DC GIS Steering Committee Meeting
February 20, 2009

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GIS Director

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Agenda

– **Introductions**

– **DC GIS News** – Barney Krucoff

– **Budget Update** – Barney Krucoff

– **Implementing the DC GIS Strategic Plan Discussion –** Kevin Donahue, OCA

– **Data Report –** Mario Field

– **Training Report –** Eva Stern

– **Google (Earth) DC and Inaugural –** Barney Krucoff and Mo Nag

- Upcoming upgrade/outage

– **Washington DC Economic Partnership –** Chad Shuskey

News Items

- CTO speculation
- ArcGIS 9.3 Status
  - On Citrix in April
  - Coming changes to Citrix Accounts
- Pictometry
  - On line
  - Library Update
- 2008 Ortho in production and available
- New 311 System
- Improvements in Master Address Repository update process
  - Intersections & Block improvements

Applications Development Work

- Applications:
  - Agency Specific
    - DCRA VPM Maintenance Tool
    - DCRA VPM Property Search Web Application
    - CSOSA Sex Offender Locater
    - BOEE Election
    - DDOE ArcPad Field Survey Data Entry
    - OS Index Card
    - GeoRSS Feeds
    - DPW Trash Pickup
    - WDCEP Retail Site Locator
    - Convert CSOSA Sex Offender Web Site to Google
  - Citywide
    - New DC GIS Data Catalog
    - Google Earth Implementation
    - New Point Picker

DC GIS Budget Update

2009 Budget

Capital Budget Reductions

- $1.174 million from ZA143C (100% of the 2009 budget load Capital) due to recent Council action.

- $431K from N1604C (100% of 2009 budget load Master Lease) due Council action

2009 Operating Budget Reductions

- A DS-12 operating vacancy cut at least until 2010. This position had been planned for a dedicated resource to work with the Jefferson School and education generally.

- We are planning for an additional 15% reduction.

Capital Funding Sources

Master Lease (N1604C)

– Hardware (Servers, storage, plotters)
◆ Initial software purchases
◆ Web development
◆ Bi-annual Photogrammetric Updates (from aerial photography)
  – Orthoimages 6" resolution
  – Detailed maps of streets, buildings, and other visible infrastructure 1" to 100'
  – Detailed maps of terrain 2' contours and equivalent
• Ground data collection

Capital (ZA143C)

– Applications Development
◆ Web Services Development
◆ Property records conversion
◆ Other project as identified by the DC GIS Steering Committee.

2010 – 2015 Budget Proposed

Project	Status	Fiscal Year					
		2010	**2011**	**2012**	**2013**	**2014**	**2015**
N1604C	Approved	1100	460	1000	500	1055	0
	Change to approved						500
ZA143C	Approved	1500	1298	0	0	979	0
	Change to approved						650

Bi-annual Photogrammetric Updates

FY 2010 Spending Plans

N1604C Master Lease 2010

Priority	Sub-project	Primary Items Purchased	Cost	Funds $ 1,100,000
1	Photogrammetric Update	Professional/Engineering Services	$ 650,000	$ 450,000
2	Double Google Earth Capacity	Hardware & Software	$ 150,000	$ 300,000
3	Web Development	Professional Services	$ 200,000	$ 100,000
4	Hardware timed w/ data center moves	Hardware	$ 100,000	$ -

ZA143C Master Lease 2010

Priority	Sub-project	Primary Items Purchased	Cost	Funds $ 1,500,000
1	DC GIS Development Team (Applications and Web services)	Contractual Services	$ 500,000	$ 1,000,000
2	Better Common Operating Picture	Contractual Services	$ 250,000	$ 750,000
3	Mobile Computing Initiative (Tracking moving things and collecting data in the field)	Hardware, Softare, & Services	$ 250,000	$ 500,000
4	Public Lands Mapping	Contractual Services	$ 250,000	$ 250,000
5	Ground Level Building Images with Office of tax and Revenue	Profesional/Engineering Services	$ 150,000	$ 100,000
6	3-9 Underground Utilities Project Planning and Coordination	Contractual Services	$ 100,000	$ -

Implementing The DC GIS Strategic Plan

Discussion with OCA

Actions in the Plan

- Expanding the DC GIS Steering Committee Permanent Members
- Drafting Bylaws
- Annual Business Plan
- Establishing Subcommittees
  - By Laws
  - Business Plan

