

## SDV\_PUBLIC.HQR\_NHEO\_POLYGON

**Data format:** SDE Feature Class

**File or table name:** SDV\_PUBLIC.HQR\_NHEO\_POLYGON

**Coordinate system:** Lambert Conformal Conic

**Theme keywords:** Element occurrences, Endangered species, Rare species, Natural ecosystem, Natural community, environment

**Abstract:** The North Carolina Department of Environment and Natural Resources, Division of Parks and Recreation, Natural Heritage Program in cooperation with the NC Center for Geographic Information & Analysis, developed the digital Natural Heritage Element Occurrences data for research or planning projects that will contribute to better protection for the ecological features involved. The file enables the user to identify locations of rare and endangered species populations and occurrences of exemplary or unique natural ecosystems (terrestrial and palustrine) and special wildlife habitats. This file covers the state of North Carolina. Due to its dynamic nature, this data becomes outdated very quickly.

### FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
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- [Distribution Information](#)
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Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (\*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

### Identification Information:

#### Citation:

##### Citation information:

**Originators:** NC DENR, Div. of Parks and Recreation, Natural Heritage Program

##### \*Title:

SDV\_PUBLIC.HQR\_NHEO\_POLYGON

\***File or table name:** SDV\_PUBLIC.HQR\_NHEO\_POLYGON

**Publication date:** 20100101

\***Geospatial data presentation form:** vector digital data

##### Publication information:

**Publication place:** Raleigh, North Carolina

**Publisher:** NC DENR, Div. of Parks and Recreation, Natural Heritage Program

**Other citation details:**

NCCGIA distributes this dataset

\***Online linkage:** [Service=sde:oracle11g:/;LOCAL=TCCDQ26; User=sdv\\_public; Version=SDE.DEFAULT](Service=sde:oracle11g:/;LOCAL=TCCDQ26; User=sdv_public; Version=SDE.DEFAULT)

**Description:**

**Abstract:**

The North Carolina Department of Environment and Natural Resources, Division of Parks and Recreation, Natural Heritage Program in cooperation with the NC Center for Geographic Information & Analysis, developed the digital Natural Heritage Element Occurrences data for research or planning projects that will contribute to better protection for the ecological features involved. The file enables the user to identify locations of rare and endangered species populations and occurrences of exemplary or unique natural ecosystems (terrestrial and palustrine) and special wildlife habitats. This file covers the state of North Carolina. Due to its dynamic nature, this data becomes outdated very quickly.

**Purpose:**

This data was created to assist governmental agencies and others in making resource management decisions through use of a Geographic Information System (GIS).

**Supplemental information:**

An extensive tabular database is maintained by the Natural Heritage Program. Other data that can be accessed include element occurrence identification number.

Supplemental materials are also available that indicate the state, national, and global status of the rare plants and animals of North Carolina. These publications are available from the NHP and are helpful in understanding each natural heritage record. (SEE CROSS REFERENCES)

**NATURAL HERITAGE PROGRAM DATA**

The Natural Heritage Program is the state's most comprehensive source of information on rare and endangered animals and plants, and exemplary natural communities, known collectively as "elements of natural diversity." Since 1976, the program has systematically gathered information on the occurrence and the status of the state's ecological resources. The inventory consists of information compiled from a broad range of sources including herbarium and museum collections, published and unpublished literature, and field surveys by volunteers, contracted workers, and staff. Information from and interpretation of this database for specific sites is available from the Natural Heritage Program. This is generally the preferred method of getting information on elements of natural diversity. The geographic content of the Natural Heritage Program element occurrence database has also been incorporated into the NC OneMap database where it can be combined with other geographic data for planning and analysis. Users of the

data must, however, be aware of the nature and limitations of the data.

#### LIMITATIONS OF DATA

The element occurrence database contains data from a variety of sources, which vary in the quality of their locational information. Some centroid points may be as much as several miles off, though most are closer and many are exact to within one or two seconds of latitude or longitude.

The precision of record is indicated in the Natural Heritage Program databases. Because of uncertainty about the precision and accuracy of source data, and because the aerial extent of occurrences is not indicated on CGIA maps, occurrences anywhere within several miles of a site of interest should be regarded as indicating the need for more information. Probability of effects by a project depends on the actual location and extent of the element occurrence, on the nature of the species or community, and on the nature of the action being considered. Interpretation of potential effects should be done only by biologists familiar with the element, with the best locational information available.

