



DC GIS Steering Committee Meeting

December 7, 2006

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Office of The Chief Technology Officer
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202-727-9307



Agenda

- **Introductions** – Barney Krucoff
- **DC GIS News** – Barney Krucoff
- **DC GIS Goals for FY2007** – Barney Krucoff
- **New 3D Data** – Tim Abdella
- **System Report** – Zhen Lo
 - IntraDB cut-off
 - Making a connection to the new DC GIS Central database
- **Data Report** – Mario Field
- **Training Report** – Tim Abdella
- **The Urban Institute Neighborhood Info DC** – Peter Tatian



News Items

- ArcGIS 9.2 Released
- New Web Applications
 - MPD <http://crimemap.dc.gov>
 - DPW <http://leaf.dcgis.dc.gov/>
- Working with DDOT on City Wide Vending Initiative
- Status
 - Backend server consolidation
 - Vector Property Map
 - CapStat/DCstat data sharing with GIS
 - NPS Freedom of Information Act Request
- NSGIC Update
 - Change in DC Membership Status
- Business data procurement



The DC GIS Logo will be located above the pocket, shirts will be white with red logo.

Cost is estimated to be around \$20.00 per shirt!

Turn around time is about 3 weeks once we place the order.

Please Contact Cheryl Harris at cheryl.harris@dc.gov to place your order!

SP30

Port & Company® - Long Sleeve Value Oxford. SP30

Designer Notes: A tradition passed down from parent to child - there is simply no denying the impeccable classic style of a quality Oxford. And you can get this unbeatable classic style at an incredible value.

Fabric/Style: 4.3-ounce, 60/40 cotton/poly; back pleat, tuck-in tails, pearlized buttons. Features a traditional button-down collar and single patch pocket. Features button-through sleeve plackets and adjustable cuffs.

Adult sizes: XS-4XL



DC GIS FY 2007 Goals

- Organizational & Institutional
- Development Team
- Systems Team
- Data Team
- Customer Service & Training Team



Organizational & Institutional

- DC GIS becomes one of tools the new administration uses to manage the city
- Garner support and budget to resume major data collection in FY 2008, and pay for GIS operations with operating funds.



Development Team

- Launch DC Atlas All-In-One
- Launch additional DC GIS Tools
 - New Pictometry Tool Bar
 - Buffer tool
- Additional Web Services (w/ OP)
 - Metadata Service
 - Thematic mapping attribute data generalization
 - More options for geocoding
 - Faster/Simpler Base Map Service
 - Vector Property Map data look up
 - Data feedback
- GIS added to 3 more agency web sites



Systems Team

- Improve database capacity/stability
- Smooth transition to ArcGIS 9.2
- Establish ArcSDE replication with at least 2 agencies
- Improve development and staging environments and development workflow.
- Improve MAR Redundancy



Data Team

- Publish the Vector Property Map
- Develop and Publish 3D data
- Improve cooperation with USPS and Census on addressing
- DCRA assume Dailey Master Address Repository Maintenance
- DCRA and OTR establish Vector Property Map Maintenance
- Improve Demographic and Business Data
- Add 24 new agency contributed layers