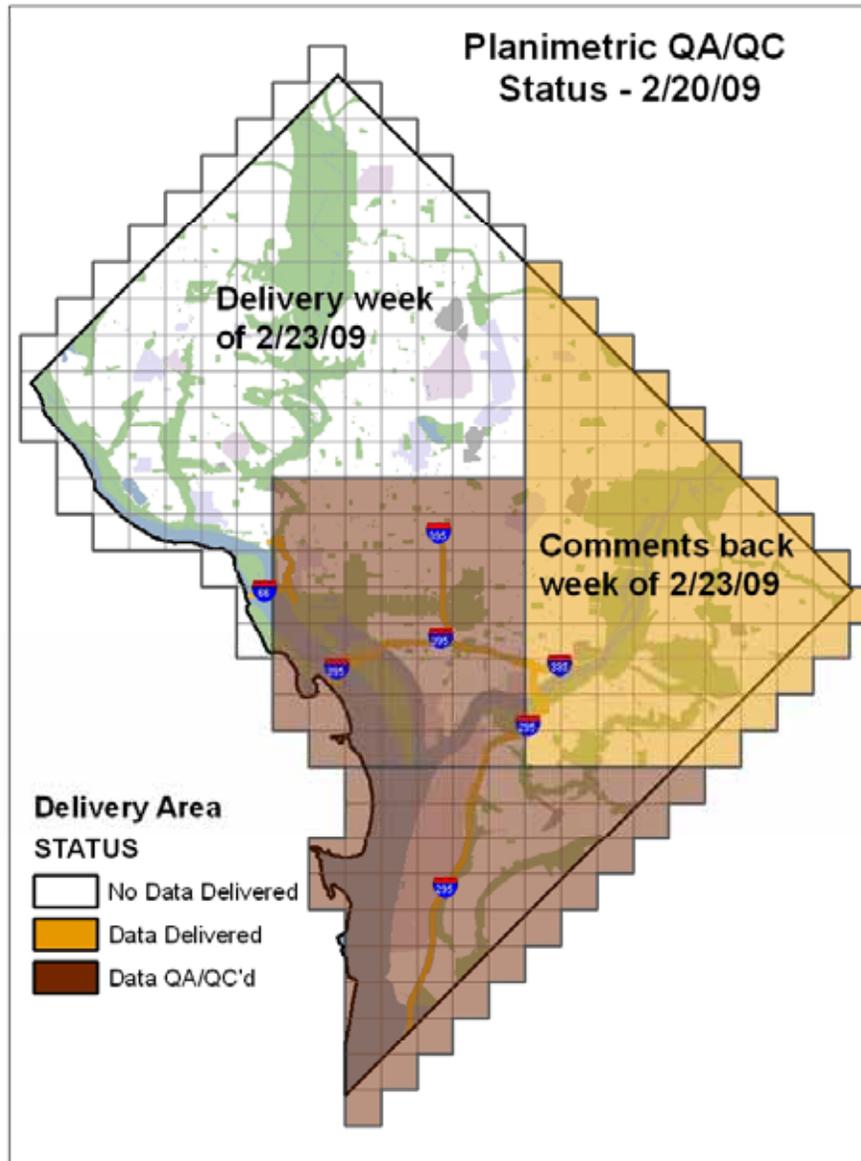# DC GIS Data Report

Mario Field

Dr. Data

Data Report

Orthophoto is Available!!!

- Flown March and May of 2008

- Called Ortho2008 in Database

- Published in Google DC

- Available by request on the website

Planimetric Update

Planimetric QA/QC Status - 2/20/09

Delivery week of 2/23/09

Comments back week of 2/23/09

Delivery Area STATUS
- No Data Delivered
- Data Delivered
- Data QA/QC'd

Layers:

- Building
- Bridge and Tunnel
- Geodetic Control
- Obscured Area
- Railroad
- Street Centerline
- Road
- Sidewalk
- Wooded Area

April publication

Planimetric Update

Notes:

- Topography and DTM will be delivered as one District-wide file for QA/QC.

- Survey crews will conduct independent field verification of select DTM points.

- Publication May 2009.

- 3D Building update will begin once DC approves planimetric Building layer.

Pictometry On-Line

Pictometry On-Line

Tools in Tool Bar Data Tools

- PAN TOOL
- IMAGE TOOL
- DISTANCE TOOL (D)
- HEIGHT TOOL (H)
- AREA TOOL (A)
- ELEVATION TOOL (E)
- LOCATION TOOL (L)
- BEARING TOOL (B)
- PITCH TOOL (P)
- EXTRACT TOOL
- QUERY TOOL
- MARKER TOOL
- TEXT TOOL
- LINE TOOL
- SHAPE TOOL
- CIRCLE TOOL
- LINE COLOR TOOL
- FILL TOOL
- LINE WEIGHT TOOL

Additional Advanced Features

- Crop, save, and send images and annotations or workspaces.
- Customize: GIS Queries, Properties, Annotations, etc.
- Multiple Search Options:
- Easy Navigation

What's Next

- **2007 Aggregate Income Data**
- **Topography and Digital Terrain Model**
- **3D Building Update**
- **Automated Real Property updates**