#### LIMITATIONS OF ABSENCE OF DATA

Although the Natural Heritage Program has conducted numerous biological inventories and has assembled as much of the secondary source data as possible, the majority of the state has never been systematically surveyed for rare species or natural communities. In addition, negative surveys are seldom reported to the Natural Heritage Program and are not recorded. The database reflects only locations where an element was once known to occur. It does not distinguish between areas known to have no elements and those that have not been checked. The absence of element location cannot be taken as an indication of absence of elements or of ecological concerns. Natural Heritage Program biologists are often able to give indications of the potential for concern in unsurveyed areas.

#### DATA CURRENCY

The Natural Heritage Program databases are continually updated as new information is acquired. The locational database at CGIA is updated as needed for applications. Users should determine the date of the last update and, if necessary, see that an update is done prior to their application being run. All printed maps from the GIS should be dated. Depending on activity in a given area, a map may quickly become outdated, or may remain current for several years. It is not possible to set a specific expiration date on maps; however, data more than six months old should not be depended on without checking with the Natural Heritage Program.

Only a small portion of the rare species and community locations are monitored on a regular basis. Information in the Natural Heritage Program database represents the occurrence at the last time it was observed. The date of last observation is given in the Natural Heritage Program database but is not included in the NC OneMap datalayer. Records are kept in the database until the destruction of an occurrence is confirmed. Thus, some of the records are likely to represent locations where an element has not been seen in many years and may no longer be present.

#### ADDITIONAL INFORMATION

Additional information about databases, elements of natural diversity, and user services is available from the Natural

Heritage Program. The basic data are "public records" and are available for inspection on request for reasonable purposes. Beginning with the May 16, 2008 version quite a few low precision, county-level element occurrences were replaced with more precise locations. There was a large drop in acreage from the previous version, but loss of acreage in the NHEO layer should not be interpreted as loss of habitat. The relatively few low precision records in the coverage will dominate the acreage total, and any changes in these will obscure any acreage trends. The trend of replacing low precision records with higher precision will continue in future versions. That doesn't guarantee that the number of low precision records will continually go down, though, since NHP may start tracking a new species which has only poor data initially.

Revisions and updates to this layer include:

- 11.) NHEO layer updated January 1, 2010.
- 10.) NHEO layer updated November 20, 2009.
- 9.) NHEO layer updated May 28, 2009.
- 8.) NHEO layer updated January 8, 2009.
- 7.) NHEO layer updated May 16, 2008.
- 6.) NHEO layer updated February 1, 2008. Data are now stored in one dataset. Points and lines are buffered and put into this polygon dataset.
- 5.) NHEO layer updated November 27, 2007.
- 4.) NHEO layer updated February 27, 2007.
- 3.) NHEO layer updated August 16, 2006.
- 2.) NHEO layer updated December 2005.
- 1.) NHEO layer updated September 7, 2005.

Data are now stored in three datasets: lines, polygons, and points.

**\*Language of dataset:** en

**Time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

**Range of dates/times:**

**Beginning date:** 1990

**Ending date:** 20090528

**Currentness reference:**

Original release and last revision dates

**Status:**

**Progress:** Complete

**Maintenance and update frequency:** As needed

**Spatial domain:**

**Bounding coordinates:**

**\*West bounding coordinate:** -84.475595

**\*East bounding coordinate:** -75.339405

**\*North bounding coordinate:** 36.638920

**\*South bounding coordinate:** 33.697227

**Local bounding coordinates:**

**\*Left bounding coordinate:** 391520.624409

**\*Right bounding coordinate:** 3074711.845940

\***Top bounding coordinate:** 1051513.892145

\***Bottom bounding coordinate:** 23653.316638

**Keywords:**

**Theme:**

**Theme keywords:** Element occurrences, Endangered species, Rare species, Natural ecosystem, Natural community

**Theme keyword thesaurus:** None

**Theme:**

**Theme keywords:** environment

**Theme keyword thesaurus:** ISO 19115 Topic Category

**Place:**

**Place keywords:** North Carolina

**Place keyword thesaurus:** William S. Powell, The North Carolina GAZETTEER, A Dictionary of Tar Heel Places, (Chapel Hill: University of North Carolina Press), August 1984.

