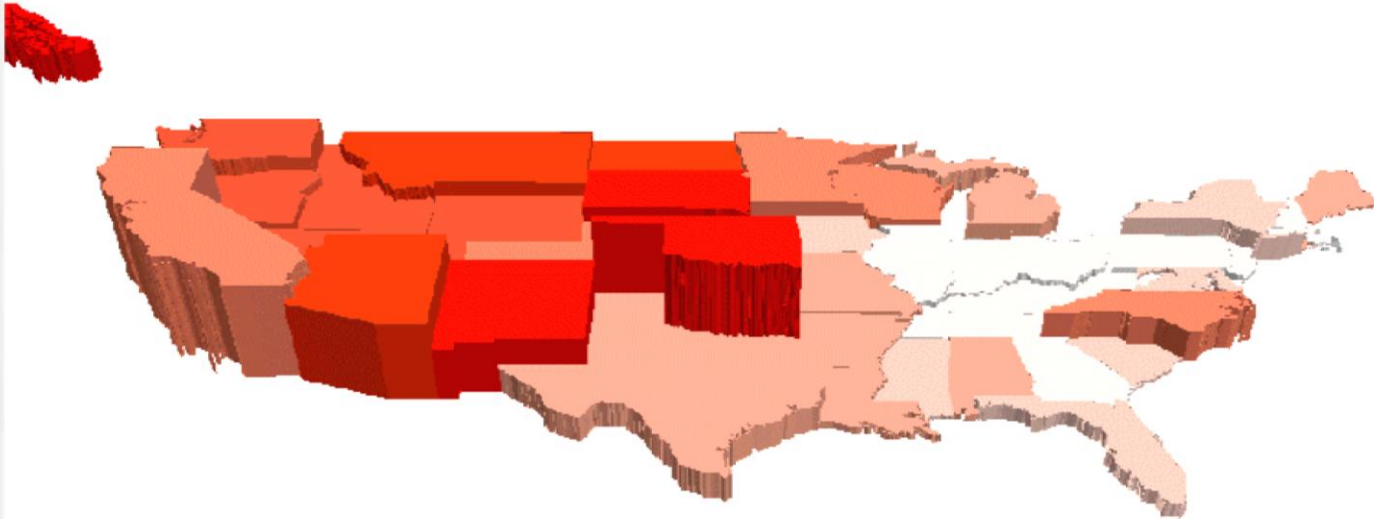


Tracey Hughes, GIS Coordinator
Public Services Forum
March 2009

**A little background
& perspective...**

Spatial & Info Visualization



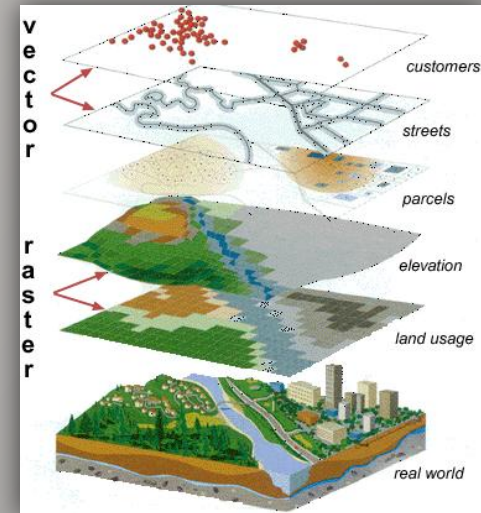
Height represents total # of Native Americans by state and color represents density, or proportion of each state's total population that are Native Americans.

Spatial Thinking & Analysis

- ◎ What is spatial thinking?
 - Puzzles
 - Space planning
 - Imagine a path & potential obstacles
 - Parking the car
 - Problem solving
 - Representations of the world
 - **Relationships**
 - Domain knowledge

GIS is...

- ⦿ **Geographic Information System (or Science)**
- ⦿ Organize, analyze, visualize
- ⦿ Layers & attributes
- ⦿ Another tool for your toolbox