DC GIS Training Report

Eva Stern

Dean of Training

Training Update

- Overview of trainings for FY 2009:
  - 52 students
  - 6 classes

- Successes
  - Very positive feedback from students on presentations and class materials
  - More interest and attendance from previously "absent" agencies (DOH, OSSE, DCPL)

- Challenges
  - Difficult budget year: perceptions of spending = fewer students
  - Technical hurdles

Google (Earth) DC
& Inaugural

Reach More Users

- <u>Google DC</u>: The ease and familiarity of Google Earth with DC GIS data
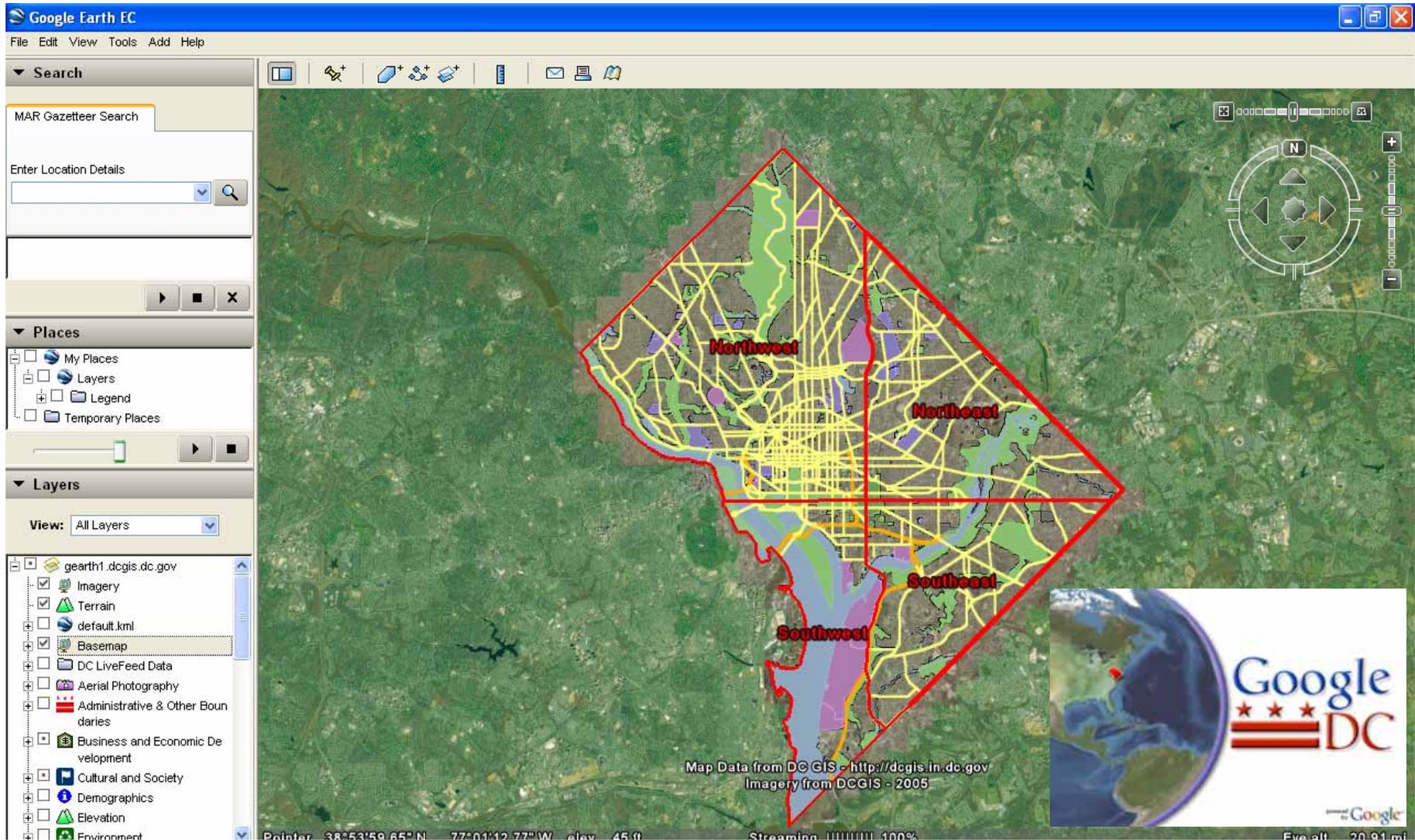
Google (Earth) DC Installation