**Access constraints:** Although more significant ecological features are lost because of ignorance and accident than because of exploitation or intentional destruction, publication of locations of many species increases the risk of deliberate damage to them. To minimize this risk, elements are not identified in the NC OneMap database. Points are labeled only as plant, animal, or natural community occurrences. If a particular occurrence is of interest, the Natural Heritage Program must be contacted to determine the identity of the element and its significance to the project concerned. There may be a charge for Natural Heritage Program services in providing the data.

**Use constraints:**

These data are intended for research or planning projects that will contribute to better protection for the ecological features involved. Due to its dynamic nature, this data becomes outdated very quickly. The Natural Heritage Program must be contacted before each use of the data set to ensure data currency.

Acknowledgement of products derived from this dataset should cite the following:

The source of the Natural Heritage Element Occurrences data is NC OneMap.

Earlier versions of this data set may exist. The user must be sure to use the appropriate dataset for the time period of interest. While efforts have been made to ensure that these data are accurate and reliable within the state of the art, CGIA cannot assume liability for any damages or misrepresentation caused by any inaccuracies in the data or as a result of changes to the data caused by system transfers.

**Point of contact:**

**Contact information:**

**Contact person primary:**

**Contact person:** John Finnegan

**Contact organization:** NC DENR-Div. of Parks and Recreation, Natural Heritage Program

**Contact position:** Program Head

**Contact address:**

**Address type:** Mailing and physical address

**Address:**

512 N. Salisbury Street, PO Box 27687

**City:** Raleigh

**State or province:** North Carolina

**Postal code:** 27611-7687

**Country:** U.S.A.

**Contact voice telephone:** (919) 715-8702  
**Contact facsimile telephone:** (919) 715-3085

**Hours of service:** 8am to 5pm  
**Contact instructions:**  
 Preferred contact is by telephone

**Data set credit:**

DENR/Division of Parks and Recreation/Natural Heritage Program  
 OITS/Center for Geographic Information and Analysis

**\*Native dataset format:** SDE Feature Class

**\*Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog  
 9.3.1.3000

**Cross reference:**

**Citation information:**

**Originators:** Hall, S.P. and LeGrand, H.E, Jr.

**Title:**

Natural Heritage Program List of Rare Animal Species of North Carolina

**Publication date:** 1997

**Publication information:**

**Publication place:** Raleigh, North Carolina

**Publisher:** NC DENR-Div. of Parks and Recreation, Natural Heritage Program

**Other citation details:**

Available from Natural Heritage Program

**Cross reference:**

**Citation information:**

**Originators:** Schafale, M.P. and A.S. Weakley

**Title:**

Classification of the Natural Communities of North Carolina

**Publication date:** 1990

**Publication information:**

**Publication place:** Raleigh, North Carolina

**Publisher:** NC DENR-Div. of Parks and Recreation, Natural Heritage Program

**Other citation details:**

Natural Heritage Program

**Cross reference:**

**Citation information:**

**Originators:** Amoroso, J.L.

**Title:**

Natural Heritage Program List of Rare Plant Species of North Carolina

**Publication date:** 1997

**Publication information:**

**Publication place:** Raleigh, North Carolina

**Publisher:** NC DENR-Div. of Parks and Recreation, Natural Heritage Program

**Other citation details:**

Available from Natural Heritage Program

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## Data Quality Information:

**Attribute accuracy:**

**Attribute accuracy report:**

NC DENR-Div. of Parks and Recreation, Natural Heritage Program provides the Natural Heritage Element Occurrences as an Arc/Info export file, which is imported into a coverage. Points are reviewed by NHP staff. This digital file is updated as changes occur.

**Logical consistency report:**

Using ESRI's ARC/INFO GIS software, the data set was built for points using the "build" command. Topology has not been edited since the last build or clean.

**Completeness report:**

These data represent the locations of rare or endangered species populations, occurrences of exemplary or unique natural ecosystems (terrestrial and palustrine) and special wildlife habitats as identified by NC DENR-Div. of Parks and Recreation, Natural Heritage Program.

**Positional accuracy:**

**Horizontal positional accuracy:**

**Horizontal positional accuracy report:**

Natural Heritage Element Occurrences were marked on 7.5 Minute USGS paper topographic maps, which meet National Map Accuracy Standards, using a best estimate with reference to surrounding features.