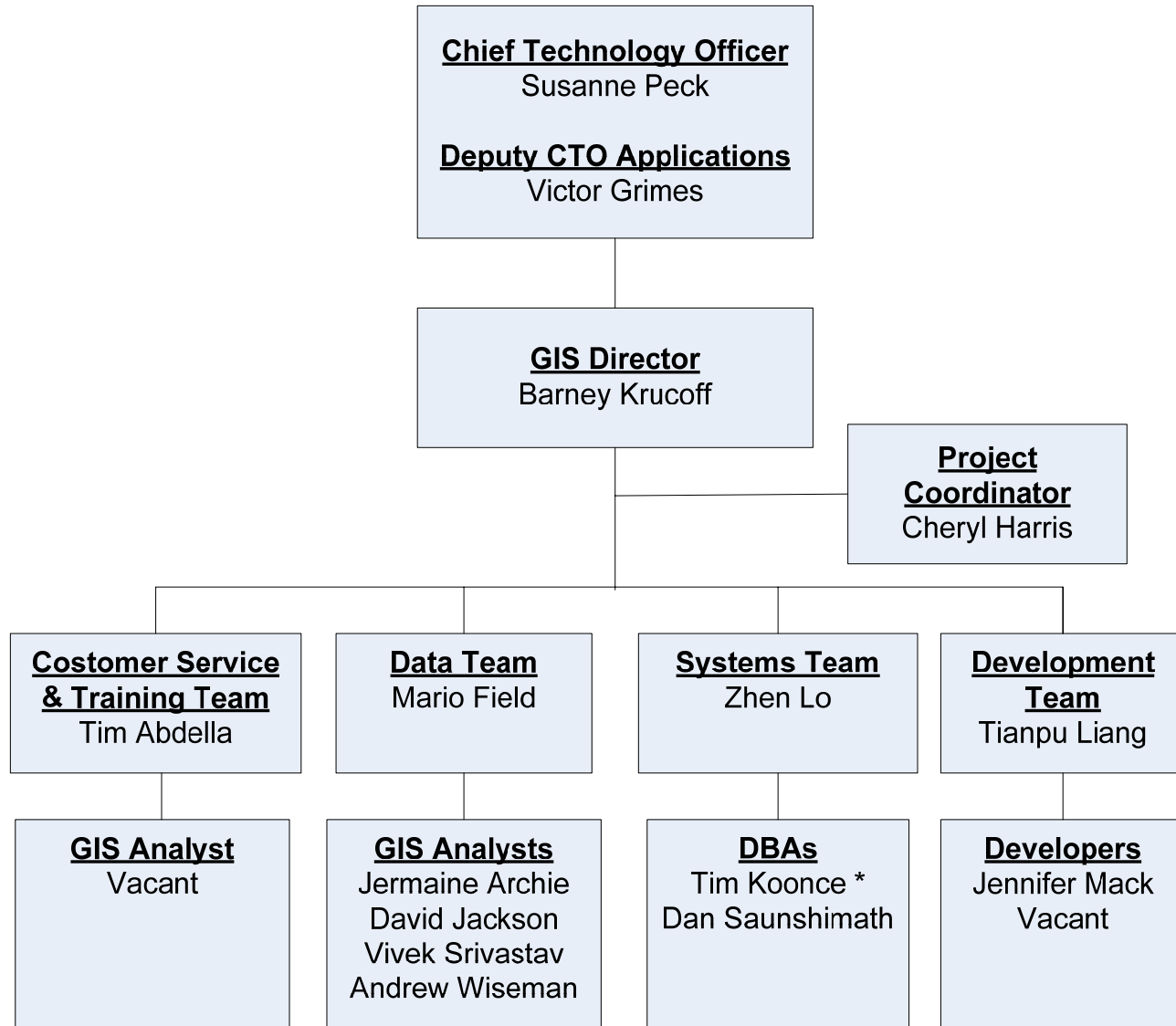


Customer Service & Training Team

- Add two new courses
 - Working with addresses
 - GIS for Emergency Management
- Train 400 DC Employees
- Formalize tier 2 GIS help desk functions



DC GIS Current Staffing



* Shared with DC STAT / Cap Stat



DC GIS FY 2007 Budget

Executive Tasks/Milestone Title (Indent for multi-level tasks)	Approved Costs for 2007		
	Preencumbered/ Encumbered	New Funds	Total for this PIF
<u>Full Time Employees</u>			
Operating	352,009.00		352,009.00
Capital	494,712.00		494,712.00
<u>Contractors</u>			
Staff Augmentation	377,760.00	817,240.00	1,195,000.00
<u>Data</u>			
Satellite		20,000.00	20,000.00
3D		50,000.00	50,000.00
Oblique Imagery		25,000.00	25,000.00
Regional		15,000.00	15,000.00
Routing		10,000.00	10,000.00
Business		75,000.00	75,000.00
<u>Hardware</u>			
Other Hardware		10,000.00	10,000.00
Hardware Maintenance		10,000.00	10,000.00
Hardware Blade Servers		28,000.00	28,000.00
<u>Software</u>			
ESRI Software Maintenance		200,000.00	200,000.00
Oracle		40,000.00	40,000.00
Other Software		40,000.00	40,000.00
Citrix		30,000.00	30,000.00
TOTAL	1,224,481.00	1,370,240.00	2,594,721.00



3D Data

- Cyber City
 - Providing Data for sharing Stereo Pairs
 - Multipatch Shapefiles
 - Multipatch textured PGDB
 - Applying Mobile video images to buildings
 - TerrainView software
- Earth Data
 - Provided access to city wide data for one year
 - Multipatch PGDB feature classes

Demonstration



DC GIS Systems Report

Zhen Lo
Systems Lead



Data Access

- “**IntraDB**”, the old central ArcSDE Database is being replaced by “**DCGISCentral**”
- “IntraDB” will be turned off on December 31.
- If you use Citrix, this will effect old map documents.
- If you use ArcIMS, contact Zhen (202-727-1828) for direct connect information.
- If you connect directly to **IntraDB** with ArcGIS desktop, **pay attention to the following slides:**



How to update ArcSDE connections in a map document

- Uses the DCGIS ArcSDE connection
 - dcgis_user/dcgisuser
 - intragis_dcatlas/iatlas4all
- Server side processing
- **Disconnects after 60 minutes of inactivity**

Spatial Database Connection Properties

Server:

Service:

Database:

(If supported by your DBMS)

Account

User Name:

Password:

Save Name/Password

Version

Save Version

sde.DEFAULT



License Manager

- Current Central License Manager
 - intradb.in.dc.gov; intradb; 10.2.11.14
 - 27005@intradb; 27004@intradb
- New License Managers (redundant)
 - gislicense1.in.dc.gov; 10.1.11.121
 - gislicense2.in.dc.gov; 10.2.11.21
 - 27004@gislicense1.in.dc.gov

dcgis.in.dc.gov → Tools for Application Developers → Connections to DC GIS



License (con't)

- 8 ArcInfo
- 9 ArcEditors
- 50 ArcView

- Extensions
 - 10 3D Analyst
 - 10 Spatial Analyst
 - 5 Data Interoperability
 - 2 Network Analyst
 - 2 Publisher
 - 1 Geostatistical Analyst
 - 1 Tracking Analyst



DC GIS Data Report

Mario Field

Dr. Data

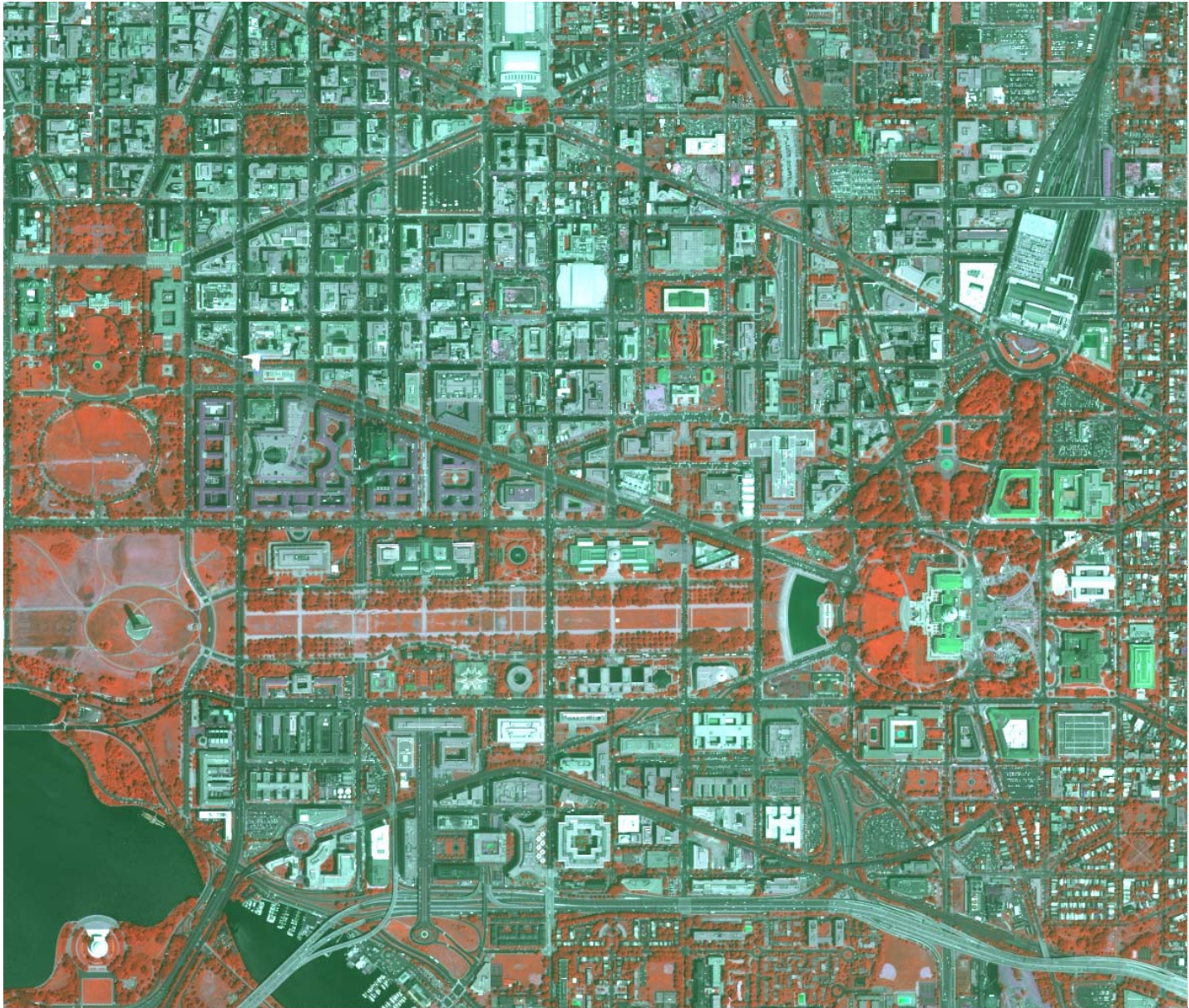


Updated DC GIS Data

- Address Point
- Address Alias
- Building – Generalized
- Bus Stop
- Bus Line
- CAMA
- Hospital
- Library
- Metro Station
- Neighborhood Investment Fund
- Police Station
- Planned Unit Development
- Post Office
- Public School Ground
- Road – Generalized
- Satellite IR – 09/07/06
- Shipstead-Luce
- Shipstead-Luce Review
- Sidewalk – Generalized
- Snapbase
- Street Centerline
- Street Segment
- Wooded Area - Generalized
- Zoning



