# Investigating New Landscapes

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October 2011

#### Discovery

What is geography?

What is historical geography?

Environmental history

How do geographers gather data?

How do geographers analyze data?

#### Geography

The Study of Earth

Spatial Patterns

Spatial Relationships

Landscapes of Meaning

#### Historical Geography

Spatial relationships, regional dynamics and landscapes in specific *historical eras*.

Environmental history with aerial work based on hypothesis or research question

Data

Quantitative – "dotable data"

Qualitative – context/accounts/collaborated

Analysis: Data management to find themes

Conclusion: Answer the hypothesis

#### **Gathering Data**

Quantitative Methods Data measured in numerical values Analysis with mathematical logic Linear flow from data to conclusion Confirmed with same procedures Qualitative Methods
 Data gathered through personal observation

Data gathered through personal interaction (ethnography)

Data gathered through informants

Analysis through organization and classification of gathered data

Context/Accounts/Collaboration

# Pacific Northwest Environmental History (Historical Geography)

- Original Populations Pre-historic (?)
- Exploration by/of Others
- Establishing Footholds
- Reinforcing Claims
- Significant Eras/Time Frames

#### Pre-European Eras

- Archeological Data Post Pleistocene
- Landscape Data
- Oral Histories
- Language Patterns
- Historical (Human Ecology)

### Establishing the Euro-American Era 1600-1850

Push-pull factors

National identity

Wealth vs cash

Relief valve

# Establishing National Claims in the Pacific Northwest

- Trading PostsExtractive Economy
- Military Routes and Camps Cross-Continental
- Missionary Settlements
   Protestant Zeal/Catholic
   Power/Morman Evacuations
- Territorial Government

# Settling 1850-1870

- Wealth of Land/General Land Office PLS
- Pre-Industrial Age
- Agricultural Economy
- Trade Products, Routes and Partners
- Statehoods and Governance

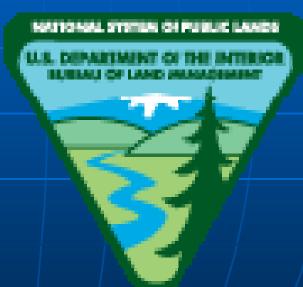
#### Establishing National Claims

Land Surveys http://www.blm.gov/or/landrecords/surve y/ySrvy1.php

Mapping

Property Rights

Taxation



#### Land Surveys

■ U. S. Ordinance Act 1778

Territorial Ordinance

Order on the Landscape

Economic Structures

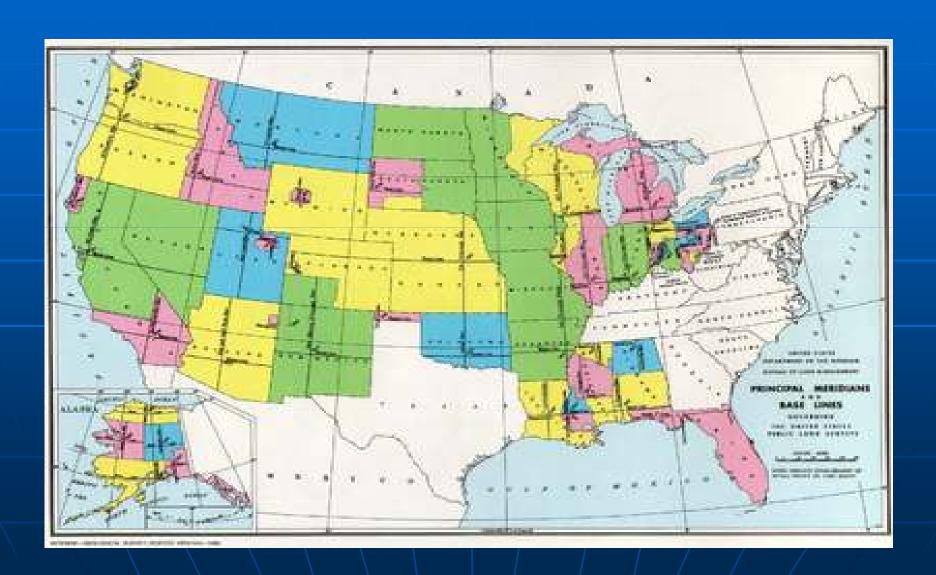


#### Tools of the Trade





#### US Public Land Survey



#### None US PLSurveys

English System

Metes and Bounds



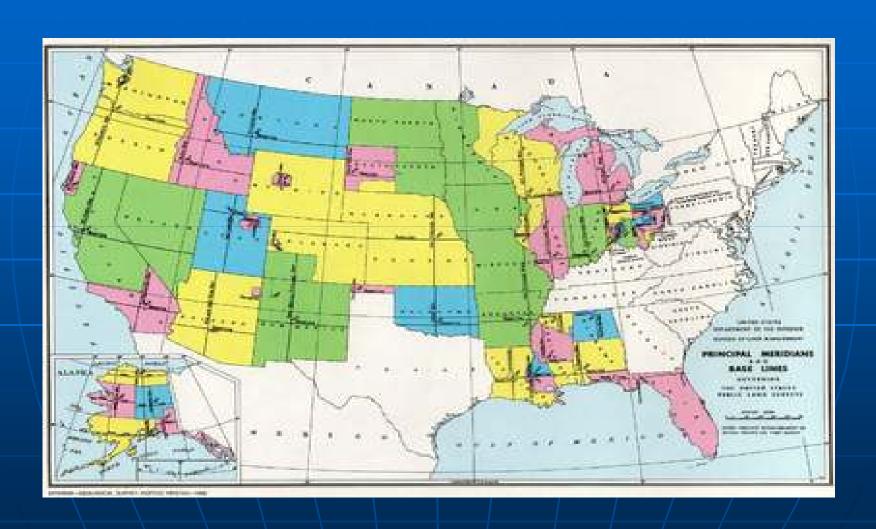
French Arpent
Historically, in North America, 1 (square)
arpent = 32,400 French square feet =
about 3419 square meters

