DATE/TIME: February 22, 2016

GROUP: Public Meeting # Z

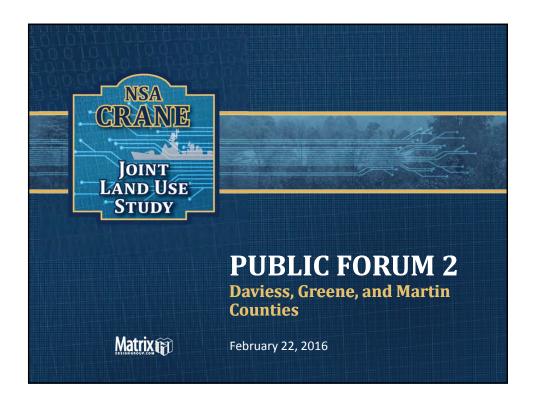
LOCATION: West Gate - Daviess, Greene, and Martin Counties

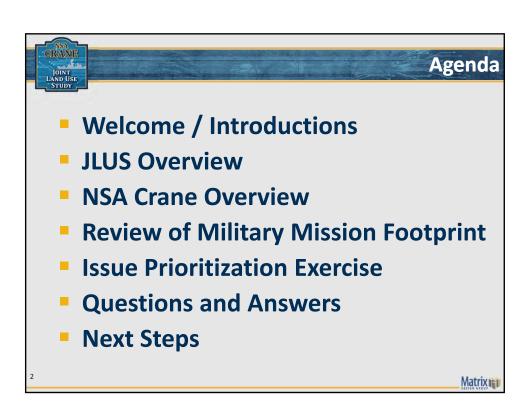
NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Denni Rutal	DAVIESS	812 636 7853	
Karen Rutch	l v	7-1	
NOEL HARTY	CITIOF LOOKOUTE MARTIN	812-215-4770	
Roger Downey	Loogootee Loogootee Loogootee	812-639-8106	
Timothy ELAWRENCE	City Courcel	812 630 2392	
Gaberta Milliams	103 ducen St. In	812-295-4542	
Brian Esch	Loogootee	812-295-4595	
Ed Mrehad	Gleene County	812-345-1006	
Linda + Miles Olson	Daviess County	812-295-3548	linda 3548@hotmail. com
Paul Flint	Daviess County	812-254-7021	

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Tim Hosey	BLOOMINGTON	(812)	
Joe Carley	Bloomington	812 369-8687	jtarly Qiuzdu a paul Cablue mar Gle ruet
Charlette An Yau	2 13 loonfield	863-7786	a paul Chlue mar Gle ret
		,	

COMMUNITY	TELEPHONE #	E-MAIL
Family Washington	812-254-5605	farmboy - 1950 @ gahoo. Com
hshc	212- 854-3766	
Bloomfield	812-863-2422	Kiserabluemarble, net
		larry, ordner omail. house . sol
Burn City	812-295-6005	OSBORN-TR@ Yahoo. Com
/		ssarviseindot.in.gov
Burns City	812-854-7605	sswage of com, net
CAAA	812 854 4825	
Saithurn Indiana Development	812-295-3707 Commission	Matt @ Side ce
,		
	FORTY Washington NSLC Bloomfield Burn City INDOT Tech Com Burns City CAAA	Family Washington 812-254-5605 NSLC 812-854-3766 Bloomfield 812-863-2422 812-455-5521 Buin City 812-295-6005 JNDOTTech Com 812-890-6300 Burns City 812-854-7605 CAAA 812 854 4825

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
J. Welton	BURP City	812-381-3996	SimWelton @ Berry Plastics, Con
Martin Vought	Jasper	317	national mudughto ocrain.gov
CDR TIM CRADDOCK	NSA CRANG	812-854-8989	timothy. eraddock@navy, mil
Tim Kinder	Martin County	812-295.4800	+Kinder@mart.nalliance.org
Jal Curry	OCIA	317-450-5078	journe ocrainigou
STeven Cron	Bloomf.cld	(812) 384-6894	croweeque @ yahoo, com
shil Correlius	DAVIKSS COUNTY	812-444-5798	· ·
JOHN MENSCH	BLOOMFIELD	812-384-3575	JOHNMENSCH @ 1ST SECURITYINSURANCE. COM
Kent Norris	Plainville	812-4867243	Knorris@rtecom.com
MALEA HUFF MAN PUROVE EXTENSION	BLOOMFIELD	812.345.5628	huffmann & purdue edu

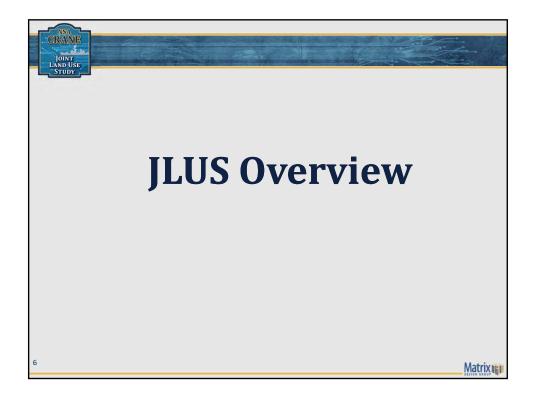


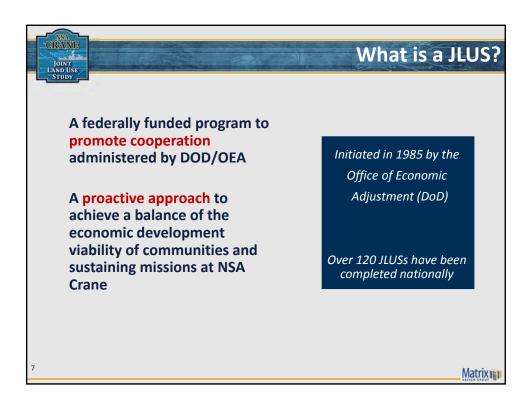
















JLUS Facts

A JLUS is NOT:

- a regulatory document
- an enforceable action

<u>A JLUS is</u> a body of information for decision makers of all levels to assist in making informed decisions

<u>A JLUS requires</u> follow-on support by all stakeholders, including the public, to implement the recommendations

Matrix



JLUS Objectives

Community

- Protect the health, safety, and welfare of residents / maintain quality of life
- Manage development in the vicinity of military installations that would interfere with the continued operations of these facilities
- Protect opportunities for new growth in an economically, environmentally, and socially sustainable manner
- Maintain the economic vitality of the community / region

Military

- Protect the health, safety, and welfare of the military and civilian personnel living and working at or near the military installation
- Ensure the ability of the installation to achieve its mission, maintain military readiness, and support national defense objectives

10

JOINT LAND USE STUDY

JLUS Approach

Goal is to link to geographic areas to the issues

- Identify areas by specific compatibility issues and concerns
- Narrow focus to areas where the issues exist
- Minimize areas that require controls or policies
- Link solution types and tools to specific areas

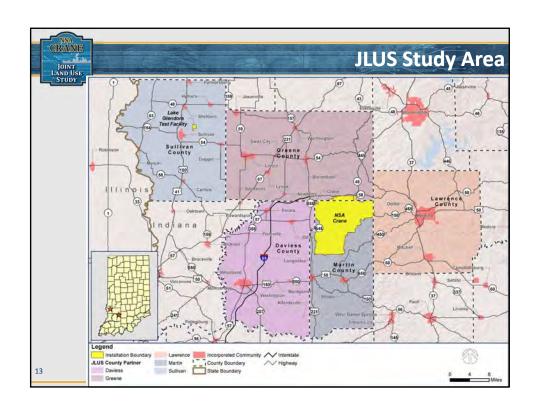
Develop an implementation strategy for preventing and mitigating encroachment:

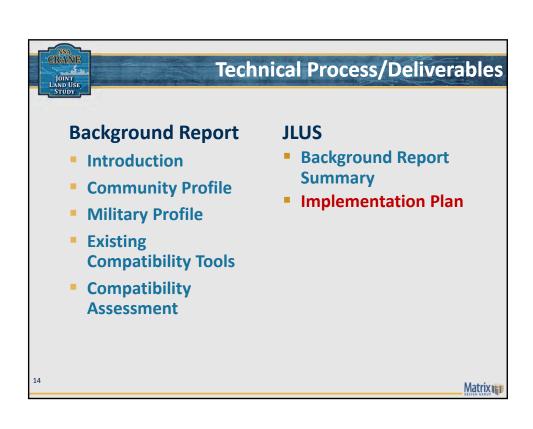
- Recommendations will involve local jurisdictions, state and federal agencies, private organizations, and the military
- Tie recommendations to specific military areas of concern

11

Matrix

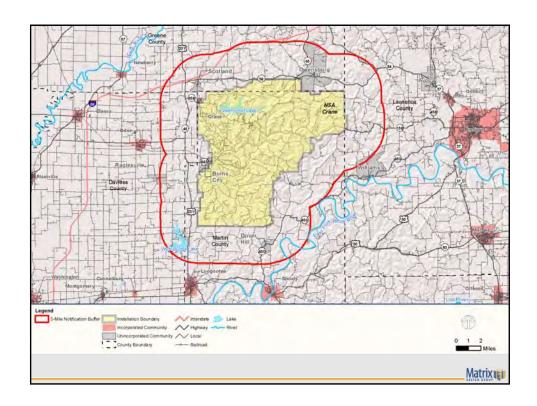


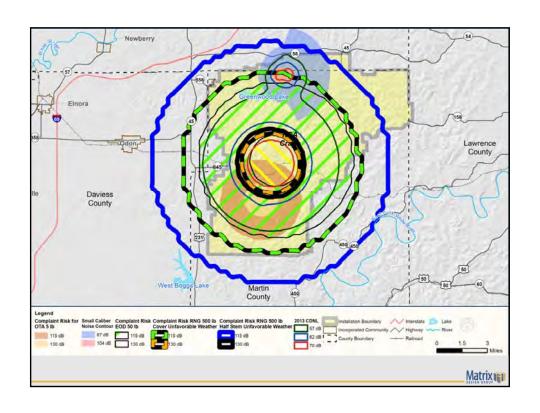


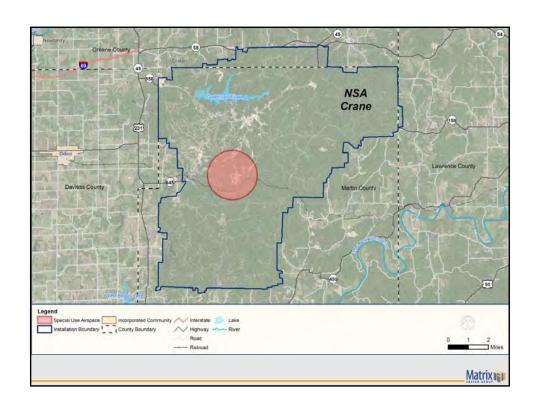


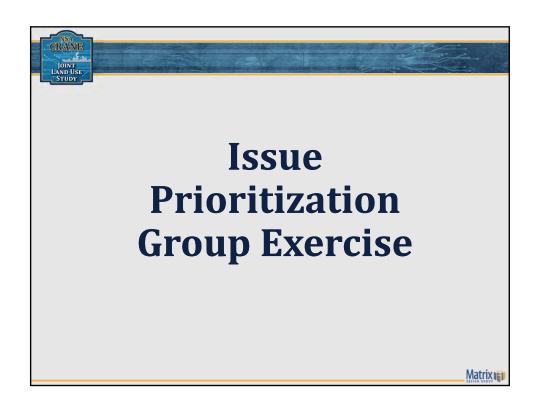




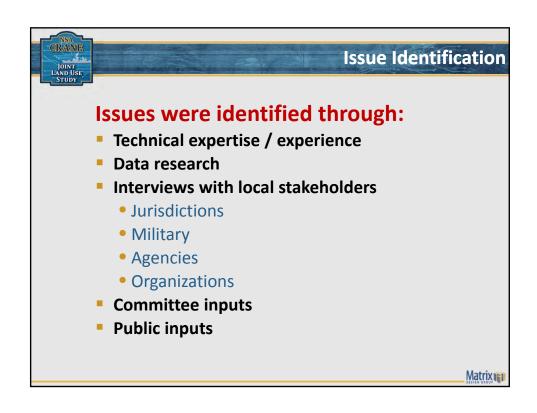


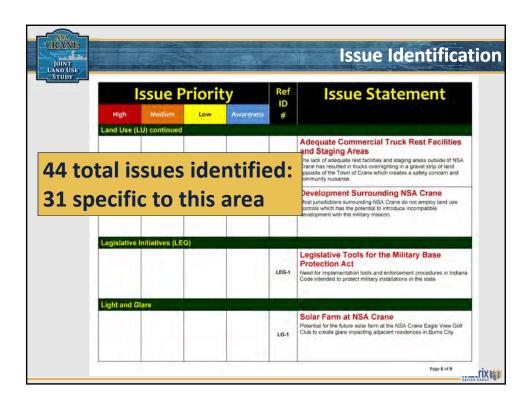


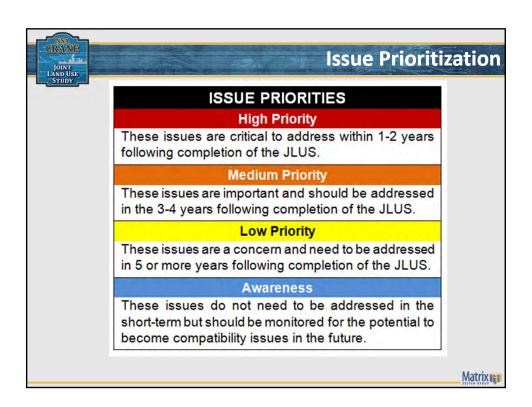


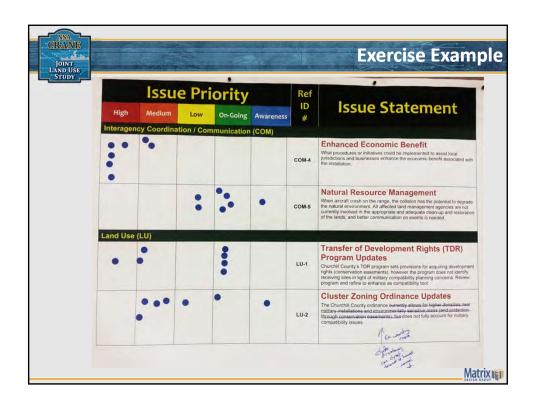




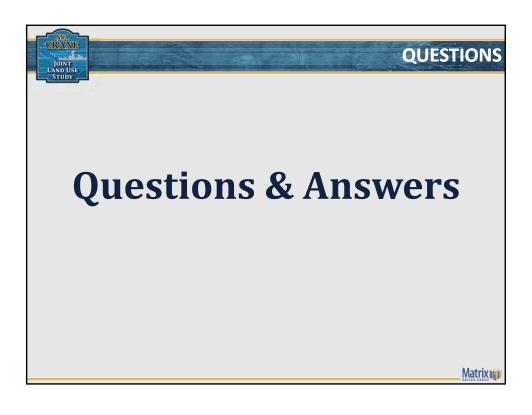


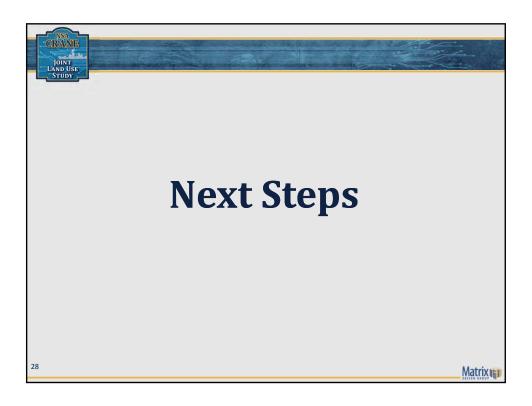




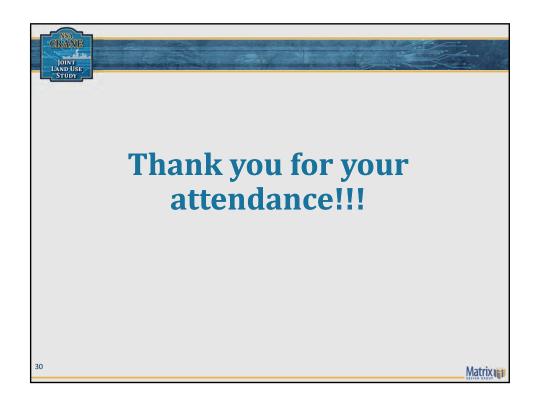


CRANIE JOINT LAND USE STUDY		Exercise
	OTHER ISSUES:	
	÷	
	DOENE_OTHERSEE_2044SEELANWINDO	action vivous











For Questions Contact:

Indiana Office of Community and Rural Affairs

Matt Crouch, EDFP, Project Manager One North Capitol, Suite 600 Indianapolis, IN 46204

Email: MCrouch@ocra.IN.gov Phone: 317.750.7670

RADIUS Indiana

Jeremy Sowders, Director of Business Development 1504 | Street Bedford, IN 47421

Email: j.sowders@radiusindiana.com Phone: 812.277.9778

www.cranejlus.com

Matrix



A cooperative land use planning effort between NSA Crane and surrounding communities

Compatibility Issues for Prioritization

The following pages contain a list of the preliminary compatibility issues identified to date. The issues listed are a work in progress that will be further refined and developed as additional input is obtained and the project progresses. This list was developed based on Policy Committee and Technical Working Group inputs, stakeholder interviews, Public Forum #1, and input from Matrix staff. Each issue is categorized by Compatibility Factor (the list below identifies the 25 compatibility factors initially presented for issue identification). Please assign a priority based on the implementation timeframe described below. Input received will be used to assist in the development of compatibility recommendations and strategies to address each issue.

Q Air Quality	LAS	Land / Air / Sea Spaces
Anti-Terrorism / Force Protection	LU	Land Use
O Biological Resources	LEG	Legislative Initiatives
A Climate Adaptation	LG	Light and Glare
Coordination / Communication	MAR	Marine Environments
	NOI	Noise
100	PT	Public Trespassing
	RC	Roadway Capacity
Energy Development	SA	Safety Zones
Frequency Spectrum Capacity	SNR	Scarce Natural Resources
Frequency Spectrum Impedance /	VO	Vertical Obstructions
Interference	V	Vibration
Housing Availability	WQQ	Water Quality / Quantity

ISSUE PRIORITIES

High Priority

These issues are critical to address within 1-2 years following completion of the JLUS.

Medium Priority

These issues are important and should be addressed in the 3-4 years following completion of the JLUS.

Low Priority

These issues are a concern and need to be addressed in 5 or more years following completion of the JLUS.

Awareness

No issues were addressed for these factors; however, the potential for compatibility issues to arise in the future should be monitored.

	ssue P	riorit	y	Ref ID	Issue Statement
High	Medium	Low	Awareness	#	
Air Quality	(AQ)	1 1			
				AQ-1	Regional Air Quality Though Martin County is in attainment for six air quality criteria pollutants and NSA Crane is in compliance with its Part 70 Title V Air Quality operating Permit, future development has the potential to affect regional air quality.
Anti-Terror	ism / Force Pro	otection (AT)		
				AT-2	Naval Support Activity Crane Visitor's Center The NSA Crane Visitor's Center is located in the Town of Crane separated by approximately one mile from the NSA Crane Gate which affects access to protection-level resources.
Biological	Resources (BI	0)		100	
• • •	• • •		•••	BIO-1	Threatened or Endangered Species Areas at NSA Crane critical to threatened or endangered species such as the Bald Eagle, the Indiana Bat and the Northern Long-Eared Bat have the potential to impact mission operations and capability.
Coordinat	ion / Communic	cation (COM			
Coordinat				COM-1	Public Awareness and Knowledge of NSA Crane Need for increased public education of NSA Crane amongst the local community.

Medium	riorit			Issue Statement
	Low	Awareness	ID #	
Communica	ition (COM)	continued		
•••			COM-2	Contact and Coordination between NSA Crane and Surrounding Jurisdictions Need for enhanced and formal communication between surrounding jurisdictions and NSA Crane personnel / leadership.
			COM-3	Local Jurisdiction Planning Resources Need for improved awareness of local jurisdiction planning department structure, resources, and knowledge to facilitate coordination and communication from NSA Crane.
	•••		COM-4	Coordination of Public Safety Resources NSA Crane physical security forces are not authorized to assist jurisdictions with public safety and there is perception that NSA Crane does not want local law enforcement participation on the installation.
		••	COM-5	NSA Crane Public Outreach Need for NSA Crane public outreach with surrounding jurisdictions.
	• • •			Public Notification of Range Activities There is a need for increased public notification of NSA Crane range activities to surrounding local jurisdictions.
				COM-3 COM-4 COM-5

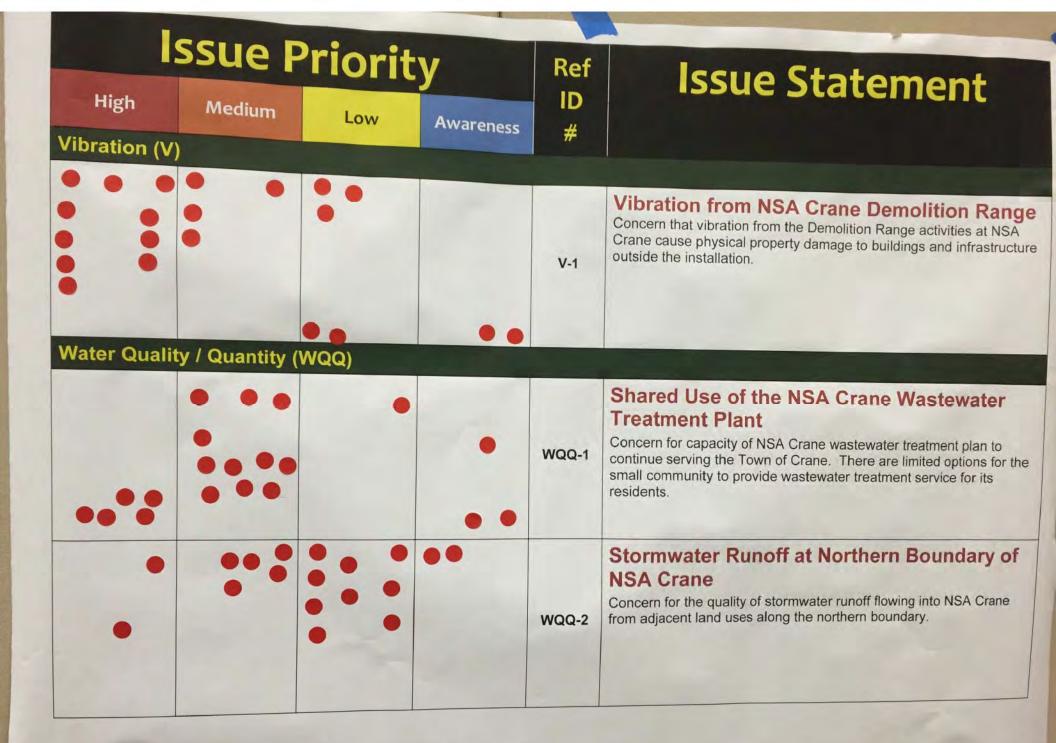
	ssue P	riorit	V	Ref	Issue Statement
High	Medium	Low	Awareness	ID #	Issue Statement
Coordination	on / Communic	ation (COM)	continued	"	
				СОМ-7	Coordinated Noise Complaint Process Concern that not all noise complaints generated by public and reported to jurisdiction authorities are conveyed to NSA Crane, creating a gap in the communication of complaints.
•				COM-8	Development Notification to NSA Crane Lack of coordination to notify NSA Crane of development within 3-mile radius around NSA Crane despite the state legislative mandate.
Dust / Smo	oke / Steam	0000			Dust from Demolition Area
			••	DSS-1	Detonations at the NSA Crane Demolition Range can generate fugitive dust impacts outside the installation.
		• • • •		DSS-2	Smoke from Prescribed Burns Smoke from prescribed burns at NSA Crane can migrate outside the installation.
					Page 4 of 9

L	Issue Priority		Ref	Issue Statement	
High	Medium	Low	Awareness	ID #	
Housing Av	ailability (HA)				
				HA-1	Lack of Housing Availability Proximate to NSA Crane Need for high quality housing accommodations proximate to NSA Crane to attract and retain personnel in the local area.
Infrastructu	re Extensions	(IE)			
				IE-1	Visitor Center Utilities The NSA Crane Visitor Center utilities are within the Town of Crane and not part of the NSA Crane infrastructure network making them subject to forces outside military control.
Land Use (L	U)				
	• •			LU-1	Future Development Associated with Interstate 69 Potential for incompatible development associated with the development of Interstate 69.
	•••			LU-2	Development of Westgate Technology Park Need for coordinated development at WestGate Technology Park to ensure future development is compatible with NSA Crane mission.

I:	ssue P	riorit	y	Ref	Issue Statement
High	Medium	Low	Awareness	ID #	
Land Use (L	₋U) continued				
•				LU-3	Adequate Commercial Truck Rest Facilities and Staging Areas The lack of adequate rest facilities and staging areas outside of NSA Crane has resulted in trucks overnighting in a gravel strip of land opposite of the Town of Crane which creates a safety concern and community nuisance.
				LU-5	Development Surrounding NSA Crane Most jurisdictions surrounding NSA Crane do not employ land use controls which has the potential to introduce incompatible development with the military mission.
Legislative	Initiatives (LE	:G)			
				LEG-1	Legislative Tools for the Military Base Protection Act Need for implementation tools and enforcement procedures in Indiana Code intended to protect military installations in the state.
Light and	Glare				
		•		LG-1	Solar Farm at NSA Crane Potential for the future solar farm at the NSA Crane Eagle View Golf Club to create glare impacting adjacent residences in Burns City.

Issue Priority		Ref	Issue Statement		
High	Medium	Low	Awareness	ID #	
Noise (NOI)				- "	
	•••			NOI-1	Noise from NSA Crane Ranges Noise from the NSA Crane Ranges extends off installation and has the potential to affect noise sensitive land uses.
				NOI-3	Regional Ground Noise Sources There are other regional sources of noise which can be misattributed to activities at NSA Crane.
				NOI-4	Regional Aircraft Noise Sources The Indiana Air National Guard flyways in the airspace surrounding NSA Crane are sometimes mistakenly attributed to NSA Crane.

Issue Priority		Ref	Issue Statement		
High	Medium	Low	Awareness	ID #	
Roadway C	apacity (RC)			"	
		•		RC-2	Commercial Truck Access Commercial truck traffic accessing NSA Crane shares the same entry gate as all other vehicles. The lack of a dedicated commercial truck access / gate for screening inspections can delay access for other vehicles and potentially create a security risk. The lack of commercial truck signage along US Route 231 has resulted in trucks missing the turn onto State Road 558 to the Crane Gate and traveling down State Road 645 to use local roads in Burns City for turning around.
				RC-3	Traffic from Newly Completed Interstate 69 Potential traffic impacts on local roadways associated with the completion of Interstate 69. Concern that additional uses could generate traffic congestion in the area surrounding the installation.
Safety Zor	nes (SA)				
				SA-1	Explosive Safety Quantity Distance Arcs Concern that Explosive Safety Quantity Distance Arcs (ESQD) arcs have potential to extend outside of NSA Crane with mission changes. Safety arcs over private property could expose property and property owners to risk of harm.
• • •				SA-3	Hazardous Materials Transportation Routes There are no designated Hazardous Materials Transportation Routes in association with daily shipments to NSA Crane. Because the same route is never used in sequence, many local roads are used for transport of hazardous materials.





A cooperative land use planning effort between NSA Crane and surrounding communities

Comments
Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.
OF MA CR & THE LETT PAND NIGHT THE IMPACT BE ON MISSION
THE MA CHANG CREATIONAL NOISE CONSULTATION IMPRO RECOMMENDATION I BE; LAND WE
OTAIN VARANT NEA CRAFE NOISE CONTOUNS
I THE PRESENTATION THE EXAMBER OF CAMPATIBILITY AND ALL NOA COUTRIC; WOLLOW'T IT
SEVETIT THE RUSICKE TO HEAR SIME OF THE EXAMPLES OF COMMUNITY INCOMPATIONITY, e.g.
NOT SUST IN THESE PROPER WHOLE CRANE MAY BE INCOMPATIBLE W/COMMUNITY
Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

Regen	Dover Hill	Calo	
	1,22		



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

projects if	untually					Sm P
projects it	VIIIIV	(1.9.0)(1.5)	2613	partition	Permario	9
Please	return this comment form	to the registration t	table or to a p	roject representativ	e.	
NSA						
CAD WANDS						
CIRAINIE	A cooperative land					
JOINT LAND USE STUDY	A cooperative land on NSA Crane and surr					
LAND USE	NSA Crane and surr	ounding commun	ities			
LAND USE STUDY	NSA Crane and surr	Commen	ts	o consideration thro	ughout the projec	t durati
Cour comments are VERY IMPO	NSA Crane and surr	Commen cof this Plan and wi	ts Il be taken int	TOWN TO THE LAND	A A A A A A A A A A A A A A A A A A A	
LAND USE STUDY our comments are VERY IMPO in glad he Thus	NSA Crane and surr	Comment of this Plan and will had to	ts Il be taken into	meeting	gs A	Ft
our comments are VERY IMPO	NSA Crane and surre	Comment of this Plan and will had to	ts Il be taken into	meeting	gs A	Ft

Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments
Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.
Thanks for the info.
Please return this comment form to the registration table or to a project representative.
CRAINE



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

I KEER THE DEER INSIDE CRANE'S FENCE.

2. REPLACE THE ARMY'S STREET LIGHTS IN THE

AREAS NEAR BURNSCITY WITH NEW LIGHTS

THAT DIRECT ALL LIGHT DOWNWARD.