- **Custom Installation Packa...**
  - Points to one of DC's servers/globes
  - Zooms to DC
  - Includes Google DC branding
  - Includes customizations such as search
  - Allows customized settings for different departments
  - Overwrites registry settings for cache size and help menu
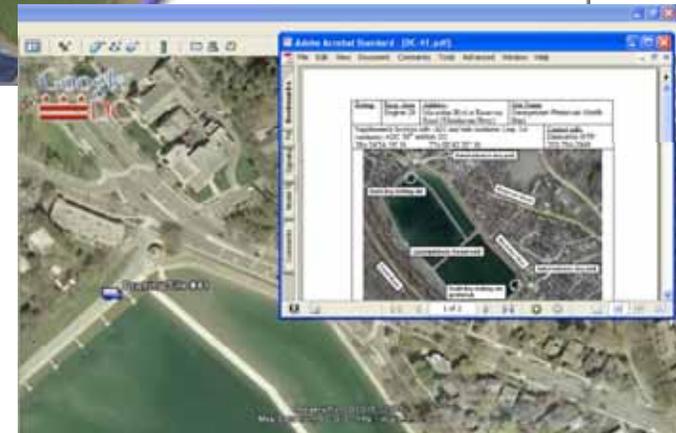
Google DC Milestones

- Custom installation package
- User guides, instructional videos and wiki
- Integration of Master Address Repository Web service
- Migration of 200 + layers of data
  - Static data
  - Dynamic network links in Google Fusion Server including live GPS feeds for tracking of vehicles & cell phones.
  - Custom cartographic representations
- Super overlays (georeferenced maps and images)
- Multiple globes: Google DC, Fire (critical infrastructure information), Public Safety (law enforcement sensitive)
- Secure data sets for law enforcement
- Integration of existing GIS solutions, applications & Web
- Public data catalog with KML ready to go

3-24

Google DC Inaugural Demo

- Static/Dynamic Data (Varied Frequency of Change)
  - Event -specific geographic layer
  - Data from WebEOC (manual)

- Live Data Feeds (Varied Refresh Rates)
  - 911 Calls (law enforcement sensitive)
  - 311 Calls
  - Equipment locations
  - Video feeds

- Integration of External Data
  - Data from DHS Earth

---- After-action improvements we want to make ------

- Multiple simultaneous authorship of event layers probably in our ESRI 9.3 environment

- Automated data publication from ESRI to Google Globe

- More live data sharing with federal agencies

Washington DC Economic Development Partnership

Chad Shuskey
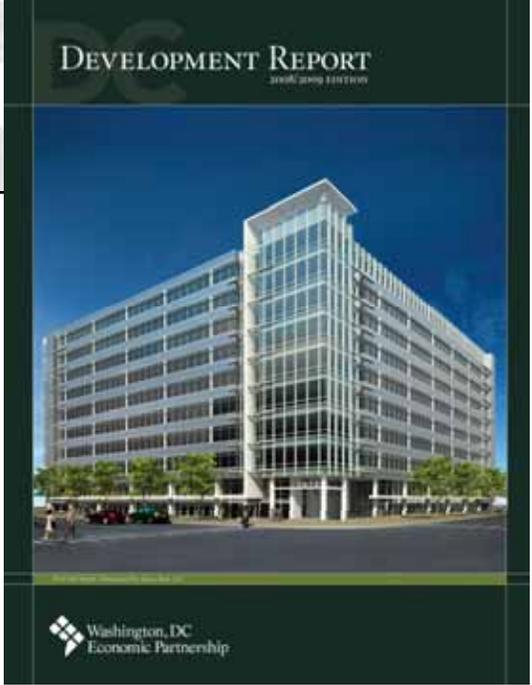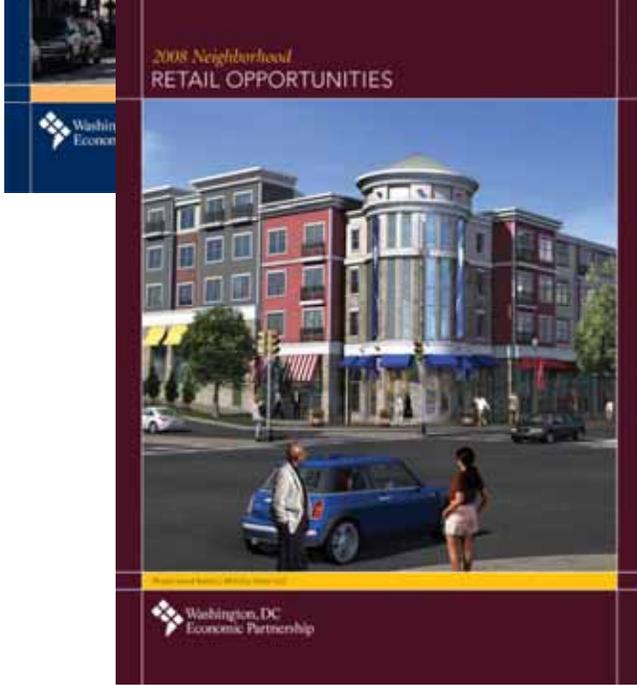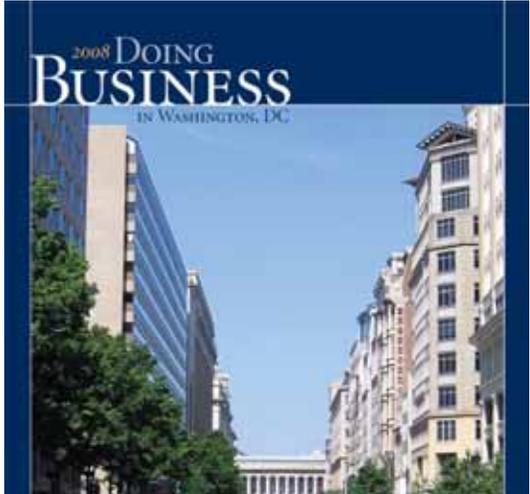
WDCEP GIS

