



FINDING AND UNDERSTANDING SPATIAL DATA



GIS data sources

Where do I find spatial data?

- Federal gov't agencies
- State gov't agencies
- Local gov'ts
- Non-profits
- GIS data clearinghouses
- Geolibraries
- Commercial sites
- <http://www.christinafriedle.com/gis-data-links.html>

Regional Land Information System

□ RLIS - Metro

- All datasets available on C:/data in SS110 (SY)

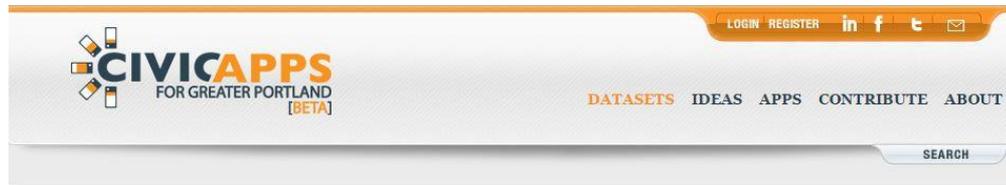
- Freely available data:

 - <http://rlisdiscovery.oregonmetro.gov/>

- Metadata:

 - <http://rlisdiscovery.oregonmetro.gov/?resourceID=6>

Civic Apps



Datasets

Welcome to the CivicApps Data Catalog!

The purpose of the Catalog is to make public data easier to access, and in the process make government data more useful for everyone. The vision is that diverse and rich regional data will facilitate an unprecedented range of new information and options, enabling others to derive solutions to citizens needs.

The Catalog is unique because it includes public datasets from a wide array of local government jurisdictions. It is the only inter-jurisdictional repository of local public data of its kind in the United States, at least as far as we know. This would not be possible without data owners across the greater Portland area joining hands to make government an open data platform.

So check out the Catalog for yourself, beginning with the most recent datasets displayed first. Tell us which datasets are most important to you. If you don't see data that you think should be included, suggest new datasets via the [Contact](#) form.

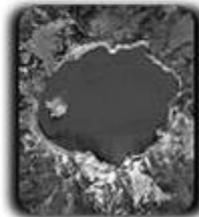
Name	Rating	Agency	Category	Format
Garbage Collection Schedule Areas Residential garbage / recycling / composting curbside collection days and schedules by hauler.	☆☆☆☆☆	City of Portland BPS	Community	Shapefile
Street Trees Street tree species and locations in Clackamas County, Multnomah County, and Washington County, Oregon.	☆☆☆☆☆	City of Portland Parks	Community	Shapefile
Boundaries - LID This polygon feature class surrounds the benefiting properties within local improvement districts (LIDs) that have been formed by City Council since 2001....	☆☆☆☆☆	City of Portland Transportation	Economic Development	Shapefile
Benchmarks ArcGis Layer data for the City of Portland Benchmarks. All elevations are in COP datum. Locations are in NAD83/91, and are approximate. This data is updated...	☆☆☆☆☆	City of Portland Transportation	Geography	Shapefile
Streetlights Streetlight locations and attributes for Clackamas County, Multnomah County, and Washington County, Oregon.	☆☆☆☆☆	City of Portland Transportation	Public Works	Shapefile

Oregon Geospatial Data Library

Oregon Geospatial Data Clearinghouse



[Oregon Spatial Data Library](#)



[Digital Ortho Quads](#)



[DEM Files](#)



[Spatial Data Library Alphabet](#)



[GIS Services and Tools](#)



[GIS Links](#)

U.S. Census Bureau

- Tabular data
 - Decennial Census
 - American Community Survey
- Boundary Files
 - TIGER
 - State, County, City, Congressional districts, Native lands, Urban Areas, Metro Statistical Areas, Zip, etc.
- www.census.gov

National Map Viewer

- US topographic maps, Structures, Transportation, Boundaries, geographic name places, USGS map indices, hydrography, contours, land cover, elevation, orthoimagery
- <http://viewer.nationalmap.gov/viewer/>



Metadata

Data about data

What's in your GIS data?