Satellite IR





Current DC GIS Data Update

- **Address Point**
- **Census Block - 2000**
- **Census Tract – 2000**
- **Impervious Surface**
- **Metro Station Canopy**
- **Overlay Zoning**
- **Owner Point**
- **Places of Worship**
- **Public School**
- **Sale Point**
- **Transportation Analysis Zone**

– **December 2006 publication**



DC GIS Training Report

Tim Abdella

GeoSpatial Education Director



CWD Course Report

* New classes for FY '07

The Courses: *(In suggested order of completion)*

- Overview of DC GIS Services and Applications
- Introduction to DC GIS using ArcGIS 1
- Working with address & point based data *
- GIS for ESF (Emergency Service Functions) *
- GIS for Professional Analysts

Number Days

#232	1
#230	3
#233	1
#234	2
#235	2

Schedule for classes set through January, rest of schedule is pending CWD approval.





Schedule of Classes

Course Title	Course Number	2006	2007
Overview of DC GIS services and applications	232	October 11 November 8 December 5	January 4
Introduction to DC GIS using ArcGIS I	230	October 18-20 November 28-30 December 12-14	January 17-19
Working with address & point based data	233	October 24 December 7	January 24
GIS for ESF (Emergency Service Functions)	234		January 31
GIS for Professional Analysts	235	November 1-2 December 20-21	TBD

<http://www.dcgis.in.dc.gov/dcgis/cwp/view.asp?a=1283&q=503576>



CWD Registration

Course Registration:

- Select Classes
- Get Supervisor Approval
- Complete the Training Form
- E-mail to Training Coordinator for his/her review and signature
- Confirmation of enrollment in the course will be emailed to you
- Notify CWD if you can not attend within 3 days of the class
- For more information about CWD, call (202) 727-1523
- All Information is on dcgis.in.dc.gov → Training Website

<http://www.dcop.in.dc.gov>

Click on:

Training and Development



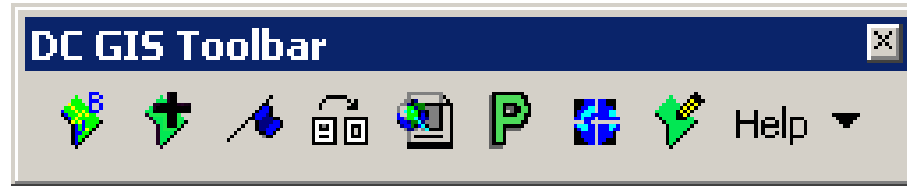


Documentation Updates

- Many Items added to DC GIS website
 - Master Address Repository (MAR) [page](#)
 - Tools for Application Developers [updated](#)
 - *NEW* Connect to DC GIS [page](#)
 - *NEW* Sample Web Services implementations [page](#)
- User guide updates
 - Getting started with ArcGIS in Citrix updated: 11/13/2006
 - Master Address Repository (MAR) Geocoder updated: 11/13/2006
- Updated downloads
 - ArcGIS map templates for DCGISCENTRAL (.mxt format) updated: 11/06/2006
 - ArcGIS layer files for DCGISCENTRAL (.lyr format) updated: 11/17/2006
 - Standalone MAR Batch Geocoder Installer (.exe format) updated: 11/13/2006



Updates to DC GIS Toolbar



- Buttons re-order to support user workflow
- Additional functionality:
 - Load “Base Map” button
 - Gazetteer tool
 - MAR Batch Geocoder
- Future technology – “Buffer tool”

Demonstration



Thank you

Next DC GIS Steering Committee Meeting:

Thursday, March 8, 2007

at 1:00 p.m.

Conference Room TBD

441 4th Street NW

NeighborhoodInfo DC

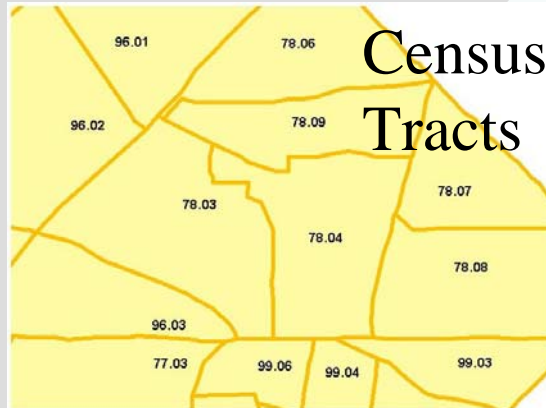
*A Joint Project of
The Urban Institute &
Washington, DC LISC*

What is NeighborhoodInfo DC?