3. MOST OF CRANE'S PENCE IS 4 FOOT HIGH FARM

FENCE THAT'S VERY VULNERABLE TO TERRORISTS

Please return this comment form to the registration table or to a project representative. POACHEES

4, I WANT TO KNOW WHAT IS FLOWING
THROUGH THE GROUND WATER WEST OF
THE BASE, I KNOW THE BASE HAS
DRILLED TEST WELLS IN THE PAST
AND I WANT TO KNOW WHAT'S IN THE
WATER AT WHAT DEPTH, FLOW RATE, AND
CONCENTRATION,

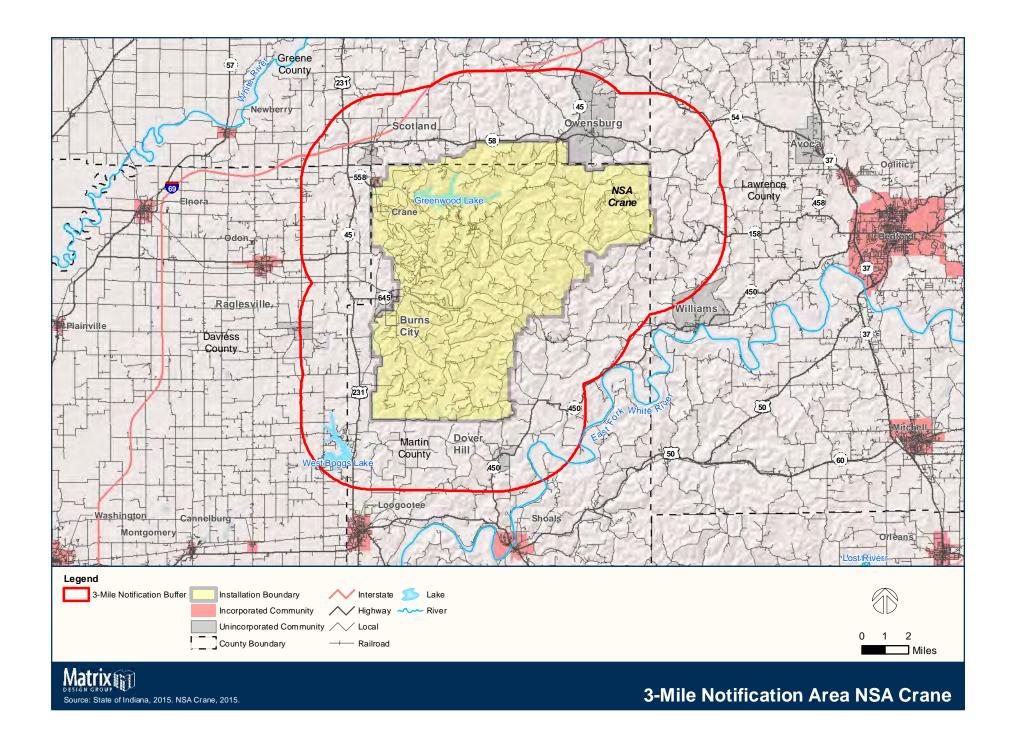


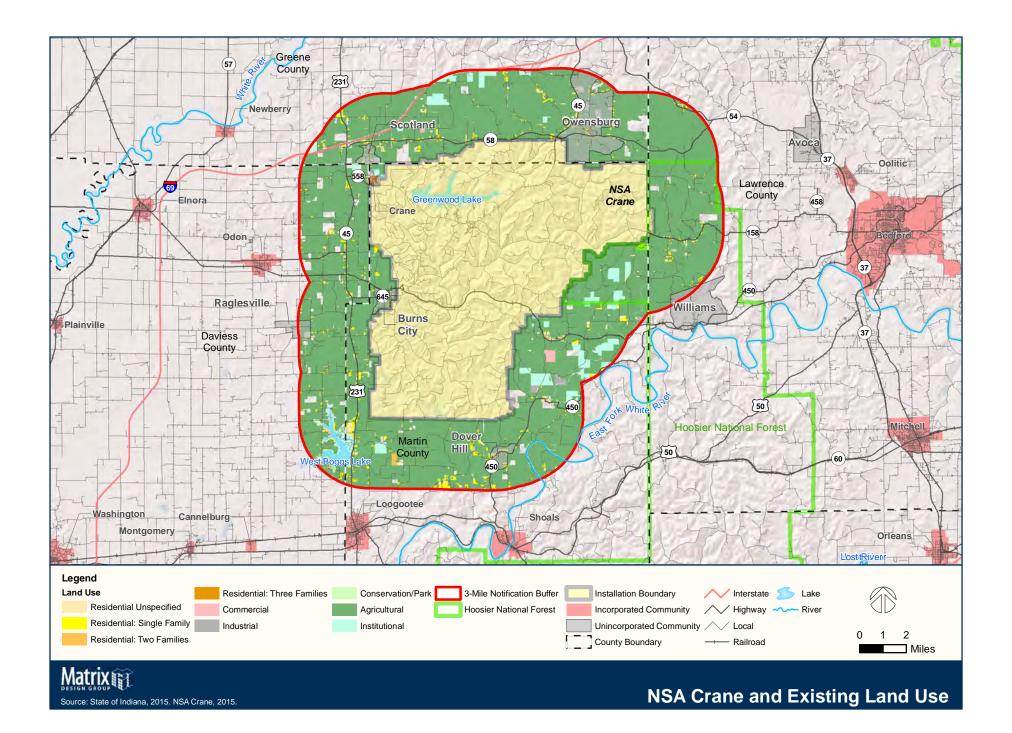
A cooperative land use planning effort between NSA Crane and surrounding communities

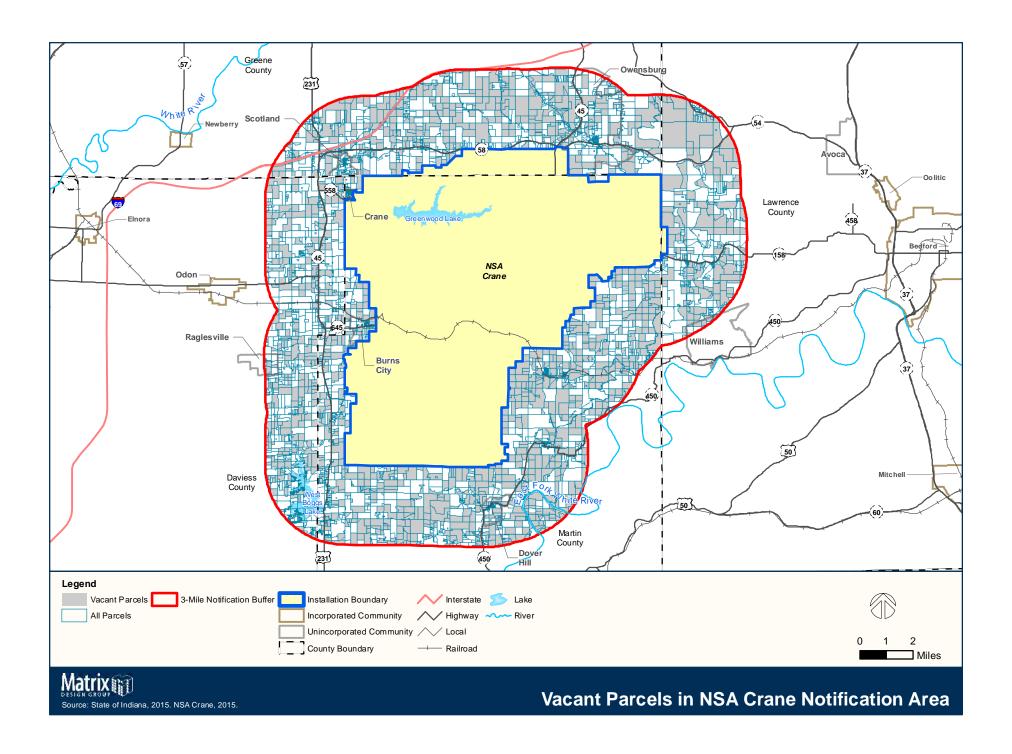
Comments

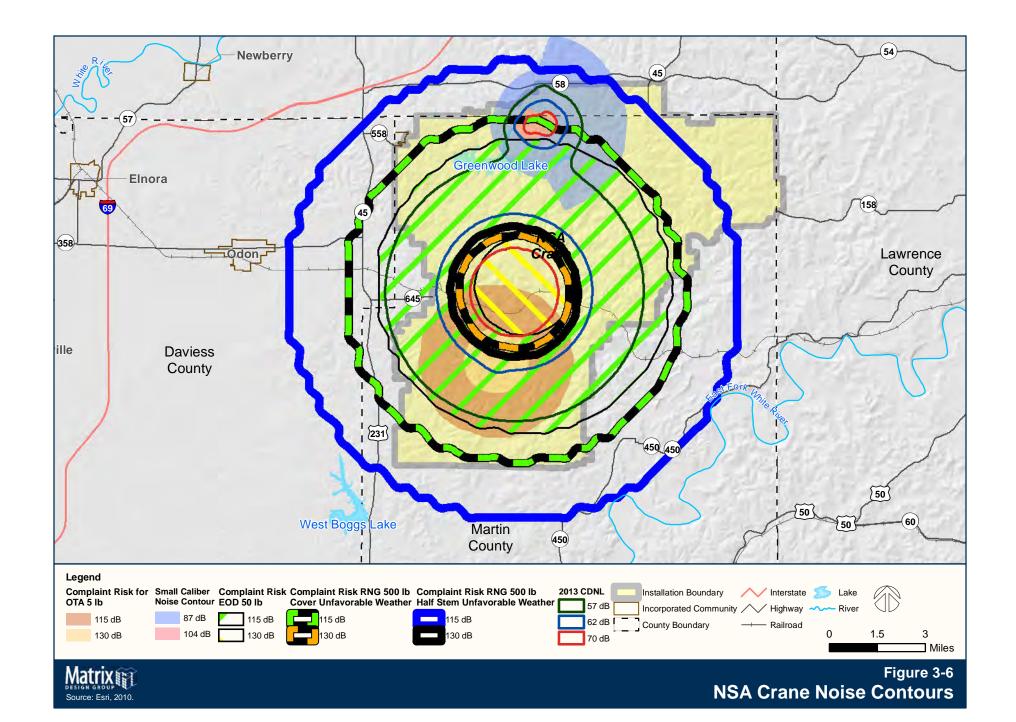
Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

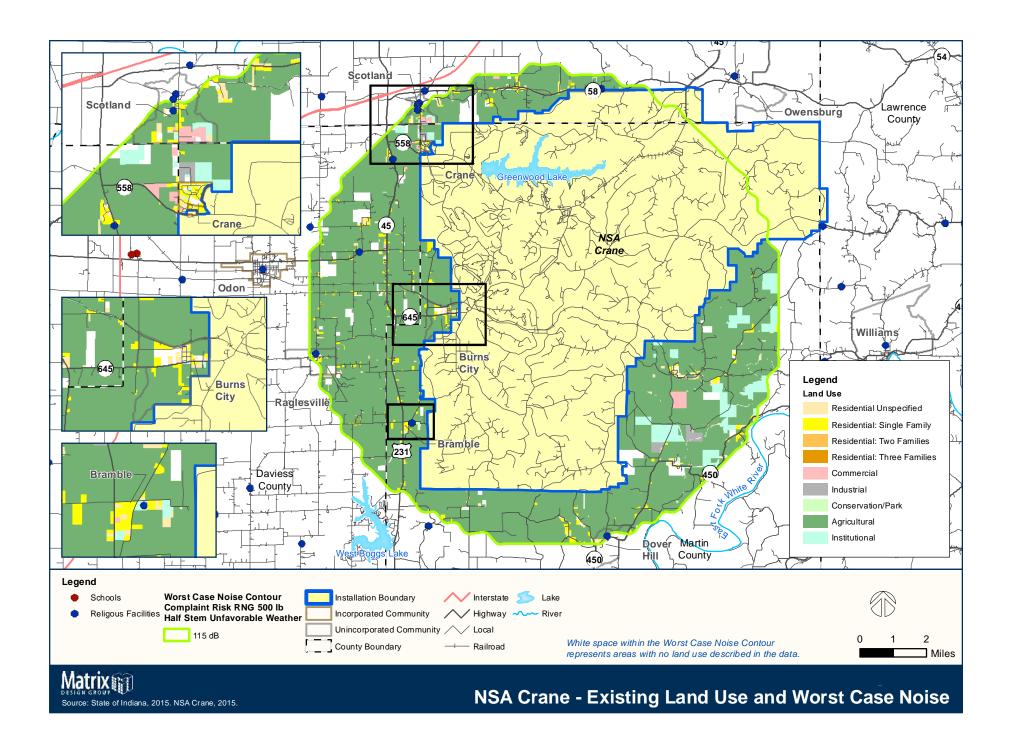
appreciate the information of	ind the chance to help prioritise
issues. We live nistou	tseletre noise boundary hear
lots of booms.	

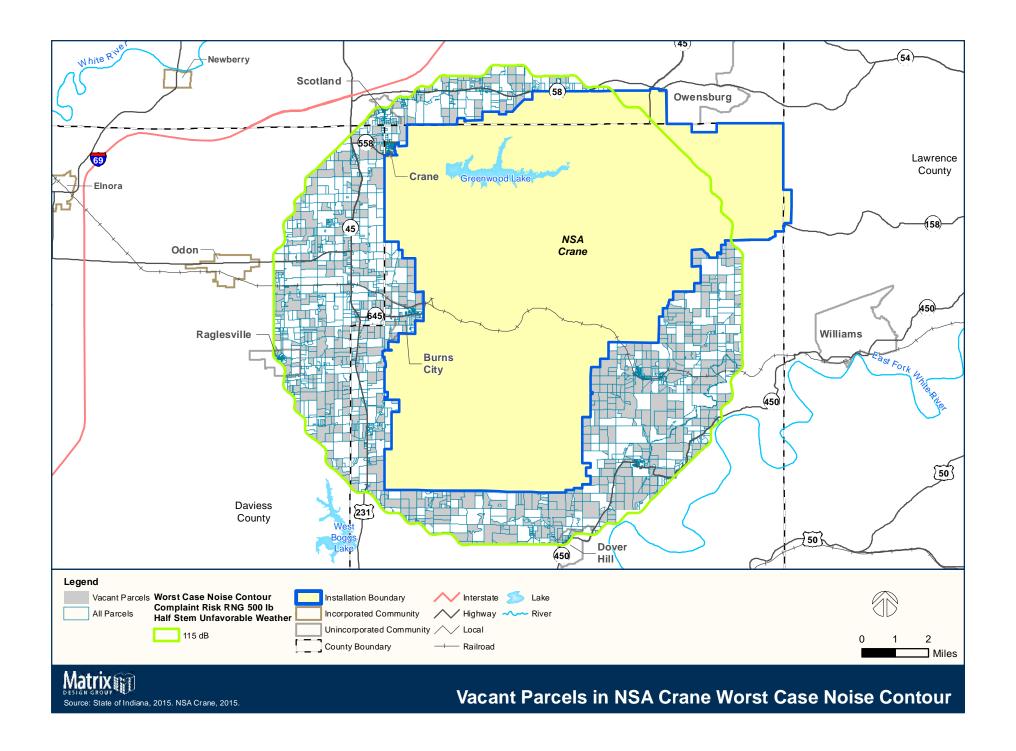


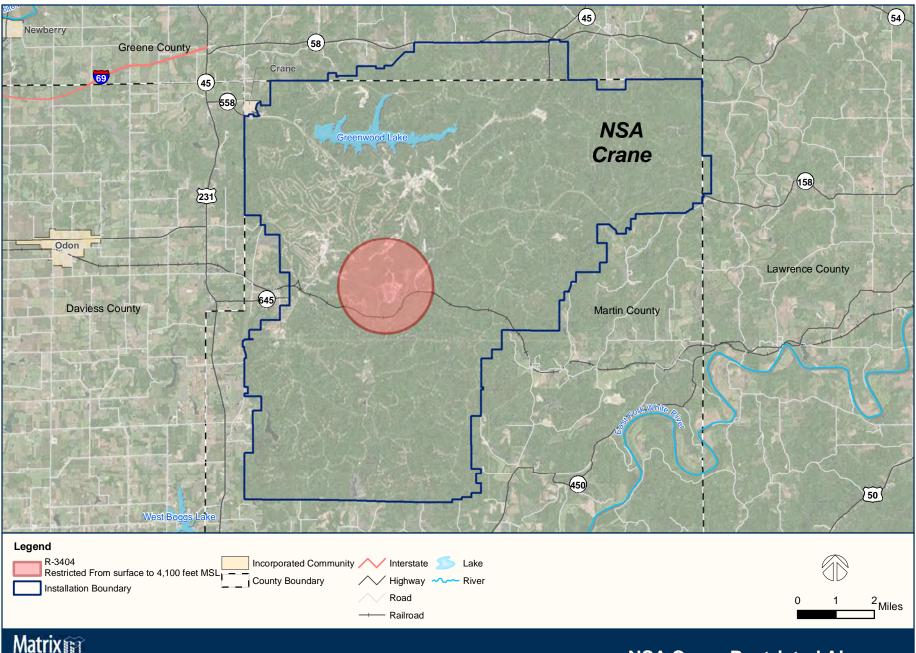












Matrix Source: Esri, 2010.



PUBLIC MEETING SIGN-IN SHEET

DATE/TIME: February 23, 2016 / 7:00pm

GROUP: Public Forum # 2

LOCATION: Sullivan Middle School - Sullivan Canty

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Beter Crackfield	Sullivan	812-230-8748	₹
Ronald Crickfull	Sulleyen	812-230-874	8
Mark Cop	Sull was	812-201-5825	
Julis Guland	SULLIVAN	812-268-9171	
Brian K. Eyer hant	Sn 1/ivan	812-249-0705	
pech seasbrook	Sollivan	812-236-3331	
Bob HAgenzier	Syll	8122430691	
Both atterson	Sullivan	317 413 4252	
David L. Unger	Sullivan	8Q-240-6901 U	Ingerworks@gmail.com
Mug Hollig Swoth	Sullwan	B12-850-3170	



PUBLIC MEETING SIGN-IN SHEET

DATE/TIME: February 23, 2016 / 7=00pm

GROUP: Public Forum #2

LOCATION: Sullivan Middle School - Sullivan County

Name /Title	Community	TELEPHONE #	E-MAIL
BJ NOWACKI	Property Owner Tuskip	(317)	elizabeth nowacki@yahoo.com
Lim NowACKI	PROPERTY OWNER TWILIP	(812)	elizabeth nowacki@yahoo.com
Conic Bones	Frogerts Charer	847-9757	
Du Deckard	Raperty Owner Haddan		
Sherry Hapier	Proporty Owner Turman	812- 382-4146	
Wayne JACKSPM	Property owner Hamilton Tunsh	010	
Rick Chastain	Property owner	812-564-0625	
Lisa Chastain	Property owner	812-564-0748	
StevemAntindALe	CITY COUNCILMAN	812-236-1143	
Dale & Betty Phillips	Sullevon	912-268-6022	DPHILLIPS@ CUSTOM, NET

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Jony Figg	Sullivan	(872) 236-9262	
Robert Dickerson	Sullivai	812-564-0592	RLDGLD @ MSN. com
Larry Ordner		312-455 5521	Larry Ordner @mail-house . 5.1
Betty Dunford	Sullivan	812-249-9437	
Dave + Heather Fidler	Sullivan	812-249-8015	
Ame FollowEll	Sellin-	on-Sol-1584	followslung @ Joink. am
Eni Hak	Ligo-Sullium	812-249-6541	cabbage 1967 Qaol. Com
Lett Locches	Sulliva	812-243-4276	
Manuel Robinson	Sullivan	270-632-9540	
Inny tun	Sculumy	812-2491-0517	
White Hann	Sullivan	812-564-2300	
Marty Slann	c (812-382-4617	
Cheesto Kennamar	Sullivan	812-249-3245	cjkinnel@yakoo.com
Hon Ronk	Sullivan	812 648 3211	

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Jarry and Pat Frient	Juliwan	812-397-5 9 38	
GARY NAPIE	SULLIVAN	812-249-2083	
TIMOTHY ABRAMI	FAIRBANCS	812 249-7324	
Jerry Bookmen	Scalaran	812-648-2295	
B.11 / Do Nun Cox	Sull. Und	812-268-4592	
Rusty DECKARD	Syllinga	812243-4541	rustz Leckard Chotmail-com
Michael Hamon	Sullivan		Mike, harmon 77 @amail, wm
Jemmahan	Hymna	612-397-6369	O Company of the comp
John Everhart	Hymera	812-383-4233	
Mary Dlock	Sullivan	812-629-4209	block.mj6ø@gmail.com
Clara Woosley			
19 m/ills	SHELBURN		
Brent Voigtschild	Bedford, IN	812854-3667	
Rolin WILKES	Sullivan, In	812-243-1334	rwflowerszorz@gmail.com

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Carla Johnson	Meron, In	812-356-404	9
Bruce Morheme	Sullivan	812-397-5156	
Brace Walkup	Sollwan	812-268-0500	
DON HATFIELD	SULLIVAN		
Davelatters	Sulliva	801-682-6725	dave pattersan ares com
Jom Iseu	1 "	812.268-3551	
James J. Fluser	Sullivan	812-240-3273	
David Willis	Sullivan	812-239-1564	
mih Wandel	Sellovan		
Tim Leonard	NSWC CRANE	812 796-1980	
Ron Shake	Sullivan Co. Comm. Hospital	812 268-4311	ron. Shake @ schosp. com
DUFANE WAMPLEX	SULLIVAN CONTY LO	inciz	·
Mike Dugan	Sulivar	812-268-5266	
BRIAN, CARA PHEGLEY	SULLIVAN	812-268-4747	

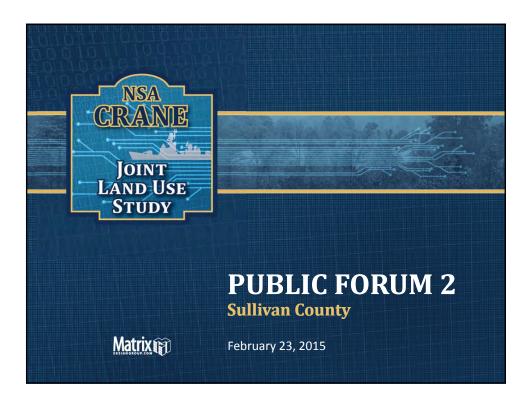
Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Weswilkes	Sullivando	812-564-1202	
Panew. Wilkey	Sullivan In	812 249 592/	
Darin Sisil	Sullivan IN	812-564-0008	
John Fllington	Sullivan In	812-564-0475	
Jill amy	OCRA	317-450-5078	journy @ ocra.ingov
Blaine R Bolyard	Sullivan, Ja		
Luther Geltner	Seelling on	812-268-5777	
BriAN FRebeccA Dollerson	Sucress In	812-249 6164	

	E-MAIL	TELEPHONE #	Community	NAME /TITLE
		699.3036	Dugger	LISA Strahle
		648-2513	Dugger	Strakle Strakle
		648-2513 268-6493	Selliva	Denig Bolo
ing.com	alex. jackson e stimulus engineering		Sullivan	Alex Jackson

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
E.B. Rawles	Indiana Farm Bureau	812-890-2182	erawles @ infb. org
Sandy Wilson		812-268-5534	
Dannis Welson		812-268-5534	
Jennifera Jarrod Lett		812-564-1233	
Robert Davis	Sullwan County Commissioner	812-264-9313	
Travis McKinney		812-564-0444	merforms a frontier, com
Ros Walker	Sullivan County Alo Port Manager	812-268-6959	siviair sort & gmail icom
En J Manay	Airport Poard	812 564 0896	
COR SEAN DALTON	MA CLW	812295-8229	
gret Judi Hale		812-268-3009	
Ken Bush		812 268 6618	
COR TIM CRADbock	NSA CRANE	812-854-8989	



NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Alyssa Arnett	Sullivan	6B-887-9333	alyssaarne# \$913@yehoo.com
TERRI MAHURIN	SULLIVAN	812-564-8043	tmahurin 22@yakos. com
KATH E. WATSON	SULLIVAN	812-564-096I	KJEVATSON CHRONTIER, Com
Kenny Forbes	Sullivan	812-249-5009	KHKeforbes@yahoo.com
Tina Forbes	Sullivan	812-239-9483	
DON Dubree	Sulliv AN	812-28-9170	
Panels S Kirschner	Carliste	4/10	Kirschner OI & Frontier

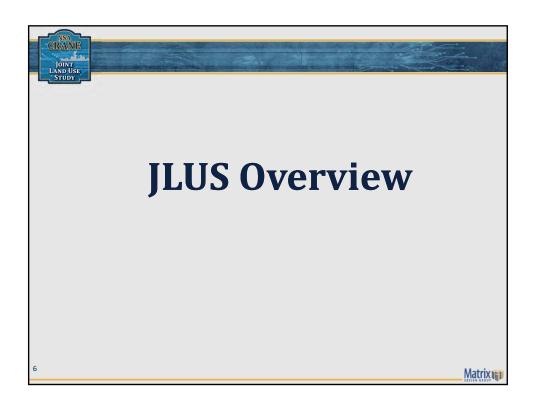


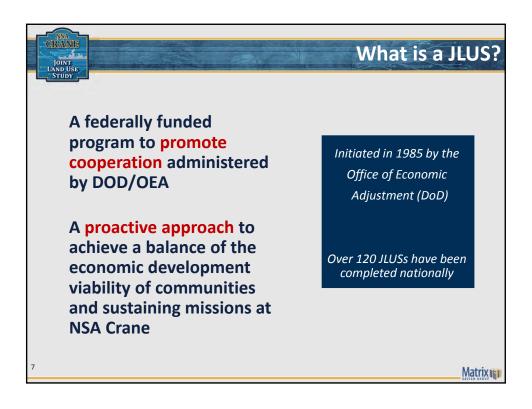
















JLUS Facts

A JLUS is NOT:

- a regulatory document
- an enforceable action

<u>A JLUS is</u> a body of information for decision makers of all levels to assist in making informed decisions

<u>A JLUS requires</u> follow-on support by all stakeholders, including the public, to implement the recommendations

Matrix

CRANE JOINT LAND USE

JLUS Objectives

Community

- Protect the health, safety, and welfare of residents / maintain quality of life
- Manage development in the vicinity of military installations that would interfere with the continued operations of these facilities
- Protect opportunities for new growth in an economically, environmentally, and socially sustainable manner
- Maintain the economic vitality of the community / region

Military

- Protect the health, safety, and welfare of the military and civilian personnel living and working at or near the military installation
- Ensure the ability of the installation to achieve its mission, maintain military readiness, and support national defense objectives

Matrix

10



JLUS Approach

Goal is to link to geographic areas to the issues

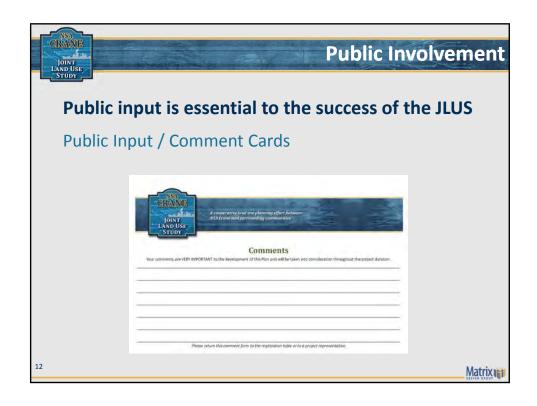
- Identify areas by specific compatibility issues and concerns
- Narrow focus to areas where the issues exist
- Minimize areas that require controls or policies
- Link solution types and tools to specific areas

Develop an implementation strategy for preventing and mitigating encroachment:

- Recommendations will involve local jurisdictions, state and federal agencies, private organizations, and the military
- Tie recommendations to specific military areas of concern

11

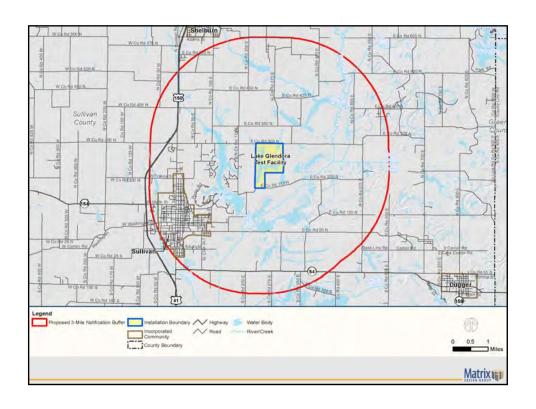
Matrix

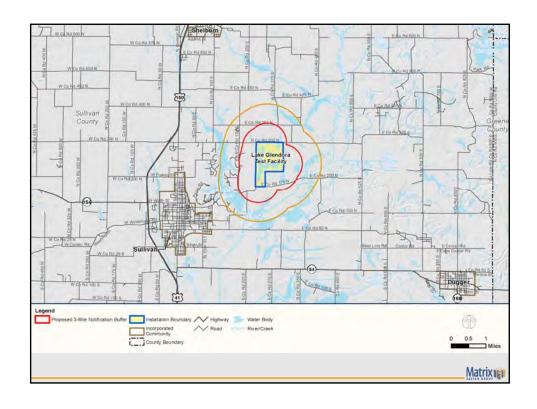




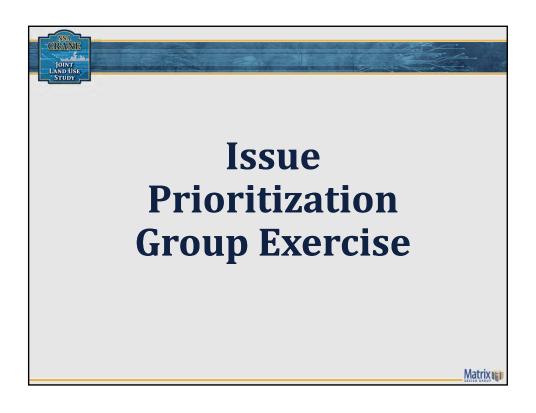






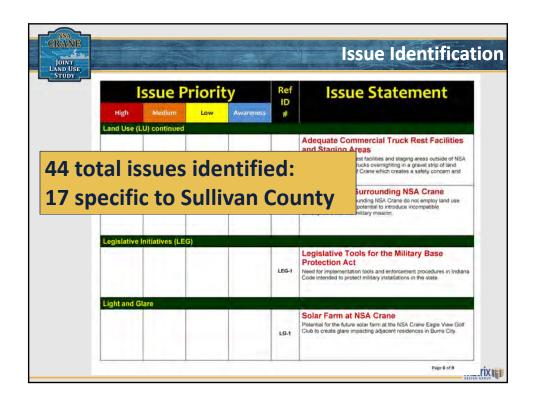


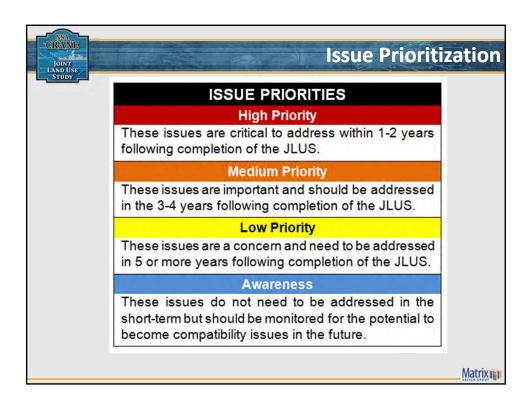


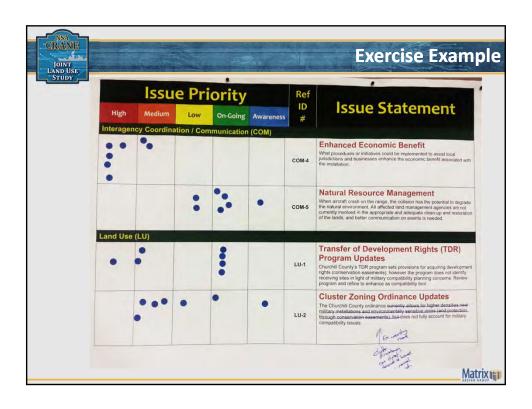


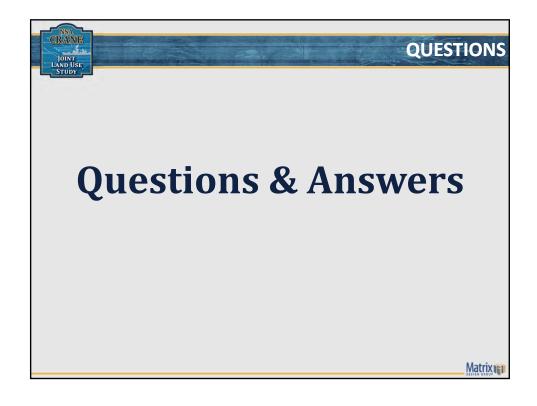


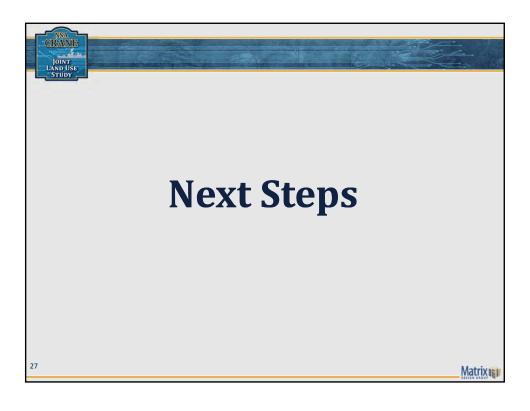




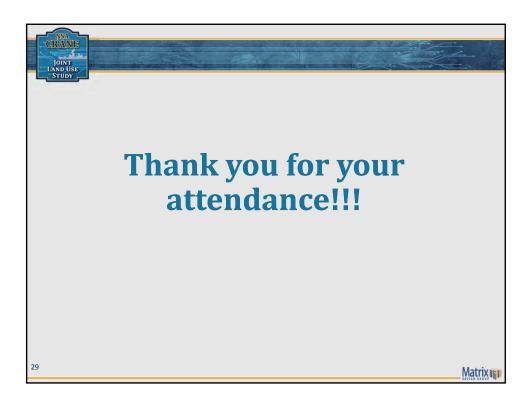
















A cooperative land use planning effort between NSA Crane and surrounding communities

Compatibility Issues for Prioritization

The following pages contain a list of the preliminary compatibility issues identified to date. The issues listed are a work in progress that will be further refined and developed as additional input is obtained and the project progresses. This list was developed based on Policy Committee and Technical Working Group inputs, stakeholder interviews, Public Forum #1, and input from Matrix staff. Each issue is categorized by Compatibility Factor (the list below identifies the 25 compatibility factors initially presented for issue identification). Please assign a priority based on the implementation timeframe described below. Input received will be used to assist in the development of compatibility recommendations and strategies to address each issue.

AQ /	air Quality	LAS	Land / Air / Sea Spaces
ALC: UNKNOWN	inti-Terrorism / Force Protection	LU	Land Use
	Biological Resources	LEG	Legislative Initiatives
	limate Adaptation	LG	Light and Glare
	oordination / Communication	MAR	Marine Environments
	ultural Resources	NOI	Noise
		PT	Public Trespassing
No. of Concession, Name of Street, or other Designation, Name of Stree	Oust / Smoke / Steam	RC	Roadway Capacity
	nergy Development	SA	Safety Zones
SC	requency Spectrum Capacity	SNR	Scarce Natural Resources
	requency Spectrum Impedance /	VO	Vertical Obstructions
	nterference	VO	Vibration
A	lousing Availability	V	THE REAL PROPERTY.
IE I	nfrastructure Extensions	WQQ	Water Quality / Quantity

ISSUE PRIORITIES

High Priority

These issues are critical to address within 1-2 years following completion of the JLUS.

Medium Priority

These issues are important and should be addressed in the 3-4 years following completion of the JLUS.

Low Priority

These issues are a concern and need to be addressed in 5 or more years following completion of the JLUS.

Awareness

No issues were addressed for these factors; however, the potential for compatibility issues to arise in the future should be monitored.

Issue Priority Ref **Issue Statement** ID High Medium Low **Awareness** # Anti-Terrorism / Force Protection (AT) Line-of-Sight at Lake Glendora Testing Facility Higher terrain elevations outside the Lake Glendora Test Facility have potential for outside observation of operations creating a security concern. AT-1 Controlled Perimeter at Lake Glendora Test **Facility** The controlled perimeter at the Lake Glendora Test Facility is on the property line at points along the southern and eastern boundaries creating a line-of-sight security concern. AT-3

1	Issue Priority		Ref	Issue Statement	
High	Medium	Low	Awareness	ID #	
Coordinatio	n / Communica	tion (COM)			
				COM-1	Public Awareness and Knowledge of Lake Glendora Test Facility Need for increased public education of Lake Glendora Test Facility amongst the local community.
		••		COM-2	Contact and Coordination between Lake Glendora Test Facility and Surrounding Jurisdictions Need for enhanced and formal communication between surrounding jurisdictions and Lake Glendora Test Facility personnel / leadership.