Nutrition Facts	
Serving Size 1 ounce Servings in bag 4	
Amount Per Serving	
Calories 155	Calories from Fat 93
<hr/>	
% Daily Value*	
Total Fat 11g	16%
Saturated Fat 3g	15%
Trans Fat	
Cholesterol 0mg	0%
Sodium 148mg	6%
Total Carbohydrate 14g	5%
Dietary Fiber 1g	5%
Sugars 1g	
Protein 2g	
<hr/>	
Vitamin A 0%	• Vitamin C 9%
Calcium 1%	• Iron 3%

* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

- **Nutrition labels** are required on packaged food – they tell you everything you need to know to make an informed decision about whether or not you'd like to consume the food
- **Metadata** tell you whether the GIS data is junk food or a nutritious snack
- Nutrition labels do not tell you how to prepare the food – likewise, metadata does not tell you how to **use** the GIS data

What does metadata tell me?

- Name of dataset
- Spatial extent
- Coordinate system
- Attribute descriptions
- How and when the dataset was created
- Who to contact for further information

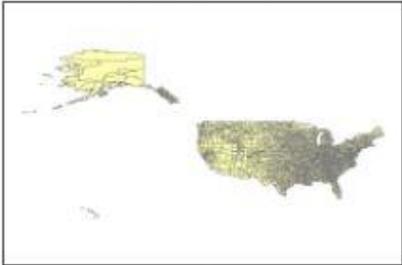
Item description

Contents Preview Description

Print Edit Import

U.S. Counties (Generalized)

Shapefile



Tags

polygon, area, demographics, population, households, farm information, boundaries, society, United States, U.S. Counties, Counties, 1992, 2000, 2001, 1997, 1999, 2002, 2003, 2004, 2004, 2005

Summary
There is no summary for this item.

Description
U.S. Counties (Generalized) represents the counties of the United States in the 50 states and the District of Columbia.

Credits
There are no credits for this item.

Use limitations
See legal constraints.

Detailed display

The screenshot shows the 'Description' tab of an ArcGIS Metadata window. The window has a menu bar with 'Print', 'Edit', 'Validate', 'Export', and 'Import' options. The main content area is titled 'ArcGIS Metadata' and contains several expandable sections: 'Topics and Keywords', 'Citation', 'Citation Contacts', 'Resource Details', and 'Extents'. The 'Extents' section is expanded, showing 'TEMPORAL EXTENT' with 'BEGINNING DATE 1992-06-01' and 'ENDING DATE 2005-05-19'. Below that is 'GEOGRAPHIC EXTENT' with a 'BOUNDING RECTANGLE' section containing 'EXTENT TYPE Extent used for searching', '* WEST LONGITUDE -178.217598', '* EAST LONGITUDE -66.969271', '* NORTH LATITUDE 71.406235', '* SOUTH LATITUDE 18.921786', and '* EXTENT CONTAINS THE RESOURCE Yes'. At the bottom, 'EXTENT IN THE ITEM'S COORDINATE SYSTEM' shows '* WEST LONGITUDE -178.217598' and '* EAST LONGITUDE -66.969271'.

Contents Preview Description

Print Edit Validate Export Import

ArcGIS Metadata ▶

Topics and Keywords ▼

Citation ▼

Citation Contacts ▼

Resource Details ▼

Extents ▶

EXTENT

TEMPORAL EXTENT

BEGINNING DATE 1992-06-01

ENDING DATE 2005-05-19

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -178.217598

* EAST LONGITUDE -66.969271

* NORTH LATITUDE 71.406235

* SOUTH LATITUDE 18.921786

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE -178.217598

* EAST LONGITUDE -66.969271

Accessing metadata

- ArcCatalog
 - ▣ Description tab
- AcrMap
 - ▣ In ArcCatalog window, right-click on layer name and select 'Item Description'
- Readme.txt or .xml file that may come with downloaded GIS data
- To get detailed metadata description:
 - ▣ Customize > Options > Metadata > Metadata style