The REPI Interactive Map is a Web Mapping Application (WMA) which provides partners with geographic information system (GIS) representation of the information tracked as part of the REPI Program, including locations of all military installations with completed REPI transactions, and relevant information and resources for these projects (e.g. congressional districts, critical habitat, Sentinel Landscapes, National Conservation Easement Database information). This fact sheet is designed to help users navigate through the WMA and customize as needed.

Background: What is the REPI Program?
The Department of Defense's (DoD) Readiness and Environmental Protection Integration (REPI) Program is a key tool for combating the encroachment that can limit or restrict military training, testing, and operations. DoD created the REPI Program in response to the incompatible development and loss of habitat around its installations that can lead to restrictions or costly and inadequate training and testing alternatives.

The REPI Program consists of three integrated components: encroachment management projects, landscape partnerships, and stakeholder engagements. Each component is complementary and works with other mission sustainability programs to provide problem solving and decision-support tools for installations and their neighboring communities. For more information on the REPI Program, please visit: http://www.repi.mil.

REPI Interactive Map: The Basics
The REPI Interactive Map is an interactive WMA that provides open access to REPI data as well as other free, publicly available, national, authoritative data and information. It allows the user to view and query GIS data on REPI project locations, along with pertinent program data, policies, and fact sheets. The WMA is designed for users of all levels and provides the ability to tap into the REPI database to explore the data. Users have the ability to:

- View military installations with REPI projects and query them based on set criteria;
- Access REPI-specific funding and acreage information;
- Link to REPI buffer project fact sheets;
- Navigate to state policy options for supporting military installations and ranges;
- Visualize Sentinel Landscape natural and working lands;
- Visualize and analyze REPI partnership-specific data for Southeast Regional Partnership for Planning and Sustainability (SERPPAS) and Western Regional Partnership (WRP);
- Visualize and analyze other REPI partnership environmental and conservation-based data, such as USGS Protected Areas of the U.S. (PAD-U.S.), State Wildlife Action Plan Priority Areas, Fish and Wildlife Critical Habitat, Landscape Conservation Cooperatives (LCC) data;
- Research and customize REPI data for multiple installations at the local-, state-, and regional-level; and
- Zoom in to view boundaries of REPI installations and other DoD (non-REPI) installations.

Users can also customize the tools (widgets) to search and select REPI data, display charts of select projects, bookmark map locations, and print maps.
REPI Interactive Map: How Do I Use It?
The REPI Interactive Map has a series of widgets that allow the user to customize their view of available data. The following section walks through the functionality of the widgets.

A. Basemap Gallery: The Basemap Gallery widget allows the user to select a variety of maps to display as background such as Topographic, Street and Canvas views. By default, the Terrain with Labels base map is selected.

B. Print: The Print widget allows the user to export the map to PDF or another graphic format such as GIF.

C. Bookmark: The Bookmark widget allows the user to save the current mapping area to a bookmark so the user can access it later. Bookmarks are saved on the computer on which they were created. They are unique to the specific computer and browser will only be recognized on the same computer they originated from.

D. Layer List: The Layer List widget allows the user to turn individual map layers on and off, view layer legends, enable the data pop-up in the map, view the attributes table, zoom to the layer in the map, and change layer transparency.

  - Certain layers contain sublayers, which are additional layers grouped under one header. For example: The Sentinel Landscape layers - Expand each of the Sentinel Landscape layers to visualize the landscape components that create the larger boundary which defines the area.

E. Query: The Query widget allows the user to filter and visualize which REPI Projects meet specific parameters.
  - Users can query by the number of acres and/or the total funds expended to visualize those that meet those requirements across the country.
  - Users can spatially filter the query using the zoom-in or user-defined capabilities (e.g. drawing a defined area to search within) in the REPI Interactive Map.
  - The result in the REPI Interactive Map will be those Projects which meet that query criteria.

F. Chart: The Chart widget allows the user to search a defined area – zooming into the area in the map itself or drawing a defined area to search within – to visualize funding and acres protected at the installations found within the search parameters.

The REPI Interactive Map can be accessed at: http://www.repimap.org.