Washington, DC
Economic Partnership

WDCEP Mission

*It is the mission of the **Washington, DC Economic Partnership** a 501(c)(3) organization to promote business opportunities throughout the District of Columbia and to contribute to business retention and attraction activities.*

WDCEP Work Programs

❖ Business Attraction (retail & office)

❖ Business Retention (BusinessPremiere)

❖ Research & Publications

❖ Events & Programs

WDCEP Publications

WDCEP Retail Attraction

WDCEP Events/Programs

WDCEP GIS: Data

❖ demographics (ESRI, 2008 estimates & projections)

❖ business data (InfoUSA)

❖ office space (CoStar)

❖ grocery stores (current, planned & sites)

❖ **retail sites (current & future)**

❖ **development data (since 2001 & future)**

WDCEP GIS: Retail Data

❖ site name

❖ address/location

❖ sq. ft. available

❖ vehicle counts

❖ metro counts

❖ site description

❖ local retail requirement

❖ images/renderings

❖ site/floor plans

WDCEP GIS: Development Data

1,130+ projects

❖ site name

❖ address/location

❖ uses

❖ status

❖ LEED level

❖ images/renderings

❖ estimated cost

❖ project description

❖ developer, architects, contractors

WDCEP GIS: Neighborhood Level

Capitol Riverfront Development Summary (June 2008)

Status	Projects	Total Sq. Ft.	Hotel Rooms	Office Sq. Ft.	Residential Units	Retail Sq. Ft.	Estimated Value
Completed (since 2001)	18	7,679,510	204	4,782,757	1,498	88,100	$1,865,862,000
Under Construction	8	2,593,531	196	880,000	1,373	149,133	$985,500,000
Planned	12	8,640,218		3,537,838	4,317	424,417	$2,684,500,000
Proposed	16	7,509,959	575	3,926,337	1,009	227,599	$1,515,000,000
Totals	54	26,423,218	975	13,126,932	8,197	889,249	$7,050,862,000

