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

Developed by the NC Statewide Mapping Advisory Committee in 2005 and revised in 2016

Version 1 Adopted May 11, 2005
Version 2 Adopted August 10, 2016
NC Geographic Information Coordinating Council

Cadastral core data is a minimum set of elements that describe land parcels used for publication and distribution by data producers and maintainers. The elements provide basic land parcel information for integration across jurisdictional boundaries to facilitate research and analysis. This document describes the elements required to achieve that end. As always, data producers may publish additional elements.

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 December 2014) for the collection of orthophotography for the purpose of land records management in local government and for meeting these guidelines. North Carolina's Statewide Orthoimagery Program provides statewide imagery to local governments consistent with state specifications at 6-inch ground resolution.*

The grid reference system is the North Carolina State Plane Coordinate System.

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 dataset such as county name, county parcel contact, date of the file, field definitions, and other descriptive information about property tax assessment. – *In North Carolina, the Center for Geographic Information and Analysis provides support and guidance for metadata.*

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

Element <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 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.
Element <u>**Fields**</u>	<u>**Field Name**</u>	<u>**Field Description**</u>
Parcel ID	**PARNO**	A unique identifier for the parcel as defined by the jurisdiction. It should be unique across the jurisdiction.
Parcel ID Alternate	**ALTPARNO**	An alternate unique identifier for the parcel as defined by the jurisdiction. It should be unique across the jurisdiction.
Owner Name1	**OWNNAME**	An indication of the owner name (full name).
Owner Name2	**OWNNAME2**	A second owner name if available.
Owner's Mailing Address	**MAILADD** **MCITY** **MSTATE** **MZIP**	This is the US Postal address for the owner (street number, street direction, street name, street type), which is commonly the mailing address for the tax bill, but not in all cases. Separate fields for city, state, and ZIP code are common and recommended.
Parcel Street Address	**SITEADD** **SCITY** **SSTATE** **SZIP**	This is the location of the property as the primary street address (site address) for the parcel. Separate fields for city, state, and ZIP code are recommended.
Subdivision Name	**SUBDIVISIO**	This is the name of the subdivision or condominium name in which the parcel is located.
Land Area	**RECAREANO**	The area of land in acres as recorded in deeds or the survey in number format. An additional field in text format may be useful depending on the source format for land area.
	GISACRES	The area of land in acres as calculated from the geometry of the polygon using a geographic information system (GIS).
Source Reference	**SOURCEREF**	This is a pointer to or an attribute describing the source reference (e.g., deed book and page) for the parcel.
Source Reference Date	**SOURCEDATE**	The date of the Source Reference (recorded date of the deed, in date format).

Map Reference	**MAPREF**	This is a pointer to or an attribute describing the recorded map reference (e.g., plat book and page) for the parcel.
Owner Type	**OWNTYPE**	The type of ownership, or a classification of owner by taxable status (e.g., private taxable or exempt as defined by NC Department of Revenue Form AV-50).
Improvement	**STRUCT**	This is an attribute to indicate whether or not there is an improvement or structure on the parcel (yes or no).
Number of Structures	**STRUCTNO**	Number of structures on a property.
Year Structure Built	**STRUCTYEAR**	Year of construction of a primary structure.
Multiple Structures on Property	**MULTISTRUC**	Multiple structures on property (yes, no, or unknown).
Appraised Value for Land	**LANDVAL**	This is the appraised value of the land only.
Appraised Value for Improvements	**IMPROVVAL**	This is the appraised value of improvements.
Value Total	**PARVAL**	This is the total value of the parcel (defined in the PARVALTYPE field).
Parcel Value Type	**PARVALTYPE**	Parcel value type (usually either the assessed value or appraised value of the property).
Parcel Use Description	**PARUSEDESC**	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).
Parcel Use Code	**PARUSECODE**	A code for use of the parcel, described in a related field or table.
Present Use Value	**PRESENTVAL**	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.
Source Agent	**SOURCEAGNT**	Authoritative source of the cadastral data (e.g., Alamance County Tax Assessor).
Legal Description	**LEGDECFULL**	Legal description of the property.
Revision Date	**REVISEDATE**	Date of the last revision to geometry or field, in date format.
Sale Date	**SALEDATE**	Date of the last sale of the property in date format. An additional field for text format may be useful.
Subsurface Owner	**SUBSURFOWN**	Name of the subsurface owner.
Subsurface Owner Type	**SUBOWNTYPE**	Type of subsurface owner.

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

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

An Example for North Carolina using <u>PUBLICATION ELEMENTS</u>

Element	Type	Source Field Name	Example Value
Parcel Outline (Polygon)	Geometric	N/A	N/A
Parcel Centroid	Geometric	N/A	N/A
Parcel Identification	Attribute	PIN	0754054071
Parcel Identification Alternate	Attribute	PIN_Alt	1000-1000-02
Owner Name	Attribute	OwnName	Geo, Mary & Charles
Owner's Mailing Address	Attribute	Address1 Address2 City State Zip	PO Box 96 Sharppoint NC 46821-6709
Parcel Street Address	Attribute	Address1 Address2 City State Zip	104 Beacon Way Onemapcity NC 13206-6027
Subdivision Name	Attribute	SubDiv	Red Mountain
Land Area from Deed or Survey	Attribute	Deed_Acres	0.4886
Source Reference	Attribute	Deed Book Page	Deed Book/Page 6982/0441
Source Reference Date	Attribute	Date	19780415
Owner Type or Exempt Status	Attribute	OwnType	Exempt
Improvement	Attribute	Improve	Yes
Appraised Value - Land	Attribute	LandVal	163800
Appraised Value - Improvement	Attribute	BldgVal	274051
Value - Total	Attribute	TotalVal	437851
Parcel Value Type	Attribute	TotalAssessed	Assessed
Parcel Use Description	Attribute	Class	Wooded
Number of Structures	Attribute	NumBldg	1
Year Structure Built	Attribute	YearBuilt	2009

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