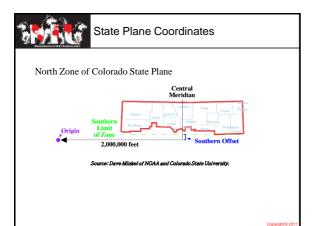


Lesson 9: Land-Partitioning Systems

In this section you will learn:

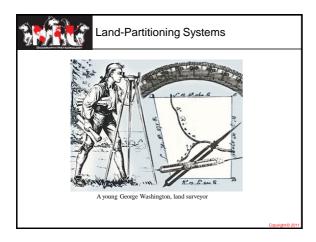
- 1. Cadastral systems and their significance
- 2. The U.S. Public Land Survey System

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Metes & Bounds



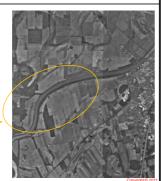
"Beginning at a stone on the Bank of Doc River, at a point where the highway from A. to B. crosses said river (see point marked C. on Diagram 1); thence 40 degrees North of West 100 rods to a large stump; then 10 degrees North of West 90 rods; thence 15 degrees West of North 80 rods to an oak tree (see Witness Tree on Diagram 1); then due East 150 rods to the highway; thence following the course of the highway 50 rods due North; then 5 degrees North of East 90 rods, thence 43 degrees of South 60 rods; thence 10 degrees North of East 200 rods to the Doc River; thence following the course of the river Southwesterly to the place of beginning."

from: http://www.cadastral.com/

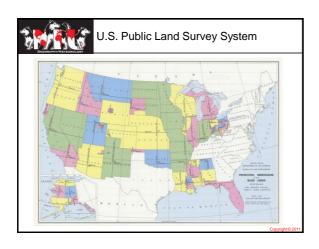
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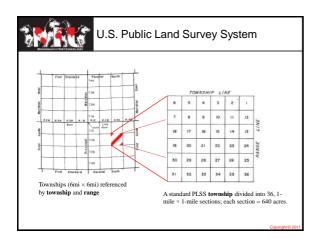


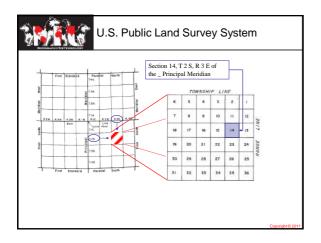
French Long Lots

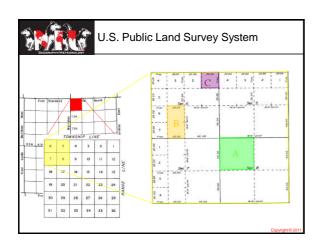


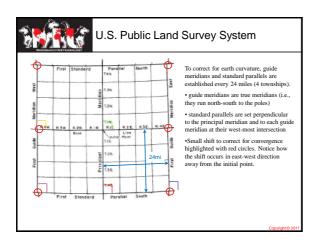
Remnants of French Long Lot cadastral geography near Vincennes, Indiana. Source: U.S.G.S. Digital Orthophoto Quads

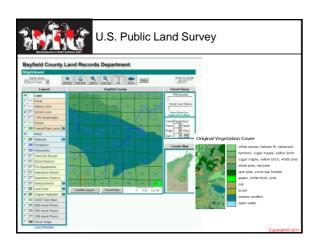


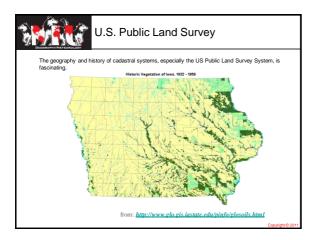














Lesson 9: Land-Partitioning Systems

Again we've covered quite a bit of material, so let's recap some key concepts:

- State Plane zones are determined by the size and shape of the state. Small states may be
 covered in one zone, targe states in 2 or more. State plane coordinates are projected to a conic
 or transverse conic base. NAD27 coordinate units are survey feet; NAD33 units are meters.
- Cadastral systems specify the rules by which land is partitioned for ownership, delineated on the landscape, and recorded for legal purposes. The U.S. Public Land Survey System divides the country into townships and sections and partitions land by siliquot parts (of a section).
- COUNTY INTO CONTRINIES aftol Sections and parameters after by support per a section.

 The meters and bounds system describes a parcel of property in terms of distances, directions, and visual cues. The term metes refers to measurements of distance and the term bounds to directions. The layout of a specific property is described from a point-of-beginning as a series of directions and distances, returning to the point-of-beginning.
- The principal cadastral system for the bulk of the United States is the Public Land Survey System. Created by Congress in 1785 in order to facilitate the settlement of new lands, the PLSS extends across 30 states and over 3 million square miles
- Legally, all land parcel boundaries are permanently tied to the section corner monuments established by the original PLSS survey. No matter what errors were made back then, or how accurate our survey instruments are today, the historic description of a parcel is its true and permanent legal description.

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