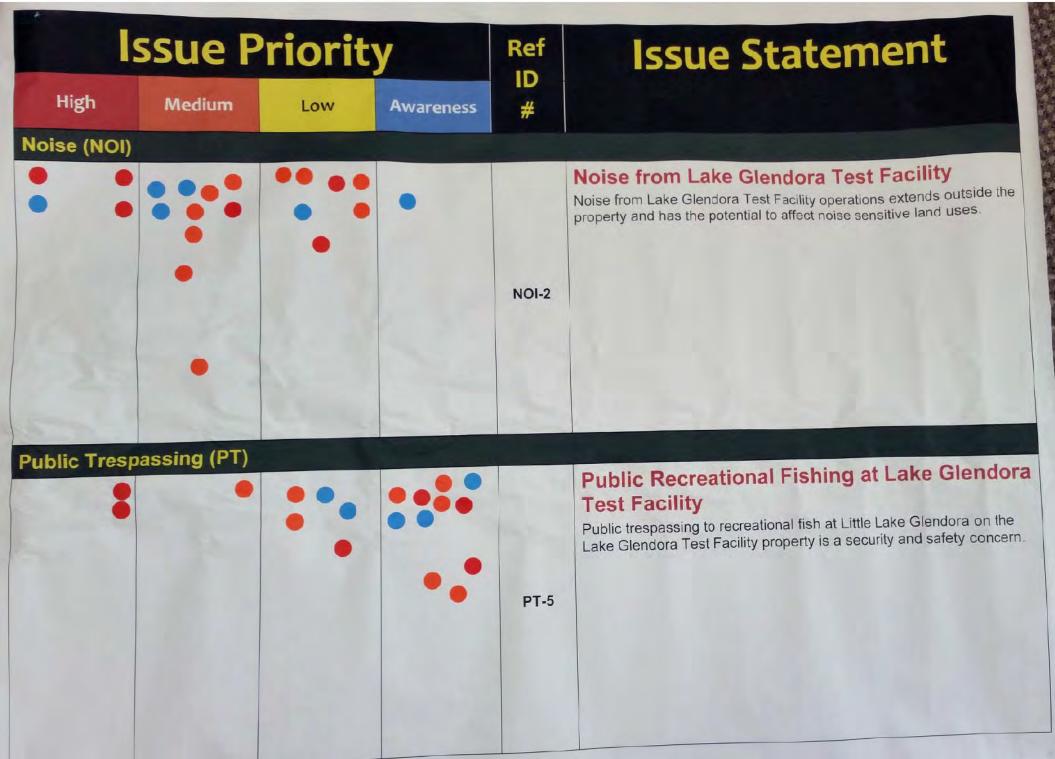
Issue Priority Ref **Issue Statement** ID High Medium Low **Awareness** Coordination / Communication (COM) **Local Jurisdiction Planning Resources** Need for improved awareness of local jurisdiction planning department structure, resources, and knowledge to facilitate coordination and communication from Lake Glendora Test Facility. COM-3 Lake Glendora Test Facility Public Outreach Need for Lake Glendora Test Facility public outreach with surrounding jurisdictions. COM-5

I	ssue P	riorit	V	Ref	Issue Statement	
High	Medium	Low	Awareness	ID #	Issue statement	
Coordinatio	on / Communica	ation (COM) continued	10-00		
				COM-7	Coordinated Noise Complaint Process Concern that not all noise complaints generated by public and reported to jurisdiction authorities are conveyed to NSA Crane, creating a gap in the communication of complaints.	
				COM-8	Development Notification to Lake Glendora Test Facility Lack of coordination to notify NSA Crane of development within 3-mile radius around Lake Glendora Test Facility despite the state legislative mandate.	

Issue Priority Issue Statement Ref ID High Medium Low Awareness Frequency Spectrum Impedance / Interference (FSI) Frequency Interference on Wireless Devices Frequency interference issues have increased as wireless demands and technology use skyrockets. Residents near Lake Glendora Test Facility have experienced cellular signal loss. FSI-1 Land / Air/ Sea Spaces (LAS) Potential for Seaplane Base on Kayak Lake Near the Lake Glendora Test Facility Concern that the approval of private seaplane base on Kayak Lake located near Lake Glendora Test Facility could potentially interfere with the restricted airspace. LAS-1

Page 6 of 10

Issue Priority Issue Statement Ref ID High Medium Low **Awareness** # Land Use (LU) **Development Surrounding Lake Glendora Test Facility** Potential for incompatible land uses surrounding the Lake Glendora Test Facility or interference from incompatible uses with mission capabilities. LU-4 Legislative Initiatives (LEG) Legislative Tools for Indiana's Military Base **Protection Act** Need for implementation tools and enforcement procedures in Indiana Code intended to protect military installations in the state. LEG-1 Page 7 of 10



Issue Priority			y	Ref	Issue Statement
High	Medium	Low	Awareness	ID #	-3346 Statement
Safety Zone	es (SA)				
				SA-2	Methane Gas Wells and Mine Shafts located near Lake Glendora Test Facility There are various methane gas wells and underground mine shafts located near Lake Glendora Test Facility, including a pipeline that connects the gas wells which run along Sullivan County Road 300N. Location of several of these wells and mine shafts are unknown creating a concern for risk of explosion.
Safety Zon	es (SA) continu	ted		SA-3	Hazardous Materials Transportation Routes There are no designated Hazardous Materials Transportation Routes in association with daily shipments to NSA Crane. Because the same route is never used in sequence, many local roads are used for transport of hazardous materials.

Vibration (V)					
		• •			Vibration from Activities at the Lake Glendora Test Facility
					Concern that vibration from testing activities at the Lake Glendora Test Facility causes vibration outside the property. Vibration may also be misattributed to other regional sources such as CSX railroad traffic.
				V-2	
	•••				
		••••	•		





A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTAN	T to the development of this Pla	an and will be taken into	consideration throughout	the project duration
---------------------------------	----------------------------------	---------------------------	--------------------------	----------------------

The noise chart for LGTF are completely inaccurate.
The charts were not even provided to LGTF for
review. There is only a 1016 NEW for surface (noise
producing) charges. The 10016 NEW (surface) would never
be approved. The info is damaging.

Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

- Internet i	s sometimes	patchy
		I from Lake Glendora- My GPS in
tractor + ci	ombine quits	1100 1100
proase	contact ma	e directly. Thanks
	Please return this comment j	form to the registration table or to a project representative.



Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

De there a plan to expand the Chendora Lacility or charge what they do there I to create an incapatalility issue with Sullican or the purrounding area

Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Thank You for your Comments The Havancement for the Your comments are VERY IMPORTANT to the development of this Plannend will be taken into consideration throughout the project duration.

America is Manditory and deserves co-operation

Im highly Concerned about the vertical atmospheric impact of any explosions in the area that might affect airspace and regions a higher cielina in a temporary Flight Restriction area.

SIV airport was a left hand pattern on both wavery 18 and 36.

Devin engine aircraft and the larger planes that use SIV on Row 18.

Aced water from Flight Service when the TFR is in effect.

Bellivan Crusting Board of airlation formans some form to the registration table or to a project representative.

Six and its users need a motification system when the TFRIS in affect o Most flights in 4 out of SIV are Local, recreational and VFR.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

We	Lose	wirele	55 R	Ponter	Frenguenthy.	1
live	opproxi	nately	3/4 0	tamile	quaj	

Please return this comment form to the registration table or to a project representative.



Your comments are VERY IMP	Comments ORTANT to the development of this Plan and will be taken into consideration throughout the project durati
UM is 1	JOT A WORD!
Plea	se return this comment form to the registration table or to a project representative.
DOG A	
INSVAL	
CRANE	
CRANE	A cooperative land use planning effort between
JOINT	A cooperative land use planning effort between NSA Crane and surrounding communities
JOINT LAND USE	
JOINT	
JOINT LAND USE	
JOINT LAND USE	
JOINT LAND USE STUDY	NSA Crane and surrounding communities
JOINT LAND USE STUDY	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate
JOINT LAND USE STUDY Your comments are VERY IMP	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate
JOINT LAND USE STUDY Your comments are VERY IMP	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate
JOINT LAND USE STUDY Your comments are VERY IMP	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate GOT ASK QUESTION ABOUT HOW THIS A STARTER
JOINT LAND USE STUDY Your comments are VERY IMP	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate
JOINT LAND USE STUDY Your comments are VERY IMP	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate GOT ASK QUESTION ABOUT HOW THIS A STARTER
JOINT LAND USE STUDY Your comments are VERY IMP	NSA Grane and surrounding communities Comments PORTANT to the development of this Plan and will be taken into consideration throughout the project durate GOT ASK QUESTION ABOUT HOW THIS A STARTER

Please return this comment form to the registration table or to a project representative.



Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

- ELECTRICAL PUR FLUCTURATION EVENING LIVE ON HEADY LANG - DISH TV 5 CELL PHUNE - MONTH INY F.

Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

| WIFI) TWANTERING
| DIGITAL TU |
| WIN LAST 8 mo & PARTICULARY
| WIN LAST 2 mo

(0 8) 175 / 380 TO CO 450 & 175 E



Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

What is the noise Db from your testing?
Do you have any seignoaraphs for vibration readings?
If so what are they for the past 3 years?
Are you buying any land within I mile of Lake
Glendora Test Fae? Kights, Internet, and TV problems
Foundation problems and
NO KNOWLEDGE OF Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between

NSA Crane and surrounding communities

Would like to speak about cell phone + WIFI reception.

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

If any compatability issues arise between NSA Crane and adjoining landowners that affect "the mission" how will this be handled if the compatability issue is associated with the landowner. If the compatability issue addressed would result in restriction to land use show will landowner be compensated for loss of land use?

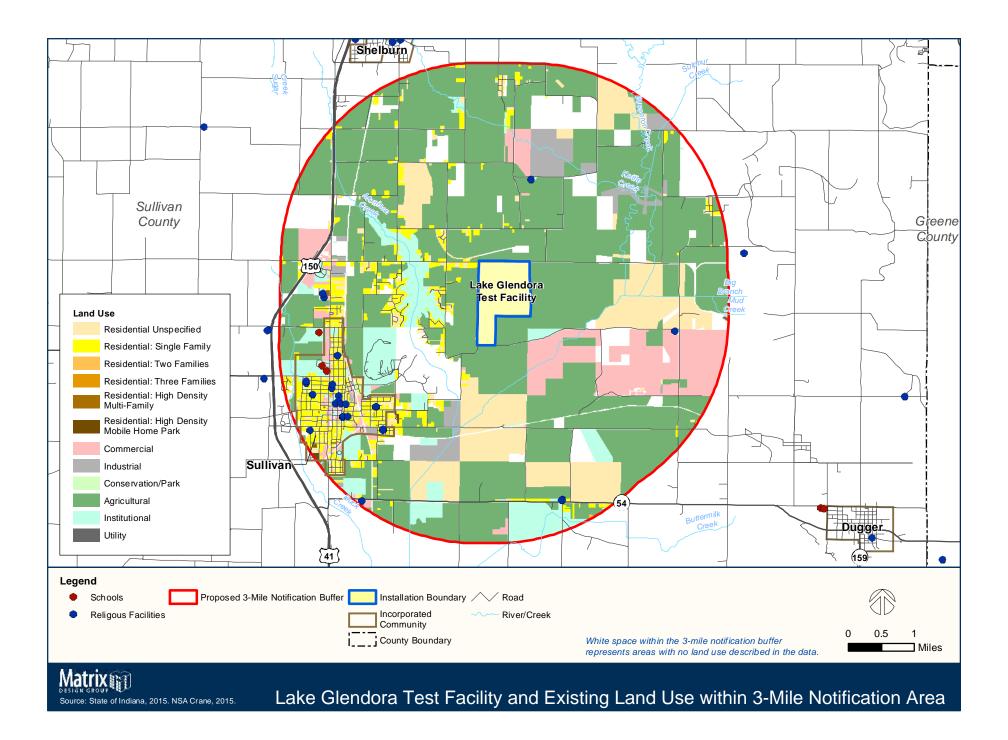


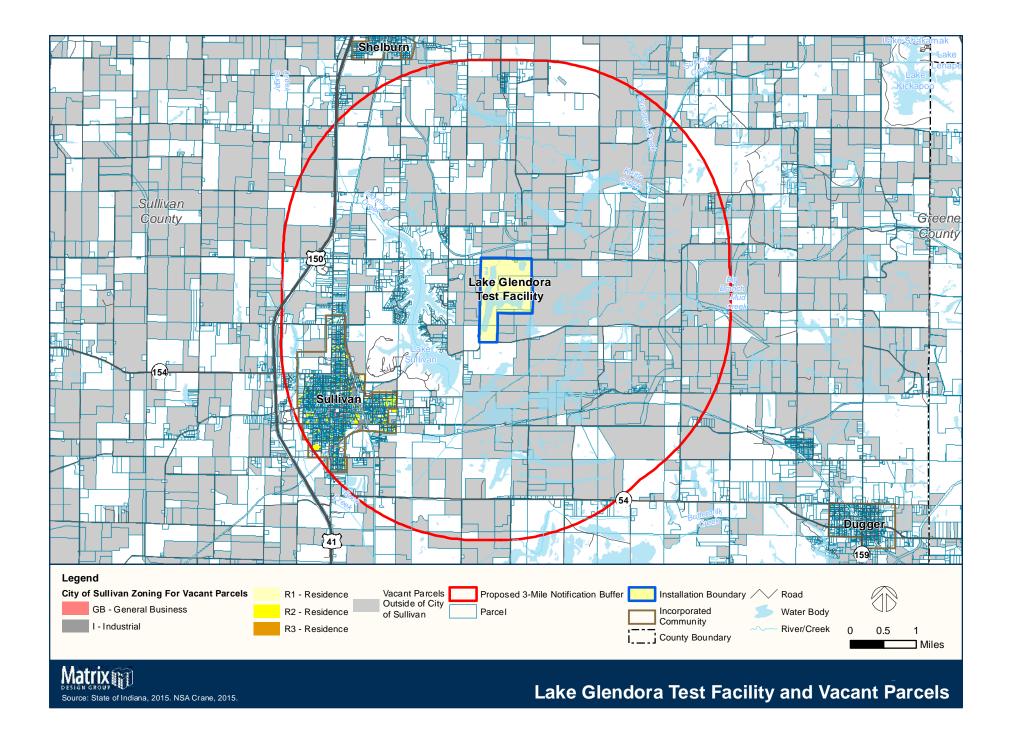
Comments

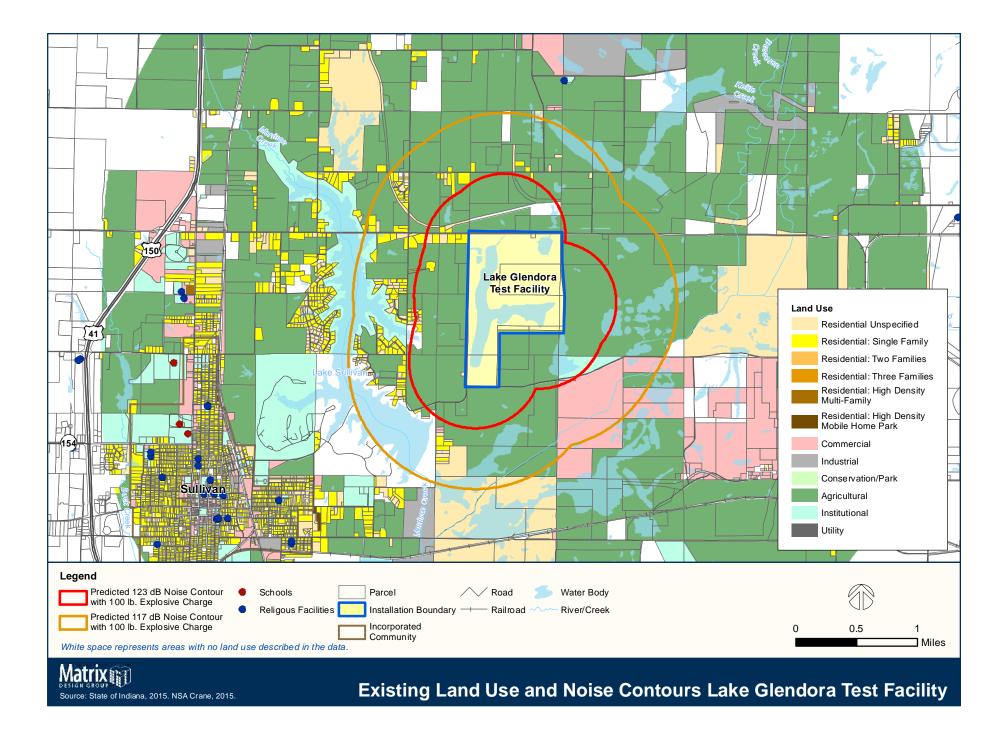
Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

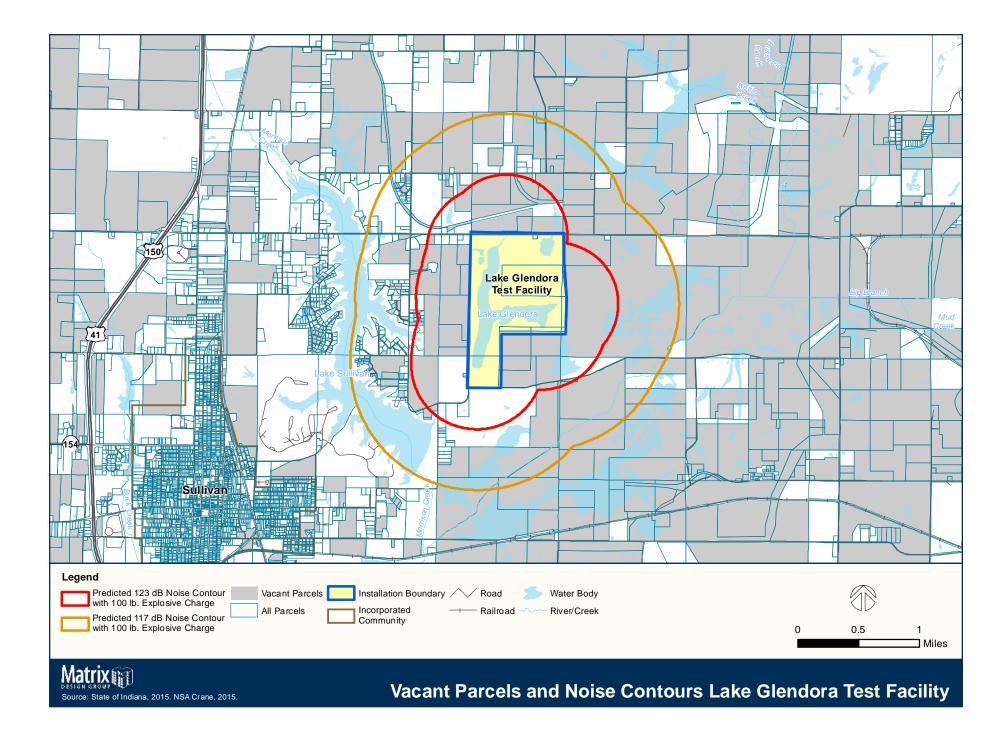
The issues of internet, cell phone	AND All GREqueNRY Spectrum
Issues are NOT Being Ansered. Will	YOU INTERUPT GPS, 900 MZ
AND 2.4 spectrums? With NO ZONII	my in effect, how does
CONSTRUCTION OCCUR?	The state of the s
How will we be nonfied	
When things will happen?	
Please return this comment form to the registration table or	to a project representative.

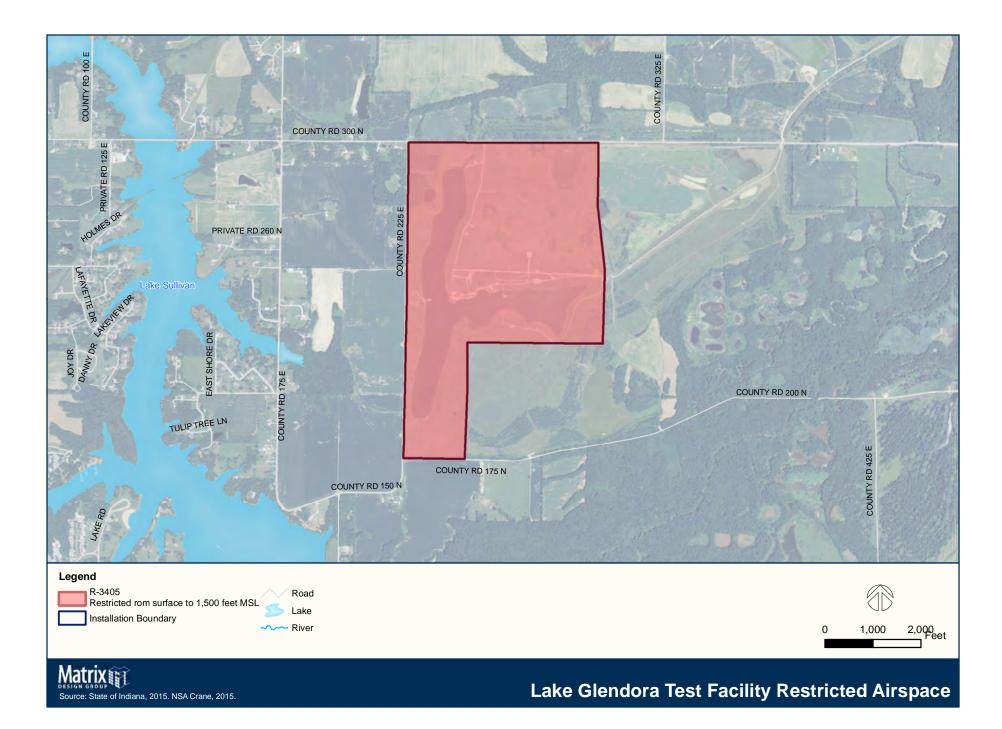














PUBLIC MEETING SIGN-IN SHEET

DATE/TIME: February 24, 2016 / 6:00pm

GROUP: Public Forum #2

LOCATION: Lawrence County

NAME /TITLE	COMMUNITY	TELEPHONE#	E-MAIL
Reyn G. Feth	Bryantsville	877-583-565	Rgriffill 16 e quel
Greg Edwards	BRYANTSVILLE	812.298-6142	gregedwards 2463@ gmail.com
Rom fralmare	MITCHELL	512-849-43	72
JUSTIN MATHEWS	Besford	812-583-5059	jastin Mathews 812 agunile com
LARRY WILL	BEDFORD	812-275-7475	LARREDNO & COMCAST. NET
Mike Chaneas	Bedford Hoose Forst	812 775 6378	n Auces OFg. Fal. 45
Bub Bidge	,	812-276 9646	
Gene MCCRACKEN	Bedfores (LAW. Co.)	9/2-583-5189	genek mccrackene jmail.com
Marla Jones	Mitchell & Bedfor		marlahortonjones@gmail, com
Robin Branch	Bloomington Th		rbranch@vinu.eda

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Bret Carmichael	Springuille	812 - 275 - 0867	brets rancha live, com
Bret Carmichael Donald Peters	Springville Springville	812-275-7955	
	/ /		



PUBLIC MEETING SIGN-IN SHEET

DATE/TIME: February 24, 2016 / 6-00pm

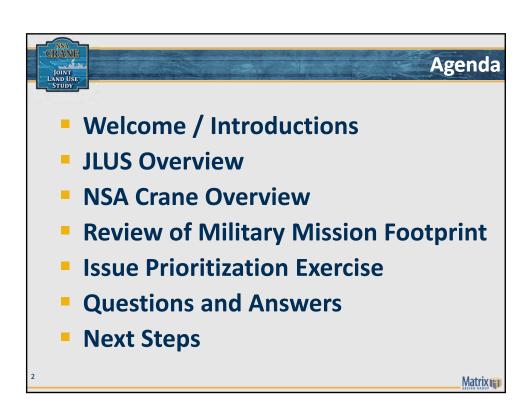
GROUP: Public Forum #2

LOCATION: Lawrence County

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Bob Clire	He Howille	812583-7606	robent, russelli cline 2 gmail,
CARRY & JAMIE CRAIG Champett	LAW. Co	812.797.5050	JAMIS. Chen Ault & courant, MEA
Alan Ham. It-n	Coxton	8122786125	AKH@Homilton Systems. US
TED JOHNSON	SPRINGVILLE		trjohnson Ø11@yahoo.com
JOHN EDWARDS	MITCHACE	388-7327	
CORTIM CRADDOCK	NSA-CRANE	812-854-8989	
nola gear Predemore		812849-437	2
TRUDIE Dillman	Mitchell	812-583-1385	td: Ilman @dwd. In. gov
COR SEAN DALTON	NSA CRANE		
Bill Spren	L purense to		

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Donald Robertson Steve Andrews	LAWRENCE Co.	812-275-5719	anldrob@ Aoc. com
Steve Andrews	Lawrence Co.	812-279-9300	Sjanma @ jmil.com

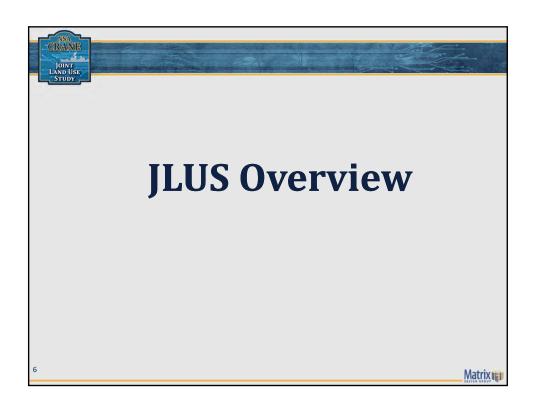


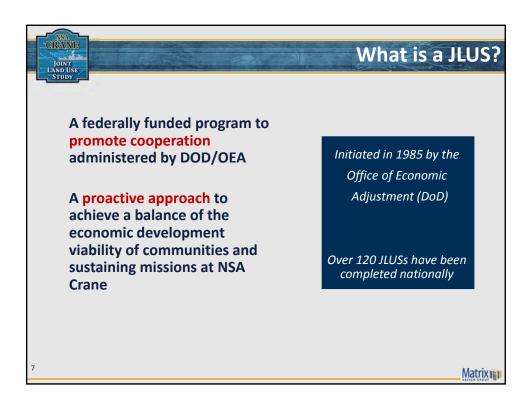
















JLUS Facts

A JLUS is NOT:

- a regulatory document
- an enforceable action

A JLUS is a body of information for decision makers of all levels to assist in making informed decisions

A JLUS requires follow-on support by all stakeholders, including the public, to implement the recommendations

Matrix

JLUS Objectives

Community

- Protect the health, safety, and welfare of residents / maintain quality of life
- Manage development in the vicinity of military installations that would interfere with the continued operations of these facilities
- Protect opportunities for new growth in an economically, environmentally, and socially sustainable manner
- Maintain the economic vitality of the community / region

Military

- Protect the health, safety, and welfare of the military and civilian personnel living and working at or near the military
- Ensure the ability of the installation to achieve its mission, maintain military readiness, and support national defense objectives

5



JLUS Approach

Goal is to link to geographic areas to the issues

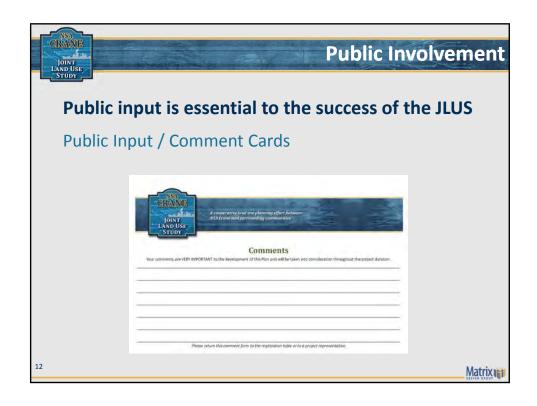
- Identify areas by specific compatibility issues and concerns
- Narrow focus to areas where the issues exist
- Minimize areas that require controls or policies
- Link solution types and tools to specific areas

Develop an implementation strategy for preventing and mitigating encroachment:

- Recommendations will involve local jurisdictions, state and federal agencies, private organizations, and the military
- Tie recommendations to specific military areas of concern

11

Matrix

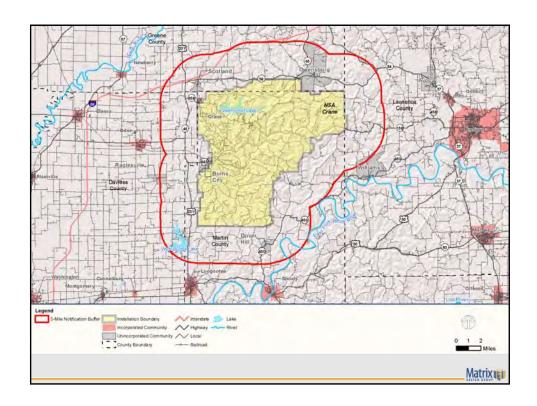


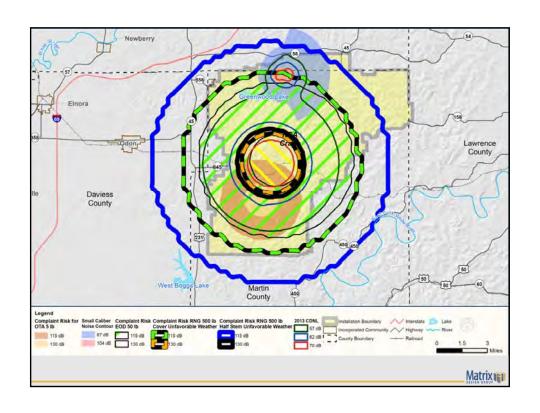


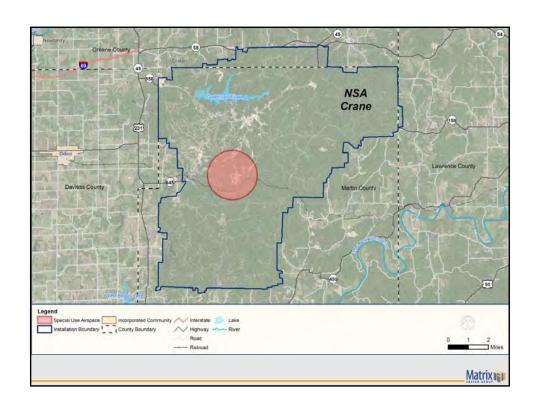


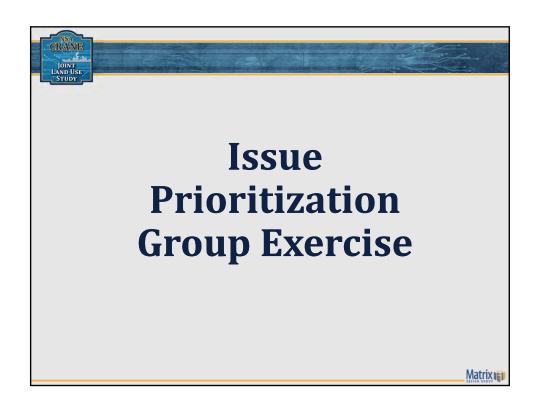




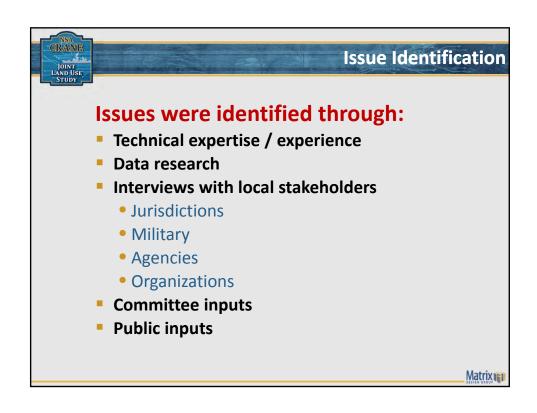


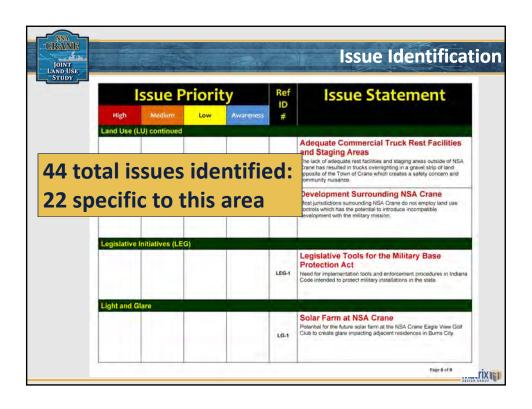


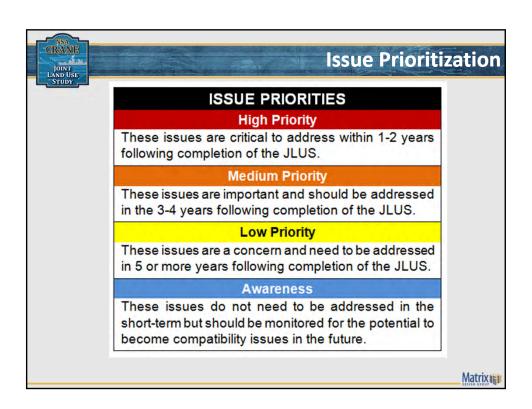


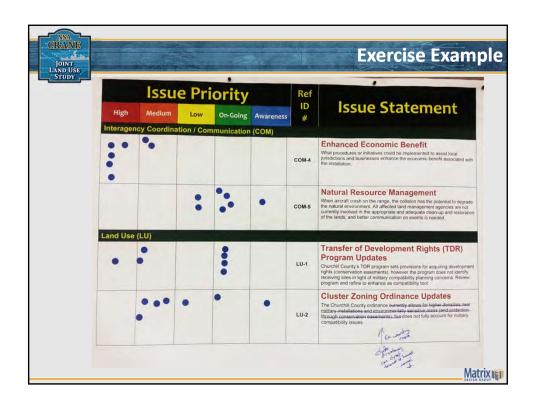




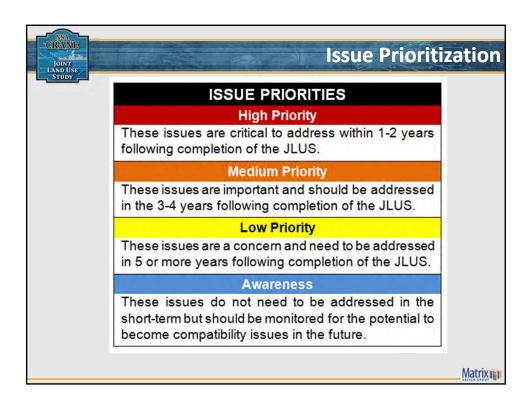


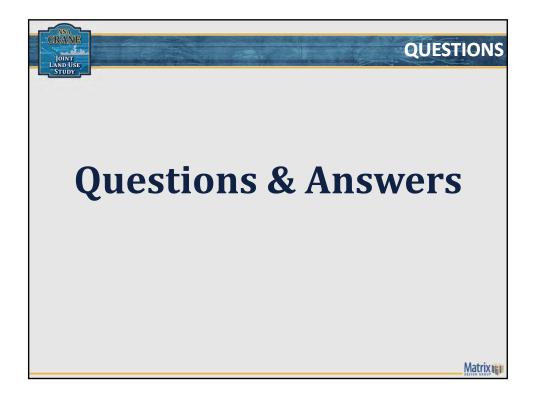


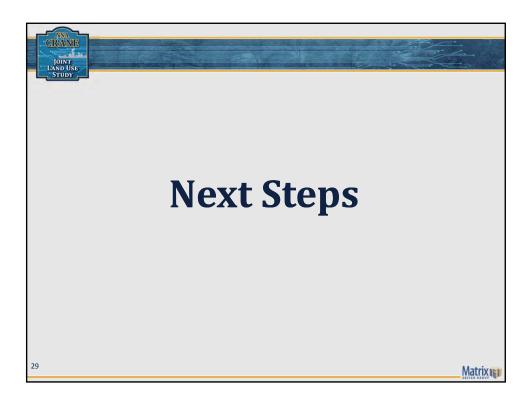




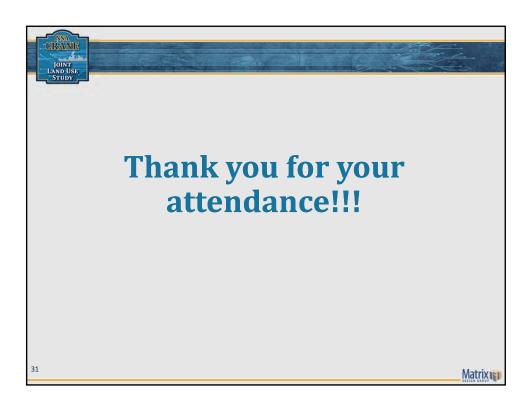
CRANIE JOINT LAND USE STUDY		Exercise
	OTHER ISSUES:	
	÷	
	DOENE_OTHERSEE_2044SEELANWINDO	action vivous















Compatibility Issues for Prioritization

The following pages contain a list of the preliminary compatibility issues identified to date. The issues listed are a work in progress that will be further refined and developed as additional input is obtained and the project progresses. This list was developed based on Policy Committee and Technical Working Group inputs, stakeholder interviews, Public Forum #1, and input from Matrix staff. Each issue is categorized by Compatibility Factor (the list below identifies the 25 compatibility factors initially presented for issue identification). Please assign a priority based on the implementation timeframe described below. Input received will be used to assist in the development of compatibility recommendations and strategies to address each issue.

