

Sink Exercise (SINKEX) Area

Atlantic Fleet Training and Testing (AFTT) GIS metadata, 2009
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Prepared for:
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1. INTRODUCTION

An area where aircraft, ship, and submarine crews can deliver high-explosive ordnance on a seaborne target (usually a large deactivated vessel), which is deliberately sunk using multiple weapon systems. A sinking exercise is typically conducted by aircraft, surface ships, and submarines in order to take advantage of the ability to fire high-explosive ordnance on a full size ship target. The target is typically a decommissioned ship made environmentally safe for sinking according to U.S. Environmental Protection Agency standards. The location is greater than 50 nm from shore and in water depths greater than 6,000 ft.

2. PURPOSE

This data was created to assist the Navy in analysis, planning, and decision making purposes.

3. SOURCES AND AUTHORITIES

- Department of the Navy
- Contact the POCs below if planning activities in this area:

Fleet Area Control and Surveillance Facility, Virginia Capes
601 Oceana Blvd
Virginia Beach, VA 23460
757.433.1211
FFAECC@navy.mil

DoD Siting Clearinghouse
3400 Defense Pentagon, Room 5C646
Washington, DC 20301 - 3400
osd.dod-siting-clearinghouse@mail.mil

Naval Sea Floor Cable Protection Office
 Naval Facilities Engineering Command
 NAVFAC-OFP/C
 1322 Patterson Ave. SE Suite 1000
 Washington Navy Yard, DC 20374
 1-202-433-5325
 NSCPO@navy.mil

4. DATABASE DESIGN AND CONTENT

Native storage format: ArcGIS file geodatabase – simple feature class

Feature Types:

Polygons –

A geometric representation in polygon format of an area designated as a sink exercise, at sea training areas.

Data Dictionary:

Line	Name	Definition	Type	Size
1	OBJECTID	Sequential unique whole numbers that are automatically generated.	OBJECTID	4
2	SHAPE	Coordinates defining the features.	Geometry	*
3	SubTypeIdentifier	No definition available.	Integer	4
4	PKTmgID	Primary Key, a unique user defined identifier for each record or instance of an entity.	String	20
5	PKMapID	Foreign Key, used to link the record to the appropriate map.	Integer	4
6	FKMetaID	Foreign Key, used to link the record to the applicable feature level metadata record(s).	Integer	4
7	FKMediaID	Foreign Key, used to link the record to associated multimedia records that reference data such as imagery, video, audio, scanned documents, drawings, and other digital media.	String	20
8	FKCoordID	Foreign Key, used to link the record to the appropriate point coordinate record(s).	String	20
9	NumStruct	The number of buildings or other structures which exist on the range.	Small Integer	2
10	RngCntrl	The organization or agency controlling the range.	String	60
11	RngOffcr	The officer responsible for range and range safety.	String	20

12	RngStatus	The status of the range.	String	30
13	RngUseDOM	A descriptor for the use of the range.	String	16
14	MaxmgWep	The maximum range of weapons used on the range.	Double	8
15	WeapTypDOM	A descriptor for the weapon used.	String	16
16	MaxmgUOM	The unit of measure for the maximum range used above.	String	16
17	AreaSize	The size of the area, zone, or polygon in square units.	Double	8
18	AreaUOM	The unit of measure for area.	String	16
19	Perim	The distance around the boundary of the area, zone, or subject item in linear units.	Double	8
20	PerimUOM	The unit of measure for length.	String	16
21	UserFlag	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not effect the subject item's data integrity and should not be used to store the subject item's data.	String	20
22	FeatDesc	A brief description of the training area.	String	60
23	FKInstlnID	Foreign Key, used to link the record to the applicable INSTALLATION record.	String	20
24	FKFacilID	Foreign Key, used to link the record to the Facility Record.	String	20
25	GridValue	A numeric identification of a raster element in an image or grid that represents the feature.	Single	4
26	CoordX	The x component of individual coordinate point.	Double	8
27	CoordY	The y component of individual coordinate point.	Double	8
28	CoordZ	The z component of individual coordinate point.	Double	8
29	Narrative	A description or other unique information concerning the subject item, limited to 240 characters.	String	240
30	RngstatDOM	The status of the range.	String	16
31	CeilAlt	The ceiling altitude of the range.	Integer	4
32	FeatName	The name given to the range area.	String	30
33	SHAPE_Length	Length of feature in internal units.	Double	8
34	SHAPE_Area	Area of feature in internal units squared.	Double	8

Name of Feature Class: SINKEX

Total Number of Unique Features: 1

5. SPATIAL REPRESENTATION

Geometry Type: polygon

Reference System: Geographic Coordinate Reference System

Horizontal Datum: GCS_WGS_1984

Ellipsoid: WGS_1984

XY Resolution: 0.000002000000002

Tolerance: 0.000000001953125

Geographic extent: -75.82W to -68.50W, 36.80N to 30.00N