

# Collaborative Web Assets

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## Sharing Future Space Conference

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The logo for Duffy Consulting, featuring the text "DUFFY CONSULTING" in a white, sans-serif font inside a white oval, which is set against a black rectangular background.

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# Sustainable Planning: Ranges, Installations and Communities

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# What is Really Important Today?

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- Installations/bases need assistance to engage their neighboring communities to protect future test and training opportunities
- Collaborative web tools can help military installation/base and community planning teams work together to solve problems



# PONDS

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## Proactive Options with Neighbors for Defense Installation Sustainability



- Legislative authorities & actions
- Relevant national, regional and local data sources
- Case studies, lessons learned from partnering actions
- Expert resources
- Mitigation guidance
- Programs (JLUS, etc)

Installation  
Community  
Partnering

<http://ff.cecer.army.mil/ponds/home.htm>

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# PONDS

p o n d s

Proactive Options with Neighbors for Defense-installation Sustainability

[Search Database](#)   [Requirements](#)   [Land Use Initiatives](#)   [Organizations & Agencies](#)

The purpose of POND (Proactive Options with Neighbors for Defense-installation Sustainability) is to provide military installations and neighboring communities with a central information source for better understanding land use conflicts to avoid constraints to the mission and disruption to local communities. The web-based tool and database contains information on urban land use issues such as encroachment, water conservation, threatened and endangered species, and noise.

This site is an information sharing hub for DoD installations and neighboring communities who are seeking proven solutions for resolving land use conflicts. A searchable database allows users to find relevant case studies and articles related to land conflict resolutions and land mitigation strategies within and outside of DoD installations. The database contains case studies and examples from military installations, federal agencies, the private sector, and non-profit organizations as well as guidelines for mitigating land use situations.

WE NEED YOUR HELP! If you are aware of any case studies, guidelines or works in progress relating to land use conflicts and mitigation strategies we want to hear from you! The success of this database depends on the amount and quality of the material that's put into it. Please keep us abreast of the of your land use strategies.

[Click here to suggest a record to the database.](#)  
[Click here to provide a general comment or suggestion.](#)  
[Click here to send in website reviewer's comments.](#)

[POND Tech Note](#)  
[POND Briefing \(Powerpoint\)](#)

**FORT FUTURE**

- Search Database
- Requirements
- Land Use Initiatives
- Organizations & Agencies



# Search PONDS Database

ponds - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://ff.cecer.army.mil/ponds/casestudies.jsp> Go

## ponds

Proactive Options with Neighbors for Defense-installation Sustainability

[Search Database](#) [Requirements](#) [Land Use Initiatives](#)

### Case Studies and Guidelines Data Base

For best results choose a criterion for only one or two of the fields at one time leaving the remaining categories as the default "All". Narrowing the search too much may produce a "no records found" result. Click the Help button for more help.

Military:  All  Military  Non-Military

Region: All (451)

State Specific: All (224)

Study Type: All (459)

Topic: All (452)

Stakeholder: All (333)

Mitigation Strategies: All (247)

Select from pick list or click map to select region only

Search by:

- All/Military/Non-Military
- Regions
- State
- Study Type
- Topics
- Stakeholders
- Mitigation Strategies



# PONDS Search Results

**ponds**  
Proactive Options with Neighbors for Defense-installation Sustainability

Case Studies & Guidelines   Requirements   Land Use Initiatives   Organizations & Agencies

## Search Case Studies Database

Select Record

Article Titles:

- [New Research on Population, Suburban Sprawl, and Smart Growth](#)
- [Getting to Smart Growth: 100 Policies for Implementation](#)
- [Measuring Sprawl and It's Impact](#)
- [Market-Based Policies for Reducing Sprawl: A Critical Overview](#)
- [Land Use Conflict: When City and Country Clash](#)
- [Where Do We Grow From Here? New Mission for Brownfields: Attacking Sprawl By Revitalizing Older Communities](#)
- [Who Sprawls Most? How Growth Patterns Differ Across the U.S.](#)
- [New Community Design to the Rescue: Fulfilling Another American Dream](#)
- [Planning for Smart Growth](#)
- [Military Installations Pressured by Sprawl](#)
- [State Strategies to Address Encroachment at Military Installations](#)

US Army Corps of Engineers



Searched on "Guidelines" and Topic = "Sprawl"