**Lineage:**

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** NC DENR-Div. of Parks and Recreation, Natural Heritage Program

**Title:**

Natural Heritage Element Occurrences

**Publication date:** 20040219

**Geospatial data presentation form:** Map

**Publication information:**

**Publication place:** Raleigh, North Carolina

**Publisher:** NC DENR-Div. of Parks and Recreation, Natural Heritage Program

**Source scale denominator:** 24000

**Type of source media:** Paper

**Source citation abbreviation:**

None

**Source contribution:**

Locations of rare and endangered species populations and occurrences of exemplary or unique natural ecosystems (terrestrial and palustrine) and special wildlife habitats

**Source time period of content:**

**Time period information:**

**Range of dates/times:**

**Beginning date:** 1990

**Ending date:** 20070227

**Source currentness reference:**

Original release date and revision date, respectively

**Source information:**

**Source citation:**

**Citation information:**

**Originators:** US Geological Survey

**Title:**

USGS 7.5 Minute series quadrangles

**Publication date:** 1990

**Geospatial data presentation form:** Map

**Publication information:**

**Publication place:** Reston, Virginia

**Publisher:** US Geological Survey

**Other citation details:**

Published map series

**Source scale denominator:** 24000

**Type of source media:** paper

**Source citation abbreviation:**

None

**Source contribution:**

Paper maps used to plot locations of Natural Heritage Element Occurrences

**Source time period of content:**

**Time period information:**

**Range of dates/times:**

**Beginning date:** 1938

**Ending date:** 20070227

**Source currentness reference:**

Publication dates of quadrangles

**Process step:**



**Process description:**

Dataset was created by buffering the shapes from the previous shapefiles (points, lines, and polys) by their uncertainty distance, merging the buffered shapes, and dissolving on the EO\_ID. The buffer of a source feature represents any locational uncertainty surrounding the original observation. (Uncertainty typically results from not knowing the exact location of the observation, and can be affected by survey techniques, equipment, and the amount and type of information we have from the observer.) After the source features of an EO are buffered for uncertainty, they are grouped into a single polygon. This grouping is meant to represent the entire extent of a given element occurrence. Ideally, for species, an element occurrence representation would represent a population, but often it is simply a collection of adjacent observations. Be aware that an element occurrence representation may contain multiple source features (points, lines, and/or polygons). Also note that all of the point source features are buffered by a minimum mapping unit of 12.5 m, even when the precision is higher than this.

**Process date:** 20090528

**Process contact:****Contact information:****Contact organization primary:**

**Contact organization:** NC DENR-Div. of Parks and Recreation,  
Natural Heritage Program

**Contact address:**

**Address type:** Mailing and physical address

**Address:**

512 N. Salisbury Street, PO Box 27687

**City:** Raleigh

**State or province:** North Carolina

**Postal code:** 27601-7687

**Country:** U.S.A.

**Contact voice telephone:** (919) 715-8697

**Contact facsimile telephone:** (919) 715-3085

**Hours of service:** 8am to 5pm

**Contact instructions:**

Preferred contact is by phone

**Process step:****Process description:**

The NC DENR-Div. of Parks and Recreation, Natural Heritage Program maintains these data in tabular form with latitude/longitude coordinates, as well as in a GIS.

Latitude/longitude coordinates were extrapolated from USGS 1:24,000 topographic maps which had markers placed at the site of an element occurrence. A transparent grid template was overlaid onto the topo maps and the coordinates were interpreted.

The coordinates and related attribute information about the sites were keyed into a DOS-based program known as the Biological Conservation Database (BCD).

The latitude/longitude coordinates were converted from the Biological Conservation Database (BCD) into a UNIX environment. They were then processed into Arc/Info using the "Generate" command and then built for topology. The attributes from the BCD were then appended to the Arc/Info coverage using the "Joinitem" command. This process generated one statewide point coverage.

**Process date:** 20070227

**Process contact:**

**Contact information:**

**Contact person primary:**

**Contact person:** Linda Pearsall

**Contact organization:** NC DENR-Div. of Parks and Recreation,  
Natural Heritage Program

**Contact position:** Program Head

**Contact address:**

**Address type:** Mailing and physical address

**Address:**

512 N. Salisbury Street, PO Box 27687

**City:** Raleigh

**State or province:** North Carolina

**Postal code:** 27611-7687

**Country:** U.S.A.

**Contact voice telephone:** (919) 715-8697

**Contact facsimile telephone:** (919) 715-3085

**Hours of service:** 8:00 am to 5:00 pm

**Contact instructions:**

Preferred contact is by phone

**Process step:**

**Process description:**

CGIA received an ESRI shapefile which was imported into ArcSDE.

