

Draft Guideline
Content Elements for Regional/Statewide Publication of Core Geospatial
Parcel Data
State of North Carolina
May 7, 2004

Cadastral core data is a minimum set of attributes about land parcels that is used for publication and distribution of cadastral information by cadastral data producers and maintainers. The core data is intended to provide sufficient information to support integrating basic land parcel information across jurisdictional boundaries and answering fundamental questions for business processes that need cadastral information. This document contains descriptions of the elements for parcels that may be provided by local data producers to integrate parcel information across the region. More detailed information will always be gathered from the data producer.

The following are UNDERLYING ELEMENTS for the Mapping of Parcels

In order to integrate information across the state and build a seamless parcel map for North Carolina the parcel needs to be tied to a common coordinate system. The National Standards specify the elements for this common reference. *North Carolina counties already meet all of these national specifications, which include:*

The National Spatial Reference System (NSRS) - This is coordinated and managed by the National Geodetic Survey and provides a consistent and uniform definition of coordinate system, datums and monumented points throughout the country. *In North Carolina, this is supported by the work of the NC Geodetic Survey.*

Orthophotography - This is orthophotography at one foot or smaller resolution that is tied to the NSRS and is current. The orthophotography includes the underlying terrain model to support the generation of the orthophotography and basic terrain information such as break lines. *In North Carolina, the NC Land Records Management Program maintains specifications for the collection of orthophotography for the purpose of land records management in local government.*

A reference system such as a State Plane Coordinate System that is divided into map sheets. *In North Carolina, the NC State Plane Coordinate system is used as a grid reference for the creation of map sheets.*

A **metadata reference** will describe the parcel dataset for any given jurisdiction and will meet Federal Geographic Data Committee Content Standard for Digital Geospatial Metadata. It will contain information about the entire data set such as county name, county parcel contact, a description of the basis for the assessment system (cost, use, market value etc), the date of the file. – *In North Carolina, the Center for Geographic Information & Analysis provides support and guidance.*

The following are **PUBLICATION ELEMENTS** that meet common producer and stakeholder needs for sharing, display, and use of geospatial parcel data, especially for regional and statewide requirements. They are grouped into 3 participation levels: Required Elements; Desired Elements; and Other Elements

<p>Required Elements</p>	<p>Parcel Outline (Polygon) - This is the geographic extent of the parcel, the parcel boundaries forming a closed polygon</p> <p>Parcel Centroid - A point within the parcel that can be used to link related data</p> <p>Parcel ID - A unique identifier for the parcel as defined by the jurisdiction. It should be unique across the jurisdiction</p> <p>Source Reference - This is a pointer to or an attribute describing the source reference for the parcel.</p> <p>Source Reference Date - The date of the geometry source reference referred to in the Source Reference</p> <p>Owner Type - The type of ownership is the classification of owner or exempt status.</p> <p>Improvement - This is an attribute to indicate whether or not there is an improvement on the parcel</p> <p>Land Area - The area of land as indicated in deeds or the survey</p>
<p>Desired Elements</p>	<p>Owner Name - An indication of the owner name</p> <p>Assessment / Value for Land Information - This is the value of the land only</p> <p>Assessment / Value for Improvements Information - This is the value of improvements</p> <p>Assessment / Value Total - This information is the total value</p> <p>Assessment / Value Classification - This is the assessment or tax classification of the parcel. There may be more than one assessment classifications for a parcel, include them all.</p> <p>Tax Bill Mailing Address - This is the US Postal address for the tax bill mailing</p> <p>Parcel Street Address – This is the street address (site address) for the parcel. If there is more than one select the first site address</p> <p>Subdivision Name - This is the name of the subdivision or condominium name in which the parcel is located</p> <p>Parcel Area - Acreage of the parcel.</p> <p>Parcel Zoning – This is the current land use zoning classification for the parcel. There may be more than one zoning classifications for a parcel, include them all.</p>
<p>Other Elements</p>	<p>Public Parcel Name - For publicly owned parcels, this is the commonly recognized name of the parcel (ex: Dad Dunham Park)</p> <p>Public Parcel Contact Office – For publicly owned parcels, this is the organization that oversees management of the parcel (ex: Cary Parks Department)</p> <p>Public Parcel Contact Office Telephone – For publicly owned parcels, this is the telephone number of the organization that oversees management of the parcel.</p>

A North Carolina Implementation using the PUBLICATION ELEMENTS

Participation Level	NationalCad Element Name	Element Type	NC Element Source	NC Name	County Example
Required Elements	Parcel Outline (Polygon)	Geometric	Parcel Map	N/A	N/A
	Parcel Centroid	Geometric	Parcel Map	N/A	N/A
	Parcel ID	Attribute	Parcel ID Number	PIN#	0754054071
	Source Reference	Attribute	Deed Book Page	Deed Book Page	6982/0441
	Owner Type or Exempt Status	Attribute	Property Card/cama	OwnType	Exempt
	Improvement	Attribute	Property Card/cama	Improve	Yes
	Land Area	Attribute	Deed/Survey	Larea	0.4886
Desired Elements	Owner Name	Attribute	Deed	OwnName	Winn, Mary & Charles
	Assessment / Value - Land	Attribute	Property Card/cama	Assess\$Land	163800
	Assessment / Value - Improvement	Attribute	Property Card/cama	Assess\$Impr	274051
	Assessment / Value - Total	Attribute	Property Card/cama	Assess\$Total	437851
	Assessment Value Classification	Attribute	Property Card/cama	Assess\$Class	Cultivated
	Tax Bill Mailing Address	Attribute	Property Card/cama	Address1 Address2 City State Zip	PO Box 96 Sharpsburg NC 27878
	Parcel Street Address	Attribute	Property Card/cama	Address1 Address2 City State Zip	104 Pond Bluff Way Cary NC 27513-6027
	Subdivision Name	Attribute	Property Card/cama	SubDiv	Red Mountain
	Parcel Zoning	Attribute	Property Card/cama	Zoning	R-30
Other Elements	Public Parcel Name	Attribute	tbd	Public Name	Lake Crabtree Park
	Public Parcel Contact Office	Attribute	tbd	Public Contact	Cary Parks & Recreation
	Public Parcel Contact Office Telephone	Attribute	tbd	Public Telephone	(919) 467-XXXX
	Other	Attribute	tbd	tbd	tbd