# PONDS Search Results

p o n d s

Proactive Options with Neighbors for Defense-installation Sustainability

[Search Database](#) [Requirements](#) [Land Use Initiatives](#) [Organizations & Agencies](#)

## Case Studies and Guidelines Data Base

Criteria for this search includes:

Article Title: Author:  
Stakeholder: All Study Type : Case Study  
Military: All Year: All Years State: Colorado Region: All  
Topic: All Mitigation Strategies: All

[Printer Friendly Version](#)

Select Article Title to Display:

- [Fort Carson Zero Hazardous Air Pollutants Five-Year Plan](#)
- [Colorado Heritage Report: Best Practices in Intergovernmental Agreements](#)
- [Colorado Heritage Report: Best Practices in Preservation of Open Spaces, Ranches and Farms](#)
- [Collector Street Traffic Calming: A Comprehensive Before-After Study](#)
- [Top 10 Reasons for No Public Use of Rocky Flats National Wildlife Refuge](#)
- [Rocky Flats Closure Project Summary](#)
- [Setting Cleanup Standards to Protect Future Generations](#)
- [Ordnance and Explosives Emergency Response at a CERCLA Site: An Environmental Compliance Perspective](#)
- [Modern Technology Speeds Cleanup at Rocky Flats](#)
- [2004 Annual Report](#)



US Army Corps  
of Engineers

Searched on “Colorado” and Study Type = “Case Study”

Engineer Research and Development Center

# Fort Future Website

The screenshot shows a Microsoft Internet Explorer browser window titled "Fort Future: Welcome - Microsoft Internet Explorer". The address bar displays "https://ff.cecer.army.mil/ff/home.do". The page features a header with the "FORT FUTURE" logo and a "Welcome" message. A navigation menu includes "home" and "You're not logged in.". The main content area is divided into several sections:

- Topics:** A sidebar menu with links for [Home](#), [Resources](#), and [Briefings](#).
- Welcome to Fort Future!**: A central section with a welcome message and a list of services:
  - Deployment simulation
  - Land use and encroachment analysis
  - Facility design support (Facility Composer)
  - Sustainable Design Advisor (for SPIRIT)
  - Risk analysis for siting of firing and training ranges
  - Sustainable Installation Regional Risk Assessment (SIRRA)
  - Proactive Options with Neighbors for Defense-installation Sustainability (PONDS)
- About Fort Future**: A section describing the research program's goals and the role of the U.S. Army Engineer Research and Development Center (ERDC).
- Technical Notes**: A section with a link to "Fort Future: Simulation and Modeling for Installation Transformation: Program Overview" (Acrobat PDF, 505 KB).
- Obtaining Access**: A section stating that a user account is required to access the site.



# SERM Website on EKO

The screenshot shows a Microsoft Internet Explorer browser window displaying the SERM website. The address bar shows <https://eko.usace.army.mil/fa/serm/>. The browser title is "Engineering Knowledge Online - Sustainability, Encroachment, and Room to Maneuver". The website header includes the EKO logo and the text "ENGINEERING KNOWLEDGE ONLINE™". A navigation menu contains links for "Security", "Pages", "Current Page", "Data", and "Reports". A search bar is located in the top right corner. The main content area features a sidebar on the left with links for "SERM Home", "Historic Growth", "Incompatible Land Use Solutions", "Installation Sustainability Indicators", "Land Use Evolution and Assessment", and "Library". The main content area has a breadcrumb trail: "EKO Home / Functional Areas of Installation Support / Sustainability - Encroachment - and Room to Maneuver / Sustainability, Encroachment, and Room to Maneuver". Below this is a welcome message: "Welcome to the Sustainability, Encroachment, and Room to Maneuver (SERM) home page, a resource for regional planning." The central text reads: "This site is for installation planners concerned with current and future incompatible land use (encroachment) issues." A bulleted list of services is provided: 

- Assess Sustainability and Encroachment**: Conduct national and regional scale assessments of sustainability and encroachment impacts on an installation's training/testing with respect to environmental, economic, social, infrastructure, and land use issues. The Sustainable Installations Regional Resource Assessment (SIRRA) is currently under development.
- Historic Growth Analyses**: Collect and portray historic and current trends in risk factors associated with urban growth.
- Urban Growth Modeling**: Simulate urban growth patterns in response to alternative regional investments in transportation and utilities and strategic changes in management and ownership of land and property rights.
- Incompatible land Use Approaches**: Working with local municipalities, counties, cities, and towns, develop and test alternative location of highways and access

