

## Natural Land Network (VA)



### Tags

Natural Land Network, Virginia

#### Identification\_Information:

##### Citation:

##### Citation\_Information:

Originator: Virginia Department of Conservation and Recreation

Publication\_Date: 20070627

Title: VaNLA Natural Land Network

Geospatial\_Data\_Presentation\_Form: vector digital data

##### Publication\_Information:

Publication\_Place: Richmond, Virginia, USA

Publisher: Virginia Department of Conservation and Recreation

Online\_Linkage: [http://www.dcr.virginia.gov/natural\\_heritage/vclna.shtml](http://www.dcr.virginia.gov/natural_heritage/vclna.shtml)

##### Larger\_Work\_Citation:

##### Citation\_Information:

Originator: Virginia Department of Conservation and Recreation

Title: Virginia Conservation Lands Needs Assessment

##### Description:

##### Abstract:

Natural land networks are integral parts of green infrastructure. They provide benefits in terms of wildlife and plant habitat, biodiversity conservation, open space, recreation, water resources protection, erosion control, sediment retention, protection from storm and flood damage, crop pollination, and carbon sequestration. The Virginia Natural Landscape Assessment (VaNLA) was a landscape-scale GIS analysis that identified, prioritized, and linked important lands to form natural land networks throughout Virginia. Using land cover data derived from satellite imagery, the VaNLA identified large, unfragmented cores, patches of natural land with at least 100 acres of interior cover. Cores provide habitat for a wide range of species, from interior-dependent forest species to habitat generalists, as well as for species that utilize marsh and maritime habitats. The most ecologically significant cores were linked by landscape corridors. Lower-ranked cores and fragments of natural land that intersected landscape corridors were added as corridor nodes to complete the natural land networks. Collectively, these networks can be viewed as a minimal coarse filter, to which additional cores and rare or sensitive species habitats should be added for more comprehensive biodiversity conservation in Virginia.

##### Purpose:

The VaNLA generates fundamental ecological data layers for conservation of land and natural resources in Virginia.

##### Time\_Period\_of\_Content:

##### Time\_Period\_Information:

##### Single\_Date/Time:

Calendar\_Date: circa 2000

Currentness\_Reference: RESAC 2000 Land Cover

##### Status:

Progress: Complete

Maintenance\_and\_Update\_Frequency: As needed

##### Spatial\_Domain:

##### Bounding\_Coordinates:

West\_Bounding\_Coordinate: -84.193821

East\_Bounding\_Coordinate: -75.149927

North\_Bounding\_Coordinate: 39.623272

South\_Bounding\_Coordinate: 36.355136

##### Keywords:

*Theme:*

*Theme\_Keyword\_Thesaurus:* none

*Theme\_Keyword:* Virginia Natural Landscape Assessment

*Theme\_Keyword:* VaNLA

*Theme\_Keyword:* Natural Land Network

*Theme\_Keyword:* Green Infrastructure

*Place:*

*Place\_Keyword\_Thesaurus:* none

*Place\_Keyword:* Virginia

*Place\_Keyword:* Mid-Atlantic

*Access\_Constraints:* none

*Use\_Constraints:* none

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Joseph T. Weber

*Contact\_Organization:* Virginia Department of Conservation and Recreation

*Contact\_Position:* Natural Heritage GIS Projects Manager/Conservation Biologist

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 217 Governor St.

*City:* Richmond

*State\_or\_Province:* Virginia

*Postal\_Code:* 23219

*Country:* USA

*Contact\_Voice\_Telephone:* (804) 371-2545

*Contact\_Facsimile\_Telephone:* (804) 371-2674

*Contact\_Electronic\_Mail\_Address:* joseph.weber@dcr.virginia.gov

*Hours\_of\_Service:* 7:30 AM - 4:15 PM

*Native\_Data\_Set\_Environment:*

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.2.6.1500

---

*Data\_Quality\_Information:*

*Lineage:*

*Process\_Step:*

*Process\_Date:* 20070509

*Process\_Step:*

*Process\_Description:* Metadata imported.