WDCEP GIS: City Level
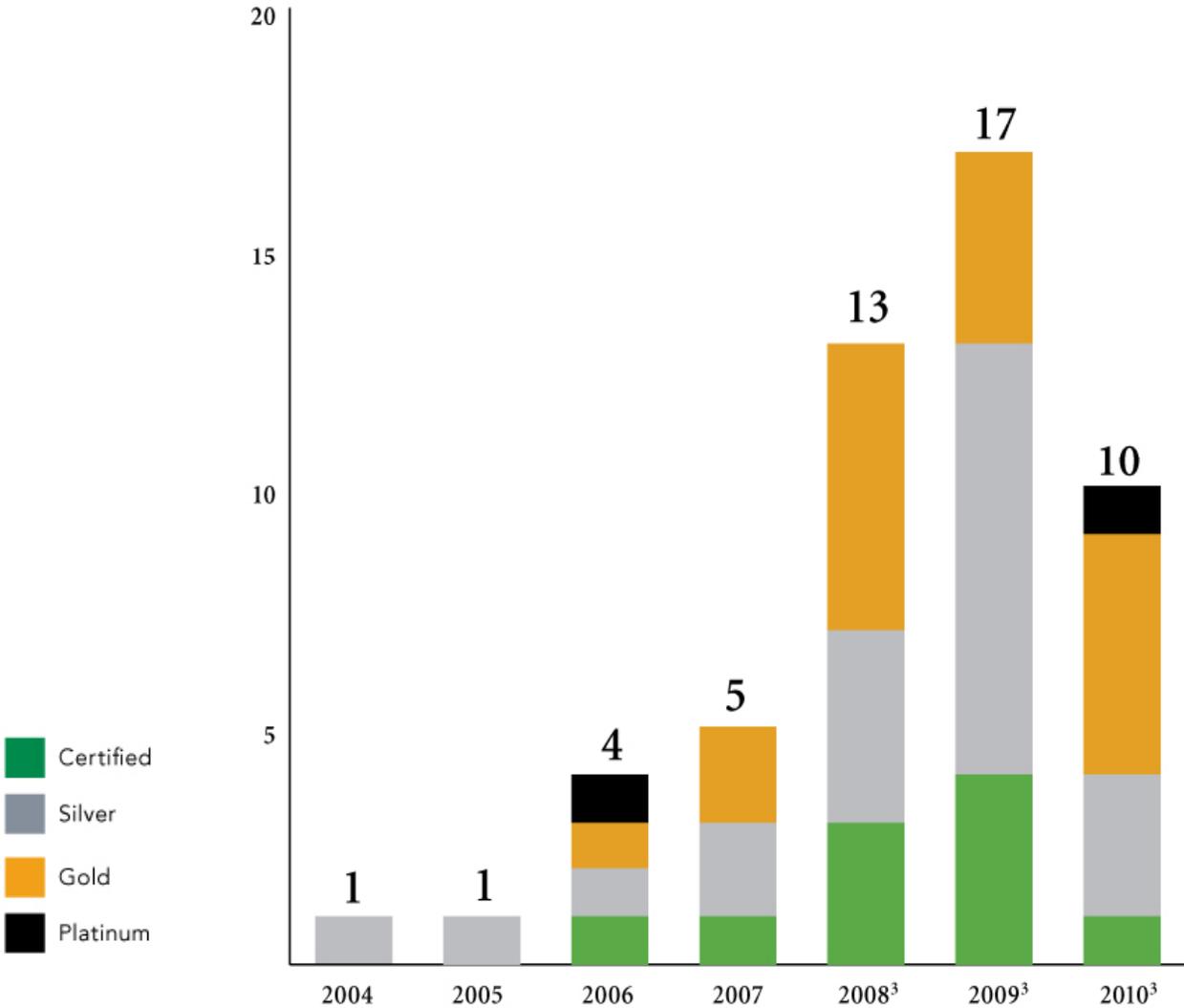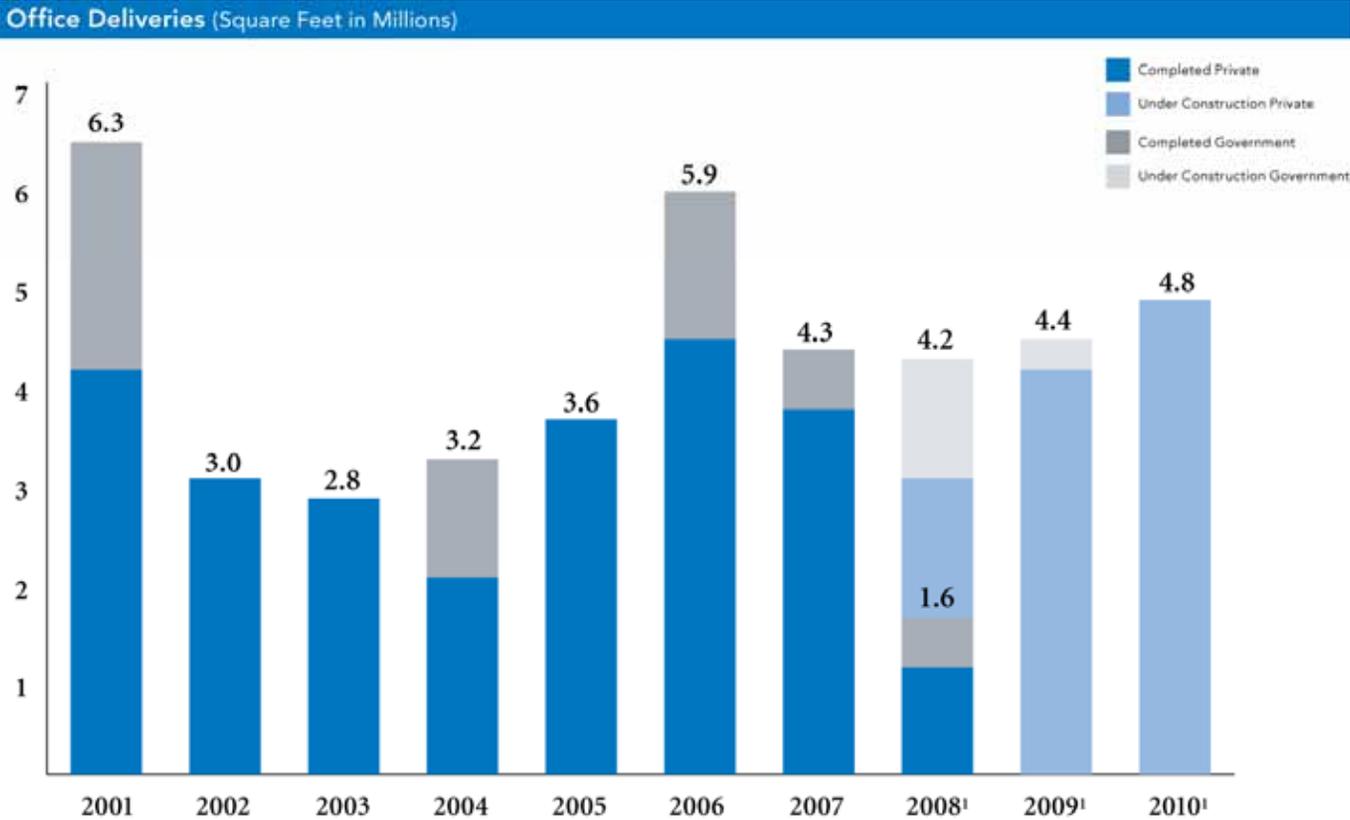