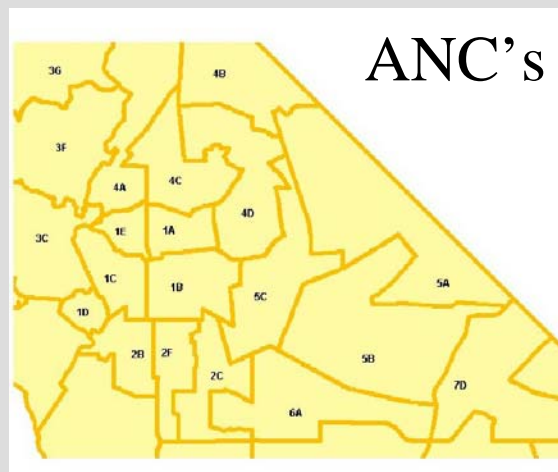
- A partnership of the Urban Institute and Washington, DC LISC
- Goal is to *democratize data* as a tool in civic engagement
 - Provide community-based organizations and residents with local data and analysis they can use to improve the quality of life in their neighborhoods
- Member of the National Neighborhood Indicators Partnership (www.urban.org/nnip)

Geography Matters

Linking people information with place information



- **Property**
- **Demographics**
- **Economics**
- **Health**
- **Education**
- **Organizations**
- **Assets**
- **Public safety**



National Data Sources

- U.S. Census (population & housing)
- American Community Survey
- Current Population Survey
- Home Mortgage Disclosure Act (mortgage lending activity)
- FDIC (locations of bank branches)
- IRS (tax filing, locations of electronic return providers)

Local Data Sources

- State Center for Health Statistics (births & deaths)
- MPD (crimes, arrests, 911 calls)
- Dept. of Human Services (TANF & Food Stamp cases)
- OCTO (GIS coverages, real property parcels & sales)
- DCPS & Charter Schools (student performance)
- Board of Elections & Ethics (voter turnout)

Standard Products

- Discussion briefs
- Housing in the Nation's Capital (annual)
- D.C. Housing Monitor (quarterly)
- KIDS COUNT (annual)
- Web site: www.NeighborhoodInfoDC.org

Web Site: Home Page

NeighborhoodInfo DC: A Partnership of the Urban Institute and the Washington DC Local Initiativ - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

Address <http://www.neighborhoodinfodc.org/index.html> Go

NeighborhoodInfo DC

Home About Us Neighborhood Profiles Resource Center Ask a Question

NeighborhoodInfo DC

A Partnership of the Urban Institute and the Washington DC Local Initiatives Support Corporation (LISC)

NeighborhoodInfo DC works to support community organizations, neighborhood leadership and residents and government as they work to improve the quality of life for people throughout the District of Columbia.

On this web site, you'll find data on D.C. neighborhoods — population, race and ethnicity, income, poverty, employment, education, public assistance, single-parent families, low weight and teen births, income, housing, crime and more.

Here are the geographic areas for which we provide data on this web site:

[Wards](#), [clusters](#), [PSAs](#), [Census tracts](#), [ANCs](#), and [comparison tables](#).

What's New

Click on the following links for the latest policy publications.

[Housing in the Nation's Capital 2006](#) (external link)
A new annual report by the Urban Institute analyzes housing conditions and trends in Washington, D.C. and its suburbs. This year's report focuses on the connection between **housing and schools**.

[District of Columbia Housing Monitor](#)
A **new quarterly report** by NeighborhoodInfo DC tracking **housing conditions** in Washington, D.C.
Latest issue: Fall 2006.

Resource Center


Enter our [Resource Center](#) for publications and other resources about policy topics such as housing, education and youth development, and ex-prisoner reentry.

Web Site: Select Cluster

Washington DC Neighborhood Clusters



Web Site: Neighborhood Profile



Home About Us **Neighborhood Profiles** Resource Center Ask a Question

DC Neighborhood Cluster Profile

[Population](#) [Income Conditions](#)
[Population by Race/Ethnicity](#) [Housing Conditions](#)
[Family Risk Factors](#) [Housing Market \(Single-Family Homes\)](#)
[Isolation Indicators](#) [Mortgage Lending \(Home Purchase Loans\)](#)
[Child Well-Being Indicators](#) [Reported Crimes \(per 1,000 pop.\)](#)

Cluster 3

Ward 1 / Howard University, Ledroit Park, Cardozo/Shaw

	This Cluster	All Clusters in D.C.		
		Average	Low	High
Population				
Population, 1980	11,335	16,016	3,506	44,081
Population, 1990	10,925	15,169	1,341	45,728
Population, 2000	10,128	14,456	2,374	46,779
% change population, 1980-1990	-3.6	-5.3	-62	23
% change population, 1990-2000	-7.3	-4.7	-20	77
% children, 1980	18	22	1.8	43