AQ /	air Quality	LAS	Land / Air / Sea Spaces
ALC: UNKNOWN	inti-Terrorism / Force Protection	LU	Land Use
	Biological Resources	LEG	Legislative Initiatives
	limate Adaptation	LG	Light and Glare
	oordination / Communication	MAR	Marine Environments
	ultural Resources	NOI	Noise
		PT	Public Trespassing
The second	Oust / Smoke / Steam	RC	Roadway Capacity
	nergy Development	SA	Safety Zones
SC	requency Spectrum Capacity	SNR	Scarce Natural Resources
	requency Spectrum Impedance /	VO	Vertical Obstructions
	nterference	VO	Vibration
A	lousing Availability	V	THE REAL PROPERTY.
IE I	nfrastructure Extensions	WQQ	Water Quality / Quantity

ISSUE PRIORITIES

High Priority

These issues are critical to address within 1-2 years following completion of the JLUS.

Medium Priority

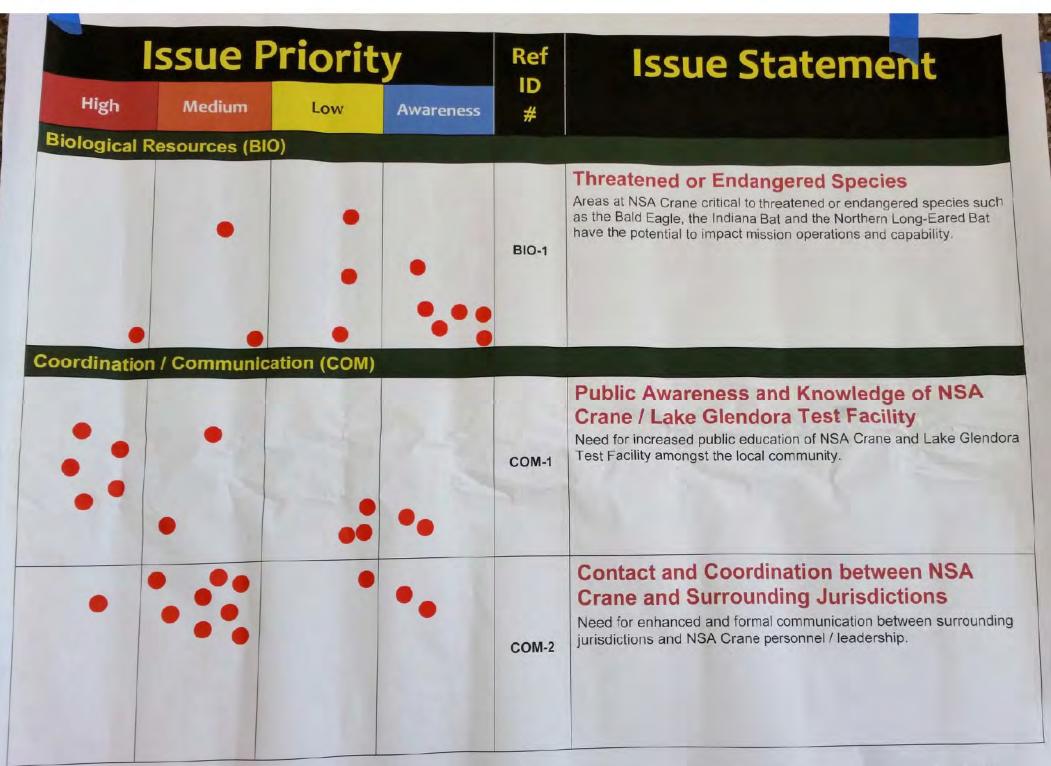
These issues are important and should be addressed in the 3-4 years following completion of the JLUS.

Low Priority

These issues are a concern and need to be addressed in 5 or more years following completion of the JLUS.

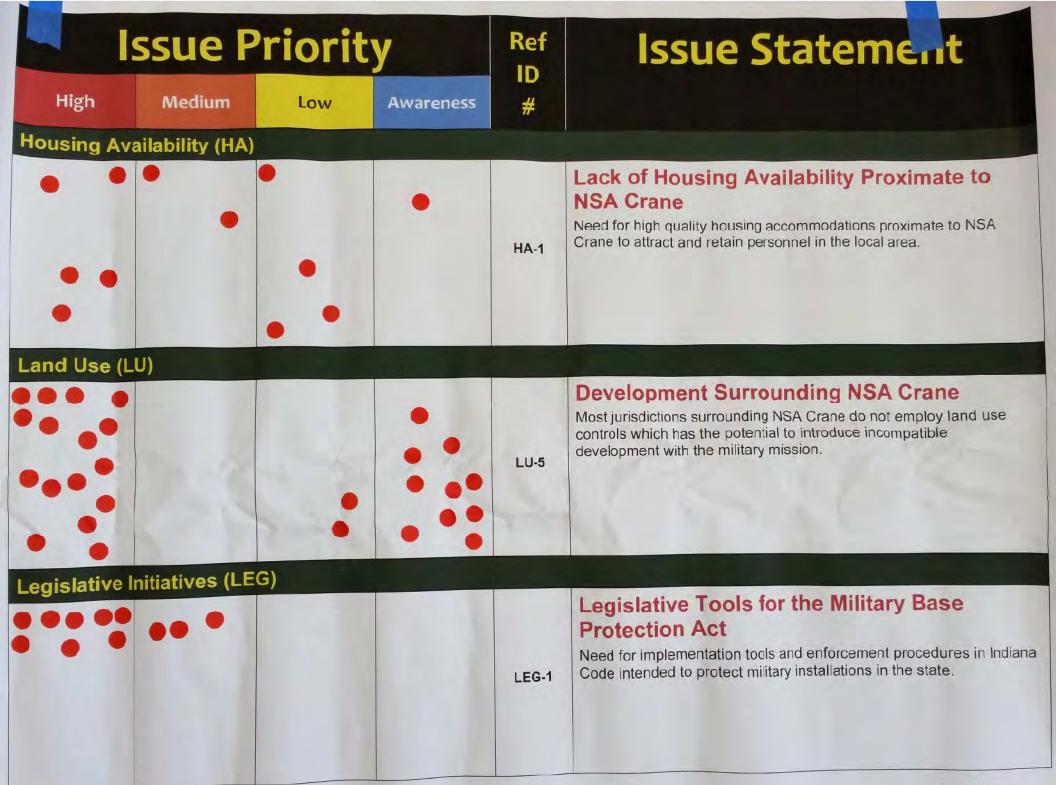
Awareness

No issues were addressed for these factors; however, the potential for compatibility issues to arise in the future should be monitored.



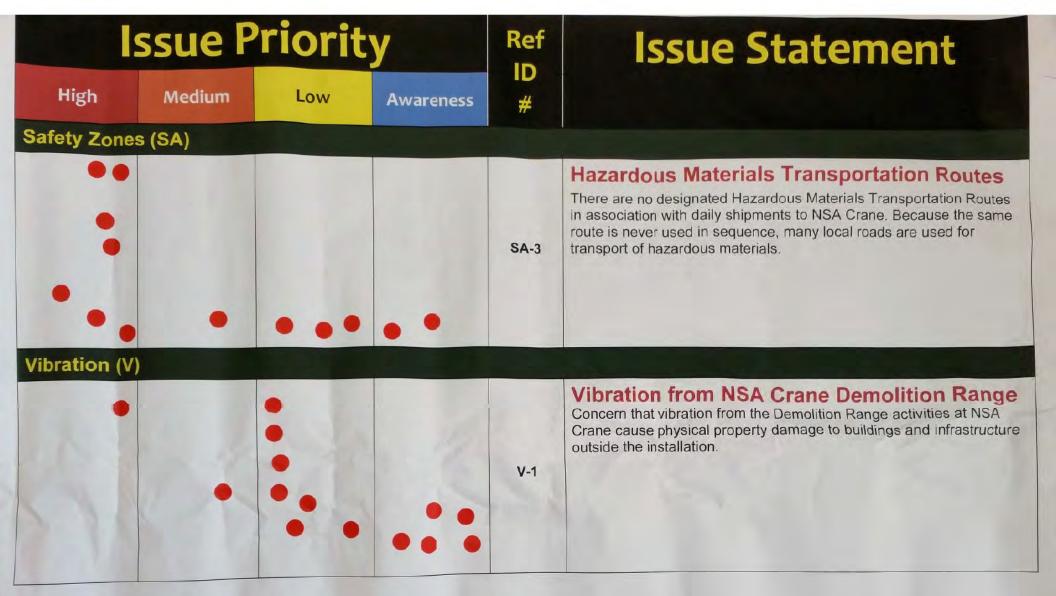
Issue Priority		Ref ID	Issue Statement		
High	Medium	Low	Awareness	#	
oordinatio	n / Communica	ation (COM) continued		
	•			COM-3	Local Jurisdiction Planning Resources Need for improved awareness of local jurisdiction planning department structure, resources, and knowledge to facilitate coordination and communication from NSA Crane.
•••				COM-4	Coordination of Public Safety Resources NSA Crane physical security forces are not authorized to assist jurisdictions with public safety and there is perception that NSA Crane does not want local law enforcement participation on the installation.
				COM-5	NSA Crane Public Outreach Need for NSA Crane public outreach with surrounding jurisdictions.
		• • •		COM-6	Public Notification of Range Activities There is a need for increased public notification of NSA Crane range activities to surrounding local jurisdictions.

Issue Priority			Ref	Issue Statement
Medium	Low	Awareness	#	
on / Communic	ation (COM)	continued		
			COM-7	Coordinated Noise Complaint Process Concern that not all noise complaints generated by public and reported to jurisdiction authorities are conveyed to NSA Crane, creating a gap in the communication of complaints.
			COM-8	Development Notification to NSA Crane Lack of coordination to notify NSA Crane of development within 3-mile radius around NSA Crane despite the state legislative mandate.
ke / Steam				
		•••	DSS-1	Dust from Demolition Area Detonations at the NSA Crane Demolition Range can generate fugitive dust impacts outside the installation.
			DSS-2	Smoke from Prescribed Burns Smoke from prescribed burns at NSA Crane can migrate outside the installation.
	Medium on / Communication	Medium Low on / Communication (COM)	Medium Low Awareness on / Communication (COM) continued	Medium Low Awareness In / Communication (COM) continued COM-7 COM-8 COM-8

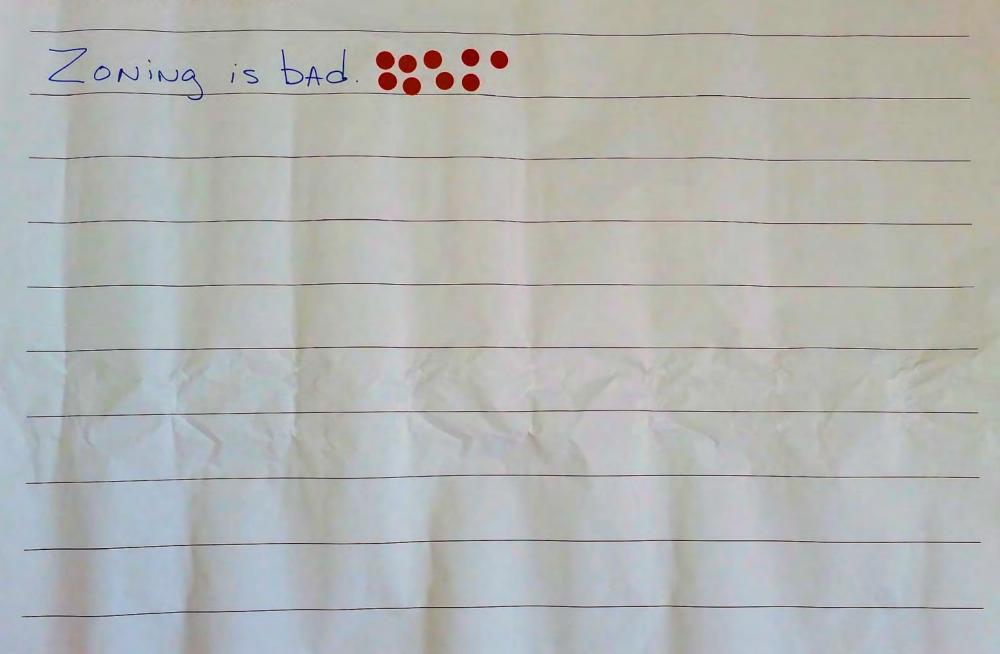


	sue Priority			
Medium	Low	Awareness	ID #	
			NOI-1	Noise from NSA Crane Ranges Noise from the NSA Crane Ranges extends off installation and has the potential to affect noise sensitive land uses.
•			NOI-3	Regional Ground Noise Sources There are other regional sources of noise which can be misattributed to activities at NSA Crane.
	•		NOI-4	Regional Aircraft Noise Sources The Indiana Air National Guard flyways in the airspace surrounding NSA Crane are sometimes mistakenly attributed to NSA Crane.
				NOI-1

	ssue P	riorit	ority Ref Issue Statement		Issue Statement
High	Medium	Low	Awareness	ID #	
Public Tres	passing (PT)				
				PT-1	Potential for Trespassing Related to Future Milwaukee Road Transportation Trailway Future Phase 4 of the Milwaukee Road Transportation Trailway will terminate at Indian Springs, Indiana adjacent to the eastern border of NSA Crane raising a concern for trespassing into the installation.
		• • •		PT-2	Cattle Migrations onto NSA Crane Cattle from adjacent farms have the potential to migrate on the installation. Area farmers who enter the property to retrieve their catt can become a safety risk.
	•	• •		PT-3	Padanaram Settlement Safety concern for Padanaram Settlement residents trespassing on the eastern side of NSA Crane.



OTHER ISSUES:





A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

I would like to see the whole county
with a land use plan so our county
could attract businesses to make products
for NSA Crane without destroying our underground
water (KARST APEAS) and have the businesses a
safe distance from current housing.
Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

If the General Assembly does not create a process to deal with compatibility issues, I would encourage and support county action to create regulate establish such a process.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

A conty-wi	di congerbone o glan is	overdue Bate	it & super + C	Porcl =
	openty values. Make			
Sypert 8.	asiness & infrastructure	that support	5 Clare El	increte
	le ladure potential			
Dovetail	Bedford, Mitalille and	Carrence (Consty Comple	hension flow
at crent				

Please return this comment form to the registration table or to a project representative.



A cooperative land use planning effort between NSA Crane and surrounding communities

Comments

Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

Citizens of Lawrence County appreciate	
the efforts of Comme and its	
employees in supporting the American Warfighter and our way of life.	
Warfighter and our way of life.	



JOINT LAND USE

STUDY

A cooperative land use planning effort between NSA Crane and surrounding communities

Comments Your comments are VERY IMPORTANT to the development of this Plan and will be taken into consideration throughout the project duration.

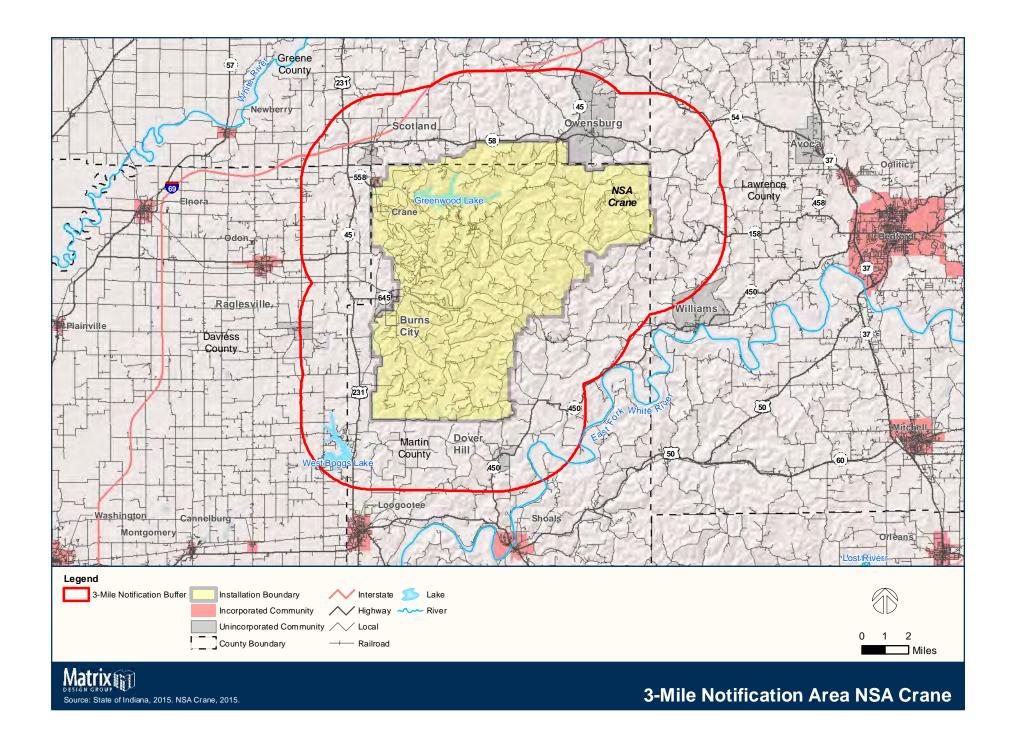
Please return this comment form to the registration table or to a project representative.			difference	11	in Crane	and
Please return this comment form to the registration table or to a project representative.	15 (0)	(ations	in urban	settings.		
Please return this comment form to the registration table or to a project representative.						
Please return this comment form to the registration table or to a project representative.						
		Please return	this comment form to the reg	nistration table or to a proje	ct representative.	
	NE	SA				
NSA -	CRY	ANNE		TO STAND	A CONTRACT	

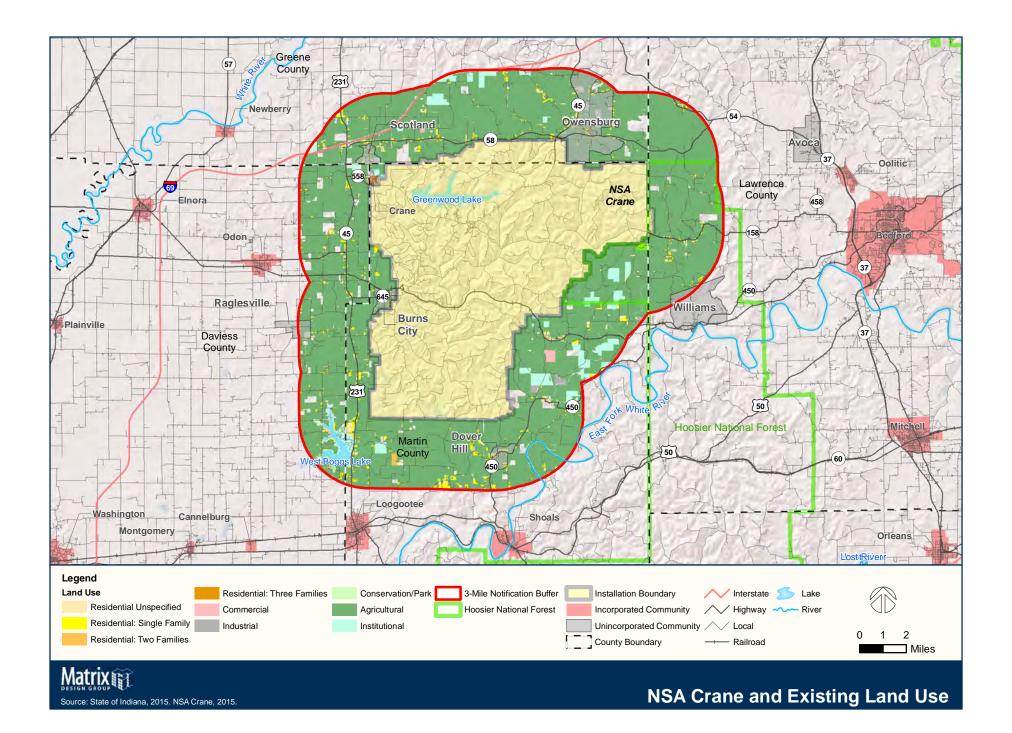
Comments

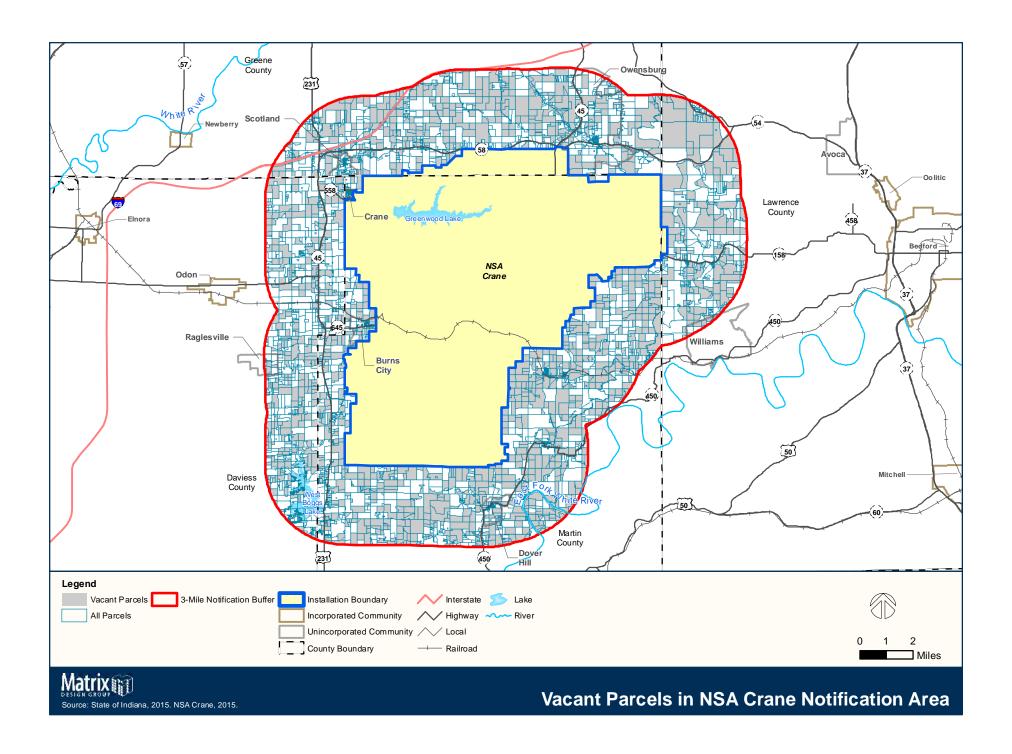
A cooperative land use planning effort between

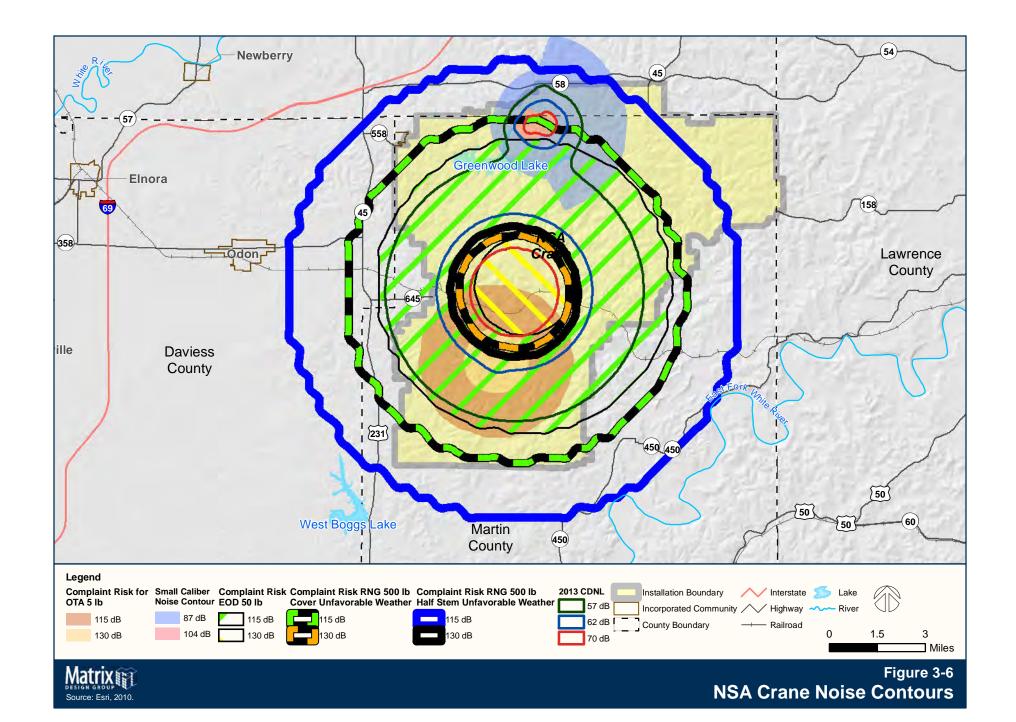
NSA Crane and surrounding communities

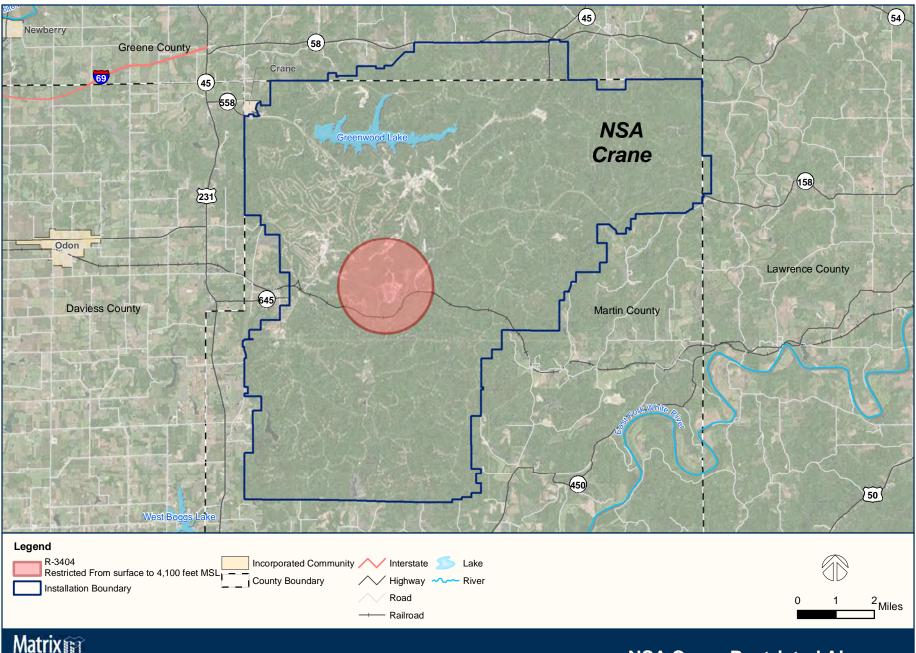
Great	JOB!			
	Thocks	for	asking for	our ingut
	/ * -	V	. 0	



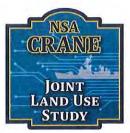








Matrix Source: Esri, 2010.