*Source\_Used\_Citation\_Abbreviation:* C:\Workspace\1\_VANLA\_Products2\VaNLA\_Cores\_Lite.shp.xml

---

*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

*Point\_and\_Vector\_Object\_Information:*

*SDTS\_Terms\_Description:*

*SDTS\_Point\_and\_Vector\_Object\_Type:* G-polygon

*Point\_and\_Vector\_Object\_Count:* 8551

---

*Spatial\_Reference\_Information:*

*Horizontal\_Coordinate\_System\_Definition:*

*Planar:*

*Map\_Projection:*

*Map\_Projection\_Name:* Lambert Conformal Conic

*Lambert\_Conformal\_Conic:*

*Standard\_Parallel:* 37.000000

*Standard\_Parallel:* 39.500000

*Longitude\_of\_Central\_Meridian:* -79.500000

*Latitude\_of\_Projection\_Origin:* 36.000000

*False\_Easting:* 0.000000

*False\_Northing:* 0.000000

*Planar\_Coordinate\_Information:*

*Planar\_Coordinate\_Encoding\_Method:* coordinate pair

*Coordinate\_Representation:*

*Abscissa\_Resolution:* 0.000000

*Ordinate\_Resolution:* 0.000000

*Planar\_Distance\_Units:* meters

*Geodetic\_Model:*

*Horizontal\_Datum\_Name:* North American Datum of 1983

*Ellipsoid\_Name:* Geodetic Reference System 80

*Semi-major\_Axis:* 6378137.000000

*Denominator\_of\_Flattening\_Ratio:* 298.257222

---

*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* VaNLA\_NaturalLandNetwork

*Attribute:*

*Attribute\_Label:* FID

*Attribute\_Definition:*

This field contains the Internal Feature Number, a unique sequential number that is automatically generated by ArcGIS 9.1 software.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:*

Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute\_Label:* Shape

*Attribute\_Definition:*

This field contains the feature geometry, the coordinates defining the features.

*Attribute\_Definition\_Source:* ESRI

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* EI\_Class

*Attribute\_Definition:*

This field represents the ecological integrity scores from the ECM summarized in 5 classes.

*Attribute\_Definition\_Source:* JTW

*Attribute\_Domain\_Values:*

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 1

*Enumerated\_Domain\_Value\_Definition:* Outstanding

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 2

*Enumerated\_Domain\_Value\_Definition:* Very High

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 3

*Enumerated\_Domain\_Value\_Definition:* High

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 4

*Enumerated\_Domain\_Value\_Definition:* Moderate

*Enumerated\_Domain:*

*Enumerated\_Domain\_Value:* 5

*Enumerated\_Domain\_Value\_Definition:* General

---

*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Person\_Primary:*

*Contact\_Person:* Joseph T. Weber

*Contact\_Organization:* Virginia Department of Conservation and Recreation

*Contact\_Position:* Natural Heritage GIS Projects Manager/Conservation Biologist

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 217 Governor St.

*City:* Richmond

*State\_or\_Province:* Virginia

*Postal\_Code:* 23219

*Country:* USA

*Contact\_Voice\_Telephone:* (804) 371-2545

*Contact\_Facsimile\_Telephone:* (804) 371-2674

*Contact\_Electronic\_Mail\_Address:* joseph.weber@dcr.virginia.gov

*Hours\_of\_Service:* 7:30 AM - 4:15 PM

*Resource\_Description:* Downloadable Data

*Distribution\_Liability:*

Although all data referred to in this documentation have been used by VADCR, no warranty, expressed or implied, is made by VADCR or the original data sources as to the accuracy of the data. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by VADCR in the use of these data. Users must assume responsibility to determine appropriate use of these data. VaNLA feature boundaries are not to be used for legal definitions of these areas. Please contact the proper agency or organization with questions concerning ancillary data sets used in, but not created by, the VaNLA. The re-distribution of this dataset for profit is prohibited.

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* ESRI Shapefile

*Transfer\_Size:* 55.721

*Digital\_Transfer\_Option:*

*Online\_Option:*

*Computer\_Contact\_Information:*

*Network\_Address:*

*Technical\_Prerequisites:*

End user must have GIS software capable of importing and displaying ESRI shapefiles.

---

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20090522

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:* Department of Conservation and Recreation

*Contact\_Person:* Joseph T. Weber

*Contact\_Position:* Natural Heritage GIS Projects Manager/Conservation Biologist

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 217 Governor St.

*City:* Richmond

*State\_or\_Province:* Virginia

*Postal\_Code:* 23219

*Country:* USA

*Contact\_Voice\_Telephone:* (804) 371-2545

*Contact\_Facsimile\_Telephone:* (804) 371-2674

*Contact\_Electronic\_Mail\_Address:* joseph.weber@dcv.virginia.gov

*Hours\_of\_Service:* 7:30 AM - 4:15 PM

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

*Metadata\_Extensions:*

*Online\_Linkage:* <<http://www.esri.com/metadata/esriprof80.html>>

*Profile\_Name:* ESRI Metadata Profile