**Process date:** 20091203

**Process contact:**

**Contact information:**

**Contact organization primary:**

**Contact organization:** NC CGIA

**Contact address:**

**Address type:** Physical

**Address:**

333 E. Six Forks Road

**City:** Raleigh

**State or province:** North Carolina

**Postal code:** 27609

**Country:** U.S.A.

**Contact address:****Address type:** Mailing**Address:**

20322 Mail Service Center

**City:** Raleigh**State or province:** North Carolina**Postal code:** 27699**Country:** U.S.A.**Contact voice telephone:** 919-754-6580**Contact facsimile telephone:** 919-715-8551**Contact electronic mail address:** dataq@its.nc.gov**Hours of service:** 8am to 5pm**Contact instructions:**

Phone and electronic mail preferred

**Process step:****Process description:**

Metadata imported.

**Process date:** 20100309**Process time:** 14494900**Source used citation abbreviation:**

C:\DOCUME~1\bmillr\LOCALS~1\Temp\xml141.tmp

**Process step:****Process description:**

Dataset copied.

**Process date:** 20100930**Process time:** 08473500**Source used citation abbreviation:**

\\DOT\DFSRoot01\Groups-GISDataExt\AnalysisProjects\GeoDatabases\GIS\_Layers\NC\_OneMap.gdb

[Back to Top](#)**Spatial Data Organization Information:****Indirect spatial reference method:**

None

**\*Direct spatial reference method:** Vector**Point and vector object information:****SDTS terms description:****\*Name:** SDV\_PUBLIC.HQR\_NHEO\_POLYGON**\*SDTS point and vector object type:** G-polygon**\*Point and vector object count:** 0**ESRI terms description:**

\***Name:** SDV\_PUBLIC.HQR\_NHEO\_POLYGON  
 \***ESRI feature type:** Simple  
 \***ESRI feature geometry:** Polygon  
 \***ESRI topology:** FALSE  
 \***ESRI feature count:** 0  
 \***Spatial index:** TRUE  
 \***Linear referencing:** FALSE

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## Spatial Reference Information:

### Horizontal coordinate system definition:

#### Coordinate system name:

##### \*Projected coordinate system name:

NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200\_Feet

##### \*Geographic coordinate system name: GCS\_North\_American\_1983

### Planar:

#### Map projection:

##### \*Map projection name: Lambert Conformal Conic

#### Lambert conformal conic:

\*Standard parallel: 34.333333

\*Standard parallel: 36.166667

\*Longitude of central meridian: -79.000000

\*Latitude of projection origin: 33.750000

\*False easting: 2000000.002617

\*False northing: 0.000000

### Planar coordinate information:

##### \*Planar coordinate encoding method: coordinate pair

#### Coordinate representation:

\*Abscissa resolution: 0.032808

\*Ordinate resolution: 0.032808

##### \*Planar distance units: survey feet

### 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

### Vertical coordinate system definition:

#### Altitude system definition:

\*Altitude resolution: 1.000000

\*Altitude encoding method: Explicit elevation coordinate included with horizontal coordinates

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## Entity and Attribute Information:

### Detailed description:

\***Name:** SDV\_PUBLIC.HQR\_NHEO\_POLYGON

**Entity type:**

\***Entity type label:** SDV\_PUBLIC.HQR\_NHEO\_POLYGON

\***Entity type type:** Feature Class

\***Entity type count:** 0

**Entity type definition:**

Locations of rare and endangered species populations and occurrences of exemplary or unique natural ecosystems (terrestrial or palustrine) and special wildlife habitats represented by polys.

**Entity type definition source:**

NC DENR-Div of Parks and Recreation, Natural Heritage Program

**Attribute:**

\***Attribute label:** OBJECTID

\***Attribute alias:** OBJECTID

**Attribute definition:**

Internal feature number.

\***Attribute definition source:**

ESRI

\***Attribute type:** OID

\***Attribute width:** 4

\***Attribute precision:** 10

\***Attribute scale:** 0

**Attribute domain values:**

\***Unrepresentable domain:**

Sequential unique whole numbers that are automatically generated.