PUBLIC FORUM SIGN-IN SHEET

LOCATION: LIF

DATE / TIME:

LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

☐ WESTGATE ACADEMY, ODON, IN

Sullivan Middle School, Sullivan, IN

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
TUES BEAL	LAW. Co.		
SHIPLEY BEAL	11 11		
Alma Hanilton	Lay Co	812 278 6125	AKH@Hamiltonsystem.US
TSILL SPREEN	LAW Co	812.276.8406	,
Wristin Halhet	Law Co.	812-276-1429	DEnabhart Dyshow.com
CDR TIM CRADDOCK	NSA CRANE		
TODO WOODS	NSA CRANE	812-854-6997	Fodd. ands Chav. on, 1



PUBLIC FORUM SIGN-IN SHEET

LOCATION:

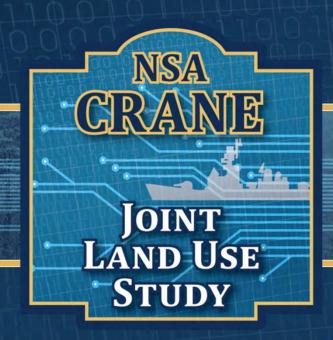
LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

DATE / TIME: 11 / 15/16

14/	A	00011	INI
WESTGATE	ACADEMY,	ODON,	11.7

Sullivan Middle School, Sullivan, IN

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
MATT (RAIG	RADIUS	812 508 2375	M. CRANG Q RADIUSINDIANA, COM
Jeff Quyle	11		J. Quyle & radius Indiena. pon
Shawna Girgis	Chy of Bodfood	812-279-6555	Sgirgisc bedford in us
LARRY JJANIE CHAIGCHEMAULT	Thus communisty	812797.5050	
Phillip Field		812-2789213	
DON LOBERTSON	MITCHECC	812-275-5719	Dald Roba Aoc. com
Keith Dillman	Williams	812-276-1903	Kddillner @hotmail. com
DAN WILL 1	NSA CRANE	812 296 0500	
Colette Childress	OCRA	317.383-1112	Cchildress @ccra.in.gov
Rodeey Fréh	Belton	812-797-4064	reducytish @comeast, Det
Toby + Marily Fell	THE LAW RENCE	812-276-3145	
Strance Sizemore	Lawrence Carry Errong Craption	812.275.4493	shance bed & ochamber nom



PUBLIC FORUM 3 Lawrence County

November 15, 2016





Today's Meeting

Agenda

- Welcome / Introductions
- JLUS Overview / Update
- Areas of Compatibility & Influence
- Public Draft JLUS Review and Comments

Meeting Objectives

- Provide an update on the JLUS process
- Provide overview of the DRAFT JLUS report
- Receive input on Draft compatibility issues



Project Team



Project Manager

Matt Crouch, EDFP

Indiana Office of Community and Rural Affairs

Phone: 317.750.7670

mcrouch@ocra.in.gov

Matrix Design Group

Patrick Small, AICP Project Manager

Celeste Werner, AICP
Deputy Project Manager

Abbie Woodruff Planner



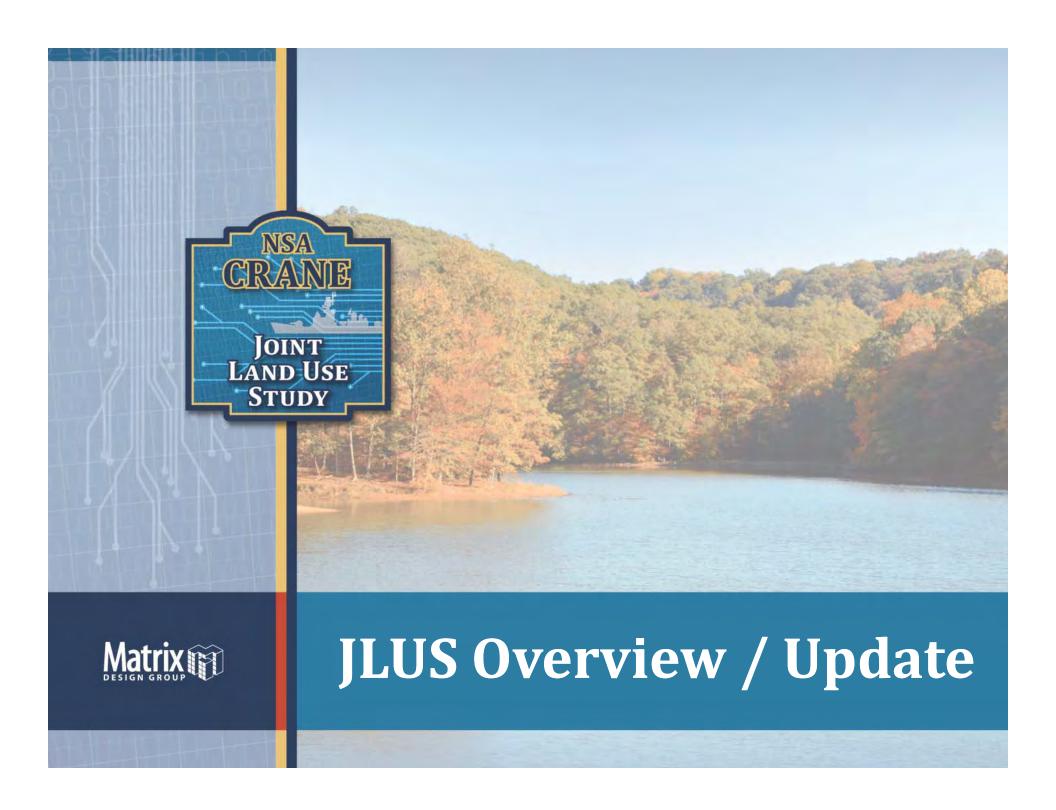




Who is Engaged in the JLUS?

	Participants	Responsibilities
Sponsor (Committee)	OCRA Radius Indiana IODD NSA Crane	Coordination Accountability Grant Management Financial Contribution
Policy Committee	Elected & Appointed Officials NSA Crane Radius Indiana	Policy Direction Study Oversight Monitoring Report Adoption
Technical Working Group	Planning Staff Engineering Staff Technical Specialists Special Interests	Technical Issues Alternatives Report Development Recommendations
Public	All interested persons	Public Input Public Comments







Overview of JLUS

Goal: BALANCE

The goal of the NSA Crane JLUS is to promote compatible growth, sustain environmental and economic health, and protect public health / safety / welfare, while protecting the viability of current and future missions at NSA Crane and its Lake Glendora Test Facility.



Overview of JLUS

A JLUS IS NOT:

- a regulatory document
- an enforceable action

A JLUS IS:

- a study that defines appropriate actions for further consideration
- a collaborative document
- a body of information that assists in making more informed decisions
- Tailored to for each jurisdiction / agency

The JLUS will require follow on actions by all stakeholders, including public involvement to implement





JLUS Update

- ✓ Data collection
- ✓ Stakeholder interviews
- ✓ Identification of compatibility issues
- ✓ Assessment of compatibility issues
- ✓ Identification of areas of concern
- ✓ Review and assessment of current processes and tools
- ✓ Develop appropriate strategies and tools
- ✓ Develop Draft JLUS document
- Public Review
- Develop Final JLUS document





Public Involvement Opportunities

Public input is essential to the success of the JLUS

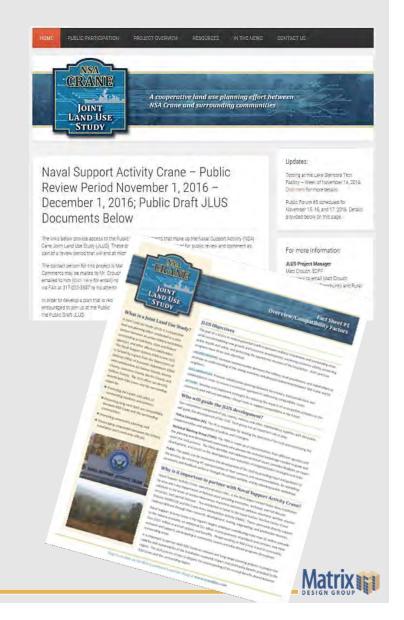
Public Forums – 3 sets

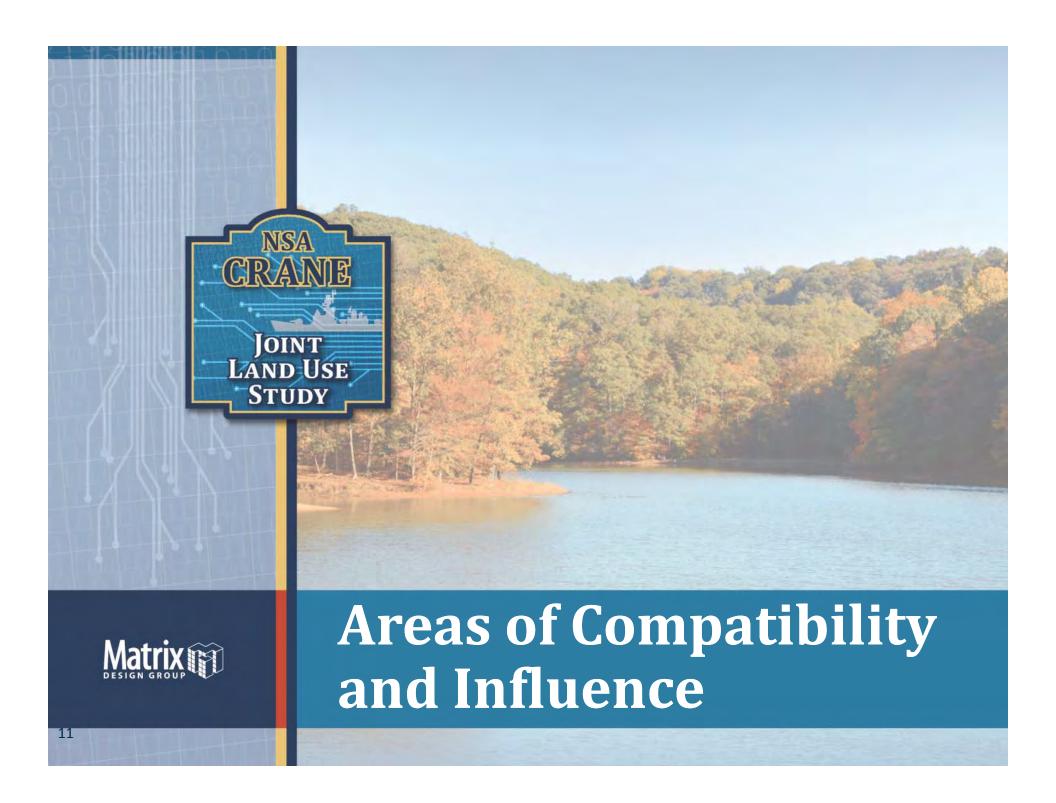
- Lawrence County
- Daviess, Greene, and Martin Counties
- Sullivan County

Project Website

www.cranejlus.com

Public Review Period







Compatibility Factors

NSA Crane Joint Land Use Study

What Is Compatibility?

Compatibility, in relationship to military readiness, can be defined as the balance and / or compromise between community and military needs and interests. The goal of compatibility planning is to promote an environment where both entities can coexist. successfully. Study area data on existing conditions obtained from the PC, TWG, and public workshops will be analyzed to identify current and future compatibility issues. This analysis will also identify the influence of regulatory measures on land use decisions and will consider existing and projected development trends within the study area. The JLUS will study the following set of 25 potential compatibility factors to determine all pertinent issues:

Air quality is defined by numerous components that are regulated at the federal and state level. For compatibility, the primary concerns are pollutants that limit visibility (such as particulates, ozone, etc.) and potential non-attainment of air quality standards that may limit future changes in operations at the installation or in the area.



Anti Terrorism/ AT Force Protection

Anti-Terrorism / Force Protection (AT / FP) relates to the safety of personnel, facilities. and information on an installation from outside threats. Methods to protect the installation and its supportive facilities can impact offinstallation uses.

Biological Resources

Biological resources include federal and state listed species (threatened and endangered species) and the habitats they live in or utilize. These resources may also include areas such as wetlands and migratory corridors that support these species. The presence of sensitive biological resources may require special development considerations and should be included early in the planning process.

Climate Adaptation

CA Climate adaptation is the effort to prepare for future climate changes resulting from natural factors and human activities that influence long-term atmospheric conditions. The effects may include fluctuations in sea levels, storm and tidal surges, and changes in flood potential which can present operational and planning challenges for the military and communities.



M Communication/

Communication / coordination relates to the level of interaction on compatibility issues among military installations, jurisdictions, land and resource management agencies, and conservation authorities.

CR Cultural Resources
Cultural resources may prevent development, apply development constraints, or require special access by Native American tribes, other groups, or governmental regulatory authorities.



DSS Dust/Smoke/Steam

Dust results from the suspension of particulate matter in the air. Dust (and smoke) can be created by fire (controlled burns, agricultural burning, and artillery exercises), ground disturbance (agricultural activities, military operations, grading), industrial activities, or other similar processes. Dust, smoke, and steam are compatibility issues if sufficient in quantity to impact flight operations (such as reduced visibility or cause equipment damage).

Energy Development

Development of energy sources, including alternative energy sources (such as solar, wind, or biofuels) could pose compatibility issues related to glare (solar energy), vertical obstruction (wind generation), or water quality / quantity.

FSC Frequency Spectrum Capacity

In a defined area, the frequency spectrum is limited. Frequency spectrum capacity is critical for maintaining existing and future missions and communications on installations. This is also addressed from the standpoint of consumer electronics.

FSI Frequency Spectrum Impedance / Interference

Frequency spectrum impedance and interference refers to the interruption of electronic signals by a structure or object (impedance) or the inability to distribute / receive a particular frequency because of similar frequency competition (interference).

Housing Availability

Housing availability addresses the supply and demand for housing in the region. It also identifies the competition for shelter that may result from changes in the number of military personnel and the supply of military family housing provided by the installation.

Infrastructure Extensions

provision of infrastructure (roads, sewer, water, etc.) in the vicinity of the installation. Infrastructure can enhance the operations of the installation by providing needed services, such as sanitary sewer treatment capacity and transportation systems. However, enhanced or expanded infrastructure could also encourage growth into areas near the installation that might not be compatible with current or future missions.



Fact Sheet #1: Overview / Factors

LAS Land/Air Spaces The military manages or uses

land and air space to accomplish testing, training. and operational missions. These resources must be available and of a sufficient size, cohesiveness, and quality to accommodate effective training and testing. Military and civilian air operations can compete for limited air space, especially when the airfields are in close proximity to each other. Use of this shared resource can impact future growth in operations for all users.

Land Use

The basis of land use planning relates to the government's role in protecting the public's health, safety, and welfare, County and local jurisdictions' growth policy/ general plans and zoning ordinances can be the most effective tools for avoiding, or resolving, land use compatibility issues. These tools ensure the separation of land uses that differ significantly in character. Land use senaration also applies to properties where the use of one property may impact the use of another. For instance, industrial uses are often separated from residential uses to avoid impacts related to noise, odors, lighting

LEG Legislative Initiatives Legislative Initiatives are

federal, state, or local laws and regulations that may have a direct or indirect effect on a military installation to conduct its current or future mission. They can also constrain development potential in areas surrounding the installation.



Light and Glare

This factor refers to man-made lighting (street lights, airfield lighting, building lights) and glare (direct or reflected light) that disrupts vision.

Light sources from commercial, industrial, recreational, and residential uses at night can cause excessive glare and illumination, impacting the use of military night vision devices and air operations. Conversely, high intensity light sources generated from a military area (such as ramp lighting) may have a negative impact on the adjacent community.

Regulatory or permit requirements protecting marine and ocean resources can cumulatively affect the military's ability to conduct. operations, training exercises, or testing in a water-based environment.

NOI Noise

From a technical perspective, sound is the mechanical energy transmitted by pressure waves in a compressible medium such as air. More simply stated, sound is what we hear. As sound reaches unwanted levels, this is referred to as noise. The central issue of noise is the impact, or perceived impact, on people. animals (wild and domestic), and general land use compatibility. Exposure to high noise levels can have a significant impact on human activity. health, and safety.

Public Trespassing

This factor addresses public trespassing, either purposeful or unintentional, onto a military installation. The potential for trespassing increases when public use areas are in close proximity to the installation.



RC Roadway Capacity
Roadway capacity relates to

the ability of existing freeways, highways, arterials, and other local roads to provide adequate mobility and access between military installations and their surrounding communities.



SA Safety Zones
Safety zones are areas in which development should be more restrictive due to the higher risks to public safety, Issues to consider include accident potential zones, weapons firing range safety zones, and explosive safety zones.

SNR Scarce Natural Resources

Pressure to gain access to valuable natural resources (such as oil, natural gas, minerals, and water resources) located on military installations, within military training areas, or on public lands historically used for military operations can impact land utilization and military operations.



Vertical Obstructions

Vertical obstructions are created by buildings, trees, structures, or other features that may encroach into the navigable airspace used for military operations (aircraft approach, transitional, inner horizontal, outer horizontal. and conical areas, as well as military training routes). These can present a safety hazard to both the public and military personnel.

Vibration is an oscillation or motion that alternates in opposite directions and may occur as a result of an impact, explosion, noise, mechanical operation, or other change in the environment. Vibration may be caused by military and/or civilian activities.

WQQ Quantity Water Quality/

Water quality / quantity concerns include the assurance that adequate water supplies of good quality are available for use by the installation and surrounding communities as the area develops. Water supply for agricultural and industrial use is also considered.



Issue Identification

Issues were identified through:

- Technical expertise / experience
- Data research
- Interviews with local stakeholders
 - Jurisdictions
 - Military
 - Agencies
 - Organizations
- Policy Committee / Technical Working Group inputs
- Public inputs

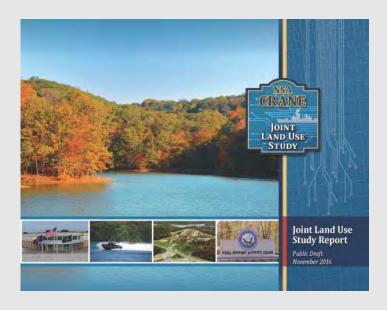




JLUS Report

Six Chapters

- 1. Introduction
- 2. Community Profile
- 3. Military Profile
- 4. Existing Compatibility Tools
- 5. Compatibility Assessment
- 6. Implementation Plan (Recommended Strategies)



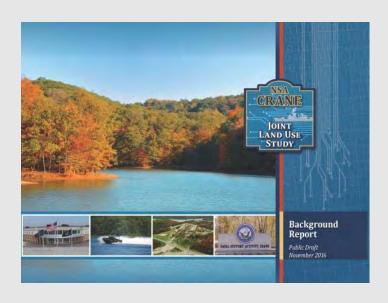




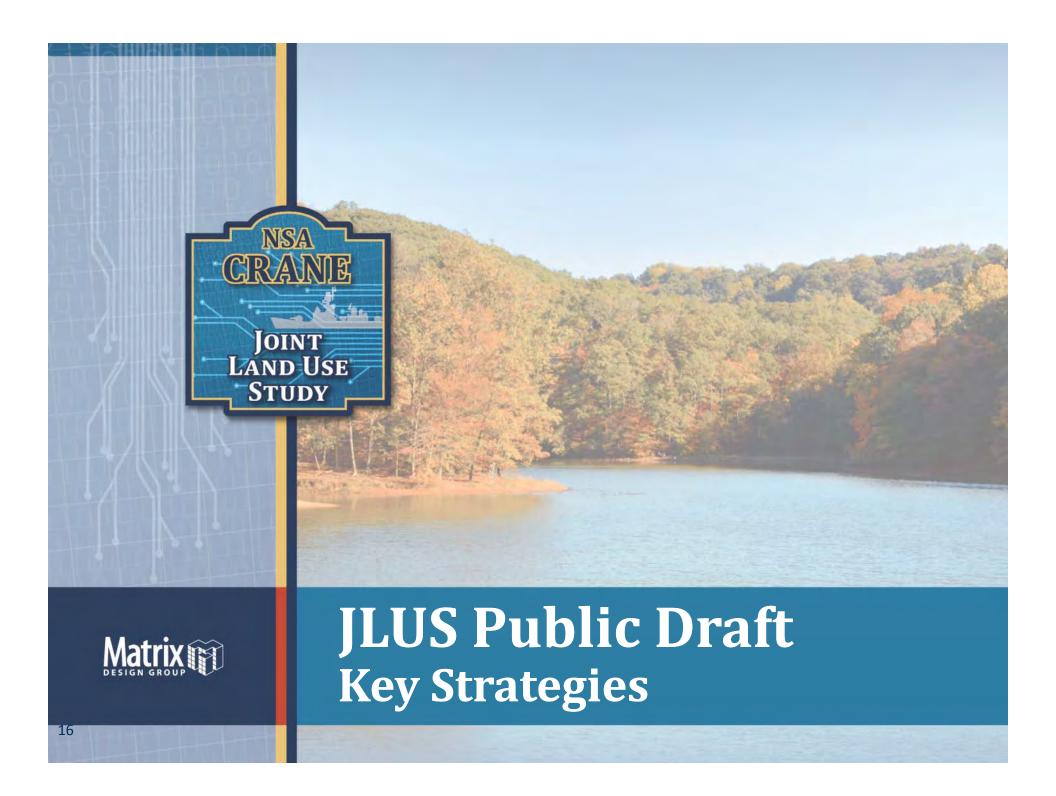
Background Report

Five Chapters

- 1. Introduction
- 2. Community Profile
- 3. Military Profile
- 4. Existing Compatibility Tools
- 5. Compatibility Assessment

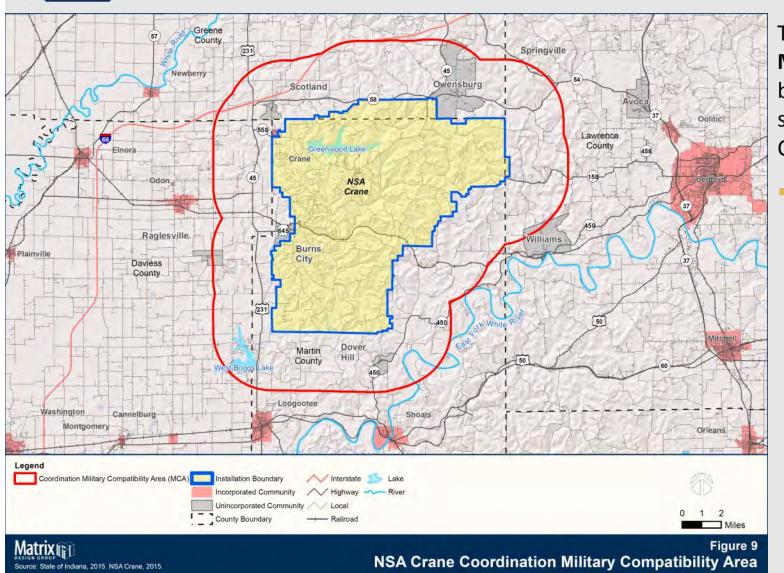








Key Strategies – Coordination MCA



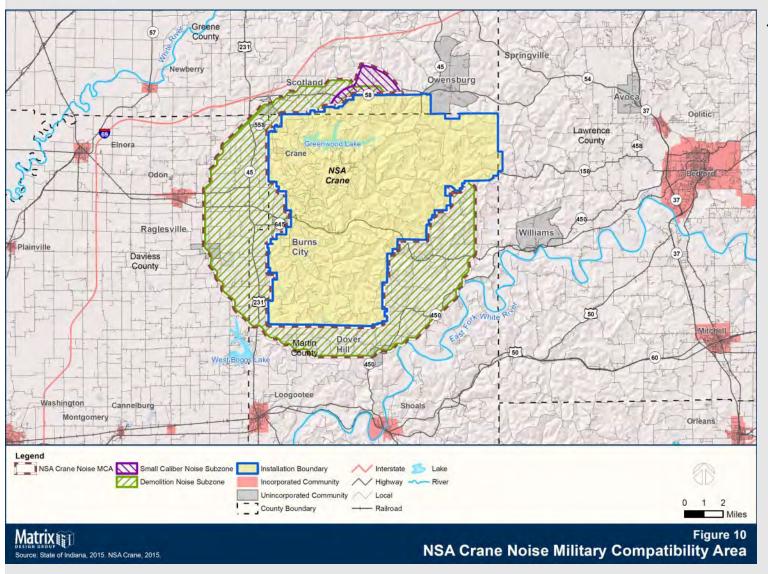
The **Coordination MCA** is a 3-mile buffer surrounding NSA Crane

 Notification requirements per Indiana Code (IC) §36-7-30.1-2





Key Strategies – Noise MCA



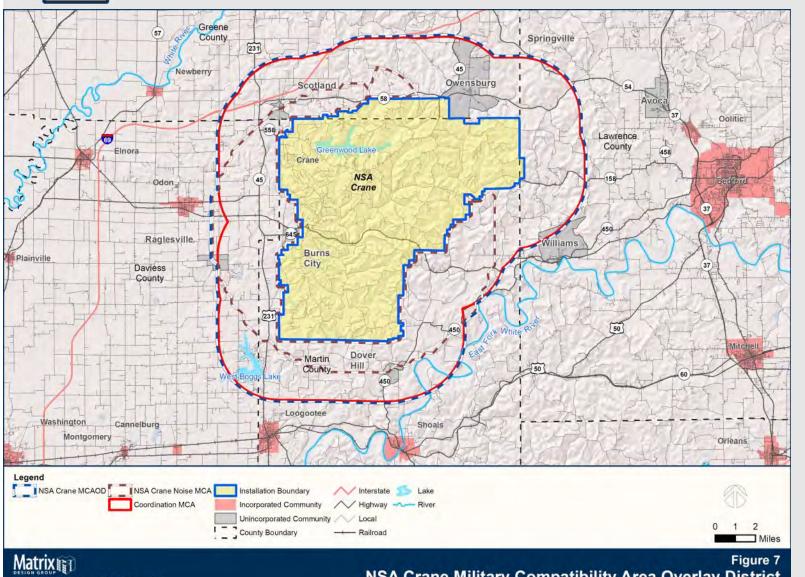
The **Noise MCA** includes all land located within the noise contours for:

- Small CaliberNoise Subzone:87-104 decibel(dB) PK15(met)range
- DemolitionNoise Subzone:115 dBPK15(met)peak blast





Key Strategies - MCAOD



The proposed **NSA Crane Military Compatibility Area Overlay District** (MCAOD) is an area that incorporates both the Noise and Coordination **MCAs**





Key Strategies – Lawrence County

Issue / Strategy ID #	Geographic Area	Strategy COMMUNICATION / COORDINATION	OO) W Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-1A	Study Area	Establish a NSA Crane / Lake Glendora Test Facility JLUS Implementation Coordination Committee Establish a JLUS Implementation Coordination Committee to maintain efficient and effective coordination among the JLUS partners and to oversee the implementation of JLUS recommendations. The JLUS Implementation Coordination Committee should meet on a regular basis as agreed upon by the Committee and be responsible for establishing effective and timely means of communication for the purpose of coordinating and addressing compatibility concerns and issues. Consider committee membership from the JLUS Policy Committee as well as other community partners as deemed appropriate to maintain continuity and institutional project knowledge. Consider the formation of a technical subcommittee comprising Technical Working Group members to address technical aspects of the JLUS implementation. Other Primary Partners: Indiana Office of Community and Rural	Short-Term	•	•	•	•		•			•





Key Strategies – Lawrence County

Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-2A	NSA Crane Coordination MCA / LGTF Coordination MCA	Develop Memorandum of Agreement for Communications NSA Crane and Lake Glendora Test Facility should collaborate with local governments and economic development organizations to implement a Memorandum of Agreement that delineates lines of communication between jurisdictions, agencies and NSA Crane / Lake Glendora Test Facility leadership. Other Primary Partners: Indiana Office of Defense Development; Indiana Office of Community and Rural Affairs; Radius Indiana; City of Sullivan; Town of Crane; local economic development corporations, councils and commissions	Short-Term	•	•	•	•	•				
COM-2B	NSA Crane Coordination MCA / LGTF Coordination MCA	Invite a NSA Crane Representative to Serve as a Non-Voting Member of Plan Commissions In an effort to continue a collaborative partnership, include in a Memorandum of Agreement between county and local governments and NSA Crane that allows NSA Crane to participate as a non-voting member on Plan Commissions to attend meetings and provide technical input on military compatibility issues. This strategy applies to any jurisdiction that establishes a Plan Commission in the future as indicated by the ◆symbol. Other Primary Partner: City of Sullivan	Short-Term		•	•	•	•				•





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-2C	NSA Crane Coordination MCA / LGTF Coordination MCA	Provide Mutual Briefings To perpetually enhance support and cooperation, and reinforce the partnership between NSA Crane / Lake Glendora Test Facility and Study Area jurisdictions, installation leadership should annually present a "state of the installation" briefing including strategic goals, operational changes, and proposed construction projects that may impact the jurisdictions to the Study Area county commissions and city councils. The counties and cities should provide annual briefings to NSA Crane / Lake Glendora Test Facility leadership of changes within the communities that may impact the installation including comprehensive plans, master plans, transportation plans, zoning, development projects, and capital improvement plans. Other Primary Partners: City of Sullivan, Town of Crane Other Partners: Indiana Office of Defense Development, Indiana Office of Community and Rural Affairs, Radius Indiana, Crane Army Ammunition Activity	Short-Term									





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-3A	NSA Crane Coordination MCA / LGTF Coordination MCA	Designate and Formalize Points of Contact for Planning Consider a Memorandum of Agreement between the JLUS Study Area jurisdictions and NSA Crane / Lake Glendora Test Facility that formally designates and identifies the points of contact for jurisdictions and NSA Crane / Lake Glendora Test Facility. The point of contact should be an individual with knowledge of county and local governments and economic development initiatives, capable of relaying information between the jurisdictions and the military. Other Primary Partners: local economic development corporations, councils and commissions, and area cities and towns	Short-Term									
COM-3B	NSA Crane Coordination MCA / LGTF Coordination MCA	Formalize Coordination with NSA Crane / Lake Glendora Test Facility in Planning Documents County and local governments should formalize coordination procedures with NSA Crane / Lake Glendora Test Facility in planning documents including comprehensive plans and zoning ordinance to ensure community compliance with military notification procedures outlined in Indiana Code IC 36-7-30.1 and as amended from time to time. Other Primary Partners: Southern Indiana Development Commission, City of Sullivan, Town of Crane, other jurisdictions that may have incorporated area within the notification buffer in the future.	Short-Term	•	•	•	•	•		Mat	riv	



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-6D	NSA Crane MCAOD / LGTF MCAOD	Communication on Detonations Testing NSA Crane / Lake Glendora Test Facility should communicate upcoming detonation activities to the public. Communication should take the form of formal media releases, eBlasts, website flash tickers, public service announcements, and radio / TV coverage to ensure the notification is in general circulation.	On-Going									





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-8B	NSA Crane Coordination MCA / LGTF Coordination MCA	Adopt Development Notification Checklist Jurisdictions should work with NSA Crane / Lake Glendora Test Facility to develop, adopt and implement a development notification checklist that will assist iurisdictions, developers, residents and the military with identifying development types that could potentially be incompatible with the NSA Crane / Lake Glendora Test Facility missions. The checklist should define applicable development types and scales that warrant NSA Crane / Lake Glendora Test Facility review and include a map indicating the notification area. The checklist should be standardized for all jurisdictions to ensure consistency and eliminate interpretation in how, when and where the checklist is applied. The checklist could be used as a tool for a continuing dialog between local economic development organizations and the military and assist with early notification to developers. The checklist should not be regarded as a mechanism to approve or deny development but should be formally adopted by county commissions and city councils to acknowledge and endorse its use. Other Primary Partners: local economic development corporations, councils and commissions; City of Sullivan; Town of Crane	Short-Term									



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT
COM-8C	NSA Crane Coordination MCA / LGTF Coordination MCA	Formalize NSA Crane / Lake Glendora Test Facility in Development Reviews Revise codes to include NSA Crane / Lake Glendora Test Facility in the review process for development applications per the Checklist established in Strategy COM-8B and Indiana Code Section 36-7-30.1-2. Include procedures for military notification and timeframes for review to support a proactive approach for identifying and mitigating potential military incompatibilities. Code provisions should specify: Opportunities for the military to provide technical input and assistance to local jurisdictions to support discussion of projects and potential compatibility issues Defining project types that require military review Identification of the Points of Contact in the development review process Formal procedures for transmitting applications to NSA Crane / Lake Glendora Test Facility Formal procedures for requesting and receiving comments Timeline for military responses considering review timeframes specified by state law and local procedures Notification to NSA Crane / Lake Glendora Test Facility on all public hearings related to development applications This strategy applies to any jurisdiction that establishes a Development Review process in the future as indicated by the symbol. Other Primary Partner: City of Sullivan	Mid-Term		•	•	•				



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-8D	NSA Crane Coordination MCA / LGTF Coordination MCA	Adopt Military Notification Procedures for Development Projects through Tax Abatement Process Jurisdictions without a planning regulatory framework should adopt formal requirements for notification and review of development by NSA Crane / Lake Glendora Test Facility per the Checklist identified Strategy COM-8B and Indiana Code Section 36-7-30.1-2. As part of the tax abatement application process require transmittal of a copy of the application to NSA Crane / Lake Glendora Test Facility at the time of application to ensure adequate review prior to the public hearing. Incorporate notification and review requirements per Indiana Code Section 36-7-30.1-2. Other Primary Partners: local economic development corporations, councils and commissions; Town of Crane	Short-Term									





Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
	HOUSING AVAILABILITY (HA)										
Study Area	Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel.	Mid-Term	•	•	•	•					
	LAND USE (LU)										
NSA Crane Coordination MCA	Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Mid-Term			•	•		0			•
	Study Area NSA Crane Coordination	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance.	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane	Study Area Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel. LAND USE (LU) NSA Crane Coordination MCA Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane

Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
		LEGISLATIVE INITIATIVES (LEG)									
LEG-1A	NSA Crane Coordination MCA / LGTF Coordination MCA	Amend Indiana Code Annotated Title 36, Article 7, Section 30.1 Planning and Zoning Affecting Military Bases The Indiana Legislature should amend IC 36-7-30.1 to improve on existing legislation for military compatibility. Consider appointing a committee to determine the most effective changes to clarify and enhance the compatibility language. At minimum the legislation should be amended to: Clarify that the code applies to permitting, in addition to planning and regulating Specify development types for coordination with the military so that it is focused on relevant plans and developments with the potential to adversely impact military operations Specify the form of notification required to ensure consistent interpretation and application across jurisdictions Specify that plans/ documentation is required that adequately explain the activity and location such that the military can provide informed feedback on any potential impact on their operations Provide for the ability to impose conditions, require modifications to eliminate or mitigate potential adverse impacts, or include a mediation process to resolve compatibility conflicts where other remedies cannot be applied Incorporate compliance enforcement provisions. This will require the identification of an appropriate state authority, procedures to track compliance and a progressive (stepped) framework to attain compliance, perhaps beginning with education and assistance. Other Partner: Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council	Mid-Term								triv	



