

# Content Elements for Statewide Publication of Core Geospatial Parcel Data Version ~~1~~2

(Proposed by the NC Statewide Mapping Advisory Committee in 2005 and revised in 2016)

**Version 1 Adopted May 11, 2005 and Version 2 Adopted \*\*\*\*\* by the  
NC Geographic Information Coordinating Council**

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 and state. More detailed information will may always be requested 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 in the Department of the Secretary of State, maintains specifications (revised August 2004December 2014) -for the collection of orthophotography for the purpose of land records management in local government and that meet these guidelines. There are existing orthophotographs that were captured at two foot resolutionNorth Carolina's Statewide Orthoimagery Program provides statewide imagery to local governments consistent with state specifications at 6-inch ground resolution.*

**AThe reference system such as ais the North Carolina 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, date of the file, field definitions, and other descriptive information about property tax assessment, ~~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 for metadata.

The following are desirable **PUBLICATION ELEMENTS** that meet common **producer and stakeholder needs** for sharing, display, and use of geospatial parcel data, especially to cast into regional and statewide applications (Examples: -NC OneMap and The National Map).

<u>Element</u> <u>Geometry</u>		<u>Description</u>
Parcel Outline (Polygon)		This is the geographic extent of the parcel, the parcel boundaries forming a closed polygon.
Parcel Centroid		A point within the parcel that can be used to link related data <u>or display at smaller mapping scales. It may be but need not be the geometric centroid; placement inside the boundary of the associated polygon is required.</u>
<u>Element</u> <u>Fields</u>	<u>Field Name</u>	<u>Field Description</u>
Parcel ID	<u>PARNO</u>	A unique identifier for the parcel as defined by the jurisdiction. It should be unique across the jurisdiction.
Parcel ID Alternate	<u>ALTPARNO</u>	An alternate unique identifier for the parcel as defined by the jurisdiction. It should be unique across the jurisdiction.
Owner Name <sub>1</sub>	<u>OWNNAME</u>	An indication of the owner name <u>(full name).</u>
<u>Owner Name<sub>2</sub></u>	<u>OWNNAME2</u>	<u>A second owner name if available.</u>
Owner's Mailing Address	<u>MAILADD</u> <u>MCITY</u> <u>MSTATE</u> <u>MZIP</u>	This is the US Postal -address for the owner <u>(street number, street direction, street name, street type)</u> , which is <del>commonly</del> <u>not the tax bill mailing address for the tax bill, but not in all cases. Separate fields for city, state, and ZIP code are common and recommended.</u>
Parcel Street Address	<u>SITEADD</u> <u>SCITY</u> <u>SSTATE</u> <u>SZIP</u>	This is the <u>location of the property as the primary</u> street address (site address) for the parcel. <del>If there is more than one select the first site address.</del> <u>Separate fields for city, state, and ZIP code are recommended.</u>
Subdivision Name	<u>SUBDIVISIO</u>	This is the name of the subdivision or condominium name in which the parcel is located.
Land Area	<u>RECCAREANO</u>  <u>GISACRES</u>	The area of land <u>in acres as indicated-recorded</u> in deeds or the survey <u>in number format. An additional field in text format may be useful depending on the source format for land area.</u>  <u>The area of land in acres as calculated from the geometry of the polygon using a geographic information system (GIS).</u>
Source Reference	<u>SOURCEREF</u>	This is a pointer to or an attribute describing the source reference <u>(e.g., deed book and page)</u> for the parcel.
Source Reference Date	<u>SOURCEDATE</u>	The date of the <del>geometry source reference referred to in the Source Reference</del> <u>(Date recorded date of the deed or plat, ) in date format).</u>
<u>Map Reference</u>	<u>MAPREF</u>	<u>This is a pointer to or an attribute describing the recorded map reference (e.g., plat book and page) for the parcel.</u>
Owner Type	<u>OWNTYPE</u>	The type of ownership, <del>or is the a</del> <u>classification of owner or exempt by taxable status (e.g., private taxable or exempt as defined by NC Department of Revenue Form</u>