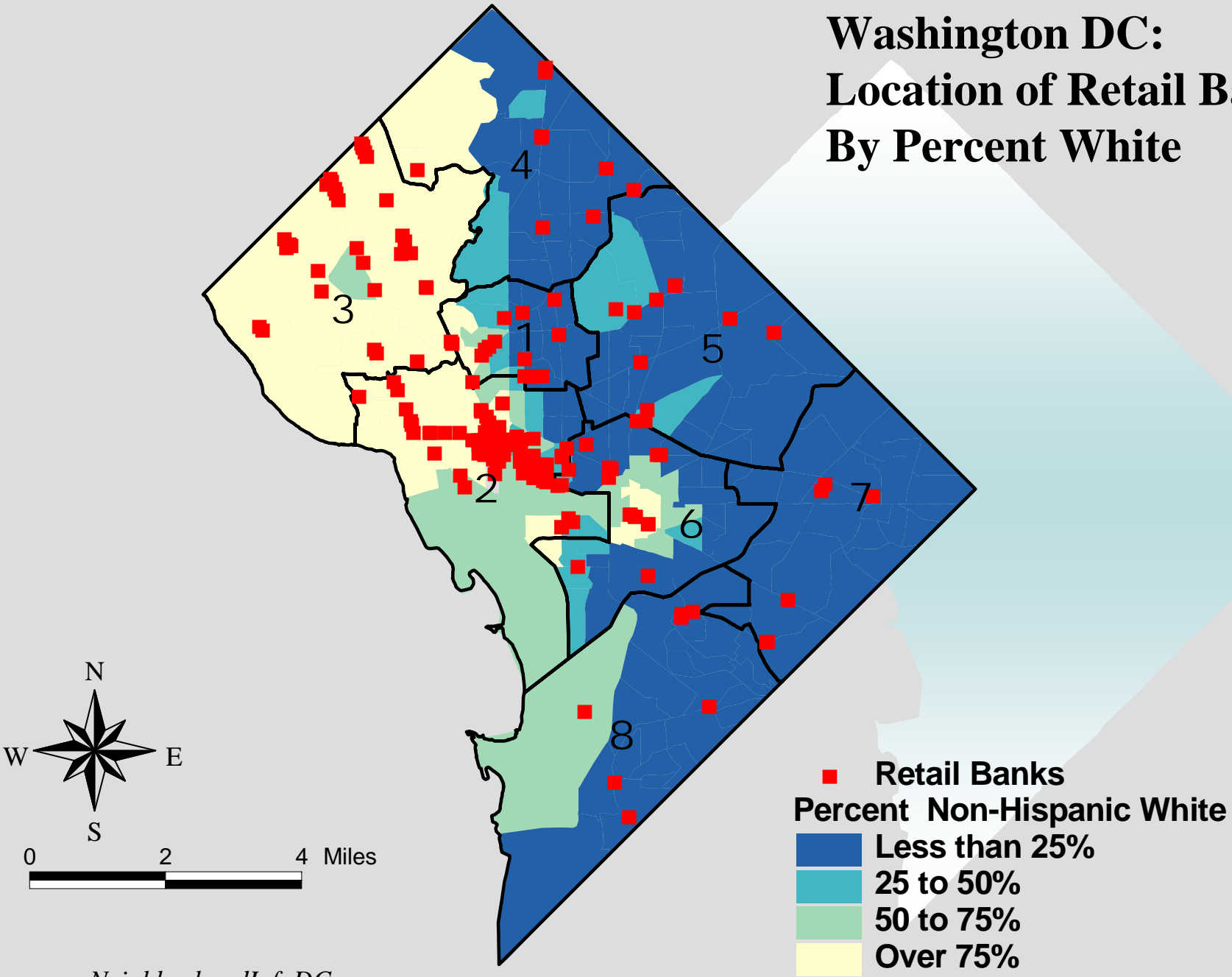
Technical Assistance

- Up to one hour of TA for community groups
 - "Ask a question" request form on web site
- Typical requests are for data to be used for:
 - Program development and planning
 - Grant writing and fundraising
 - Newspaper stories
 - Policy research
 - Advocacy and organizing
- Data training