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
LEG-1B	NSA Crane Coordination MCA / LGTF Coordination MCA	Amend State Building Permit Review Procedures Amend Indiana Code 4-21.5-3-1 to require the Indiana Department of Homeland Security Division of Fire and Building Safety as the authority for building permits within counties not employing local building inspection program to notify a military installation of construction pursuant to IC 36-7-30.1.	Mid-Term							1.		
		Amend Title 675 Indiana Administrative Code 12-10-6: Required Administrative Provisions to include a provision that no building permit would be issued that would cause a violation of IC 36-7-30.1.										
		Other Partner: Indiana Department of Homeland Security Division of Fire and Building Safety; Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council										
LEG-1C	NSA Crane Coordination MCA / LGTF Coordination MCA	Consider State Funding Program Set Asides and Incentives for Rural Military Communities Amend the Rural Economic Development Fund and Indiana Main Street programs to include a set-aside for rural communities who host military installations and are subject to encroachment impacts including development constraints. Consider incentive criteria such as community actions which demonstrate ongoing commitment to military compatibility.	Long-Term							•		



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
LEG-1D	NSA Crane Coordination MCA / LGTF Coordination MCA	Designate State Areas of Interest Designate a three-mile boundary around military installations as "state areas of interest." Require jurisdictions to adopt planning guidance specific to compatibility with military installations for land within the three-mile boundary. Other Partners: Other Partner: Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council	Mid-Term									
		NOISE (NOI)										
NOI-3A	NSA Crane MCAOD / LGTF MCAOD	Increase Public Understanding of Noise Sources Increase community awareness of military overflight and operations throughout the entire NSA Crane / Lake Glendora Test Facility area of influence through the use of local media sources, newsletters, brochures, and annual outreach functions hosted by NSA Crane / Lake Glendora Test Facility in cooperation with each Study Area jurisdiction. Include information that there are other noise generating uses such as quarries and mines within the Study Area. Other Partners: City of Sullivan, Town of Crane, Indiana Office of Defense Development, Indiana Air National Guard	Long-Term						•			



How to Provide Comments

Public input is essential to the success of the JLUS process and implementation

Comment Cards:

- Complete and...
 - hand it to us at the end of the Forum

Comment Sheet:

- Complete and...
 - Email, mail or fax to MattCrouch





How to Provide Comments

Email comments to:

mcrouch@ocra.in.gov

Mail comments to:

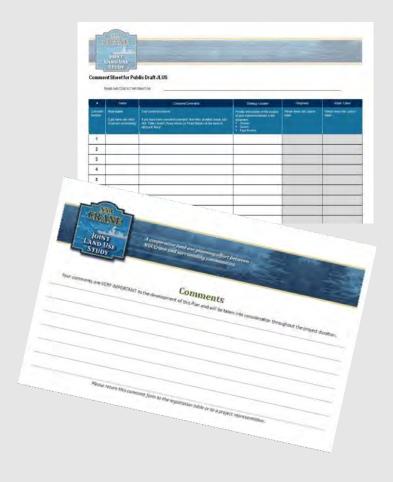
Mr. Matt Crouch

One N Capitol Avenue, Suite 600 Indianapolis, IN 46204-2027

Fax comments:

Attn: Matt Crouch, OCRA

317-233-3597

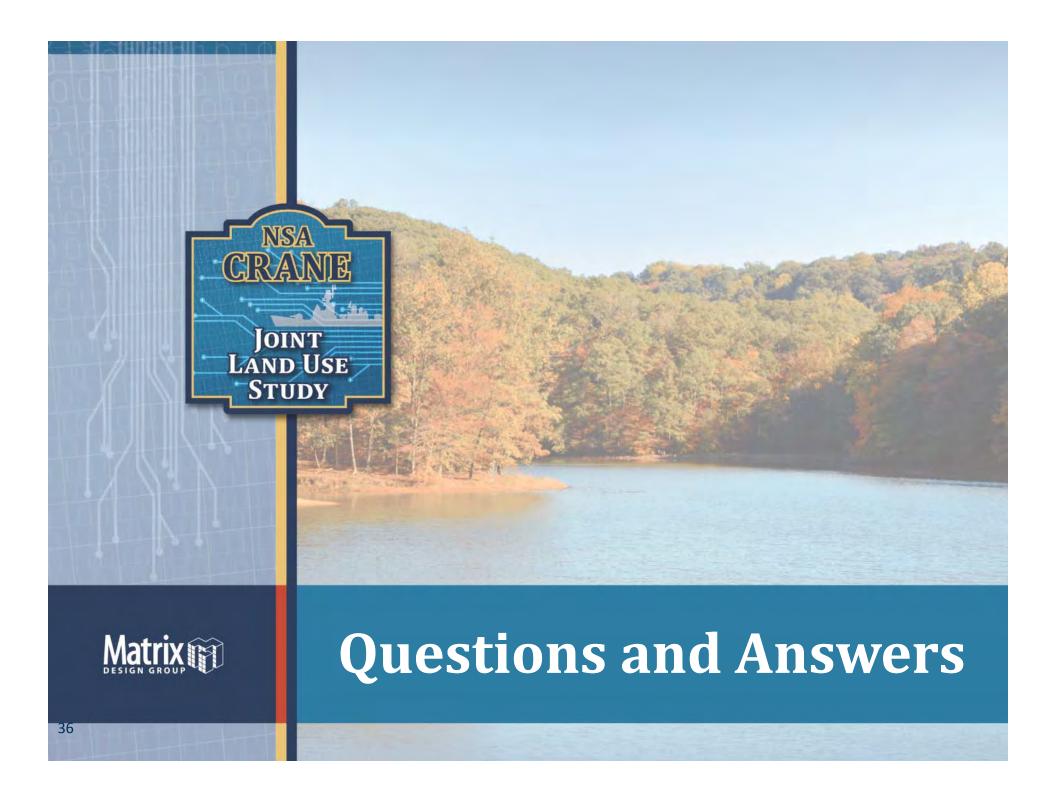






Next Steps

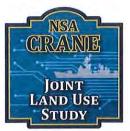
- 1. Public Draft Documents / Public Review Period is NOW through midnight December 1, 2016
 - JLUS Report
 - Background Report
- Review and revise JLUS per Public Comments / Committee approval
- 3. Acceptance by JLUS Policy Committee
- 4. Acceptance by JLUS Study Area jurisdictions
- 5. Implementation





Before leaving today's Forum please return your completed comment card to a project representative

Thank you for your attendance!



PUBLIC FORUM SIGN-IN SHEET

LOCATION:

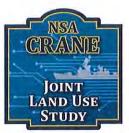
☐ LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

WESTGATE ACADEMY, ODON, IN

Sullivan Middle School, Sullivan, IN

DATE / TIME:

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
E.B. Rawles Indian and Ragional Managar Buran	Sandborn	812-890-2182	erawles@infb.org
Welland Riggle Daviess Co	Washington	812-486-5258	
TOPP WOODS	NSA CZANE	812-854-6997	Endd. woods@navr.mil
Bria_ Blackwill	NSLC	812-854-3766	brian. blackwell@nay.ii.).
Robert Hoester	NSWC	812-163 7852	thoer tex Oblacement ble net
Jil Curry	OCRA	317-450-5078	jury e ocrain.go
Jill Curry Larry Ordner	Rep. Bucshon	812-465-6484	
Jerry Parknson	Sen Joe Donnelly	812-425-5862	Terry-Parkinson@donnelly. Senate. 500
Lynn Coyne	Sen Joe Donnelly Bloomington Extromic Development Corp	812-335-7346	Icoync@bloomingtonede.com



PUBLIC FORUM SIGN-IN SHEET

LOCATION:

WESTGATE ACADEMY, ODON, IN ☐ LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

 \square SULLIVAN MIDDLE SCHOOL, SULLIVAN, IN

DATE / TIME:	11/160
--------------	--------

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Phil Flint	Washington	8/2-254-5605	farmboy-1950@ yahow, Com
Donald P. Scholte	Greene County	812-699-8326	donaldpscholtel@gmail.com
CARY BLEDSOE	LOOGOOTEE/WESTGATE	812-295-6007	Cary. bledsoe @ stimulusergineering, c
Phil O'Haver	Washington	812-698-7298	Phil. ohaver@tagetfinancial.net
DAN Wiley	CRANE ARMY	812-296-0500	
Sondra Laughlin	Greene County	812-698-1498	SONDRA. LAUGHLIN@NAVY. MIL
Rebecca Sparks	Martin County	812-863-4407	rebel 3035 Oyahoo, com
Bob Jackson	Martin County	812-863-4407	Bjackson 9 øyahoo. com
COR TIM CRADDOCK	NSA CRAWE		
Devin Wittmer	ODON		
· · · · · · · · · · · · · · · · · · ·			
			+



PUBLIC FORUM 3

Daviess, Greene, and Martin Counties

Matrix (1)

November 16, 2016



Today's Meeting

Agenda

- Welcome / Introductions
- JLUS Overview / Update
- Areas of Compatibility & Influence
- Public Draft JLUS Review and Comments

Meeting Objectives

- Provide an update on the JLUS process
- Provide overview of the DRAFT JLUS report
- Receive input on Draft compatibility issues



Project Team



Project Manager

Matt Crouch, EDFP

Indiana Office of Community and Rural Affairs

Phone: 317.750.7670

mcrouch@ocra.in.gov

Matrix Design Group

Patrick Small, AICP Project Manager

Celeste Werner, AICP
Deputy Project Manager

Abbie Woodruff Planner



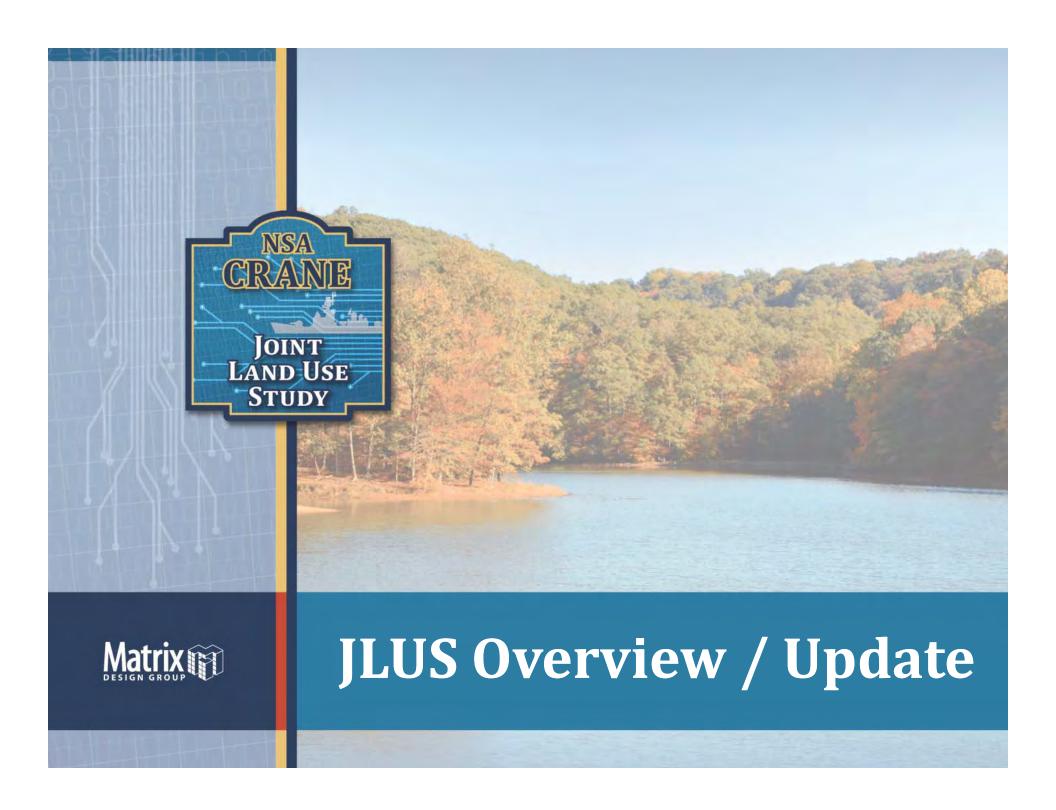




Who is Engaged in the JLUS?

	Participants	Responsibilities
Sponsor (Committee)	OCRA Radius Indiana IOOD NSA Crane	Coordination Accountability Grant Management Financial Contribution
Policy Committee	Elected & Appointed Officials NSA Crane Radius Indiana	Policy Direction Study Oversight Monitoring Report Adoption
Technical Working Group	Planning Staff Engineering Staff Technical Specialists Special Interests	Technical Issues Alternatives Report Development Recommendations
Public	All interested persons	Public Input Public Comments







Overview of JLUS

Goal: BALANCE

The goal of the NSA Crane JLUS is to promote compatible growth, sustain environmental and economic health, and protect public health / safety / welfare, while protecting the viability of current and future missions at NSA Crane and its Lake Glendora Test Facility.



Overview of JLUS

A JLUS IS NOT:

- a regulatory document
- an enforceable action

A JLUS IS:

- a study that defines appropriate actions for further consideration
- a collaborative document
- a body of information that assists in making more informed decisions
- Tailored to for each jurisdiction / agency

The JLUS will require follow on actions by all stakeholders, including public involvement to implement





JLUS Update

- ✓ Data collection
- ✓ Stakeholder interviews
- ✓ Identification of compatibility issues
- ✓ Assessment and prioritization of compatibility issues
- ✓ Identification of areas of concern
- Review and assessment of current processes and tools
- ✓ Develop appropriate strategies and tools
- ✓ Develop Draft JLUS document
- Public Review
- Develop Final JLUS document





Public Involvement Opportunities

Public input is essential to the success of the JLUS

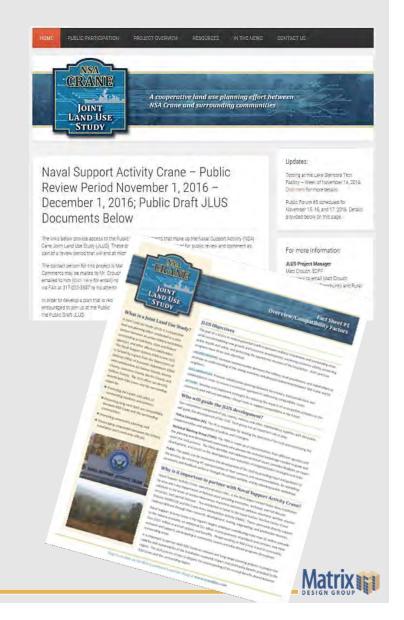
Public Forums – 3 sets

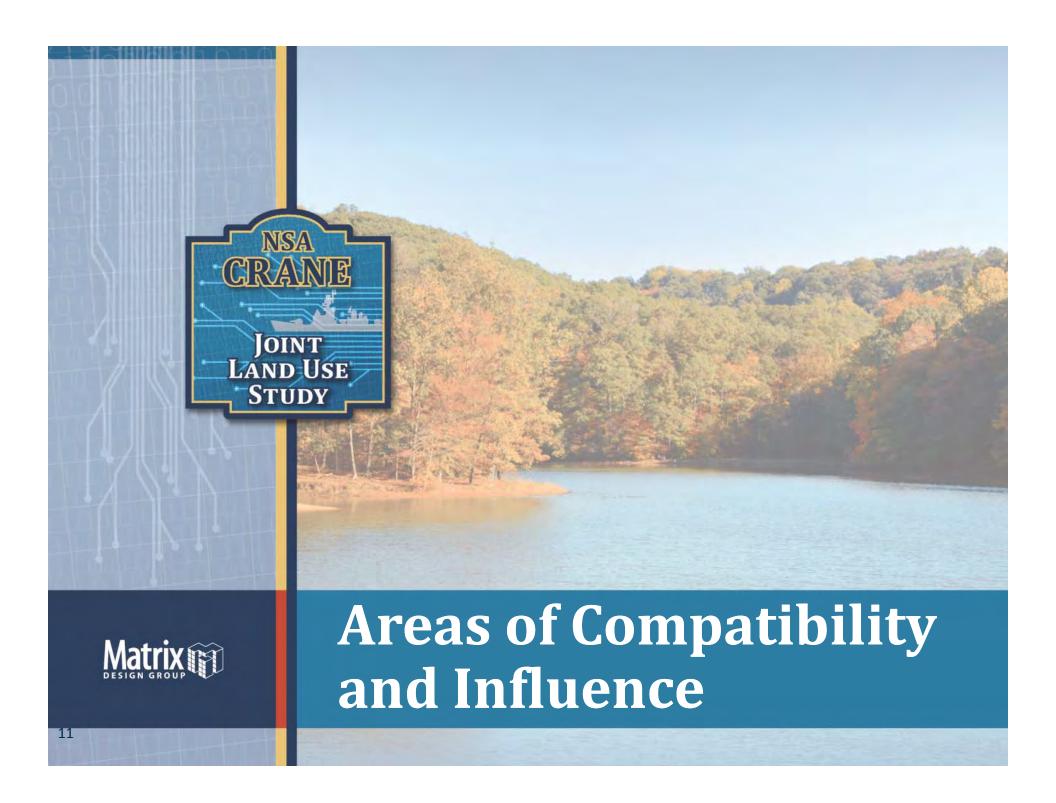
- Lawrence County
- Daviess, Greene, and Martin Counties
- Sullivan County

Project Website

www.cranejlus.com

Public Review Period







Compatibility Factors

NSA Crane Joint Land Use Study

What Is Compatibility?

Compatibility, in relationship to military readiness, can be defined as the balance and / or compromise between community and military needs and interests. The goal of compatibility planning is to promote an environment where both entities can coexist successfully. Study area data on existing conditions obtained from the PC, TWG, and public workshops will be analyzed to identify current and future compatibility issues. This analysis will also identify the influence of regulatory measures on land use decisions and will consider existing and projected development trends within the study area. The ILUS will study the following set of 25 potential compatibility factors to determine all pertinent issues.

Air Quality

Air quality is defined by numerous components that are regulated at the federal and state level. For compatibility, the primary concerns are pollutants that limit visibility (such as particulates, ozone, etc.) and potential non-attainment of air quality standards that may limit future changes in operations at the installation or in the area.



Anti Terrorism/ AT Force Protection

Anti-Terrorism / Force Protection (AT / FP) relates to the safety of personnel, facilities, and information on an installation from outside threats. Methods to protect the installation and its supportive facilities can impact offinstallation uses.

Biological Resources

Biological resources include federal and state listed species (threatened and endangered species) and the habitats they live in or utilize. These resources may also include areas such as wetlands and migratory corridors. that support these species. The presence of sensitive biological resources may require special development considerations and should be included early in the planning process.

Climate Adaptation

CA Climate adaptation is the effort to prepare for future climate changes resulting from natural factors and human activities that influence long-term atmospheric conditions. The effects may include fluctuations in sea levels, storm and tidal surges, and changes in flood potential which can present operational and planning challenges for the military and communities.



Communication/ Coordination

Communication / coordination relates to the level of interaction on compatibility issues among military installations, jurisdictions, land and resource management agencies, and conservation authorities.

CR Cultural Resources Cultural resources may prevent

development, apply development constraints, or require special access by Native American tribes, other groups, or governmental regulatory authorities.



C Dust/Smoke/Steam

Dust results from the suspension of particulate matter in the air. Dust (and smoke) can be created by fire (controlled burns, agricultural burning, and artillery exercises), ground disturbance (agricultural activities, military operations, grading), industrial activities, or other similar processes. Dust, smoke, and steam are compatibility issues if sufficient in quantity to impact flight operations (such as reduced visibility or cause equipment damage).

Energy Development

Development of energy sources, including alternative energy sources (such as solar, wind, or biofuels) could pose compatibility issues related to glare (solar energy), vertical obstruction (wind generation), or water quality / quantity.

FSC Frequency Spectrum Capacity

In a defined area, the frequency spectrum is limited. Frequency spectrum capacity is critical for maintaining existing and future missions and communications on installations. This is also addressed from the standpoint of consumer electronics.

FSI Frequency Spectrum Impedance / Interference

Frequency spectrum impedance and interference refers to the interruption of electronic signals by a structure or object (impedance) or the inability to distribute / receive a particular frequency because of similar frequency competition (interference).

Housing Availability

Housing availability addresses the supply and demand for housing in the region. It also identifies the competition for shelter that may result from changes in the number of military personnel and the supply of military family housing provided by the installation.

Infrastructure Extensions

This factor covers the extension or provision of infrastructure (roads, sewer. water, etc.) in the vicinity of the installation. Infrastructure can enhance the operations of the installation by providing needed services. such as sanitary sewer treatment capacity and transportation systems. However, enhanced or expanded infrastructure could also encourage growth into areas near the installation that might not be compatible with current or future missions.



Fact Sheet #1: Overview / Factors

LAS Land/Air Spaces The military manages or uses

land and air space to accomplish testing, training. and operational missions. These resources must be available and of a sufficient size, cohesiveness, and quality to accommodate effective training and testing. Military and civilian air operations can compete for limited air space, especially when the airfields are in close proximity to each other. Use of this shared resource can impact future growth in operations for all users.

Land Use

The basis of land use planning relates to the government's role in protecting the public's health, safety, and welfare, County and local jurisdictions' growth policy/ general plans and zoning ordinances can be the most effective tools for avoiding, or resolving, land use compatibility issues. These tools ensure the separation of land uses that differ significantly in character. Land use senaration also applies to properties where the use of one property may impact the use of another. For instance, industrial uses are often separated from residential uses to avoid impacts related to noise, odors, lighting

LEG Legislative Initiatives Legislative initiatives are

federal, state, or local laws and regulations that may have a direct or indirect effect on a military installation to conduct its current or future mission. They can also constrain development potential in areas surrounding the installation.



This factor refers to man-made lighting (street lights, airfield lighting, building lights) and glare (direct or reflected light) that disrupts vision.

Light sources from commercial, industrial, recreational, and residential uses at night can cause excessive glare and illumination, impacting the use of military night vision devices and air operations. Conversely, high intensity light. sources generated from a military area (such as ramp lighting) may have a negative impact on the adjacent community:

Regulatory or permit requirements protecting marine and ocean resources can cumulatively affect the military's ability to conduct operations, training exercises, or testing in a water-based environment.

NOI Noise

From a technical perspective, sound is the mechanical energy transmitted by pressure waves in a compressible medium such as air. More simply stated, sound is what we hear. As sound reaches unwanted levels, this is referred to as noise. The central issue of noise is the impact, or perceived impact, on people. animals (wild and domestic), and general land. use compatibility. Exposure to high noise levels can have a significant impact on human activity. health, and safety.

Public Trespassing

This factor addresses public trespassing, either purposeful or unintentional, note a military installation. The potential for trespassing increases when public use areas are in close proximity to the installation.



Roadway Capacity

Roadway capacity relates to the ability of existing freeways, highways, arterials, and other local roads to provide adequate mobility and access between military installations and their surrounding communities.



SA Safety zones are areas in which development should be more restrictive due to the higher risks to public safety, issues to consider include accident potential zones, weapons firing range safety zones, and explosive safety zones.

SNR Scarce Natural Resources

Pressure to gain access to valuable natural resources (such as oil, natural gas, minerals, and water resources) located on military installations, within military training areas, or on public lands historically used for military operations can impact land utilization and military operations.



Vertical Obstructions

Vertical obstructions are created by buildings, trees, structures, or other features that may encroach into the navigable airspace used for military operations (aircraft approach, transitional, inner horizontal, outer horizontal. and conical areas, as well as military training routes). These can present a safety hazard to both the public and military personnel.

Vibration is an oscillation or motion that alternates in opposite directions and may occur as a result of an impact, explosion, noise, mechanical operation, or other change in the environment. Vibration may be caused by military and/or civilian activities.

Water Quality/ WUQ Quantity

Water quality / quantity concerns include the assurance that adequate water supplies of good quality are available for use by the installation and surrounding communities as the area develops. Water supply for agricultural and industrial use is also considered.



Issue Identification

Issues were identified through:

- Technical expertise / experience
- Data research
- Interviews with local stakeholders
 - Jurisdictions
 - Military
 - Agencies
 - Organizations
- Policy Committee / Technical Working Group inputs
- Public inputs

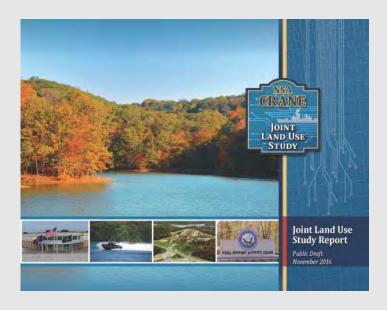




JLUS Report

Six Chapters

- 1. Introduction
- 2. Community Profile
- 3. Military Profile
- 4. Existing Compatibility Tools
- 5. Compatibility Assessment
- 6. Implementation Plan (Recommended Strategies)



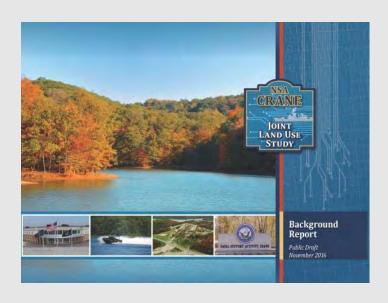




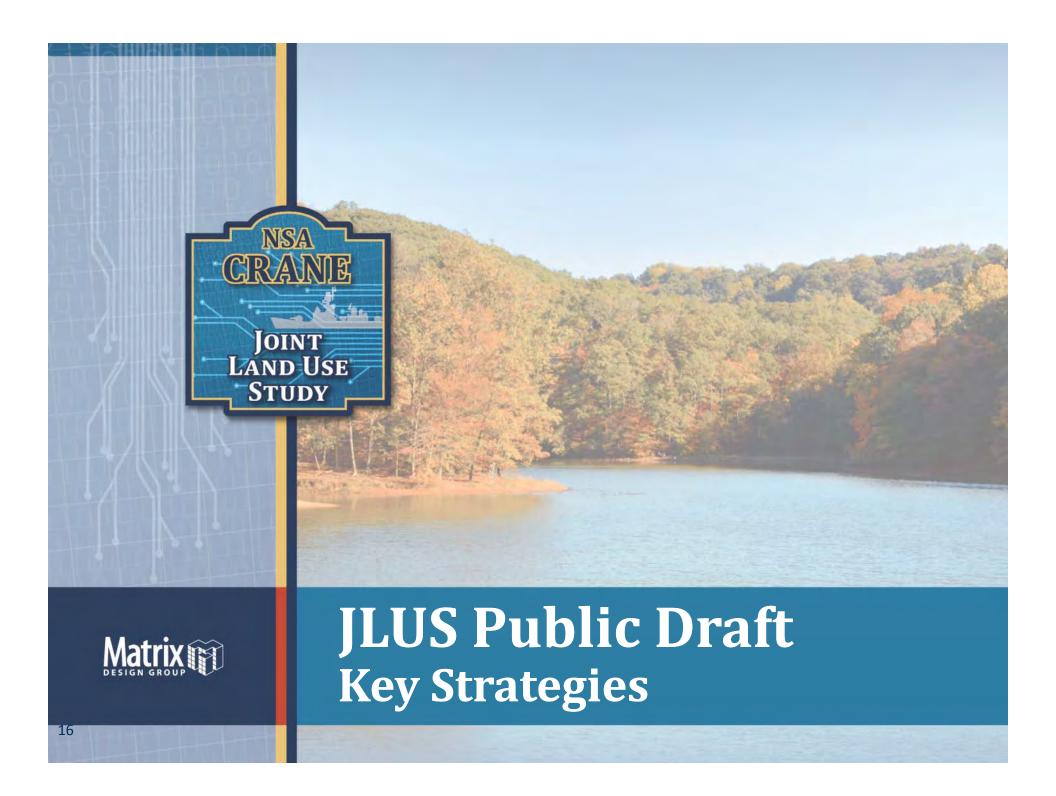
Background Report

Five Chapters

- 1. Introduction
- 2. Community Profile
- 3. Military Profile
- 4. Existing Compatibility Tools
- 5. Compatibility Assessment

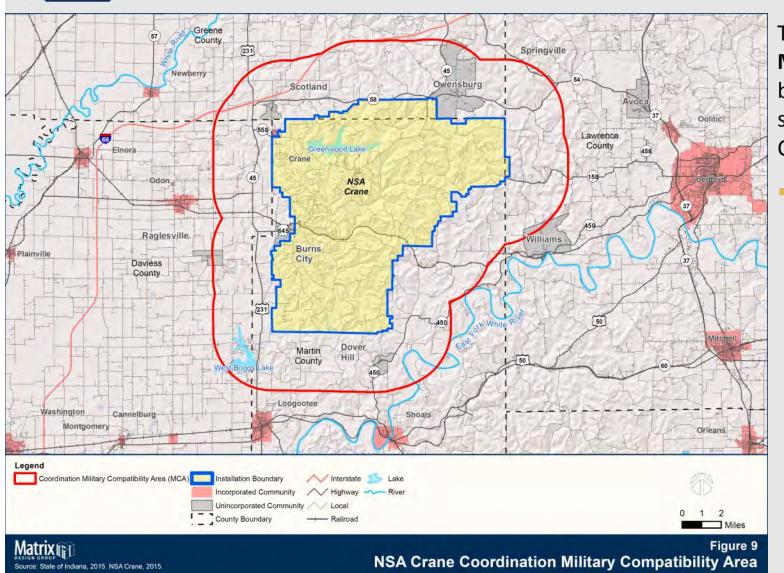








Key Strategies – Coordination MCA



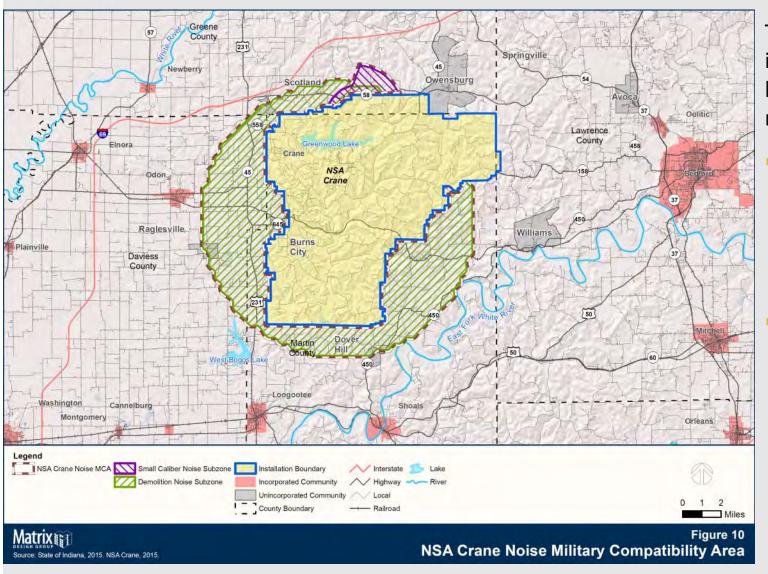
The **Coordination MCA** is a 3-mile buffer surrounding NSA Crane

 Notification requirements per Indiana Code (IC) §36-7-30.1-2





Key Strategies – Noise MCA



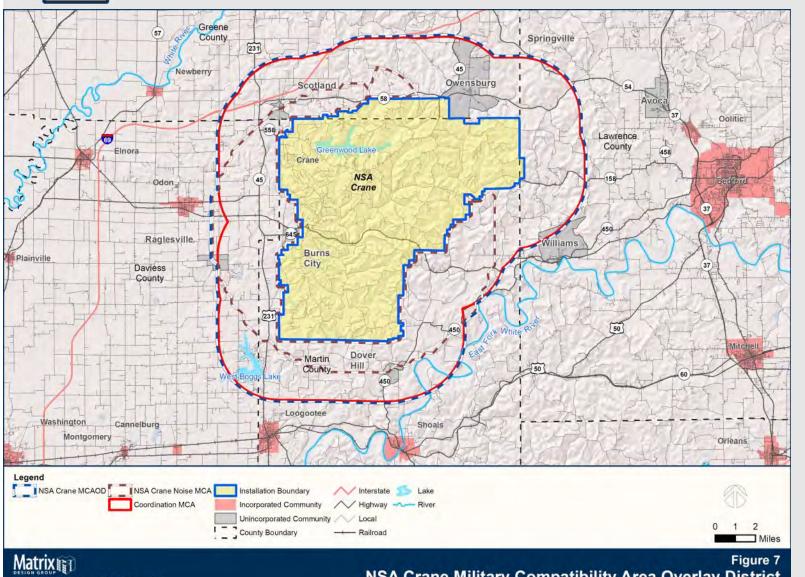
The **Noise MCA** includes all land located within the noise contours for:

- Small CaliberNoise Subzone:87-104 decibel(dB) PK15(met)range
- DemolitionNoise Subzone:115 dBPK15(met)peak blast





