

Ship Shock Trial Area

Environmental Common Operating Picture (COP) GIS metadata
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Prepared for:
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1. INTRODUCTION

A location, which is not considered a Military Range, where ship shock trials (explosives are detonated underwater against surface ships) can be conducted and scheduled by military training units. Ship shock trials consist of a series of underwater detonations that propagate a shock wave through a ship's hull under deliberate and controlled conditions simulating near misses from underwater explosions. A representative ship from a new ship class is exposed to detonations to assess the ability of the ship and crew to withstand near-miss situations. Charges can be used in any combination during the execution of a shock trial.

2. PURPOSE

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

3. SOURCES AND AUTHORITIES

- National Geospatial-Intelligence Agency (NGA)
- United States Fleet Forces Range Complex Support Team
- Jacksonville Range Complex, Environmental Impact Statement
- Atlantic Fleet Training and Testing, Environmental Impact Statement
- 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 Training Area, but not considered a Military Range.

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	No definition available.	String	20
5	PKMapID	No definition available.	Integer	4
6	FKMetaID	No definition available.	String	20
7	FKMediaID	No definition available.	String	20
8	FKCoordID	No definition available.	String	20
9	OrdTypDOM	No definition available.	String	16
10	NumStruct	No definition available.	Small Integer	2
11	RndsFired	No definition available.	Integer	4
12	RngCntrl	No definition available.	String	60
13	TmgUntDOM	No definition available.	String	16
14	RngOffcr	No definition available.	String	20
15	RngStatus	No definition available.	String	30
16	TypRnds	No definition available.	String	25
17	RngUseDOM	No definition available.	String	16

18	MaxmgWep	No definition available.	Double	8
19	WeapTypDOM	No definition available.	String	16
20	WeapNum	No definition available.	Integer	4
21	MaxmgUOM	No definition available.	String	16
22	WeapUOM	No definition available.	String	16
23	AreaSize	No definition available.	Double	8
24	AreaUOM	No definition available.	String	16
25	Perim	No definition available.	Double	8
26	PerimUOM	No definition available.	String	16
27	MgtAcyDOM	No definition available.	String	16
28	UserFlag	No definition available.	String	20
29	FeatDesc	No definition available.	String	60
30	FKInstInID	No definition available.	String	20
31	FKFacilID	No definition available.	String	20
32	GridValue	No definition available.	Single	4
33	CoordX	No definition available.	Double	8
34	CoordY	No definition available.	Double	8
35	CoordZ	No definition available.	Double	8
36	TypeDOM	No definition available.	String	16
37	Narrative	No definition available.	String	240
38	RngstatDOM	No definition available.	String	16
39	EcagrgrDOM	No definition available.	String	16
40	FKPocID	No definition available.	String	50
41	LvfireDOM	No definition available.	String	16
42	RngType	No definition available.	String	20
43	AltUOM	No definition available.	String	16
44	CeilAlt	No definition available.	Integer	4
45	GenordDOM	No definition available.	String	16
46	OrdclsDOM	No definition available.	String	16
47	RangeNo	No definition available.	String	30
48	FeatName	No definition available.	String	30
49	Shape_Length	Length of feature in internal units.	Double	8
50	Shape_Area	Area of feature in internal units.	Double	8

Name of Feature Class: training_area

Total Number of Unique Features: 37

5. SPATIAL REPRESENTATION

Geometry Type: polygon

Reference System: Geographic Coordinate Reference System

Horizontal Datum: GCS_WGS_1984

Ellipsoid: WGS_1984

XY Resolution: 0.00000001
Tolerance: 0.00000008983153

Geographic extent: -97.64W to -45.00W, 65.00N to 17.50N