Certified
Silver
Gold
Platinum
Neighborhood Development
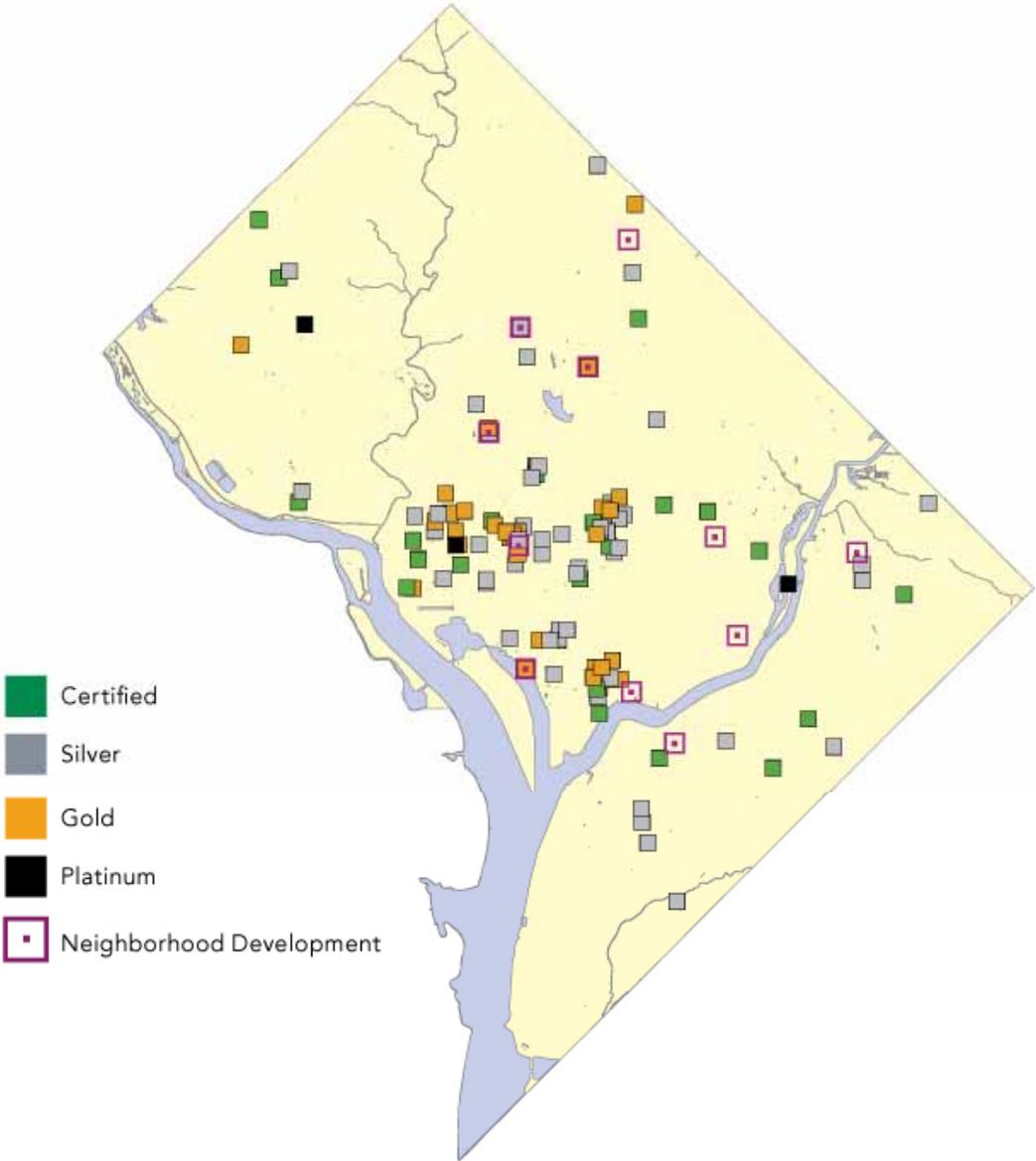
WDCEP GIS: City Level