Key Strategies - MCAOD



The proposed **NSA Crane Military Compatibility Area Overlay District** (MCAOD) is an area that incorporates both the Noise and Coordination **MCAs**





Issue / Strategy ID #	Geographic Area	Strategy COMMUNICATION / COORDINATION	OO) Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-1A	Study Area	Establish a NSA Crane / Lake Glendora Test Facility JLUS Implementation Coordination Committee Establish a JLUS Implementation Coordination Committee to maintain efficient and effective coordination among the JLUS partners and to oversee the implementation of JLUS recommendations. The JLUS Implementation Coordination Committee should meet on a regular basis as agreed upon by the Committee and be responsible for establishing effective and timely means of communication for the purpose of coordinating and addressing compatibility concerns and issues. Consider committee membership from the JLUS Policy Committee as well as other community partners as deemed appropriate to maintain continuity and institutional project knowledge. Consider the formation of a technical subcommittee comprising Technical Working Group members to address technical aspects of the JLUS implementation. Other Primary Partners: Indiana Office of Community and Rural Affairs, Radius Indiana, City of Sullivan, Town of Shoals, Town of Crane, Indiana Office of Defense Development, Southern Indiana Development Commission	Short-Term									•





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-2A	NSA Crane Coordination MCA / LGTF Coordination MCA	Develop Memorandum of Agreement for Communications NSA Crane and Lake Glendora Test Facility should collaborate with local governments and economic development organizations to implement a Memorandum of Agreement that delineates lines of communication between jurisdictions, agencies and NSA Crane / Lake Glendora Test Facility leadership. Other Primary Partners: Indiana Office of Defense Development; Indiana Office of Community and Rural Affairs; Radius Indiana; City of Sullivan; Town of Crane; local economic development corporations, councils and commissions	Short-Term	•	•							•
COM-2B	NSA Crane Coordination MCA / LGTF Coordination MCA	Invite a NSA Crane Representative to Serve as a Non-Voting Member of Plan Commissions In an effort to continue a collaborative partnership, include in a Memorandum of Agreement between county and local governments and NSA Crane that allows NSA Crane to participate as a non-voting member on Plan Commissions to attend meetings and provide technical input on military compatibility issues. This strategy applies to any jurisdiction that establishes a Plan Commission in the future as indicated by the ◆symbol. Other Primary Partner: City of Sullivan	Short-Term	•	•	•	•	•				•





Issue / Strategy ID#	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-2C	NSA Crane Coordination MCA / LGTF Coordination MCA	Provide Mutual Briefings To perpetually enhance support and cooperation, and reinforce the partnership between NSA Crane / Lake Glendora Test Facility and Study Area jurisdictions, installation leadership should annually present a "state of the installation" briefing including strategic goals, operational changes, and proposed construction projects that may impact the jurisdictions to the Study Area county commissions and city councils. The counties and cities should provide annual briefings to NSA Crane / Lake Glendora Test Facility leadership of changes within the communities that may impact the installation including comprehensive plans, master plans, transportation plans, zoning, development projects, and capital improvement plans. Other Primary Partners: City of Sullivan, Town of Crane Other Partners: Indiana Office of Defense Development, Indiana Office of Community and Rural Affairs, Radius Indiana, Crane Army Ammunition Activity	Short-Term									





ID#	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
Coo MC	oordination CA / LGTF oordination CA	Designate and Formalize Points of Contact for Planning Consider a Memorandum of Agreement between the JLUS Study Area jurisdictions and NSA Crane / Lake Glendora Test Facility that formally designates and identifies the points of contact for jurisdictions and NSA Crane / Lake Glendora Test Facility. The point of contact should be an individual with knowledge of county and local governments and economic development initiatives, capable of relaying information between the jurisdictions and the military. Other Primary Partners: local economic development corporations, councils and commissions, and area cities and towns	Short-Term	•								
Coo MC	oordination CA / LGTF oordination CA	Formalize Coordination with NSA Crane / Lake Glendora Test Facility in Planning Documents County and local governments should formalize coordination procedures with NSA Crane / Lake Glendora Test Facility in planning documents including comprehensive plans and zoning ordinance to ensure community compliance with military notification procedures outlined in Indiana Code IC 36-7-30.1 and as amended from time to time. Other Primary Partners: Southern Indiana Development Commission, City of Sullivan, Town of Crane, other jurisdictions that may have incorporated area within the notification buffer in the future.	Short-Term	•	•	•	•	•		Mari	NIV	



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-4A	NSA Crane Coordination MCA	Identify Need for and Consider Executing a Mutual Aid Agreement for Law Enforcement Resources The local law enforcement agencies should consider collaborating with NSA Crane security forces to execute a mutual aid agreement that will provide for the coordination of law enforcement resources and identify opportunities for resource sharing and training.	Short-Term	•		•	•		•			
COM-6D	NSA Crane MCAOD / LGTF MCAOD	Communication on Detonations Testing NSA Crane / Lake Glendora Test Facility should communicate upcoming detonation activities to the public. Communication should take the form of formal media releases, eBlasts, website flash tickers, public service announcements, and radio / TV coverage to ensure the notification is in general circulation.	On-Going						•			





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-8B	NSA Crane Coordination MCA / LGTF Coordination MCA	Adopt Development Notification Checklist Jurisdictions should work with NSA Crane / Lake Glendora Test Facility to develop, adopt and implement a development notification checklist that will assist iurisdictions, developers, residents and the military with identifying development types that could potentially be incompatible with the NSA Crane / Lake Glendora Test Facility missions. The checklist should define applicable development types and scales that warrant NSA Crane / Lake Glendora Test Facility review and include a map indicating the notification area. The checklist should be standardized for all jurisdictions to ensure consistency and eliminate interpretation in how, when and where the checklist is applied. The checklist could be used as a tool for a continuing dialog between local economic development organizations and the military and assist with early notification to developers. The checklist should not be regarded as a mechanism to approve or deny development but should be formally adopted by county commissions and city councils to acknowledge and endorse its use. Other Primary Partners: local economic development corporations, councils and commissions; City of Sullivan; Town of Crane	Short-Term									



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT
COM-8C	NSA Crane Coordination MCA / LGTF Coordination MCA	Formalize NSA Crane / Lake Glendora Test Facility in Development Reviews Revise codes to include NSA Crane / Lake Glendora Test Facility in the review process for development applications per the Checklist established in Strategy COM-8B and Indiana Code Section 36-7-30.1-2. Include procedures for military notification and timeframes for review to support a proactive approach for identifying and mitigating potential military incompatibilities. Code provisions should specify: Opportunities for the military to provide technical input and assistance to local jurisdictions to support discussion of projects and potential compatibility issues Defining project types that require military review Identification of the Points of Contact in the development review process Formal procedures for transmitting applications to NSA Crane / Lake Glendora Test Facility Formal procedures for requesting and receiving comments Timeline for military responses considering review timeframes specified by state law and local procedures Notification to NSA Crane / Lake Glendora Test Facility on all public hearings related to development applications This strategy applies to any jurisdiction that establishes a Development Review process in the future as indicated by the symbol. Other Primary Partner: City of Sullivan	Mid-Term		•	•	•	•			



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-8D	NSA Crane Coordination MCA / LGTF Coordination MCA	Adopt Military Notification Procedures for Development Projects through Tax Abatement Process Jurisdictions without a planning regulatory framework should adopt formal requirements for notification and review of development by NSA Crane / Lake Glendora Test Facility per the Checklist identified Strategy COM-8B and Indiana Code Section 36-7-30.1-2. As part of the tax abatement application process require transmittal of a copy of the application to NSA Crane / Lake Glendora Test Facility at the time of application to ensure adequate review prior to the public hearing. Incorporate notification and review requirements per Indiana Code Section 36-7-30.1-2. Other Primary Partners: local economic development corporations, councils and commissions; Town of Crane	Short-Term			•						





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
COM-8F	NSA Crane Coordination MCA / LGTF Coordination MCA	Adopt Development Notification Procedures through State Building Permit Review Process Jurisdictions that employ the Indiana Department of Homeland Security Division of Fire and Building Safety to review and approve building permits should enter into a Memorandum of Agreement with the Division acknowledging that notification and review procedures for NSA Crane / Lake Glendora Test Facility are conducted as part of the Division review and approval of building permits in compliance with Indiana Code Section 36-7-30.1-2. Note: Requires legislative action to modify procedures for the Indiana Department of Homeland Security Division of Fire and Building Safety — see Strategy LEG-1B Other Primary Partners: Indiana Department of Homeland Security Division of Fire and Building Safety, Town of Crane	Short-Term			•						•





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
		HOUSING AVAILABILITY (HA)	_									
HA-1A	Study Area	Update Comprehensive Plans for Housing Jurisdictions should update their comprehensive plans to incorporate a housing element or housing vision, goals, and objectives that consider providing a variety of housing options to accommodate transient and permanent party military personnel.	Mid-Term	•	•	•	•					
HA-1B	Study Area	Develop Housing Plan Jurisdictions should develop a regional plan for housing that executes the housing vision, goals, and objectives identified per Strategy HA-1A. Other Partners: Indiana Office of Community and Rural Affairs; Radius Indiana; local economic development corporations, councils and commissions	Mid-Term		•	•						
HA-1C	Study Area	Evaluate "P4" Partnerships Investigate the feasibility of a local government / Navy / private development venture through public-public and public private partnerships to develop housing option for the military personnel. Other Primary Partners: local developers; Indiana Office of Defense Development; Indiana Office of Community and Rural Affairs; Radius Indiana; local economic development corporations, councils and commissions; WestGate Authority	Mid-Term	•	•	•			•	DESIGN		



Issue / Strategy ID #	Geographic Area	Strategy LAND USE (LU)	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
LU-1A	NSA Crane Coordination MCA	Update Comprehensive Plans for Military Compatibility Jurisdictions should update their comprehensive plans to incorporate provisions that integrate military compatibility planning with the future growth. Updates should include maps from NSA Crane per Strategy COM-1D and the Military Compatibility maps from the JLUS. Other Primary Partner: Town of Crane	Mid-Term	•	•	•	•					•
LU-1B	NSA Crane Coordination MCA	Amend Zoning Ordinance for Military Compatibility Amend the zoning ordinance to incorporate provisions and regulations that integrate military compatibility planning. Updates should include maps from NSA Crane per Strategy COM-1D and the Military Compatibility maps from the JLUS.	Mid-Term									





Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
LU-1C	NSA Crane Coordination MCA	Adopt Land Use in Three-Mile Military Notification Buffer Jurisdictions without land use planning should adopt land use controls specific to military compatibility within the three-mile military notification buffer in conjunction with Strategy LEG-1D. This guidance is intended to minimize conflicts between military installations and surrounding communities and should consider consultation with the installation command to determine the needs of the military installation with respect to questions of installation expansion and environmental impact; issues of installation safety, noise pollution, air pollution, electrical emissions; and potential for obstructed visibility or surveillance. Other Primary Partner: Town of Crane Other Partner: Crane Army Ammunition Activity	Mid-Term				•					•
LU-3A	NSA Crane Coordination MCA	Continue to Pursue Truck Travel Center Development Daviess and Greene counties should continue to pursue the development of a truck travel center near Interstate 69 interchanges to alleviate the uncontrolled overnighting of trucks across from the Town of Crane and provide professional drivers with amenities. Other Primary Partners: local developers; Indiana Office of Community and Rural Affairs; Radius Indiana; Daviess County Economic Development Corporation; Greene County Economic Development Corporation	On-Going	•	•							•

Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
		LEGISLATIVE INITIATIVES (LEG)									
LEG-1A	NSA Crane Coordination MCA / LGTF Coordination MCA	Amend Indiana Code Annotated Title 36, Article 7, Section 30.1 Planning and Zoning Affecting Military Bases The Indiana Legislature should amend IC 36-7-30.1 to improve on existing legislation for military compatibility. Consider appointing a committee to determine the most effective changes to clarify and enhance the compatibility language. At minimum the legislation should be amended to: Clarify that the code applies to permitting, in addition to planning and regulating Specify development types for coordination with the military so that it is focused on relevant plans and developments with the potential to adversely impact military operations Specify the form of notification required to ensure consistent interpretation and application across jurisdictions Specify that plans/ documentation is required that adequately explain the activity and location such that the military can provide informed feedback on any potential impact on their operations Provide for the ability to impose conditions, require modifications to eliminate or mitigate potential adverse impacts, or include a mediation process to resolve compatibility conflicts where other remedies cannot be applied Incorporate compliance enforcement provisions. This will require the identification of an appropriate state authority, procedures to track compliance and a progressive (stepped) framework to attain compliance, perhaps beginning with education and assistance. Other Partner: Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council	Mid-Term									



Issue / Strategy ID #	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
LEG-1B	NSA Crane Coordination MCA / LGTF Coordination MCA	Amend State Building Permit Review Procedures Amend Indiana Code 4-21.5-3-1 to require the Indiana Department of Homeland Security Division of Fire and Building Safety as the authority for building permits within counties not employing local building inspection program to notify a military installation of construction pursuant to IC 36-7-30.1. Amend Title 675 Indiana Administrative Code 12-10-6: Required Administrative Provisions to include a provision that no building permit would be issued that would cause a violation of IC 36-7-30.1.	Mid-Term									
		Other Partner: Indiana Department of Homeland Security Division of Fire and Building Safety; Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council										
LEG-1C	NSA Crane Coordination MCA / LGTF Coordination MCA	Consider State Funding Program Set Asides and Incentives for Rural Military Communities Amend the Rural Economic Development Fund and Indiana Main Street programs to include a set-aside for rural communities who host military installations and are subject to encroachment impacts including development constraints. Consider incentive criteria such as community actions which demonstrate ongoing commitment to military compatibility.	Long-Term							•		





Issue / Strategy ID#	Geographic Area	Strategy	Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other
LEG-1D	NSA Crane Coordination MCA / LGTF Coordination MCA	Designate State Areas of Interest Designate a three-mile boundary around military installations as "state areas of interest." Require jurisdictions to adopt planning guidance specific to compatibility with military installations for land within the three-mile boundary. Other Partners: Other Partner: Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council	Mid-Term									
		NOISE (NOI)										
NOI-3A	NSA Crane MCAOD / LGTF MCAOD	Increase Public Understanding of Noise Sources Increase community awareness of military overflight and operations throughout the entire NSA Crane / Lake Glendora Test Facility area of influence through the use of local media sources, newsletters, brochures, and annual outreach functions hosted by NSA Crane / Lake Glendora Test Facility in cooperation with each Study Area jurisdiction. Include information that there are other noise generating uses such as quarries and mines within the Study Area. Other Partners: City of Sullivan, Town of Crane, Indiana Office of Defense Development, Indiana Air National Guard	Long-Term						•			





Issue / Strategy O Strategy ID # Strategy WATER QUALITY / QUANTITY (WO		(O Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	Indiana Legislature	Indiana DOT	Other	
WQQ-2B	NSA Crane Coordination MCA	Consider Adopting Low Intensity Land Uses In conjunction with Strategies LEG-1D and LU-1C, consider adopting land use controls that stipulate low intensity land uses within the limited area of the Lake Greenwood Watershed to agriculture and residential uses. Consider adopting minimum lot sizes that conform to requirements for septic systems. Grandfather existing uses. Other Partners: Indiana Farm Bureau	Long-Term		•							





How to Provide Comments

Public input is essential to the success of the JLUS process and implementation

Comment Cards:

- Complete and...
 - hand it to us at the end of the Forum

Comment Sheet:

- Complete and...
 - Email, mail or fax to MattCrouch







How to Provide Comments

Email comments to:

mcrouch@ocra.in.gov

Mail comments to:

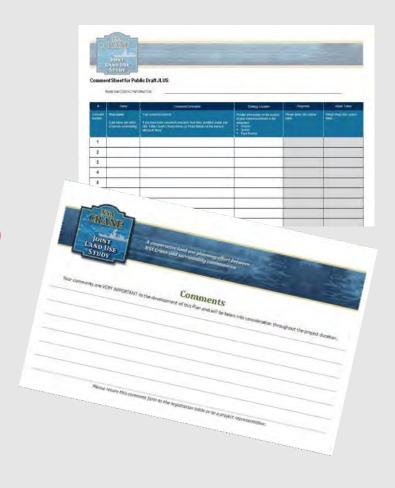
Mr. Matt Crouch

One N Capitol Avenue, Suite 600 Indianapolis, IN 46204-2027

Fax comments:

Attn: Matt Crouch, OCRA

317-233-3597



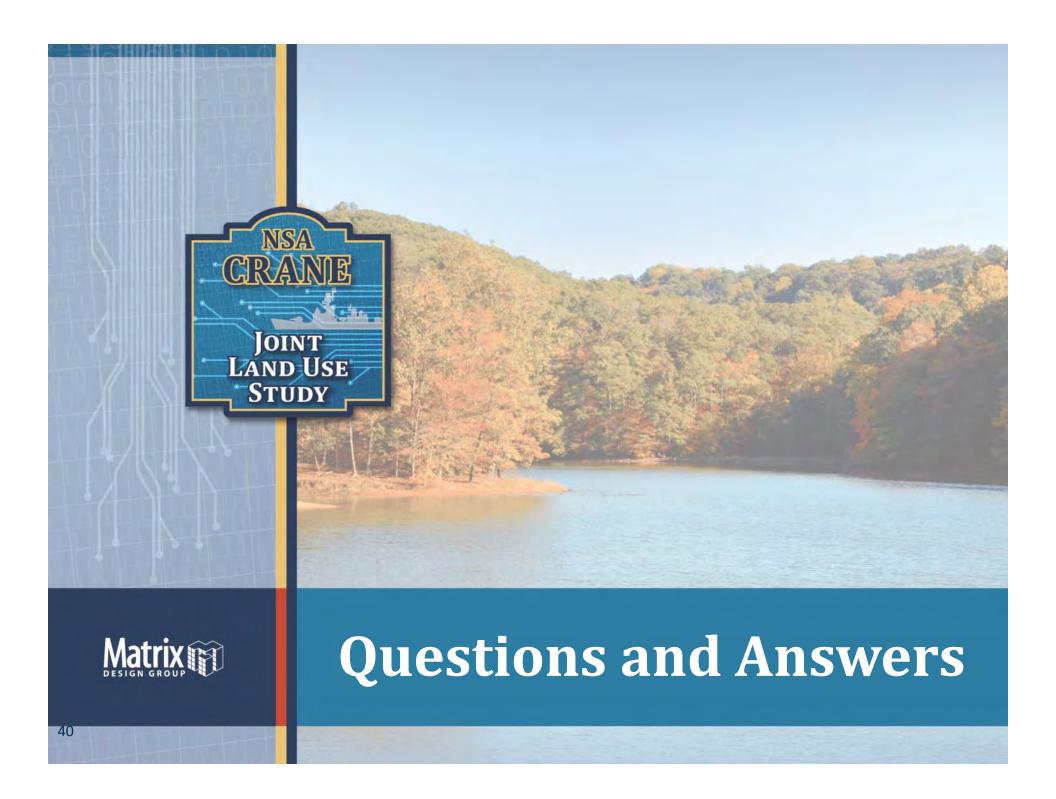






Next Steps

- 1. Public Draft Documents / Public Review Period is NOW through midnight December 1, 2016
 - JLUS Report
 - Background Report
- Review and revise JLUS per Public Comments / Committee approval
- 3. Acceptance by JLUS Policy Committee
- 4. Acceptance by JLUS Study Area jurisdictions
- 5. Implementation





Before leaving today's Forum please return your completed comment card to a project representative

Thank you for your attendance!



PUBLIC FORUM SIGN-IN SHEET

LOCATION:

DATE / TIME:

☐ LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

☐ WESTGATE ACADEMY, ODON, IN

SULLIVAN MIDDLE SCHOOL, SULLIVAN, IN

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Roberta Enopfield.	Sullivan	812-230-8748	8
Don Hoffeeld	1		
BJ& Jim Nowachi	Sullivan Ham. Tioshp	812-229-9797	elizabethnowacki@yahoo.com
Farry & Pat Sincell	Sullwar	812 - 397 - 5938	
Warne Jackson	Sallinger		
Jim Boes	Sallivan	812249 - 8570 HILG	\$ 6 boes jun 569 @ xohas com
Steve Martindale	Sullivan	812-236-1143	
Jarrod & Jennifer Let	- Sullivan	812-564-1236	
Ray EM Cammon	SULLIVEN	C12-249-36/	8
DAN WILLY	CRANE ARMY	81229608	
De Audi Male	Sullain	812-368-3009	
The Wally	Syllina	812-268-0500	brucewalkup agmail. Com



PUBLIC FORUM SIGN-IN SHEET

LOCATION:

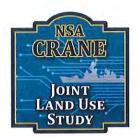
DATE / TIME:

☐ LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

☐ WESTGATE ACADEMY, ODON, IN

SULLIVAN MIDDLE SCHOOL, SULLIVAN, IN

NAME /TITLE	COMMUNITY	TELEPHONE #	E-MAIL
Tim Leonard	NSWE CRAWE	296-1980	
COR TIM CRADDOCK	NSA CRANT		
TODO WOODS	NSA CLANE	812 854-6997	
MATT CRAIS	RADIUS	812 34 6448	
Jim Pirtle	WSA Sullivan	812-268-6257	
Candace Hood	Sullivan	812-564-1934	
Blake Blann	Sullivan	812.241.9017	
JAMES RANDERSON	Sullivar	612-268-3667	
Rysty DECKARS	Sullivan	812243-454)	
Larry Ordner	Congressman Bucsi	lon	*
JA KILL	Sullivan	714.345-0255	
Luther Geltner	Sullwan	812:268-5777	



PUBLIC FORUM SIGN-IN SHEET

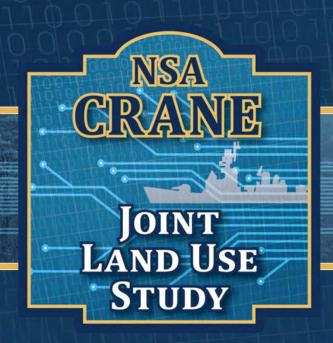
DATE / TIME:

LOCATION: LIFE TABERNACLE CHURCH, SPRINGVILLE, IN

☐ WESTGATE ACADEMY, ODON, IN

SULLIVAN MIDDLE SCHOOL, SULLIVAN, IN

Name /Title	COMMUNITY	TELEPHONE #	E-MAIL
Deone Weingh	COMMUNITY SUL. COUNTY COCINCIL	812-382-446	
V			
		8	



PUBLIC FORUM 3 Sullivan County

November 17, 2016

Matrix T



Today's Meeting

Agenda

- Welcome / Introductions
- JLUS Overview / Update
- Areas of Compatibility & Influence
- Public Draft JLUS Review and Comments

Meeting Objectives

- Provide an update on the JLUS process
- Provide overview of the DRAFT JLUS report
- Receive input on Draft compatibility issues



Project Team



Project Manager

Matt Crouch, EDFP

Indiana Office of Community and Rural Affairs

Phone: 317.750.7670

mcrouch@ocra.in.gov

Matrix Design Group

Patrick Small, AICP Project Manager

Celeste Werner, AICP
Deputy Project Manager

Abbie Woodruff Planner

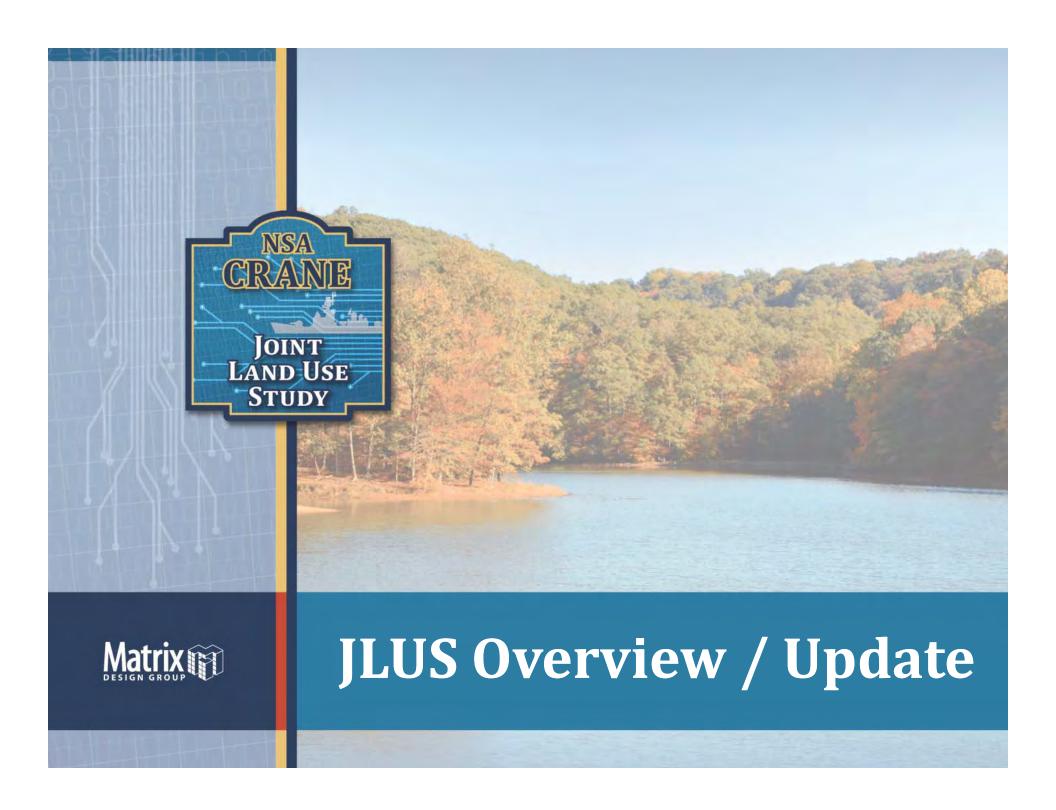






Who is Engaged in the JLUS?

	Participants	Responsibilities
Sponsor (Committee)	OCRA Radius Indiana IOOD NSA Crane	Coordination Accountability Grant Management Financial Contribution
Policy Committee	Elected & Appointed Officials NSA Crane Radius Indiana	Policy Direction Study Oversight Monitoring Report Adoption
Technical Working Group	Planning Staff Engineering Staff Technical Specialists Special Interests	Technical Issues Alternatives Report Development Recommendations
Public	All interested persons	Public Input Public Comments





Overview of JLUS

Goal: BALANCE

The goal of the NSA Crane JLUS is to promote compatible growth, sustain environmental and economic health, and protect public health / safety / welfare, while protecting the viability of current and future missions at NSA Crane and its Lake Glendora Test Facility.



Overview of JLUS

A JLUS IS NOT:

- a regulatory document
- an enforceable action

A JLUS IS:

- a study that defines appropriate actions for further consideration
- a collaborative document
- a body of information that assists in making more informed decisions
- Tailored to for each jurisdiction / agency

The JLUS will require follow on actions by all stakeholders, including public involvement to implement





JLUS Update

- ✓ Data collection
- ✓ Stakeholder interviews
- ✓ Identification of compatibility issues
- ✓ Assessment and prioritization of compatibility issues
- ✓ Identification of areas of concern
- Review and assessment of current processes and tools
- ✓ Develop appropriate strategies and tools
- ✓ Develop Draft JLUS document
- Public Review
- Develop Final JLUS document





Public Involvement Opportunities

Public input is essential to the success of the JLUS

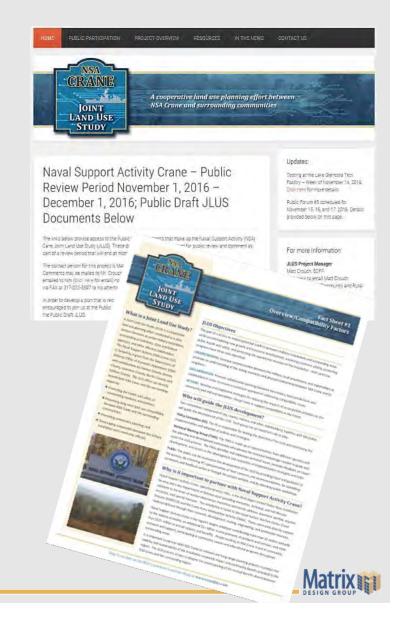
Public Forums – 3 sets

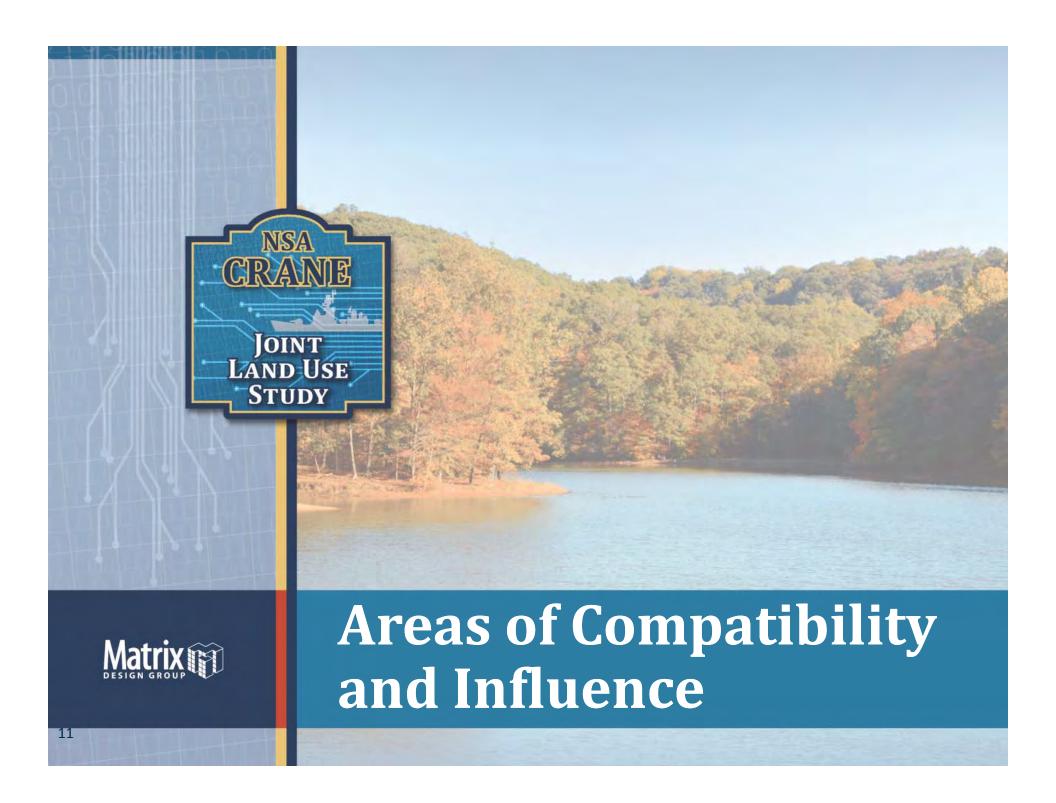
- Lawrence County
- Daviess, Greene, and Martin Counties
- Sullivan County

Project Website

www.cranejlus.com

Public Review Period







Compatibility Factors

NSA Crane Joint Land Use Study

What Is Compatibility?

Compatibility, in relationship to military readiness, can be defined as the balance and / or compromise between community and military needs and interests. The goal of compatibility planning is to promote an environment where both entities can coexist successfully. Study area data on existing conditions obtained from the PC, TWG, and public workshops will be analyzed to identify current and future compatibility issues. This analysis will also identify the influence of regulatory measures on land use decisions and will consider existing and projected development trends within the study area. The ILUS will study the following set of 25 potential compatibility factors to determine all pertinent issues.

Air Quality

Air quality is defined by numerous components that are regulated at the federal and state level. For compatibility, the primary concerns are pollutants that limit visibility (such as particulates, ozone, etc.) and potential non-attainment of air quality standards that may limit future changes in operations at the installation or in the area.



Anti Terrorism/ AT Force Protection

Anti-Terrorism / Force Protection (AT / FP) relates to the safety of personnel, facilities, and information on an installation from outside threats. Methods to protect the installation and its supportive facilities can impact offinstallation uses.

Biological Resources

Biological resources include federal and state listed species (threatened and endangered species) and the habitats they live in or utilize. These resources may also include areas such as wetlands and migratory corridors. that support these species. The presence of sensitive biological resources may require special development considerations and should be included early in the planning process.

Climate Adaptation

CA Climate adaptation is the effort to prepare for future climate changes resulting from natural factors and human activities that influence long-term atmospheric conditions. The effects may include fluctuations in sea levels, storm and tidal surges, and changes in flood potential which can present operational and planning challenges for the military and communities.



Communication/ Coordination

Communication / coordination relates to the level of interaction on compatibility issues among military installations, jurisdictions, land and resource management agencies, and conservation authorities.

CR Cultural Resources
Cultural resources may prevent

development, apply development constraints, or require special access by Native American tribes, other groups, or governmental regulatory authorities.



C Dust/Smoke/Steam

Dust results from the suspension of particulate matter in the air. Dust (and smoke) can be created by fire (controlled burns, agricultural burning, and artillery exercises), ground disturbance (agricultural activities, military operations, grading), industrial activities, or other similar processes. Dust, smoke, and steam are compatibility issues if sufficient in quantity to impact flight operations (such as reduced visibility or cause equipment damage).

