

Coastal Secured [Conservation] Lands (2015 version)
Northeast United States
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Prepared for:
Northeast Regional Ocean Council
www.northeastoceandata.org

Prepared by:
Jenna Ducharme, GIS Specialist
RPS
55 Village Sq. Dr.
South Kingstown, RI 02879

1. INTRODUCTION

This dataset displays a subset of The Nature Conservancy's 2015 Secured lands (publicly downloadable external version) dataset and includes the following types of lands within a 10 kilometer buffer of the Northeast United States (Maine to New York) shoreline:

- Nature Reserves, Preserves, Sanctuaries (NAT)
- National Wildlife Refuges, Wildlife Managed Areas (NWR, WMA)
- Municipal Forests, Lands, Parks (MF, ML, MP)
- State Forests, Lands, Parks (SF, SL, SP)

The complete version of the secured lands dataset, report and more information can be found at <http://nature.ly/securedareas>. The secured lands dataset shows public lands, private lands, and waters secured by a conservation situation that includes an explicit level of security from future conversion and current incompatible uses. The Nature Conservancy's secured land dataset strives to include all permanently protected lands in the eastern 18 U.S. states and is compiled annually from over sixty sources. For the most part, it is a combination of public land information maintained by each state, and private conservation land information compiled by the Nature Conservancy's state field offices.

The eastern secured lands system represents a commitment to nature and to future generations, and an indication of what can be achieved through collective effort. These lands provide efforts to protect the region's outstanding habitats and threatened species, and are increasingly understood as essential providers of ecosystem services and storehouses of the land's biological resources. Even as the region's ecology adjusts in response to a changing climate, the secured lands play a critical role in maintaining arenas for evolution and provide people with the opportunities and rewards stemming from direct contact with the land.

Nature Conservancy staff in each state office compile the dataset for their state, assign the securement status to each tract, and fill out the other standard fields (for example designation, acres, ownership type) . The completed state dataset are then compiled by the regional science

office and quality checked for consistency and discrepancies. Each year the dataset is posted for public use and submitted to the Protected Areas Database U.S. (PAD US) and National Conservation Easement database to become part of the national datasets of protected lands. See <http://nature.ly/securedareas> for more information.

*** Please be advised that not all sites found in The Nature Conservancy’s secured lands dataset, and the dataset provided on Northeast Ocean Data, are publicly accessible.*

2. PURPOSE

The secured lands provide efforts to protect the region’s outstanding habitats and threatened species, and are increasingly understood as essential providers of ecosystem services and storehouses of the land’s biological resources. This subset of the larger secured lands dataset is used to support coastal and ocean planning by displaying areas along the coast.

3. SOURCES AND AUTHORITIES

- The Nature Conservancy, Eastern Division Conservation Science Office
 - <http://nature.ly/securedareas>
- For individual listing of state sources, please see above link and download full dataset

4. DATABASE DESIGN AND CONTENT

Native storage format: ArcGIS File Geodatabase – simple feature class

Data Dictionary:

Line	Name	Definition	Type	Size
1	OBJECTID*	Internal feature number	Object ID	*
2	Shape*	Geometric representation of the feature	Geometry	*
3	SUBREGION	Region designation	string	25
4	STATE_PROV	State	string	2
5	AREA_NAME	Common name of secured area	string	100
6	FEE_OWNER	Name of the fee owner	string	50
7	FEE_ORGTYP	Organization type of FEE_OWNER: FED - Federal, STP - State/Province, LOC - Local, TNC - The Nature Conservancy, MUN- Municipal, PNP - Private Non-Profit, PFP - Private For-Profit, UNK - Unknown	string	3
8	FEE_ORGTYP		string	3
9	INT HOLDER	Name of entity holding additional interest in property, if known	string	50

Line	Name	Definition	Type	Size
10	INT_ORGTYP	Organization type of INT HOLDER: LOC - Local, TNC - The Nature Conservancy, PNP - Private Non-Profit,	string	3
11	INT_TYPE	Type of Interest held by INT HOLDER: F – Fee	string	3
12	DESIGNAT	Designation for management unit: MF - Municipal Forest, ML - Municipal Land, MP - Municipal Park, NAT - Nature Reserve/ Preserve/ Sanctuary, NWA - National Wilderness Area, NWR - National Wildlife Refuge, SF - State Forest, SL - State Land, SP - State Park, WMA - Wildlife Management Area	string	3
13	IUCN_CAT	IUCN (International Union for Conservation of Nature) Protected Area Management Category: Ia - Strict Nature Reserve, II - National Park, IV - Habitat/Species Management Area, VI - Managed Resource Protected Area Used outside US. See http://www.unep-wcmc.org/protected_areas/categories/	string	3
14	GAP_STATUS	The final GAP code to use: 1 - Permanent Protection for Biodiversity, 2 - Permanent Protection to Maintain a Primarily Natural State, 3 - Permanently Secured for Multiple Uses and in natural cover, 39 - Permanently Secured and in agriculture or maintained grass cover, 4 - Unsecured (temporary easements lands and/or municipal lands that are already developed (schools, golf course, soccer fields, ball fields), 9 - Unknown	short	*
15	GIS_ACRES	Acreeage of property	double	*

