

# **Operating Area (OPAREA) Boundaries**

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

An Operating Area (OPAREA) is an ocean area defined by geographic coordinates with defined sea surface and subsurface training areas and associated special use airspace, and includes danger zones and restricted areas. The Virginia Capes (VACAPES) Range Complex is comprised of the VACAPES OPEAREA which is located offshore of the states of Virginia North Carolina, Maryland, and Delaware. The VACAPES OPAREA consists of surface and subsurface waters, special use airspace, land ranges and stationary land targets, mobile targets and target control facilities, and instrumentation facilities.

## **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)
- Naval Undersea Warfare Center (NUWC)
- 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 Military Operations Area, includes OPAREA, submarine OPAREA, range complex boundaries, and study 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	No definition available.	String	20
5	FKMetaID	No definition available.	String	20
6	KFMediaID	No definition available.	String	20
7	FKCoordIN	No definition available.	String	20
8	OrdTypDOM	No definition available.	String	16
9	NumStruct	No definition available.	Small Integer	2
10	RndsFired	No definition available.	Integer	4
11	RngCntrl	No definition available.	String	60
12	TmgUntDOM	No definition available.	String	16
13	RngOffcr	No definition available.	String	20
14	RngStatus	No definition available.	String	30
15	TypRnds	No definition available.	String	25
16	RngUseDOM	No definition available.	String	16
17	MaxmgWep	No definition available.	Double	8
18	WeapTypeDOM	No definition available.	String	16
19	WeapNum	No definition available.	Integer	4
20	MaxmgUOM	No definition available.	String	16
21	WeapUOM	No definition available.	String	16
22	AreaSize	No definition available.	Double	8

23	AreaUOM	No definition available.	String	16
24	Perim	No definition available.	Double	8
25	PerimUOM	No definition available.	String	16
26	MgtAgcyDOM	No definition available.	String	16
27	UserFlag	No definition available.	String	20
28	FeatDesc	No definition available.	String	60
29	FKInstlnID	No definition available.	String	20
30	FKFacilID	No definition available.	String	20
31	GridValue	No definition available.	Single	4
32	CoordX	No definition available.	Double	8
33	CoordY	No definition available.	Double	8
34	CoordZ	No definition available.	Double	8
35	TypeDOM	No definition available.	String	16
36	Narrative	No definition available.	String	240
37	RngstatDOM	No definition available.	String	16
38	EcagrgrDOM	No definition available.	String	16
39	FKPocID	No definition available.	String	50
40	LvfireDOM	No definition available.	String	16
41	RngType	No definition available.	String	20
42	AltUOM	No definition available.	String	16
43	CeilAlt	No definition available.	Integer	4
44	GenordDOM	No definition available.	String	16
45	OrdclsDOM	No definition available.	String	16
46	RangeNo	No definition available.	String	30
47	Feat_name	No definition available.	String	200
48	Shape_Length	Length of feature in internal units.	Double	8
49	Shape_Area	Area of feature in internal units.	Double	8

Name of Feature Class: military\_oparea\_bnd\_area

Total Number of Unique Features: 43

## 5. SPATIAL REPRESENTATION

Geometry Type: polygon

Reference System: Geographic Coordinate Reference System

Horizontal Datum: GCS\_WGS\_1984

Ellipsoid: WGS\_1984

XY Resolution: 0.000000001

Tolerance: 0.000000008983153

Geographic extent: -97.32W to -66.99W, 44.35N to 23.49N