<b>Improvement</b>	<b><u>STRUCT</u></b>	<u>AV-50</u> . This is an attribute to indicate whether or not there is an improvement <u>or structure</u> on the parcel ( <u>yes or no</u> ).
<b><u>Number of Structures</u></b>	<b><u>STRUCTNO</u></b>	<u>Number of structures on a property.</u>
<b><u>Year Structure Built</u></b>	<b><u>STRUCTYEAR</u></b>	<u>Year of construction of a primary structure.</u>
<b><u>Multiple Structures on Property</u></b>	<b><u>MULTISTRUC</u></b>	<u>Multiple structures on property (yes, no, or unknown).</u>
<b><u>Assessment /Appraised Value for Land Information</u></b>	<b><u>LANDVAL</u></b>	This is the <u>appraised</u> value of the land only.
<b><u>Assessment /Appraised Value for Improvements Information</u></b>	<b><u>IMPROVAL</u></b>	This is the <u>appraised</u> value of improvements.
<b><u>Assessment / Value Total</u></b>	<b><u>PARVAL</u></b>	This <del>information</del> is the total value <u>of the parcel (defined in the PARVALTYPE field).</u>
<b><u>Parcel Value Type</u></b>	<b><u>PARVALTYPE</u></b>	<u>Parcel value type (usually either the assessed value or appraised value of the property).</u>
<b><u>Assessment / Value Classification Parcel Use Description</u></b>	<b><u>PARUSEDESC</u></b>	This is the assessment or tax classification of the parcel. These are typically very general and used by assessors (e.g., wooded, open, water, farmland).
<b><u>Parcel Use Code</u></b>	<b><u>PARUSECODE</u></b>	<u>A code for use of the parcel, described in a related field or table.</u>
<b><u>Parcel Zoning</u></b>		<del>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.</del>
<b><u>Present Use Value</u></b>	<b><u>PRESENTVAL</u></b>	<u>This is an indicator of Present Use Value of the parcel (yes, no, or unknown). Land used for agriculture, forestry, horticulture, or a combination may be assessed based on its current use, not based on market value.</u>
<b><u>Source Agent</u></b>	<b><u>SOURCEAGNT</u></b>	<u>Authoritative source of the cadastral data (e.g., Alamance County Tax Assessor).</u>
<b><u>Legal Description</u></b>	<b><u>LEGDECFULL</u></b>	<u>Legal description of the property.</u>
<b><u>Revision Date</u></b>	<b><u>REVISEDATE</u></b>	<u>Date of the last revision to geometry or field, in date format.</u>
<b><u>Sale Date</u></b>	<b><u>SALEDATE</u></b>	<u>Date of the last sale of the property in date format. An additional field for text format may be useful.</u>
<b><u>Subsurface Owner</u></b>	<b><u>SUBSURFOWN</u></b>	<u>Name of the subsurface owner.</u>

<u>Subsurface Owner Type</u>	<u>SUBOWNTYPE</u>	<u>Type of subsurface owner.</u>
<u>Additional Fields</u> <u>Not Managed in Local Government Data, Generated by the State for Statewide Datasets</u>	<u>Field Name</u>	<u>Field Description</u>
<u>State Name</u>	<u>STNAME</u>	<u>State name in standard abbreviation</u>
<u>County Name</u>	<u>CNTYNAME</u>	<u>County name (e.g., Alamance)</u>
<u>County Identifier</u>	<u>CNTYFIPS</u>	<u>County identifier from the Federal Information Processing Standards (FIPS).</u>
<u>State Identifier</u>	<u>STFIPS</u>	<u>State FIPS identifier.</u>
<u>State and County Identifier</u>	<u>STCNTYFIPS</u>	<u>Combination of state and county FIPS as a unique identifier.</u>
<u>National Parcel Number</u>	<u>NPARNO</u>	<u>Nationally Unique Identifier as a combination of state/county FIPS and parcel identification number.</u>
<u>GNIS Identifier</u>	<u>GNISID</u>	<u>The county identifier from the Geographic Names Information System, US Geological Survey.</u>
<u>Transformation Date</u>	<u>TRANSDATE</u>	<u>The date of transformation of a source county parcel dataset to a standardized NC Parcels dataset.</u>

Note: Appropriate disclaimers and source information on assessment elements will be recorded in metadata.

## An Example for North Carolina using ~~the~~ PUBLICATION ELEMENTS

Element	Type	<u>Source</u> Field Name	Example <u>Entry-Value</u>
Parcel Outline (Polygon)	Geometric	N/A	N/A
Parcel Centroid	Geometric	N/A	N/A
Parcel Identification	Attribute	<u>PIN#</u>	0754054071
Parcel Identification Alternate	Attribute	<u>PIN#_Alt</u>	1000-1000-02
Owner Name	Attribute	<u>OwnName</u>	Geo, Mary & Charles
Owner's Mailing Address	Attribute	<u>Address1</u> <u>Address2</u> <u>City</u> <u>State</u> <u>Zip</u>	PO Box 96 Sharppoint NC 46821-6709
Parcel Street Address	Attribute	<u>Address1</u> <u>Address2</u> <u>City</u> <u>State</u> <u>Zip</u>	104 Beacon Way Onemapcity NC 13206-6027
Subdivision Name	Attribute	<u>SubDiv</u>	Red Mountain
Land Area from Deed or Survey	Attribute	<u>LareaDeed Acres</u>	0.4886
Source Reference	Attribute	<u>Deed</u> <u>Book</u> <u>Page</u>	6982/0441
Source Reference Date	Attribute	<u>Date</u>	19780415
Owner Type or Exempt Status	Attribute	<u>OwnType</u>	Exempt
Improvement	Attribute	<u>Improve</u>	Yes
<u>Assessment / Appraised Value - Land</u>	Attribute	<u>Assess\$LandLand</u> <u>Val</u>	163800
<u>Assessment / Appraised Value - Improvement</u>	Attribute	<u>Assess\$ImprBldg</u> <u>Val</u>	274051
<u>Assessment / Value - Total</u>	Attribute	<u>Assess\$TotalVal</u>	437851
<u>Parcel Value Type</u>	<u>Attribute</u>	<u>TotalAssessed</u>	<u>Assessed</u>
<u>Assessment Value Classification</u> <u>Parcel Use Description</u>	Attribute	<u>Assess\$Class</u>	Wooded
<u>Number of Structures</u>	<u>Attribute</u>	<u>NumBldg</u>	<u>1</u>
<u>Parcel Zoning</u> <u>Year Structure Built</u>	Attribute	<u>ZoningYearBuilt</u>	<u>R-302009</u>

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