 To the right of the text are several interactive tool icons: "Land Use Change Assessment (LUCA™)", "Project Urban Patterns", "Land Evolution and Assessment Model (LEAM™)", "Quantify Mission Impacts", "Military LEAM (mLEAM™)", "Future Military Use = f (regional land use trends & policies)", "Conduct Trend Analyses", "SIRRA™", "Compare & Assess Sustainability", "Develop Collaborative Solutions", and "PONDS™". A "Most Popular Items" section at the bottom lists: "Proactive Options with Neighbors for Defense-installation Sustainability: PONDS" and "Land Use Change Assessment (LUCA): Visualizing Past Urban Development". The browser's status bar at the bottom right shows "Trusted sites".



**Resource Map:  
State Initiatives Supporting Military  
Range Sustainability**

# Resource Map

- **Part of the Overall OSD Sustainable Ranges Initiative**
- **Includes Actions with a State Focus**
  - **Bills, Executive Orders, etc.**
  - **Actions as of August 2004 – in the process of being updated**
- **Over 200 Items Collected**
- **Links to full texts of bills, reports, Governors' and legislatures' websites**



# Resource Map

- Divided by State and into 9 categories:
  - State Military Committees
  - Enhanced Planning Communication & Notification
  - Enhanced Disclosure
  - Enhanced Planning or Zoning Restrictions
  - Money for Administration
  - Allocation of Resources (Money)
  - Studies
  - Open Space/Conservation Money
  - Miscellaneous



## State Initiatives Supporting Military Range Sustainability

States have taken many legislative and administrative actions to support the military mission within their borders. The various approaches are divided into nine different categories. The following map of the United States highlights each state with a color-coded dot icon for each of these categories.

The legislative and administrative actions can be accessed in two ways:

- 1) By State
- 2) By Category

**By State**  
Selecting a state will link to a summary of the state's efforts to support their military mission. Included in this summary are links to additional information such as the full text of the bills.

**By Category**  
Selecting a color-coded dot in the legend will link to all state legislative and administrative actions within that category. Actions that address more than one category will appear in all applicable categories. Additional links such as bill text are also accessible.

For a graphical representation please see "[USA Map](#)."

For a text only version please see "[Text Only Version](#)."

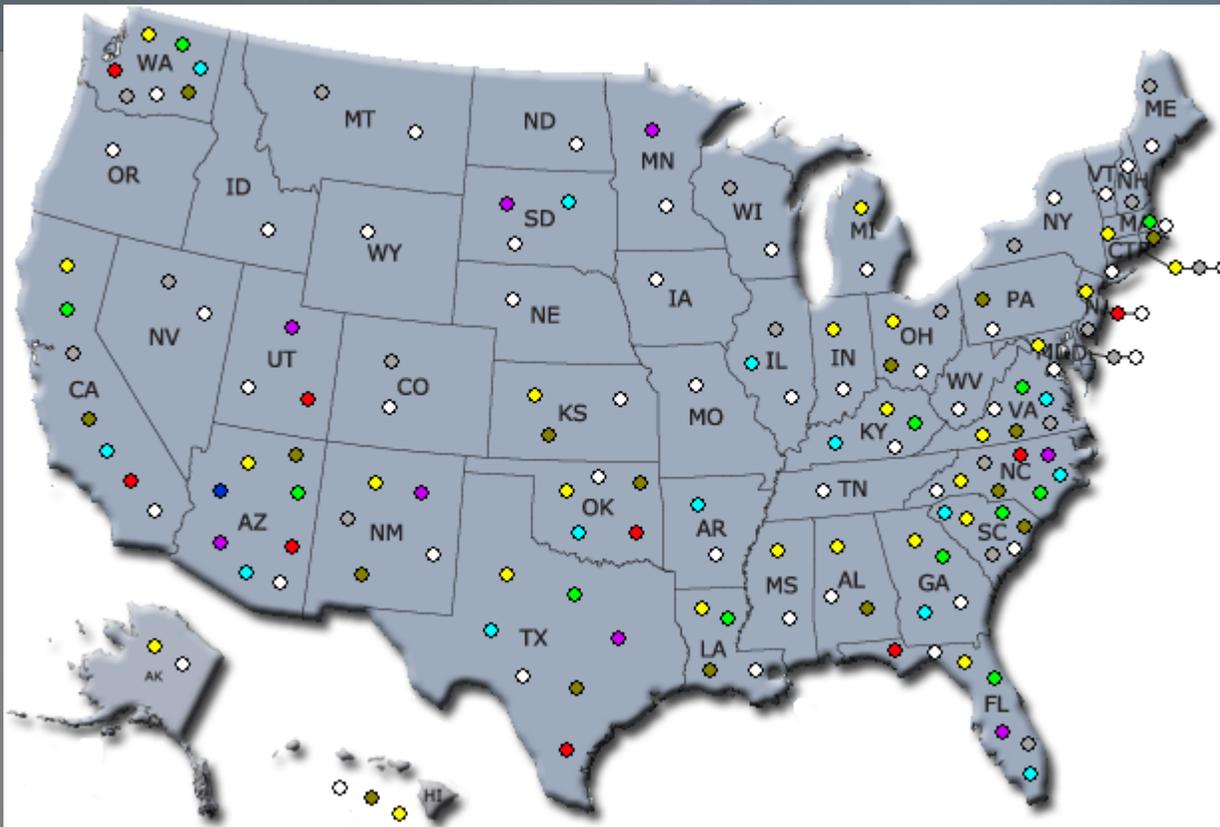
Contact [Amy Duffy](#) with any additions or updates.