LEED Projects[2] (Number of Projects—June 2008)

WDCEP GIS: City Level

WDCEP GIS: Ward 7 & 8 Pipeline Retail
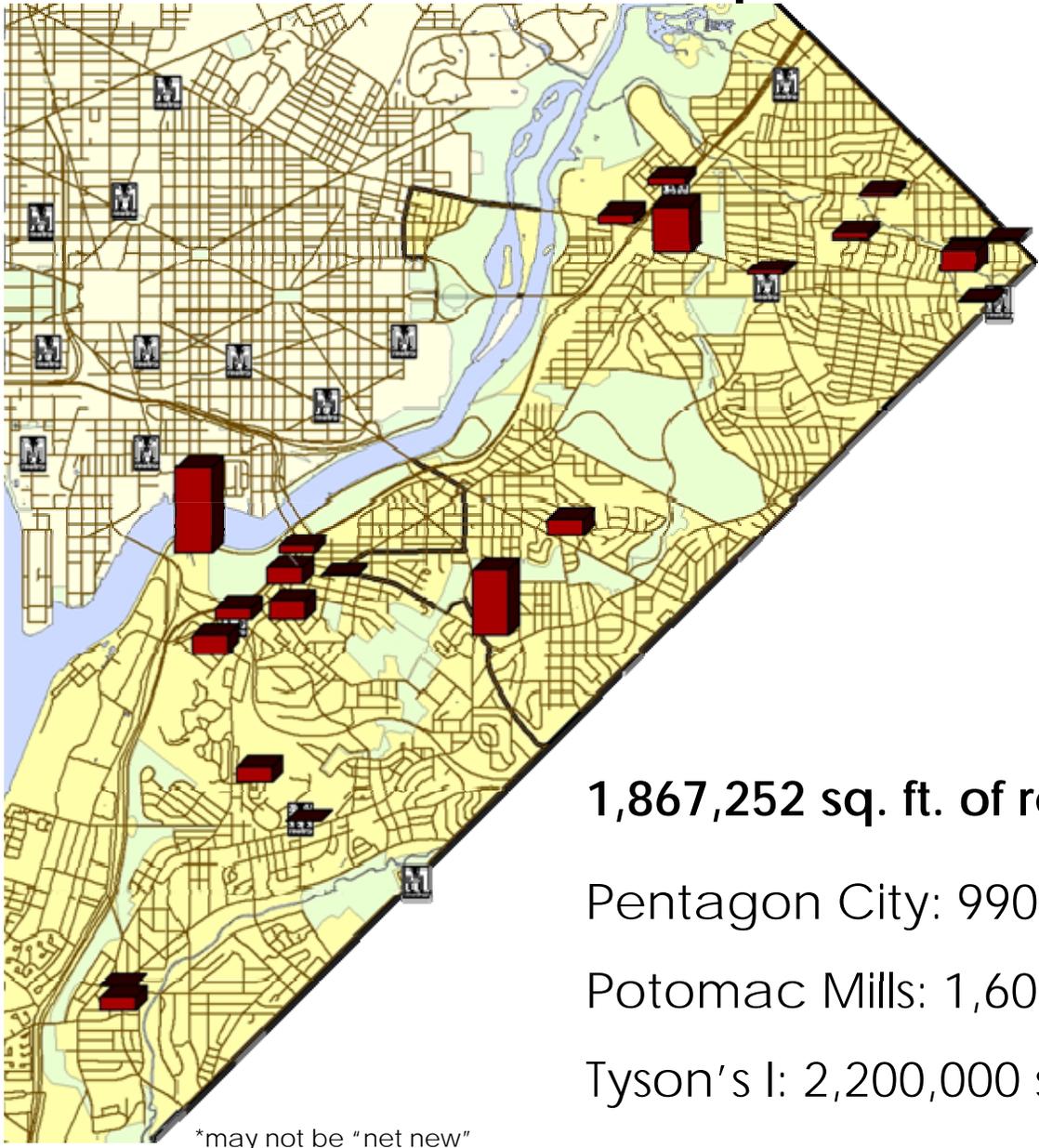
*may not be "net new"

1,867,252 sq. ft. of retail*

Pentagon City: 990,000 sf

Potomac Mills: 1,606,000 sf

Tyson's I: 2,200,000 sf

WDCEP GIS: Development Data

Thank you

Next DC GIS Steering Committee Meeting:

**May 15, 2009
at 1:00 p.m.
Conference Room TBD
441 4th Street NW**