**Attribute:**

\***Attribute label:** Shape

\***Attribute alias:** Shape

**Attribute definition:**

Feature geometry.

\***Attribute definition source:**

ESRI

\***Attribute type:** Geometry

\***Attribute width:** 4

\***Attribute precision:** 0

\***Attribute scale:** 0

**Attribute domain values:**

\***Unrepresentable domain:**

Coordinates defining the features.

**Attribute:**

**Attribute label:** EO\_ID

\***Attribute alias:** EO\_ID

**Attribute definition:**

Element Occurrence Identifier (A number uniquely identifies the element occurrence.)

**Attribute definition source:**

Natural Heritage Program

\***Attribute type:** Double

\***Attribute width:** 8

\***Attribute precision:** 38

\***Attribute scale:** 8

**Attribute domain values:**

**Unrepresentable domain:**

Identifier varies.

**Attribute measurement frequency:**

As needed

**Attribute:**

**Attribute label:** ESTI\_ACCR

\***Attribute alias:** ESTI\_ACCR

**Attribute definition:**

Estimated Representational Accuracy (The estimated representational accuracy is the approximate percentage of the element occurrence - as represented by its digitized features buffered by their uncertainty distance - that is believed to be occupied by the element.)

**Attribute definition source:**

Natural Heritage Program

\***Attribute type:** String

\***Attribute width:** 9

\***Attribute precision:** 0

\***Attribute scale:** 0

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Very High (>95%)

**Enumerated domain value definition:**

Greater than 95% of the polygon is occupied by the element.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** High (80%-95%)

**Enumerated domain value definition:**

Between 80% and 95% of the polygon is occupied by the element.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Medium (20%-80%)

**Enumerated domain value definition:**

Between 20% and 80% of the polygon is occupied by the element.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Low (5%-20%)

**Enumerated domain value definition:**

Between 5% and 20% of the polygon is occupied by the element.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Very Low (<5%)

**Enumerated domain value definition:**

Less than 5% of the polygon is occupied by the element.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Unknown

**Enumerated domain value definition:**

Percentage of the polygon occupied by the element is unknown.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** (Blank)

**Enumerated domain value definition:**

An estimated representational accuracy has not been assigned.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute measurement frequency:**

As needed

**Attribute:**

**Attribute label:** EO\_STAT

\***Attribute alias:** EO\_STAT

**Attribute definition:**

Element occurrence status

**Attribute definition source:**

Natural Heritage Program

\***Attribute type:** String

\***Attribute width:** 9

\***Attribute precision:** 0

\***Attribute scale:** 0

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Extant

**Enumerated domain value definition:**

The occurrence is known to still exist.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Historic

**Enumerated domain value definition:**

The occurrence is old or recent surveys failed to found it, but

there is no evidence it is destroyed.

**Enumerated domain value definition source:**  
Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Destroyed

**Enumerated domain value definition:**

The occurrence is known to be destroyed.

**Enumerated domain value definition source:**  
Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Unranked

**Enumerated domain value definition:**

The rank of the occurrence has not been assigned.

**Enumerated domain value definition source:**  
Natural Heritage Program

**Attribute measurement frequency:**

As needed

**Attribute:**

**Attribute label:** NAME\_CATGY

**\*Attribute alias:** NAME\_CATGY

**Attribute definition:**

Name Category. The name category is the broad biological group into which the element falls.

**Attribute definition source:**

Natural Heritage Program

**\*Attribute type:** String

**\*Attribute width:** 19

**\*Attribute precision:** 0

**\*Attribute scale:** 0

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Vertebrate Animal

**Enumerated domain value definition:**

Includes mammals, birds, reptiles, amphibians, and fishes.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Invertebrate Animal

**Enumerated domain value definition:**

Includes mollusks, arachnids, crustaceans, and insects.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Vascular Plant

**Enumerated domain value definition:**



Includes dicots, monocots, gymnosperms, ferns, and fern allies.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Nonvascular Plant

**Enumerated domain value definition:**

Includes mosses, liverworts, hornworts, and lichens.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Natural Community

**Enumerated domain value definition:**

A distinct and reoccurring assemblage of populations of plants, animals, bacteria, and fungi naturally associated with each other and their physical environment.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute domain values:**

**Enumerated domain:**

**Enumerated domain value:** Animal Assemblage

**Enumerated domain value definition:**

A concentration of animal species using the same site for a phase of their life cycle (feeding, reproduction, migration, hibernating, etc) e.g. bird colonies, bat or reptile hibernacula, concentrations of migrating shorebirds, multispecific spawning grounds, or multispecific mussel habitats.