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[What's New](#) · [Calendar](#) · [Publications](#) · [Component Policy](#) · [Legislation](#) · [Subject Areas](#)  
[DUSD\(I&E\) Prgrms](#) · [Training](#) · [Web Search](#) · [Document Index](#) · [Site Map](#) · [Contact Us](#)

[DENIX Public Menu](#) · [DOD Menu](#) · [State Menu](#) · [Internat'l Menu](#)





# Resource Map: State Initiatives Supporting Military Range Sustainability

## LEGEND

- |   |   |
|---|---|
| <span style="color: yellow;">●</span> <a href="#">State Military Committees</a>   | <span style="color: green;">●</span> <a href="#">Enhanced Planning Communication &amp; Notification</a> |
| <span style="color: blue;">●</span> <a href="#">Enhanced Disclosure</a>   | <span style="color: cyan;">●</span> <a href="#">Enhanced Planning &amp; Zoning Restrictions</a>         |
| <span style="color: olive;">●</span> <a href="#">Money for Administration</a>   | <span style="color: purple;">●</span> <a href="#">Allocation of Resources (Money)</a>                   |
| <span style="color: red;">●</span> <a href="#">Studies</a>  | <span style="color: grey;">●</span> <a href="#">Open Space / Conservation Money</a>                     |
| <span style="color: white; border: 1px solid black; border-radius: 50%; padding: 2px;">○</span> <a href="#">Miscellaneous</a> |   |

Available:  
[www.denix.osd.mil/SustainableRanges](http://www.denix.osd.mil/SustainableRanges)



# Range Commanders Council Sustainability Group

# RCC Mission & Purpose

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- Mission of the Range Commanders Council (RCC) is to serve *“the technical and operational needs of U.S. test, training, and operational ranges.”*
- The Sustainability Group (SG), founded in 2000, is one of many RCC workgroups.
  - Focus on outreach, land use, urban sprawl and other sustainability areas (i.e. air– and sea- space).

# Commander's Guide to Community Involvement

- Prepared by the RCC SG
- Purpose =
  - Provide Commanders information regarding the community
- Effective stakeholder involvement is key
- Brief document

**Available :**

[http://www.jcte.jcs.mil/RCC/manuals/Commanders\\_Guide/CG\\_comminvolv.pdf](http://www.jcte.jcs.mil/RCC/manuals/Commanders_Guide/CG_comminvolv.pdf)



## COMMANDER'S GUIDE COMMUNITY INVOLVEMENT

WHITE SANDS MISSILE RANGE  
KWAJALEIN MISSILE RANGE  
YUMA PROVING GROUND  
DUGWAY PROVING GROUND  
ABERDEEN TEST CENTER  
NATIONAL TRAINING CENTER  
ELECTRONIC PROVING GROUND