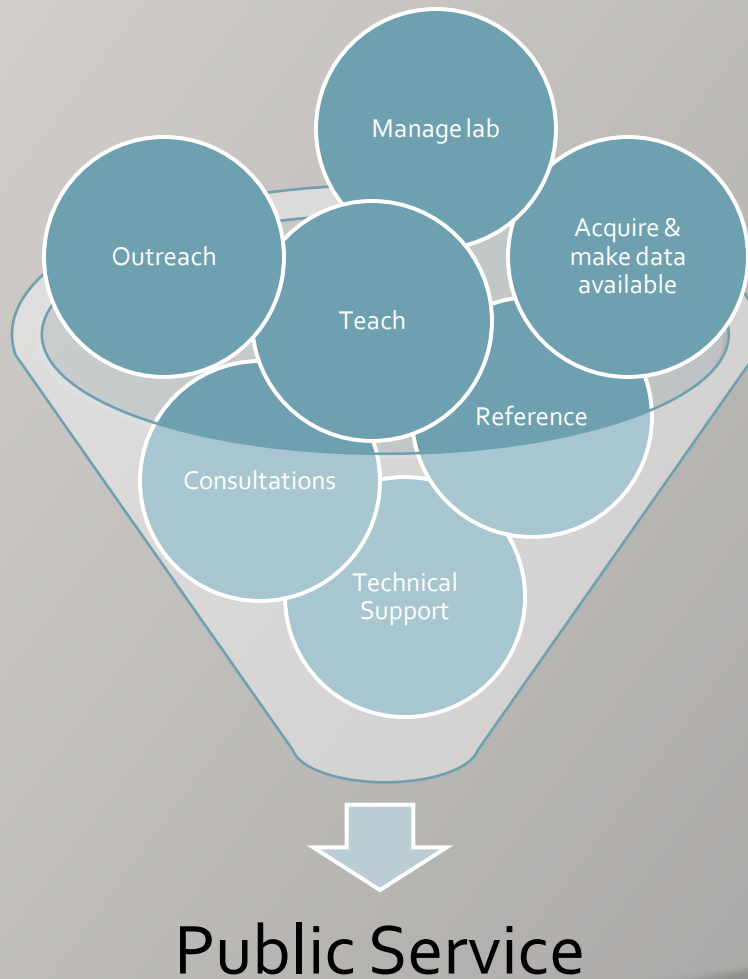
What I do now...

Who I help with GIS @ UCSD

Over 50 departments including:

- Archaeology
- Anthropology
- Biological Anthropology
- Biological Sciences
- Center for Comparative Immigration Studies
- Center for Iberian and Latin American Studies
- Center for Immigration and Population Studies
- Center for US-Mexico Studies
- Chemistry
- Communication
- Computer Science
- Economics
- Engineering
- Environment & Sustainability Initiative
- Environmental Studies
- Environmental Systems
- Ethnic Studies
- Family Medicine
- Film
- Fraternity/Sorority
- Hazardous Materials Management
- History
- IRPS
- Medicine
- Medical Outreach
- Natural Resources
- Political Science
- Preuss School
- Regional Workbench Consortium
- San Diego Supercomputer Center
- SIO
- SIO Geologic Data Center
- SIO OARF Dry Lab
- Sixth College
- Sociology
- Spatial Ecology
- Superfund Basic Research Grant
- TRIO
- Urban Studies & Planning
- Visual Arts
- UCSD Decision Support
- UCSD Environmental Health & Safety
- UCSD Extension
- UCSD Facilities
- UCSD Forestry
- UCSD Natural Reserve System
- UCSD Upward Bound

Overview of current focus



Actual current projects...

- ① Project assistance for urban studies students/Urban Expo
- ① Classes
- ① Outreach
- ① Data, data, data
 - http://delicious.com/gis_resources
- ① GIS in the disciplines
- ① Lab physical organization



What I plan to do...

Upcoming projects & collaborations...

Spatial thinking & analysis

CAA 2009
Urban Studies Senior Sequence

Tools

[Spatial data catalog](#)
Reorganization of CDROM collection
Business Analyst
How-Tos
Delicious collaboration

Data

X Drive
Campus
Mexico
Latin America
Papua New Guinea

Outreach & Events

Places & Spaces
GeoTech Committee/programs
National Center for Geospatial Excellence

Google Earth Pro 5.0

Increased participation with SIO initiative

Interesting tidbits

- ⦿ Data Visualization: <http://flowingdata.com/>
- ⦿ Community Mapping: <http://projects.latimes.com/mapping-la/neighborhoods/>
- ⦿ GIS for collection management: <http://tinyurl.com/bgfcg9>
- ⦿ Museums: <http://www.ushmm.org/maps/>
- ⦿ Language & Google Earth: <http://www.rosettaproject.org/about-us/projects/layers>

I'm interested to hear your thoughts & ideas.



Tracey Hughes
GIS Coordinator
Social Sciences & Humanities Library
UC San Diego
t2hughes @ ucsd.edu
858-534-6854