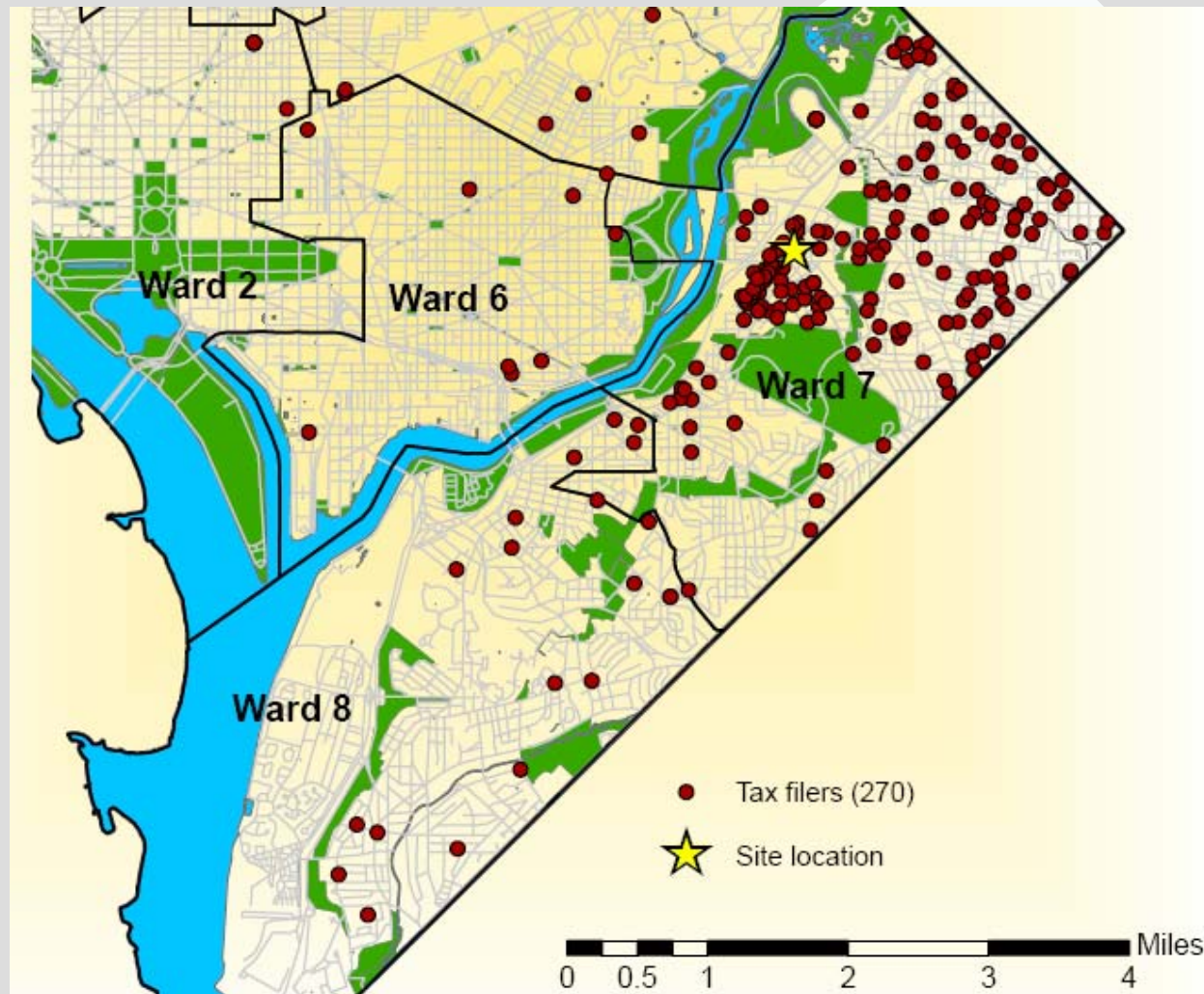
Custom Products

- Analysis of Impediments to Fair Housing (DC Dept. of Housing and Community Development)
- Protective service sector labor market analysis (Wider Opportunities for Women)
- Data on women-headed families (Washington Area Women's Foundation)
- Analysis of tax season results (DC CASH Campaign)

Washington DC: Location of Retail Banks By Percent White



Custom Products: DC CASH



Future Plans

- Interactive Mapping Web Site
 - Based on DataPlace technology ("cobrand")
 - Combines national and local data
 - Includes local geographies
 - Prototype for future cobranded DataPlace sites in other communities

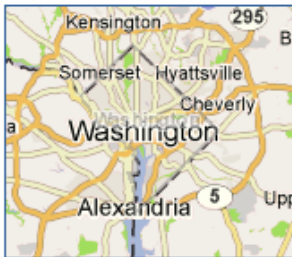
DataPlace

HOME | AREA OVERVIEW | MAPS | DATA+CHARTS | RANKINGS | SCATTERPLOTS | Login | Register | Help

DataPlace™ BY KNOWLEDGEPLEX®

Search Locations:

Area Overview



Washington, DC

Washington, D.C. is the capital of the United States of America. The population of the District of Columbia, as of the 2000 Census, is 572,059.

What Next?