NAVAL AIR WARFARE CENTER WEAPONS DIVISION  
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION  
NAVAL UNDERSEA WARFARE CENTER DIVISION, NEWPORT  
PACIFIC MISSILE RANGE FACILITY  
NAVAL UNDERSEA WARFARE CENTER DIVISION, KEYPORT

30<sup>TH</sup> SPACE WING  
45<sup>TH</sup> SPACE WING  
AIR FORCE FLIGHT TEST CENTER  
AIR FORCE AIR ARMAMENT CENTER  
ARNOLD ENGINEERING DEVELOPMENT CENTER  
BARRY M. GOLDWATER RANGE

NATIONAL NUCLEAR SECURITY ADMINISTRATION (NEVADA TEST SITE)

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# Best Practices and Lessons Learned

Range Commanders Council (RCC) Sustainability Group (SG) initiated this effort to:

- Provide Cross-sharing of information
- Provide POC information for follow-up
- Increase the military's toolbox
- Increase awareness of potential sustainability/encroachment issues



## COMMANDER'S GUIDE BEST PRACTICES AND LESSONS LEARNED

WHITE SANDS MISSILE RANGE  
KWAJALEIN MISSILE RANGE  
YUMA PROVING GROUND  
DUGWAY PROVING GROUND  
ABERDEEN TEST CENTER  
NATIONAL TRAINING CENTER  
ELECTRONIC PROVING GROUND

NAVAL AIR WARFARE CENTER WEAPONS DIVISION  
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION  
NAVAL UNDERSEA WARFARE CENTER DIVISION, NEWPORT  
PACIFIC MISSILE RANGE FACILITY  
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# Input Received: (Partial Listing)

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- Army Northern Regional Environment Office
- Edwards AFB • Hill AFB • Luke AFB •
- Eglin AFB • MCAS Yuma • Nellis AFB •
- MCAS Cherry Point • Elmendorf AFB •
- Navy Region Southwest (DoD REC IX)
- Fort Bragg • NAVAIR Patuxent River •
- MCAS Barstow • Pacific Missile Range Facility
- Jefferson Range • Airburst Range •
- Southern California Range Complex •
- Utah Test & Training Range • 45<sup>th</sup> Space Wing
- Naval Air Warfare Center, Patuxent River •
- Western Maneuver Riverine Range
- White Sands •

# Best Practices and Lessons Learned Cover a Variety of Issues Including:

- Outreach • Airspace Protection •
- Consultation Methods • Military Forums •
- Proven Methods to Work with the Community •
- Range Management • Deed Restrictions •
- Range, Avigation and Operations Disclosure •
- Easements • Encroachment Team •
- Spectrum Encroachment • State Legislation •
- White Space • Zoning Ordinances •

# Overview of State Legislative & Administrative Actions

- Purpose: Provide the military an analysis of state legislative and administrative information available on the Denix website
- All references to a particular state were removed



## COMMANDER'S GUIDE OVERVIEW OF STATE LEGISLATIVE AND ADMINISTRATIVE ACTIONS

WHITE SANDS MISSILE RANGE  
KWAJALEIN MISSILE RANGE  
YUMA PROVING GROUND  
DUGWAY PROVING GROUND  
ABERDEEN TEST CENTER  
NATIONAL TRAINING CENTER  
ELECTRONIC PROVING GROUND

NAVAL AIR WARFARE CENTER WEAPONS DIVISION  
NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION  
NAVAL UNDERSEA WARFARE CENTER DIVISION, NEWPORT  
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BARRY M. GOLDWATER RANGE

NATIONAL NUCLEAR SECURITY ADMINISTRATION (NEVADA TEST SITE)

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# Needs

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- Military needs to continue efforts to work collaboratively at the local, state and regional levels.
- Need for additional resources to integrate information.
- Some military websites that are available to the public need to be more user friendly.
- With increased weapons footprint, need to provide information to a larger community.



# In Sum

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- Collaborative Web assets enable the military to obtain needed information.
  - Builds upon existing research and reports.
  - Provides consistent messages.
  - Advances efforts for all.
  - Helps to implement best practices nationally.
- Collaborative Web assets help provide local, state and regional entities with the information needed to make informed decisions.