Energy Development

Development of energy sources, including alternative energy sources (such as solar, wind, or biofuels) could pose compatibility issues related to glare (solar energy), vertical obstruction (wind generation), or water quality / quantity.

FSC Frequency Spectrum Capacity

In a defined area, the frequency spectrum is limited. Frequency spectrum capacity is critical for maintaining existing and future missions and communications on installations. This is also addressed from the standpoint of consumer electronics.

FSI Frequency Spectrum Impedance / Interference

Frequency spectrum impedance and interference refers to the interruption of electronic signals by a structure or object (impedance) or the inability to distribute / receive a particular frequency because of similar frequency competition (interference).

Housing Availability

Housing availability addresses the supply and demand for housing in the region. It also identifies the competition for shelter that may result from changes in the number of military personnel and the supply of military family housing provided by the installation.

Infrastructure Extensions

This factor covers the extension or provision of infrastructure (roads, sewer. water, etc.) in the vicinity of the installation. Infrastructure can enhance the operations of the installation by providing needed services. such as sanitary sewer treatment capacity and transportation systems. However, enhanced or expanded infrastructure could also encourage growth into areas near the installation that might not be compatible with current or future missions.



Fact Sheet #1: Overview / Factors

LAS Land/Air Spaces The military manages or uses

land and air space to accomplish testing, training. and operational missions. These resources must be available and of a sufficient size, cohesiveness, and quality to accommodate effective training and testing. Military and civilian air operations can compete for limited air space, especially when the airfields are in close proximity to each other. Use of this shared resource can impact future growth in operations for all users.

Land Use

The basis of land use planning relates to the government's role in protecting the public's health, safety, and welfare, County and local jurisdictions' growth policy/ general plans and zoning ordinances can be the most effective tools for avoiding, or resolving, land use compatibility issues. These tools ensure the separation of land uses that differ significantly in character. Land use senaration also applies to properties where the use of one property may impact the use of another. For instance, industrial uses are often separated from residential uses to avoid impacts related to noise, odors, lighting

LEG Legislative Initiatives Legislative initiatives are

federal, state, or local laws and regulations that may have a direct or indirect effect on a military installation to conduct its current or future mission. They can also constrain development potential in areas surrounding the installation.



This factor refers to man-made lighting (street lights, airfield lighting, building lights) and glare (direct or reflected light) that disrupts vision.

Light sources from commercial, industrial, recreational, and residential uses at night can cause excessive glare and illumination, impacting the use of military night vision devices and air operations. Conversely, high intensity light. sources generated from a military area (such as ramp lighting) may have a negative impact on the adjacent community:

Regulatory or permit requirements protecting marine and ocean resources can cumulatively affect the military's ability to conduct operations, training exercises, or testing in a water-based environment.

NOI Noise

From a technical perspective, sound is the mechanical energy transmitted by pressure waves in a compressible medium such as air. More simply stated, sound is what we hear. As sound reaches unwanted levels, this is referred to as noise. The central issue of noise is the impact, or perceived impact, on people. animals (wild and domestic), and general land. use compatibility. Exposure to high noise levels can have a significant impact on human activity. health, and safety.

Public Trespassing

This factor addresses public trespassing, either purposeful or unintentional, note a military installation. The potential for trespassing increases when public use areas are in close proximity to the installation.



Roadway Capacity

Roadway capacity relates to the ability of existing freeways, highways, arterials, and other local roads to provide adequate mobility and access between military installations and their surrounding communities.



SA Safety zones are areas in which development should be more restrictive due to the higher risks to public safety, issues to consider include accident potential zones, weapons firing range safety zones, and explosive safety zones.

SNR Scarce Natural Resources

Pressure to gain access to valuable natural resources (such as oil, natural gas, minerals, and water resources) located on military installations, within military training areas, or on public lands historically used for military operations can impact land utilization and military operations.



Vertical Obstructions

Vertical obstructions are created by buildings, trees, structures, or other features that may encroach into the navigable airspace used for military operations (aircraft approach, transitional, inner horizontal, outer horizontal. and conical areas, as well as military training routes). These can present a safety hazard to both the public and military personnel.

Vibration is an oscillation or motion that alternates in opposite directions and may occur as a result of an impact, explosion, noise, mechanical operation, or other change in the environment. Vibration may be caused by military and/or civilian activities.

Water Quality/ WUQ Quantity

Water quality / quantity concerns include the assurance that adequate water supplies of good quality are available for use by the installation and surrounding communities as the area develops. Water supply for agricultural and industrial use is also considered.



Issue Identification

Issues were identified through:

- Technical expertise / experience
- Data research
- Interviews with local stakeholders
 - Jurisdictions
 - Military
 - Agencies
 - Organizations
- Policy Committee / Technical Working Group inputs
- Public inputs

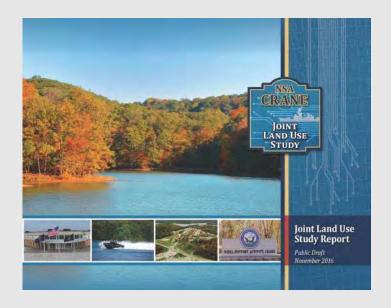




JLUS Report

Six Chapters

- 1. Introduction
- 2. Community Profile
- 3. Military Profile
- 4. Existing Compatibility Tools
- 5. Compatibility Assessment
- 6. Implementation Plan (Recommended Strategies)



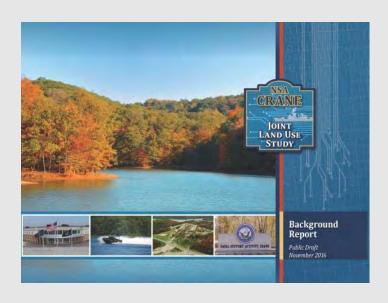




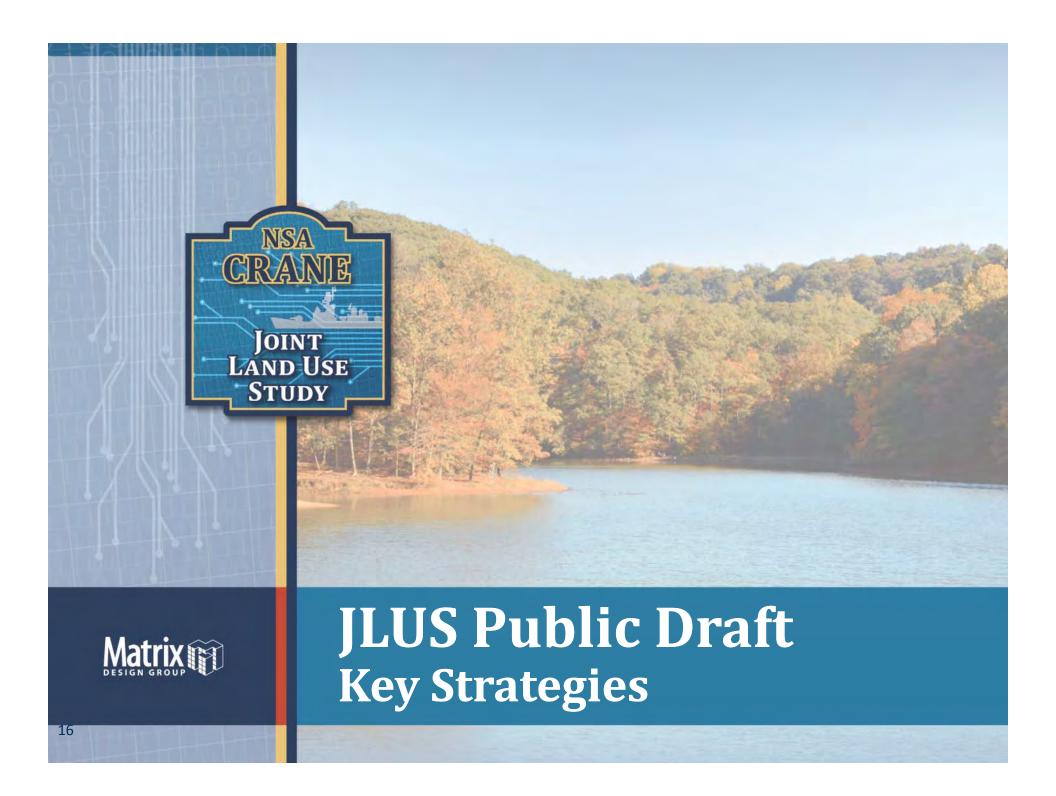
Background Report

Five Chapters

- 1. Introduction
- 2. Community Profile
- 3. Military Profile
- 4. Existing Compatibility Tools
- 5. Compatibility Assessment

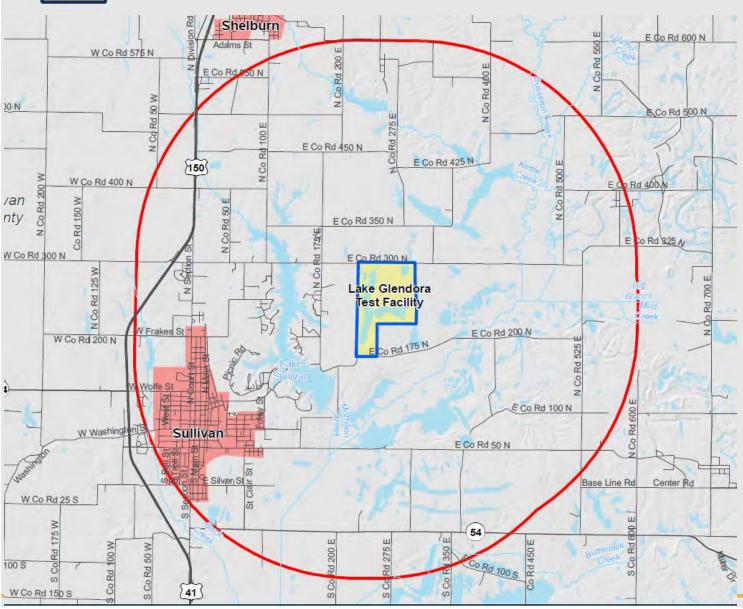








Key Strategies – Coordination MCA



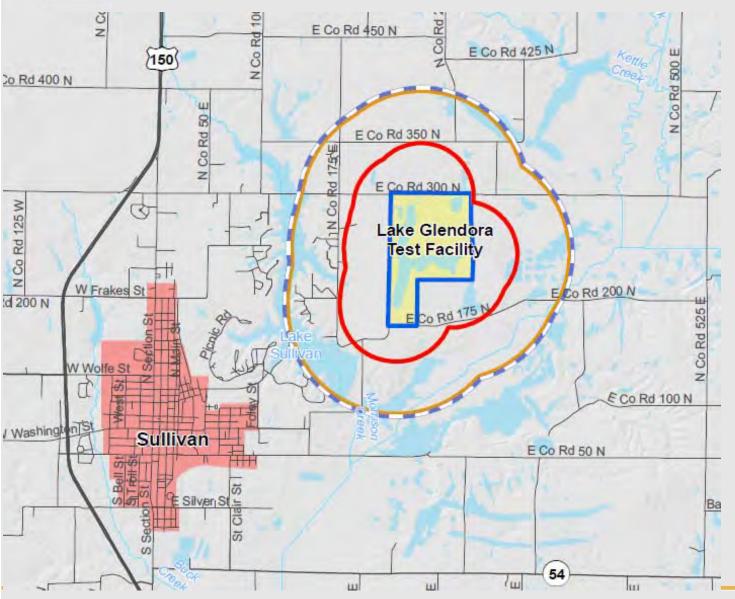
The **Coordination MCA** is a 3-mile buffer surrounding LGTF

Notification requirements of Indiana Code (IC) §36-7-30.1-2





Key Strategies – Noise MCA



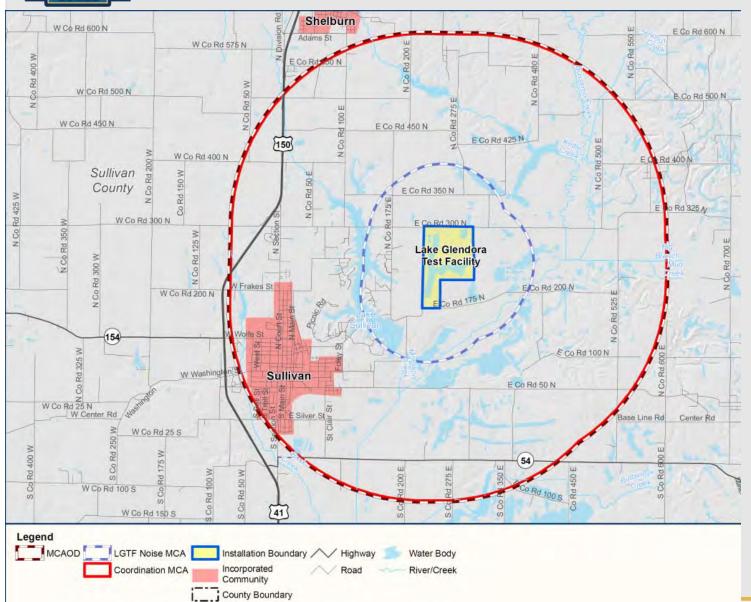
The **Noise MCA** includes all lands located within the noise contours for:

- ½ mile radiusNoise Contour
- 1 Mile radius
 Noise Contour





Key Strategies – MCAOD



The proposed
LGTF Military
Compatibility
Area Overlay
District
(MCAOD) is an area that incorporates both the Noise and
Coordination
MCAs



Issue / Strategy ID #	Geographic Area		Strategy		Timeframe	Daviess County	Greene County	Lawrence County	Martin County	Sullivan County	NSA Crane / LGTF	CAAA	Indiana Legislature	Indiana DOT	Other
COMMUNI COM-1	Public A		COM) ledge of NSA Crane / Lalucation of NSA Crane and			ongst t	he loc	al com	nmunit	ty.					
COM-1A	Study Area Establish a NSA Crane / LGTF JLUS Coordination Committee and effective coordination among the JLUS partners and to oversee the implementation of JLUS recommendations. The JLUS Coordination Committee should meet on a regular bas as agreed upon by the Committee and be responsible for establishing effective and timely means of communication for the purpose of coordinating and addressing compatibilit concerns and issues. Consider committee membership from the JLUS Policy Committee as well as other community partners as deemed appropriate to maintain continuity and institutional project knowledge. Consider the formation of a technical subcommittee comprising Technical Working Group membe to address technical aspects of the JLUS implementation. Other Primary Partners: Indiana Office of Community and Rural Affairs, Radius Indiana				Short-term					•					
Issue / Strateg ID: Alpha-num identifier used reference.	eric (Geographic Area: Geographic area where each trategy applies.	Strategy: Description of the strategy.		Timeframe: The expected initiation date for option		respo the p	nsible a	gencies agency	s. For e	xample Il take t	nd partr , the he lead artner a	denote in		1



Strategy

COMMUNICATION / COORDINATION (COM)

Establish a NSA Crane / Lake Glendora Test Facility JLUS Implementation Coordination Committee

Establish a JLUS Implementation Coordination Committee to maintain efficient and effective coordination among the JLUS partners and to oversee the implementation of JLUS recommendations. The JLUS Implementation Coordination Committee should meet on a regular basis as agreed upon by the Committee and be responsible for establishing effective and timely means of communication for the purpose of coordinating and addressing compatibility concerns and issues.

Consider committee membership from the JLUS Policy Committee as well as other community partners as deemed appropriate to maintain continuity and institutional project knowledge. Consider the formation of a technical subcommittee comprising Technical Working Group members to address technical aspects of the JLUS implementation.

Other Primary Partners: Indiana Office of Community and Rural Affairs, Radius Indiana, City of Sullivan, Town of Shoals, Town of Crane, Indiana Office of Defense Development, Southern Indiana Development Commission





Strategy

Develop Memorandum of Agreement for Communications

NSA Crane and Lake Glendora Test Facility should collaborate with local governments and economic development organizations to implement a Memorandum of Agreement that delineates lines of communication between jurisdictions, agencies and NSA Crane / Lake Glendora Test Facility leadership.

Other Primary Partners: Indiana Office of Defense Development; Indiana Office of Community and Rural Affairs; Radius Indiana; City of Sullivan; Town of Crane; local economic development corporations, councils and commissions

Invite a NSA Crane Representative to Serve as a Non-Voting Member of Plan Commissions

In an effort to continue a collaborative partnership, include in a Memorandum of Agreement between county and local governments and NSA Crane that allows NSA Crane to participate as a non-voting member on Plan Commissions to attend meetings and provide technical input on military compatibility issues.

This strategy applies to any jurisdiction that establishes a Plan Commission in the future as indicated by the ♦symbol.

Other Primary Partner: City of Sullivan





Strategy

Provide Mutual Briefings

To perpetually enhance support and cooperation, and reinforce the partnership between NSA Crane / Lake Glendora Test Facility and Study Area jurisdictions, installation leadership should annually present a "state of the installation" briefing including strategic goals, operational changes, and proposed construction projects that may impact the jurisdictions to the Study Area county commissions and city councils. The counties and cities should provide annual briefings to NSA Crane / Lake Glendora Test Facility leadership of changes within the communities that may impact the installation including comprehensive plans, master plans, transportation plans, zoning, development projects, and capital improvement plans.

Other Primary Partners: City of Sullivan, Town of Crane

Other Partners: Indiana Office of Defense Development, Indiana Office of Community and Rural Affairs, Radius Indiana, Crane Army Ammunition Activity





Strategy

Designate and Formalize Points of Contact for Planning

Consider a Memorandum of Agreement between the JLUS Study Area jurisdictions and NSA Crane / Lake Glendora Test Facility that formally designates and identifies the points of contact for jurisdictions and NSA Crane / Lake Glendora Test Facility. The point of contact should be an individual with knowledge of county and local governments and economic development initiatives, capable of relaying information between the jurisdictions and the military.

Other Primary Partners: local economic development corporations, councils and commissions, and area cities and towns

Formalize Coordination with NSA Crane / Lake Glendora Test Facility in Planning Documents

County and local governments should formalize coordination procedures with NSA Crane / Lake Glendora Test Facility in planning documents including comprehensive plans and zoning ordinance to ensure community compliance with military notification procedures outlined in Indiana Code IC 36-7-30.1 and as amended from time to time.

Other Primary Partners: Southern Indiana Development Commission, City of Sullivan, Town of Crane, other jurisdictions that may have incorporated area within the notification buffer in the future.





Strategy

Establish an "Official" Public Notification Protocol to Jurisdictions

NSA Crane / Lake Glendora Test Facility should establish an official public notification protocol to inform the community leaders in advance of detonation activities so the community can inform their residents. The protocol should consider the following:

- Best method to use, e.g. email, phone, media releases, to maximize outreach,
- Agreed upon timeframe for advance notification,
- Information about the activity and its duration,
- Information about impacts if other than noise, and
- A contact number for the installation.

Jurisdiction Notification to the Public

Based on the notification protocol from NSA Crane / Lake Glendora Test Facility in Strategy COM-6A, establish an official and routine public notification protocol to inform residents in advance of detonation activities at NSA Crane / Lake Glendora Test Facility. Consider methods to maximize outreach, e.g. county and city government meetings, government offices, county and city websites, county and city social media sites.

Other Primary Partners: City of Sullivan, Town of Crane





Strategy

Communication on Detonations Testing

NSA Crane / Lake Glendora Test Facility should communicate upcoming detonation activities to the public. Communication should take the form of formal media releases, eBlasts, website flash tickers, public service announcements, and radio / TV coverage to ensure the notification is in general circulation.

Jurisdiction Procedures for Noise Complaints

Jurisdictions should adopt coordinated and formal procedures for noise complaints lodged by residents to jurisdiction authorities to ensure complaints are officially documented, conveyed to NSA Crane and the Lake Glendora Test Facility, and that there is appropriate feedback to close the loop with the complainant.

Other Primary Partners: City of Sullivan, Town of Crane, and other area cities and towns





Strategy

Adopt Development Notification Checklist

Jurisdictions should work with NSA Crane / Lake Glendora Test Facility to develop, adopt and implement a development notification checklist that will assist jurisdictions, developers, residents and the military with identifying development types that could potentially be incompatible with the NSA Crane / Lake Glendora Test Facility missions.

The checklist should define applicable development types and scales that warrant NSA Crane / Lake Glendora Test Facility review and include a map indicating the notification area. The checklist should be standardized for all jurisdictions to ensure consistency and eliminate interpretation in how, when and where the checklist is applied. The checklist could be used as a tool for a continuing dialog between local economic development organizations and the military and assist with early notification to developers. The checklist should not be regarded as a mechanism to approve or deny development but should be formally adopted by county commissions and city councils to acknowledge and endorse its use.

Other Primary Partners: local economic development corporations, councils and commissions; City of Sullivan; Town of Crane





Strategy

Formalize NSA Crane / Lake Glendora Test Facility in Development Reviews

Revise codes to include NSA Crane / Lake Glendora Test Facility in the review process for development applications per the Checklist established in Strategy COM-8B and Indiana Code Section 36-7-30.1-2. Include procedures for military notification and timeframes for review to support a proactive approach for identifying and mitigating potential military incompatibilities. Code provisions should specify:

- Opportunities for the military to provide technical input and assistance to local jurisdictions to support discussion of projects and potential compatibility issues
- Defining project types that require military review
- Identification of the Points of Contact in the development review process
- Formal procedures for transmitting applications to NSA Crane / Lake Glendora Test Facility
- Formal procedures for requesting and receiving comments
- Timeline for military responses considering review timeframes specified by state law and local procedures
- Notification to NSA Crane / Lake Glendora Test Facility on all public hearings related to development applications

This strategy applies to any jurisdiction that establishes a Development Review process in the future as indicated by the \$\displaystructure{\displaystructure{1}}\$ symbol.

Other Primary Partner: City of Sullivan



Strategy

Adopt Military Notification Procedures for Development Projects through Tax Abatement Process

Jurisdictions without a planning regulatory framework should adopt formal requirements for notification and review of development by NSA Crane / Lake Glendora Test Facility per the Checklist identified Strategy COM-8B and Indiana Code Section 36-7-30.1-2.

As part of the tax abatement application process require transmittal of a copy of the application to NSA Crane / Lake Glendora Test Facility at the time of application to ensure adequate review prior to the public hearing. Incorporate notification and review requirements per Indiana Code Section 36-7-30.1-2.

Other Primary Partners: local economic development corporations, councils and commissions; Town of Crane





Strategy

Adopt Development Notification Procedures through Jurisdiction Building Permitting Process

City of Sullivan should adopt formal requirements through the building permit process for notification and review to the Lake Glendora Test Facility per the Checklist in Strategy COM-8B and Indiana Code Section 36-7-30.1-2. Adopt requirements that specify:

- Building project types that require military review
- Points of Contact in the building permit review process
- Formal procedures for transmitting building applications to the Lake Glendora Test Facility
- Formal procedures for requesting and receiving comments from the Lake Glendora Test Facility
- Timeline for military responses considering review timeframes specified by state law and local procedures

Other Primary Partner: City of Sullivan





Strategy

Adopt Development Notification Procedures through State Building Permit Review Process

Jurisdictions that employ the Indiana Department of Homeland Security Division of Fire and Building Safety to review and approve building permits should enter into a Memorandum of Agreement with the Division acknowledging that notification and review procedures for NSA Crane / Lake Glendora Test Facility are conducted as part of the Division review and approval of building permits in compliance with Indiana Code Section 36-7-30.1-2.

Note: Requires legislative action to modify procedures for the Indiana Department of Homeland Security Division of Fire and Building Safety – see Strategy LEG-1B

Other Primary Partners: Indiana Department of Homeland Security
Division of Fire and Building Safety, Town of Crane





Strategy

FREQUENCY SPECTRUM IMPEDANCE / INTERFERENCE (FSI)

Establish Procedures to Avoid Frequency Conflicts

The Lake Glendora Test Facility should coordinate with Sullivan County on review of projects with frequency requirements that could impact communications off-installation. The criteria that triggers coordination includes:

- Proximity to the Lake Glendora Test Facility
- Tower height
- Power emission from tower sources.
- High output transmission devices

Formalize Communication Procedures

Identify and convene a coalition of spectrum stakeholders to discuss use of frequencies and notification procedures for mitigating and troubleshooting possible service interruptions.

Other Primary Partners: Local wireless broadband providers, Indiana
Office of Technology





Strategy

LAND USE (LU)

Coordination on Infrastructure Planning

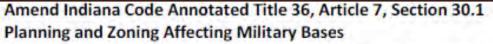
Notify and coordinate infrastructure expansion plans with the Lake Glendora Test Facility such as water and sewer extensions and transportation improvements. This coordination can be done in conjunction with Strategies COM-2A, COM-2B, COM-2C, COM-3B and COM-8A.





Strategy

LEGISLATIVE INITIATIVES (LEG)



The Indiana Legislature should amend IC 36-7-30.1 to improve on existing legislation for military compatibility. Consider appointing a committee to determine the most effective changes to clarify and enhance the compatibility language. At minimum the legislation should be amended to:

- Clarify that the code applies to permitting, in addition to planning and regulating
- Specify development types for coordination with the military so that it is focused on relevant plans and developments with the potential to adversely impact military operations
- Specify the form of notification required to ensure consistent interpretation and application across jurisdictions
- Specify that plans/ documentation is required that adequately explain the activity and location such that the military can provide informed feedback on any potential impact on their operations
- Provide for the ability to impose conditions, require modifications to eliminate or mitigate potential adverse impacts, or include a mediation process to resolve compatibility conflicts where other remedies cannot be applied
- Incorporate compliance enforcement provisions. This will require the identification of an appropriate state authority, procedures to track compliance and a progressive (stepped) framework to attain compliance, perhaps beginning with education and assistance.

Other Partner: Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council





Strategy

Amend State Building Permit Review Procedures

Amend Indiana Code 4-21.5-3-1 to require the Indiana Department of Homeland Security Division of Fire and Building Safety as the authority for building permits within counties not employing local building inspection program to notify a military installation of construction pursuant to IC 36-7-30.1.

Amend Title 675 Indiana Administrative Code 12-10-6: Required Administrative Provisions to include a provision that no building permit would be issued that would cause a violation of IC 36-7-30.1.

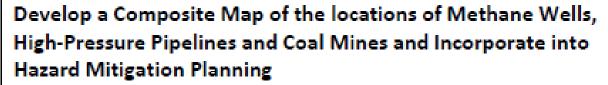
Other Partner: Indiana Department of Homeland Security Division of Fire and Building Safety; Indiana Office of Defense Development; Indiana Commission on Military and Veteran's Affairs; Indiana Military Base Council





Strategy





Through shared data from different sources, develop a composite map that identifies the locations of methane wells, high-pressure pipelines and active and abandoned coal mines. Incorporate the maps into hazard mitigation planning documents for the area.

Other Partners: Pipeline and Hazardous Materials Safety Administration, Mine Safety and Health Administration, Indiana Department of Homeland Security, Indiana Office of Technology

Coordinate with the Lake Glendora Test Facility

Sullivan County should use the composite map developed in Strategy SA-2A to coordinate with the Lake Glendora Test Facility regarding locations of wells, pipelines, and mines to ensure operations at the Lake Glendora Test Facility do not trigger impacts to these facilities / conveyances and conversely so that new development will not trigger impacts to wells and transport pipelines that could impact the mission at the Lake Glendora Test Facility.

Other Partner: City of Sullivan





How to Provide Comments

Public input is essential to the success of the JLUS process and implementation

Comment Cards:

- Complete and...
 - hand it to us at the end of the Forum

Comment Sheet:

- Complete and...
 - Email, mail or fax to MattCrouch







How to Provide Comments

Email comments to:

mcrouch@ocra.in.gov

Mail comments to:

Mr. Matt Crouch

One N Capitol Avenue, Suite 600 Indianapolis, IN 46204-2027

Fax comments:

Attn: Matt Crouch, OCRA

317-233-3597



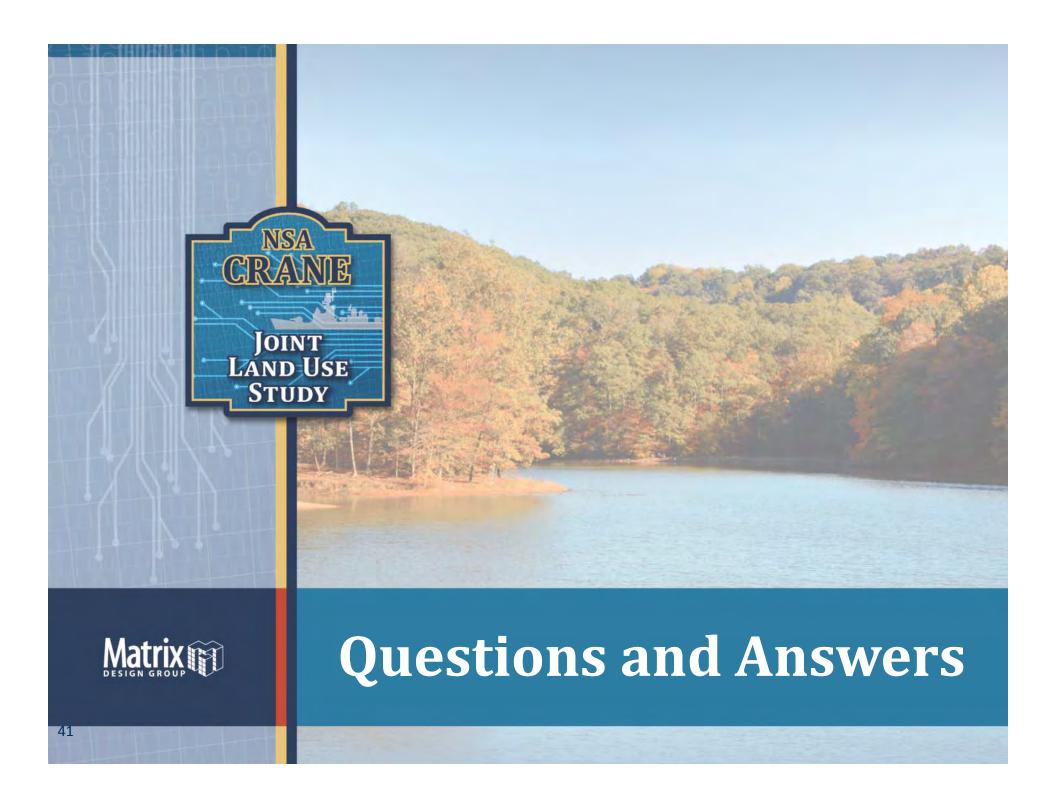






Next Steps

- 1. Public Draft Documents / Public Review Period is NOW through midnight December 1, 2016
 - JLUS Report
 - Background Report
- Review and revise JLUS per Public Comments / Committee approval
- 3. Acceptance by JLUS Policy Committee
- 4. Acceptance by JLUS Study Area jurisdictions
- 5. Implementation





Before leaving today's Forum please return your completed comment card to a project representative

Thank you for your attendance!



For Questions Contact:

Indiana Office of Community and Rural Affairs

Matt Crouch, EDFP, Project Manager One North Capitol, Suite 600 Indianapolis, IN 46204

Email: MCrouch@ocra.IN.gov

Phone: 317.750.7670

www.cranejlus.com





Naval Support Activity Crane JLUS Comments Received by Comment Card at Public Forum #3

Comment #	Public Comment				
Lawrence County Forum (November 15, 2016)					
1	No comments submitted at forum.				
Daviess, Greene, and Martin County Forum (November 16, 2016)					
2	I would suggest we pursue state legislative language to specifically clarify local planning jurisdictions have the option to appoint a non-resident Crane representative as a non-voting member of the local plan commission.				
3	Require that property splits/subdivisions in the MCA be recorded in the county auditors' and recorder' office with language that notes the presence of the MCA.				
Sullivan County Forum (November 17, 2016)					
4	Please consider the <u>positive</u> effect of the testing: vibration is a common method of making wet concrete more dense. Large vibrations may <u>cure</u> mine subsidence in the impacted area.				
5	Would it be possible to have pre-blast surveys done on structures by an independent surveyor prior to the next round of detonation studies? Will the government pick up cost? Would it be possible to get a small number of seismographs placed x amount of feet from detonation zone in 4 different directions to encompass wide study area?				
6	I would like to see more public forums with Crane facility.				
7	We need <u>compatible</u> communication with Naval Base personnel.				

Naval Support Activity Crane JLUS Comments Received by Comment Card at Public Forum #3

Comment #	Public Comment			
8	We need a US Navy interface.			
9	Noise, vibrations, cracks in our ceilings. We had our foundation redone. It's cracking and falling apart again. We live 1735 feet from Lake Glendora. Also my husband works swing shift and when testing is going on there is no sleep for him. Purchasing property at fair market value would help the problem.			
10	We need more information. It looks like a 50/50 deal – we give and you take.			
11	Comment: Warning- audible prior to detonation about 2-5 minutes in advance.			
12	Kitchen broke- came unglued- heavy blasting in June/July. Ceiling tile basement bathroom ruined. Pre-blasting survey of homes before next blasting begins? Who pays for our damage to ceiling in basement? Crane had chance to buy 5,000 acres before all of us moved in and built a house. Crane is a bad neighbor – support the military but want damage to my home paid. I want a reason for destroying our home. I want a real Crane person to show up to my house to discuss issues.			

