NUWCDIVNPT Testing Range Boundary

Atlantic Fleet Training and Testing (AFTT) GIS metadata, 2009
Finalized 04/15/2016

Prepared for:
Naval Facilities Engineering Command (NAVFAC) Atlantic
6506 Hampton Boulevard
Norfolk, Virginia 23508-1278

Prepared by:
Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086

1.   INTRODUCTION

The Naval Undersea Warfare Center Division, Newport (NUWCDIVNPT) Testing Range consists of waters within Narragansett Bay, nearshore waters of Rhode Island Sound, Block Island Sound, and coastal waters of New York, Connecticut, and Massachusetts. The Testing Range located near NUWCDIVNPT is an area used for research, development, test, and evaluation of Undersea Warfare systems, and, as necessary, to support other Navy and Department of Defense (DoD) operations. The NUWCDIVNPT testing range focuses on the undersea aspects of warfare and is therefore structured to test systems such as torpedoes and unmanned underwater vehicles, and contains several sea space restricted areas.

2.   PURPOSE

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

3.   SOURCES AND AUTHORITIES

- Naval Undersea Warfare Center (NUWC)
- Code of Federal Regulations, 40 CFR 266.201
- Atlantic Fleet Training and Testing, Environmental Impact Statement
- National Geospatial-Intelligence Agency (NGA)
- 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 the Naval
Undersea Warfare Center Division, Newport (NUWCDIVNPT) Testing Range.

Data Dictionary:

Line	Name	Definition	Type	Size
1	OBJECTID	Uniquely identifies a feature.	OBJECTID	*
2	SHAPE	Feature geometry coordinates.	Geometry	*
3	SHAPE_Length	Length of feature in internal units.	Double	*
4	SHAPE_Area	Area of feature in internal units squared	Double	*
5	SubTypeIdentifier	Subtype identifier number of the features.	Integer	4
6	PKTrngID	Primary Key. A unique, user defined identifier for each record or instance of an entity.	Char	20
7	PKMapID	Foreign Key. Used to link the record to the appropriate map.	Integer	20
8	FKMetaID	Foreign Key. Used to link the record to the applicable feature level metadata record(s).	Char	4
9	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.	Char	20
10	FKCoordID	Foreign Key. Used to link the record to the appropriate point coordinate record(s).	Char	20

11	NumStruct	The number of buildings or other structures which exist on the range.	Integer	2
12	RngCntrl	The organization or agency controlling the range.	Char	60
13	RngOffcr	The officer responsible for range and range safety.	Char	20
14	RngStatus	The status of the range.	Char	30
15	RngUseDOM	A descriptor for the use of the range.	Char	16
16	MaxRngWep	The maximum range of weapons used on the range.	Double	8
17	WeapTypDOM	A descriptor for the weapon used.	Char	16
18	MaxrngUOM	The unit of measure for the maximum range used above.	Char	16
19	AreaSize	The size of the area, zone, or polygon in square units.	Double	8
20	AreaUOM	The unit of measure for area.	Char	16
21	Perim	The distance around the boundary of the area, zone, or subject item in linear units.	Char	16
22	PerimUOM	The unit of measure for length.	Char	16
23	UseFlag	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.	Char	20
24	FeatDesc	A brief description of the training area.	Char	60
25	FKInstlnID	Foreign Key. Used to link the record to the applicable INSTALLATION record.	Char	20
26	FKFacilID	Foreign Key. Used to link the record to the Facility Record.	Char	20
27	GridValue	A numeric identification of a raster element in an image or grid that represents the feature.	Single	4
28	CoordX	The x component of individual coordinate point.	Double	8
29	CoordY	The y component of individual coordinate point.	Double	8
30	CoordZ	The z component of individual coordinate point.	Double	8
31	Narrative	A description or other unique information concerning the subject item, limited to 240 characters.	Char	240
32	RngstatDOM	The status of the range.	Char	16
33	CeilAlt	The ceiling altitude of the range.	Integer	4
34	FeatName	The name given to the range area.	Char	30

Name of Feature Class: Testing Range Boundary

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: 0.000000001953125
Tolerance: 0.000002000000002

Geographic extent: -76.21W to -76.09W, 37.28N to 37.01N