**Enumerated domain value definition source:**

Natural Heritage Program

**Attribute measurement frequency:**

As needed

**Attribute:**

\***Attribute label:** SHAPE.AREA

\***Attribute alias:** SHAPE.AREA

\***Attribute type:** Double

\***Attribute width:** 0

\***Attribute precision:** 0

\***Attribute scale:** 0

**Attribute:**

\***Attribute label:** SHAPE.LEN

\***Attribute alias:** SHAPE.LEN

\***Attribute type:** Double

\***Attribute width:** 0

\***Attribute precision:** 0

\***Attribute scale:** 0

**Overview description:****Entity and attribute overview:**

Locations of rare and endangered species populations, occurrences of exemplary or unique natural ecosystems (terrestrial or palustrine) and special wildlife habitats.

**Entity and attribute detail citation:**

None

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**Distribution Information:****Distributor:****Contact information:****Contact organization primary:**

**Contact organization:** NC CGIA

**Contact address:**

**Address type:** Physical

**Address:**

333 E. Six Forks Road

**City:** Raleigh

**State or province:** North Carolina

**Postal code:** 27609

**Country:** U.S.A.

**Contact address:**

**Address type:** Mailing

**Address:**

20322 Mail Service Center

**City:** Raleigh

**State or province:** North Carolina

**Postal code:** 27699

**Country:** U.S.A.

**Contact voice telephone:** 919-754-6580

**Contact facsimile telephone:** 919-715-8551

**Contact electronic mail address:** dataq@its.nc.gov

**Hours of service:** 8am to 5pm

**Contact instructions:**

Phone and electronic mail preferred

**Resource description:** Natural Heritage Element Occurrences

**Distribution liability:**

NCCGIA is charged with the development and maintenance of NC OneMap and, in cooperation with other mapping organizations, is committed to offering its users accurate, useful, and current information. Although every effort has been made to ensure the accuracy of information, errors and conditions originating from

physical sources used to develop this dataset may be reflected in the data supplied. The user must be aware of possible conditions and bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data. NCCGIA does not support secondary distribution of this dataset without its current, compliant metadata record. The use of trade names or commercial products does not constitute their endorsement by NCCGIA or North Carolina State Government.

**Standard order process:**

**Digital form:**

**Digital transfer information:**

**Format name:** ESRI shapefile (\*.shp)

**Digital transfer option:**

**Online option:**

**Computer contact information:**

**Network address:**

**Network resource name:** [NC OneMap](#)

**Fees:** None. Download from [www.nconemap.com](http://www.nconemap.com) is free of charge.

**Custom order process:**

Data can be customized on a cost-recovery basis. Contact [dataq@its.nc.gov](mailto:dataq@its.nc.gov) or 919-754-6580 for more information.

**Technical prerequisites:**

All formats available from [www.nconemap.com](http://www.nconemap.com) are in ESRI shapefile. Other formats are available on a cost-recovery basis - contact [dataq@ncmail.net](mailto:dataq@ncmail.net) or 919-754-6580 for more information. Format compatibility is the user's responsibility.

**Available time period:**

**Time period information:**

**Range of dates/times:**

**Beginning date:** 19920113

**Ending date:** Present

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**Metadata Reference Information:**

\***Metadata date:** 20101026

\***Language of metadata:** en

**Metadata contact:**

**Contact information:**

**Contact organization primary:**

**Contact person:** REQUIRED: The person responsible for the metadata information.

**Contact organization:** NC CGIA

**Contact address:**

**Address type:** Physical

**Address:**

333 E. Six Forks Road

**City:** Raleigh**State or province:** North Carolina**Postal code:** 27609**Country:** U.S.A.**Contact address:****Address type:** Mailing**Address:**

20322 Mail Service Center

**City:** Raleigh**State or province:** North Carolina**Postal code:** 27699**Country:** U.S.A.**Contact voice telephone:** 919-754-6580**Contact facsimile telephone:** 919-715-8551**Contact electronic mail address:** dataq@its.nc.gov**Hours of service:** 8am to 5pm**Contact instructions:**

Phone and electronic mail preferred

**\*Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata**\*Metadata standard version:** FGDC-STD-001-1998**\*Metadata time convention:** local time**Metadata access constraints:** None**Metadata use constraints:**

This metadata file is to accompany the dataset. NCCGIA does not support secondary distribution of this dataset without its current, compliant metadata record. If the dataset described in this metadata record was received from anyone besides NCCGIA, this metadata and the dataset it describes may contain discrepancies.