- Compare Washington with other Places in Washington DC
- See a map of Washington, then add data
- See a scatterplot of Census Tracts within Washington
- Review summary data from the topics below
- Enter locations in the Search box to make comparisons

Topics

Overview | Social / Demographic | Income / Employment | Housing | Mortgage Lending | Federal Expenditures

Population, total and by age		Washington, DC vs. Places in <input type="text" value="USA"/>	Chart all
Total population (2000)	572,059		Chart Rankings
Projected population (2030)	N/A		Chart Rankings
Population density (people per square mile) (2000)	9,316.471		Chart Rankings
Pct. population under 18 years old (2000)	20%		Chart Rankings
Pct. population 65 years old and over (2000)	12.3%		Chart Rankings
Housing unit estimates (2005)	N/A		Chart Rankings
Population estimates (2005)	550,521		Chart Rankings
Population by race/ethnicity (2000 def.)			Chart all
Pct. non-Hispanic White alone population (2000)	27.7%		Chart Rankings
Pct. non-Hispanic Black/African American alone population (2000)	59.4%		Chart Rankings

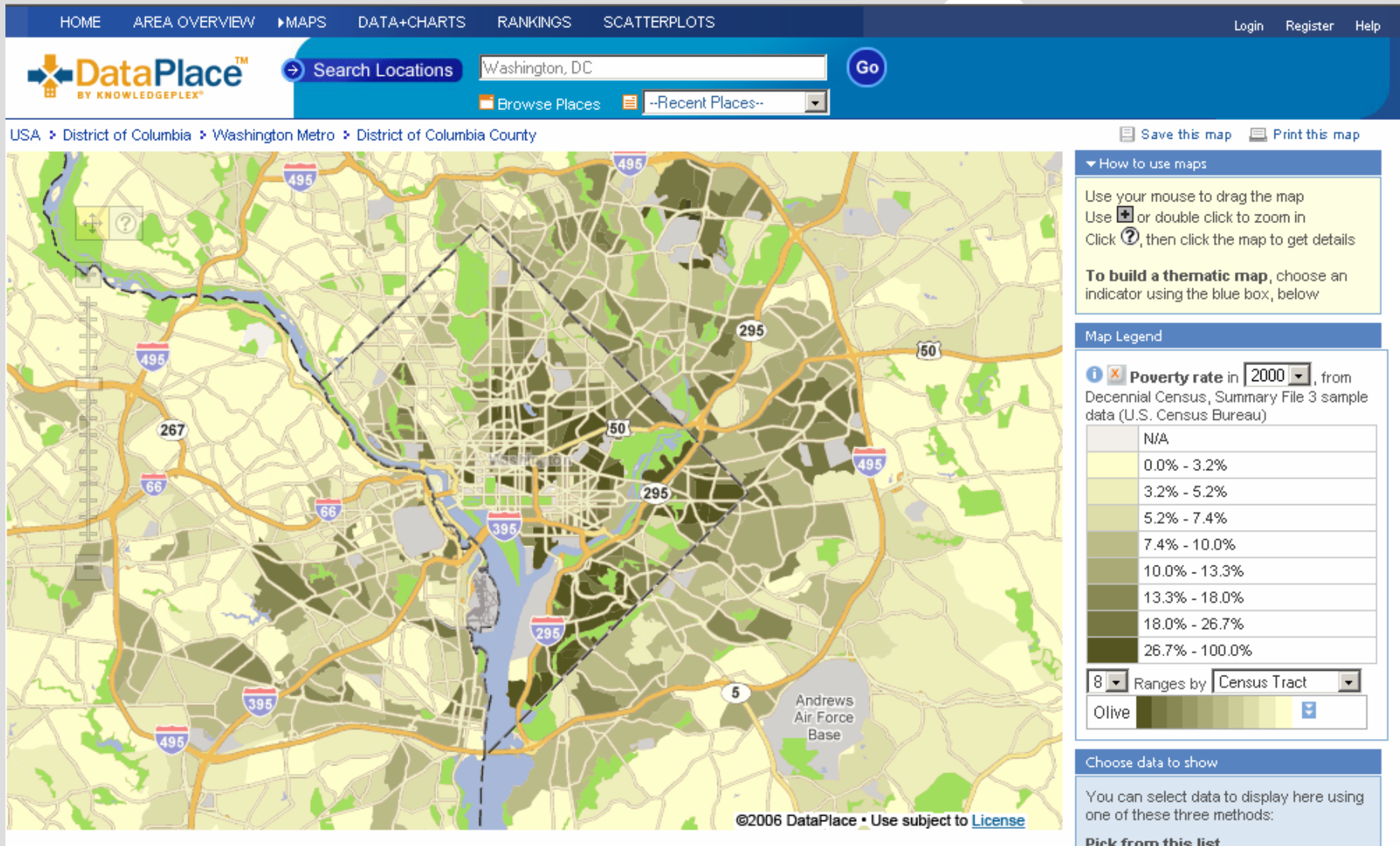
Washington, DC



Data Sources

- Decennial Census, Summary File 3 sample data (U.S. Census Bureau)
- Comprehensive Housing Affordability Strategy special tabulation (U.S. Census Bureau)
- Individual Tax Return Summary Data (Internal Revenue Service)

DataPlace



Contact Information

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Visit www.NeighborhoodInfoDC.org to:

- Get online data
- Make a technical assistance request
- Sign up for e-newsletter