Found in Louisiana and unique locations with French first effective settlement associated with French fur traders including the Willamette Valley

Spanish Land Grants ranchos

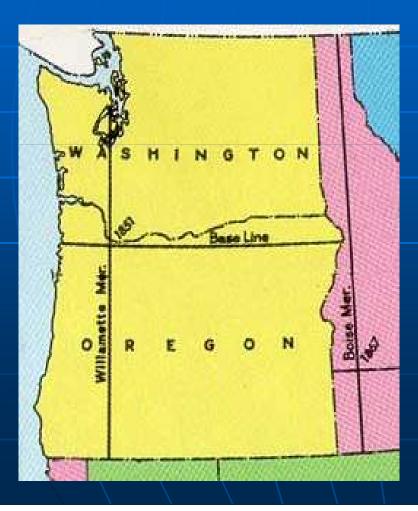
Measured in square leagues
Found in Texas, New Mexico and
California

#### PL Survey Meridians and Baselines



#### Survey of PNW

#### Willamette Meridian Stone Heritage Site

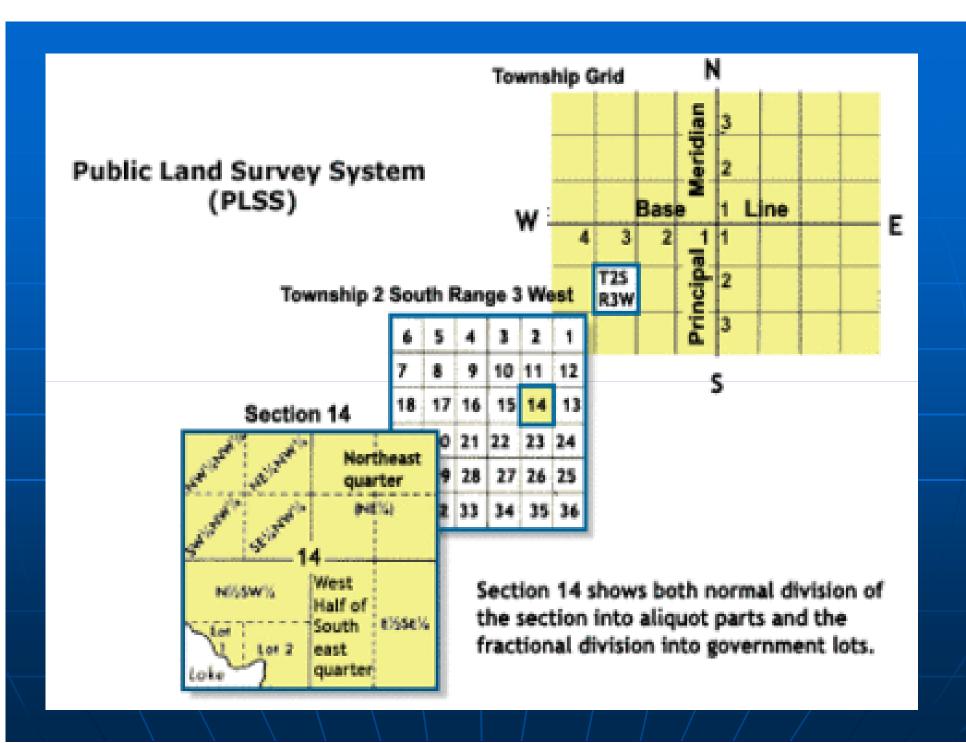






The location of the Willamette Meridian and Willamette Baseline can be identified by various streets that follow their courses, often named to call attention to this fact.

In Thurston County, WA
In Washington County, OR



# Oregon Territory Survey 1851-1855

Quantitative DataOrdinance Survey

Qualitative DataField Notes

#### Field Notes

**Surveyors Notes** 

Your Notes!

#### Qualitative Data Gathering

Field Notes

Location

Conditions

Observations

Interpretation

Themes and Organization

Conclusions

Field Notebooks
In the Field:
Daily Observations
Context of Observations
"What do I record?"

Field Notes: Narrative

Each day of observations is completed with a written narrative summary of the day's works.

Field Notes: Use of Data
Summarize
Quote
Validation
Collaboration
Careful logical statements
Be wary of potential audiences

#### **Environmental Work**

Absolute Information and Description

Data Collection

Absolute Locations – GPS

Relative Significance and Values
Relative Location - GIS

#### **Seminar Questions**

- Is Chaining Oregon the perfect title for this book? What is your response to the title? Did you gain a sense of landscape from the book? Did you 'read' or 'sense' the landscape?
- In another book about the US Ordinance entitled Order on the Landscape lays out the historical and social impacts of the T & R coordinate system. Give an example from Atwood's book that supports this sense of order impressed in the PNW landscape.
- What leadership qualities do you recognize in administrative team vs the surveyors?