**Metadata extensions:****\*Online linkage:** <http://www.esri.com/metadata/esriprof80.html>**\*Profile name:** ESRI Metadata Profile[Back to Top](#)**Geoprocessing History:****Process:****\*Date:** 20101023**\*Time:** 135012**\*Tool location:** D:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Conversion Tools.tbx\FeatureClassToFeatureClass

**\*Command issued:** FeatureClassToFeatureClass "S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element Occurance\NHEO.gdb\NHEO\_POLY" "Database Connections\sdv\_public@tccdt26.sde" HQR\_NHEO\_POLYGON # "EO\_ID 'EO\_ID' true true false 8 Double 0 0 ,First,#,S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element

Occurance\NHEO.gdb\NHEO\_POLY,EO\_ID,-1,-1;ESTI\_ACCR 'ESTI\_ACCR' true true false 9 Text 0 0 ,First,#,S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element Occurance\NHEO.gdb\NHEO\_POLY,ESTI\_ACCR,-1,-1;EO\_STAT 'EO\_STAT' true true false 9 Text 0 0 ,First,#,S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element Occurance\NHEO.gdb\NHEO\_POLY,EO\_STAT,-1,-1;NAME\_CATGY 'NAME\_CATGY' true true false 19 Text 0 0 ,First,#,S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element Occurance\NHEO.gdb\NHEO\_POLY,NAME\_CATGY,-1,-1;Shape\_Length 'Shape\_Length' false true true 8 Double 0 0 ,First,#,S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element Occurance\NHEO.gdb\NHEO\_POLY,Shape\_Length,-1,-1;Shape\_Area 'Shape\_Area' false true true 8 Double 0 0 ,First,#,S:\GIS-TechShare\SDVProject\_Data\SDV Priority 2 Data\33HQR - NHEO (Natural Heritage Element Occurance\NHEO.gdb\NHEO\_POLY,Shape\_Area,-1,-1" # "Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON"

**Process:**

\***Date:** 20101026  
 \***Time:** 190306  
 \***Tool location:** D:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Conversion Tools.tbx\FeatureClassToFeatureClass  
 \***Command issued:** FeatureClassToFeatureClass "Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON" "Database Connections\sdv\_public@tccdq26.sde" HQR\_NHEO\_POLYGON # "EO\_ID 'EO\_ID' true true false 8 Double 8 38 ,First,#,Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON,EO\_ID,-1,-1;ESTI\_ACCR 'ESTI\_ACCR' true true false 9 Text 0 0 ,First,#,Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON,ESTI\_ACCR,-1,-1;EO\_STAT 'EO\_STAT' true true false 9 Text 0 0 ,First,#,Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON,EO\_STAT,-1,-1;NAME\_CATGY 'NAME\_CATGY' true true false 19 Text 0 0 ,First,#,Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON,NAME\_CATGY,-1,-1;SHAPE\_AREA 'SHAPE\_AREA' false false true 0 Double 0 0 ,First,#,Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON,SHAPE.AREA,-1,-1;SHAPE\_LEN 'SHAPE\_LEN' false false true 0 Double 0 0 ,First,#,Database Connections\sdv\_public@tccdt26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON,SHAPE.LEN,-1,-1" # "Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON"

**Process:**

\***Date:** 20101026  
 \***Time:** 190310  
 \***Tool location:** D:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx\ChangePrivileges  
 \***Command issued:** ChangePrivileges "Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON" SDV\_PUBLIC\_READER GRANT AS\_IS "Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON"

**Process:**

\***Date:** 20101026  
 \***Time:** 190317  
 \***Tool location:** D:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx\Analyze  
 \***Command issued:** Analyze "Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON" BUSINESS

"Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON"

**Process:**

\***Date:** 20101026

\***Time:** 190322

\***Tool location:** D:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx\Analyze

\***Command issued:** Analyze "Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON" FEATURE "Database Connections\sdv\_public@tccdq26.sde\SDV\_PUBLIC.HQR\_NHEO\_POLYGON"

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