Line	Name	Definition	Type	Size
16	SOURCE	Citation for the source dataset or internet address of agency responsible for maintaining this polygon.	string	100
17	Shape_Area	Area of feature in internal units squared	double	*
18	Shape_Length	Length of feature in internal units	double	*
19	TNC_INTRST	TNC interest in the property (F=Fee (held by TNC); E=Easement (held by TNC); F/E=Fee/Ease (both held by TNC); A=Assist (TNC funding or staff helped broker deal) T=Transfer (TNC once held interest but transferred it to another org); CR or R=Conservation Restriction (held by TNC))	string	3
20	ST_DESIG	State designation	string	50
21	GAP_ORIG	GAP status as assigned by the USGS GAP program	short	*
22	CONS_INTNT	An indicator of the degree to which a conservation situation is intended to secure biodiversity. Used with pot_ef_mgt and cons_tenur to measure Conservation Management Status.	string	10
23	CONS_TENUR	An indicator of the length of commitment to the conservation situation. This indicator is used to distinguish variations in the permanence of conservation work. Used with cons_intnt and pot_ef_mgt to measure conservation management status	string	10
24	EF_MGT_POT	Effective Management Potential, an indicator of the apparent degree of ability for an entity to implement the intended focus of a conservation situation based on governance, planning and resource levels	string	50

Line	Name	Definition	Type	Size
25	CON_MGMT_ST	Conservation Management Status, a measure of the likelihood that an existing conservation situation is sufficient to secure biodiversity and allow for its persistence	string	50
26	DATE_PREC	Precision to which DATE_CONSV is known	string	5
27	LEGAL_ACRES		double	*
28	COMMENTS	Any comments on the above changes to the geography or attributes of this parcel	string	255
29	IDState	ID from state file	string	20
30	UNIQUEID2015	Unique ID 2015	long	*
31	DATE_CONSV	Date of property acquisition for conservation. Use yyyyymmdd format for easy sorting.	long	*

Feature Class Name: CoastalSecuredLands2015

Total Number of Unique Features: 30,056

Dataset Status: Complete, updated annually

5. SPATIAL REPRESENTATION

Geometry Type: vector polygon

Reference System: GCS North American 1983

Horizontal Datum: North American Datum 1983

Ellipsoid: Geodetic Reference System 1980

XY Resolution: XY Scale is 11258999068426.238 XY

Tolerance: 8.9831528411952133e-009

Geographic extent: -74.199 to -66.950, 40.253 to 46.054

ISO 19115 Topic Category: boundaries, environment, planningCadastre

Place Names:

Belfast, Maine; Boston, Massachusetts; Cape Cod, Massachusetts; New Haven, Connecticut; New London, Connecticut; Newport, Rhode Island; Manhattan, New York; Long Island, New York; Portland, Maine; Portsmouth, New Hampshire; Providence, Rhode Island

Recommended Cartographic Properties:

(Using ArcGIS ArcMap nomenclature)

Simple Fill Symbol: no outline, color model: RGB

Nature Reserves, Preserves, Sanctuaries: 123-158-111

National Wildlife Refuges, Wildlife Managed Areas: 87-153-140 Municipal Forests, Lands, Parks: 69-207-0

State Forests, Lands, Parks: 50-94-28

Scale range for optimal visualization: 1:100,000 to 1:250,000

6. DATA PROCESSING

Processing environment: ArcGIS 10.3.1, Windows 7 Professional, Intel Core i7 CPU

	Process Steps Description
1	Downloaded the Secured Lands 2015 (publicly downloadable external version) dataset from http://nature.ly/securedareas
2	SELECTED FEATURES that intersected 10km coastal shoreline buffer (using NOAA medium resolution shoreline)
3	Applied QUERY to select lands where Designation=NAT, WMA, NWR, MF, ML, MP, SF, SL, SP
4	Applied QUERY to remove lands where INT_TYPE=E, L, LE, R, RV, RW, T, U
5	Applied Query to remove lands where FEE_ORGTYP =PLO
6	EXPORTED remaining areas to new dataset

7. QUALITY PROCESS

Attribute Accuracy: Accuracy is based on original dataset available for download here <http://nature.ly/securedareas>.

Logical Consistency: None

Completeness: This dataset is a subset of The Nature Conservancy's 2015 Secured lands (publicly downloadable external version) dataset that only includes the following management designation=NAT, WMA, NWR, MF, ML, MP, SF, SL, SP within a 10km buffer of NOAA's medium resolution shoreline. Please download the full secured lands dataset directly from The Nature Conservancy's Eastern Division site: <http://nature.ly/securedareas>.

Positional Accuracy: May vary by state. The user should consult the metadata of each individual state for positional accuracy information.

Timeliness: Based on available data since 2015 and is updated yearly to include new areas.

Use restrictions: Please be advised that not all sites found in The Nature Conservancy's secured lands dataset and the dataset provided on Northeast Ocean Data are publicly accessible.

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