

A black bear is standing in a field of tall grass and yellow wildflowers. In the foreground, a white calf is looking towards the camera. The background is a soft-focus field of similar vegetation.

FGDC SUBCOMMITTEE FOR CADASTRAL DATA

October 2004 – Albuquerque,
New Mexico Meeting

Stewardship

The National Spatial Data Infrastructure is the means to assemble geographic information that describes the arrangements and attributes of features and phenomena on the Earth. The infrastructure includes the materials, technology, and people necessary to acquire, process, store, maintain and distribute such information to meet a variety of needs.
(National Research Council, 1993)

06/06/2004

Stewardship

	Infrastructure Component		
Stage	Data	Partnerships	Technology
Initial Collection	Content standards and quality	Data contributors, Field collection, data compilation	Field collection and computational software
Maintenance and Integration	Content standards and quality, transactions and currency	Data contributors, Field collection custodianship and stewardship	Computational software, and data integration tools
Publication and Distribution	Cadastral Data Core Standard and currency	Data publishers, distribution and Access	Internet tools, data distribution and access tools, access security

Stewardship

4.1 Spatial Reference

The National Geodetic Reference System (NGRS) - This is coordinated and managed by the National Geodetic Survey and provides a consistent and uniform definition of coordinate system, datums and monumented points across a jurisdiction.

Orthophotography - This is orthophotography at one foot or smaller resolution that is tied to the NGRS 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.

06/06/2004

Stewardship

4.2 Cadastral Reference

Corners of Common Usage – These are corners or reference points that are used extensively by land surveyors and others to generate legal descriptions and surveys. Corners of Common Control

Grid or Cell Reference System – This is the primary division of parcels that is used for parcel mapping and parcel reference. The requirement of the Grid/Cell System is to uniquely cover the jurisdiction.

Hydrography - Sufficient hydrography to support the definition of cadastral features. In Coastal areas this includes tidal limit definitions as possible.

Significant Cadastral Reference Features – These are areas and features that define the primary levels of nested legal descriptions. As examples this might be the exterior boundaries of subdivisions or the boundaries of large public land holdings.

Stewardship

4.3 Parcels

Parcel Outline (Polygon) - This is geographic extent of the parcel, the parcel boundaries forming a closed polygon

Parcel Centroid - This is a point within the parcel that can be used to attach related information. This may be a visual centroid or a point within the parcel. It may not be the mathematical centroid as this point needs to be contained within the parcel polygon.

Parcel ID - A unique identifier for the parcel as defined by the jurisdiction. It should be unique across the jurisdiction

Source Reference - This is a pointer to or an attribute describing the source reference for the parcel. This could be a deed, plat or other document reference.

Source Reference Date - The date of the Source Reference, which is essentially the last update date for this parcel.

Stewardship

4.3 Parcels

Owner Type - The type of ownership is the classification of owner or exempt status.

Improved - This is an attribute to indicate whether or not there is an improvement on the parcel

Owner Name - An indication of the primary owner name, recognizing that there may be multiple owner names or that some owner names may be blocked for security reasons or that some jurisdictions may not allow the distribution of owner names. For Publicly held lands the Owner Name is the surface managing agency, such a Bureau of Land Management, Department of Transportation, etc

Stewardship

4.3 Parcels

Assessment / Value for Land Information - This is the total value of the land only

Assessment / Value for Improvements Information - This is the total value of improvements on the parcel

Assessment / Value Total - This information is the total value of the land and improvements.

Primary Assessment / Value Classification - This is the assessment or tax classification of the parcel. This attribute is the primary or dominate assessment or value classification.

Secondary Assessment / Value Classification - This is the assessment or tax classification of the parcel. There may be more than one assessment classifications for a parcel, these are multiple classifications. Include them all.

Stewardship

4.3 Parcels

Tax Bill Mailing Address - This is the US Postal Service address for the tax bill mailing

Parcel Street Address – This is the street address (site address) for the parcel. If there is more than one select the first or primary site address

Subdivision Name - This is name of the subdivision or condominium name in which the parcel is located, if the parcel is contained in a subdivision or condominium

Parcel Area - The area of the parcel expressed in acres.

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.

Public Parcel Name - For publicly owned parcels, this is the commonly recognized name of the parcel (ex: Dad Dunham Park or Yellowstone Park)

Stewardship

Partnerships

- All federal agencies that manage land in the project area
- All agencies that may have new construction, permitting or other activities in the area such as new road construction, 404 permits, or new surveys
- State Land Agencies and state GIS Coordination agencies
- Registered land surveyors who routinely work in the area
- Utility companies including power, water, telephone and cable
- Large private or non-profit land holders
- County departments and agencies
- Tribal nations
- Municipal agencies and departments

And others who may have specifically asked to be notified of new activity. One of the tools that could be developed to assist with this task could be a web based stakeholder query tool that assists participants in looking for, notifying and identifying potential partners or interested parties. Notifying elected officials at all levels of government should be included in this checklist.

Stewardship

Primary Collector - This is the agency or person who will be responsible for the actual data collection in an area. In any one project there may be more than one primary collector, but the geographic extents should not overlap and should be clearly defined and agreed to.

Control Field Collector - This role will collect positional control in the field and may be different that the cadastral field collector.

Data Contributor - This could be any agency or person who is supply information to he primary data collector. Include control providers and source document providers. This does not include the field collectors.

Quality Control and Assurance - This is the role that manages the overall quality control and content management of the data. Typically the primary data collector in partnership with a subject area expert will team to accomplish this role, but it can also be a separate role.

Subject Matter Expert - This role will provide technical assistance, education or other guidance related to the specific content of the data.

Stewardship

Project Manager - This is a person or agency with management responsibilities for the project and should include the members of the project oversight team.

Interested Party - Define the extent of the interest party's involvement such as progress updates, attending meetings or notification of completion.

Data Steward - The data steward is the role that has authority and responsible charge for the data. In some jurisdictions or organizations this may be called data custodian, but the role described here is the responsible charge for the data, even though the stewards may delegate tasks to others on their behalf, the final authority and accountability rests with the data steward.

Project Communicator - This is the role within an organization that serves as the primary contact for that organization and participates in the Cadastral NSDI for that organization. This is the role that communicates the project importance and function with others in the organization and helps prepare materials to education interested parties within and outside and organization.

Stewardship

Data Host - This is the agency or person who will be responsible for the posting of data to an Internet site. There may be primary and secondary data hosts to ensure redundancy and available. If there are multiple data hosts the partnership agreements should ensure that the same data is available in both places.

Data Access Application - These are partners that provide application programs to browse, retrieve, view or to otherwise use the Cadastral NSDI. There can be more than one data access application available to Internet or Internet users to access the Cadastral NSDI.

Funding - These are all stakeholders who are providing dollars to a project including the amounts and schedules for these dollars. Funding may include in kind matching.