Unexploded_Ordnance

Tags

Unexploded Ordinance, UXO, FUDS, hazards; bombing; defense sites, Impact Sites, Department of Defense

Summary:

To show a geographical area were additional planning and Land Use development action needs to be taken in order to avoid injury or damage due to unexploded ordinances.

Feature Type: Polygon

Number of Records: 23

Publication Date: 2009-01-09

Date of Data (Temporal Period Extent): 2005-06-05

Extent: San Diego County

Extent in Longitude Latitude

North 33.364667
West -117.176786 **East** -116.092612
South 32.513387

Extent in the item's coordinate system

North 2076312.636283
West 6278690.071794 **East** 6609720.893287
South 1767819.636537

Description:

The contents of this dataset provides an inventory of Unexploded Ordinance (UXO) and Impact Areas within the County of San Diego's jurisdiction. The content includes a risk assessment for each site calculated by the Department of Defense.
Formerly Used Defense Sites (FUDS)
FUDS are real properties that were under the jurisdiction of the Secretary of Defense and owned by, leased by, or otherwise possessed by the United States. FUDS are located throughout the United States and in many cases the ownership

of these properties have been transferred to private individuals, corporations, state and local governments, federal agencies, and tribal governments. FUDS include, but are not limited to:
- Hazardous, toxic and radioactive waste (HTRW)
- Military munitions including munitions constituents
- Containerized HTRW;
- Building demolition and debris removal; and
- Potentially responsible party sites (Government shares burden with private entity).

USACE catalogs all FUDS properties in their site inventory[3], which details property locations, property number, and status of potentially hazardous findings. Once the property is confirmed as being formerly used by a defense agency, it is entered into the FUDS inventory. If contamination resulting from past Defense practices exists, an investigation must be conducted to determine the extent of the contamination and the appropriate response. Once these two phases are completed a cleanup process will begin to reduce the risk to human health and the environment, or to improve public safety. Cleanup activities are accomplished based on priority-sites posing the greatest risks are addressed first. There are approximately 146 FUDS in San Diego County including FUDS within incorporated cities. Some of these FUDS, whose history dates back to World War II, were military camps which included troop training and bombing ranges. Many FUDS have potential hazardous waste contamination problems such as disposal areas and leaking underground storage tanks. Other FUDS utilized practice rounds for training, and some FUDS used live munitions and explosives, known collectively as ordnance and explosives, or OE. The live munitions that were fired but did not detonate are known as unexploded ordnance, or UXO. The UXO that remain on FUDS properties today pose the greatest safety hazard to the public, if they are disturbed. Records for FUDS show that after the military used the property for military exercises an OE sweep was usually done and the property was then released for private and public use. However, history has shown that the OE sweeps were not completely effective and many OE and UXO remain on FUDS sites.

[3] Available online at
http://hq.environmental.usace.army.mil/programs/fuds/fudsinv/fudsinv.html

Credits:

County of San Diego, Planning & Development Services, LUEG-GIS Service.
Department of Defense

Use Limitation:

Topics and Keywords

Topic Categories: Military

Themes:

Unexploded Ordinance, UXO, FUDS, hazards; bombing; defense sites,
Impact Sites, Department of Defense, military.

Places:

County of San Diego, California

Resource Details:

Status: Completed
Type: Vector
Update Frequency: Not Planned
Next Update: Not specified

Spatial Reference System:

Type: Projected
Reference: GCS_North_American_1983
Projection: NAD_1983_StatePlane_California_VI_FIPS_0406_Feet

Identifier: 2230
Codespace: EPSG
Version: 7.11.2

Contacts:

Point of Contact

Gary Ross, Senior GIS Analyst
County of San Diego, Planning & Development Services, LUEG-GIS Service
5510 Overland Ave, Suite 310
San Diego, California. 921123

Gary.Ross@sdcounty.ca.gov
(858) 248-5629

Distributor

SanGIS
5510 Overland Ave, Suite 230
San Diego, California. 92123
SanGIS
webmaster@sangis.org
Phone:(858) 874-7000

Distribution Ordering Instructions:

Refer to SanGIS website (http://www.sangis.org/services/index.html) to obtain

further information on mapping and data extraction services available from SanGIS.

Fields:

Overview:

Inventory of Unexploded Ordinance (UXO) and Impact Areas within the County of San Diego's jurisdiction

DESCRIPTION is the described area of concern/impacts

CASE_ is a Numeric identifier. No further information available

NAME is the Military Camp or Area name

JURISDICTI is the Jurisidiction the unexploded ordinance is within

HZRD_PROBA is the Hazard Probability: Probability that a hazard has been or will be created due to the presence and other rated factors of unexploded ordnances or explosive materials on a formerly used DOD site. Based on a 30 point scale, 30 being the most intense

HZD_SEVERI is the Hazard Severity: Provides a qualitative measure of the worst credible mishap resulting from personnel exposure to various types and quantities of unexploded ordnance items. Maximum score 61.

RAC_RISK_A is the Risk Assessment Code: The cumulative score of both the Hazard Probability and the Hazard Severity scores. Sites are ranked on a one to four scale, one being the most at risk.

USE_ is the purpose of the impact area

ACREAGE is the surface extent of the feature area in U.S. Acres

CLEANUP is a note associated with cleanup effort, including year, if performed.

FORCE is Military Force.

COMMENTS are additional information

__FID (OID)
Internal feature number.

Shape (Geometry)
Feature geometry.

DESCRIPTIO (String)
CASE_ (Double)
CASE_ is a Numeric identifier. No further information available

NAME (String)
NAME is the Military Camp or Area name

JURISDICTI (String)
JURISDICTI is the Jurisidiction the unexploded ordinance is within (County

refers to Unincorporated County)
No further information available.

HZRD_PROBA (Double)

HZRD_PROBA is the Hazard Probability: Probability that a hazard has been or will be created due to the presence and other rated factors of unexploded ordnances or explosive materials on a formerly used DOD site. Based on a 30 point scale, 30 being the most intense.

HZD_SEVERI (Double)

HZD_SEVERI is the Hazard Severity: Provides a qualitative measure of the worst credible mishap resulting from personnel exposure to various types and quantities of unexploded ordnance items. Maximum score 61.

RAC_RISK_A (Double)

RAC_RISK_A is the Risk Assessment Code: The cumulative score of both the Hazard Probability and the Hazard Severity scores. Sites are ranked on a one to four scale, one being the most at risk.

USE_ (String)

USE_ is the purpose of the impact area

ACREAGE (Double)

ACREAGE is the surface extent of the feature area in U.S. Acres

PERIOD (String)

PERIOD is the years the area was in use

CLEANUP (String)

CLEANUP is a note associated with cleanup effort, including year, if performed.

FORCE (String)

FORCE is Military Force. No further information available

COMMENTS (String)

COMMENTS are additional information

Shape_Area (Double)

Area of feature in internal units squared.

SHAPE_LEN (Double)

Metadata Last Update: 2015-04-03
Regional GIS Data Warehouse (RGDW) Publication Stylesheet 1.4