



GIS Goals & Operations FY2005

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Officer



- Improve the quality and lower the cost of municipal services provided by the District of Columbia through the efficient application of geospatial technology

GIS Steering Committee



On February 4, 2002, Mayor Williams signed a Mayor's Order establishing the GIS Steering Committee. Below are listed the roles of this committee:

1. Serve as the primary decision-making body that establishes and implements DC GIS policies and standards, taking into account the needs and resources of all District agencies
2. Define and approve GIS projects, and set priorities and timelines
3. Work with DC agencies to establish responsibilities for specific GIS tasks, including maintaining essential data
4. Seek multilateral input, participation, support from, and usage by District government stakeholders
5. Work with OCTO to coordinate activities among agencies
6. Foster communication and cooperation among District agencies, Federal agencies, and other GIS users and data sources
7. Promote integration of the GIS with District agency business processes

Members



- Department of Consumer and Regulatory Affairs
- Department of Fire and Emergency Medical Services
- Department of Health
- Department of Public Works
- District Department of Transportation
- Emergency Management Agency
- Metropolitan Police Department
- Office of the Chief Technology Officer
- Office of the City Administrator
- Office of the Deputy Mayor for Children, Youth, Families, and Elders
- Office of the Deputy Mayor for Operations
- Office of the Deputy Mayor for Planning and Economic Development
- Office of the Deputy Mayor for Public Safety and Justice
- Office of Planning
- Office of Property Management
- Office of Tax and Revenue
- Office of Zoning
- Public Schools
- Water and Sewer Authority

OCTO GIS Service lines (What we do)



- Support to the GIS steering committee
 - Planning, Program management, Coordination, Standards development
- Liaison services
 - Communications, needs assessment, business process reengineering
- Funding for individual agencies with programs of multi-agency importance
 - Project Support, Staff augmentation, on-call support for EMA
- Procurement
 - Contracting officers technical representative / project management, Multi-agency buys (data, software, services), Review and approval of agency specific procurements
- Intergovernmental coordination within the geospatial community
 - NSGIC, OGC, URISA, MWCOG, Federal Agencies not closely associated with another DC Agency
- Provide geospatial data services
 - Acquisition, Maintenance, Discovery, Publishing
- Develop and maintain geospatial applications
 - Public and intranet Web sites, Geospatial web services (common services), Desktop and thin client GIS applications for specialized applications,
- Systems design and maintenance for the central GIS
- Training on DC specific GIS applications

GIS Liaison Program



What GIS Liaison Do:

- Keep this plan up-to-date
- Perform needs assessment, requirements analysis, and implementation planning
- Specify GIS hardware and software and providing procurement assistance
- GIS Hardware and Software Installation and Configuration Assistance
- Data Exchange and Documentation
- GIS support for special projects
- Grants Identification and Support
- Project Management
- Work with OCTO IT Liaisons

GIS LIAISONS ARE REQUIRED TO HAVE A FACE TO FACE MEETING WITH EACH OF THEIR AGENIES AT LEAST ONCE EVERY 180 DAYS.

FY 2005 Goals



- Institutionalize success
- Provide foundation geospatial services that support the requirements of the District's Service Modernization Programs
- Expand support for emergency management
- Expand GIS support for schools and social services
- Continue to expand and improve the District's geospatial databases

Institutionalize success



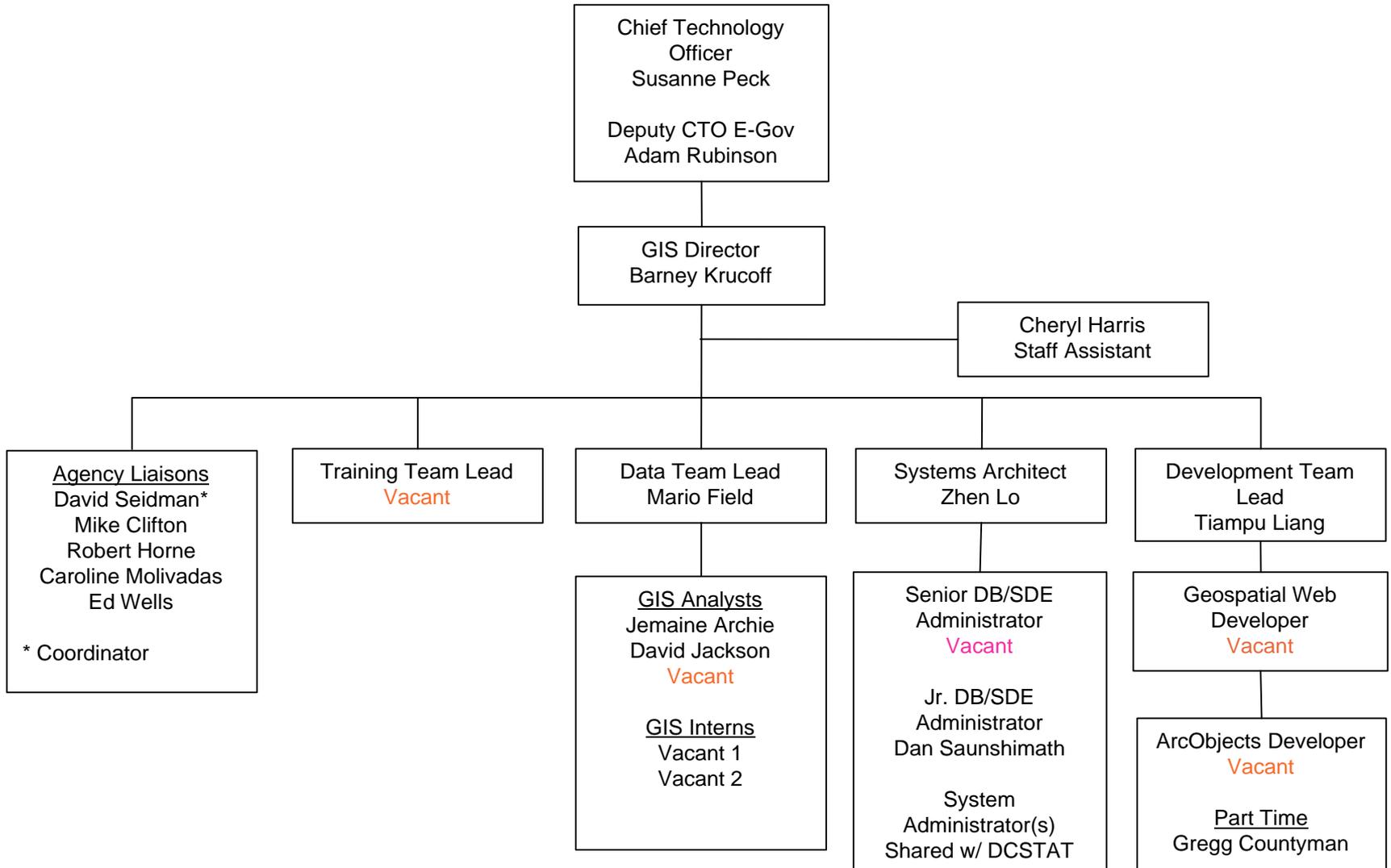
- Develop and maintain a comprehensive plan including all District agencies/persons responsible for geospatial systems:
 - Include projects, data sets, hardware, software, and applications in a comprehensive plan
 - Clarify responsibilities among DC departments including a federated data model
- Enhance the role of the GIS Steering Committee and establish an annual review role for the comprehensive plan.
- Establish an operating budget and move appropriate activities to that budget
- Standardize operating procedures for data and application maintenance
- Expand the training program and hire a full time training director.

Foundation Support for SMPs

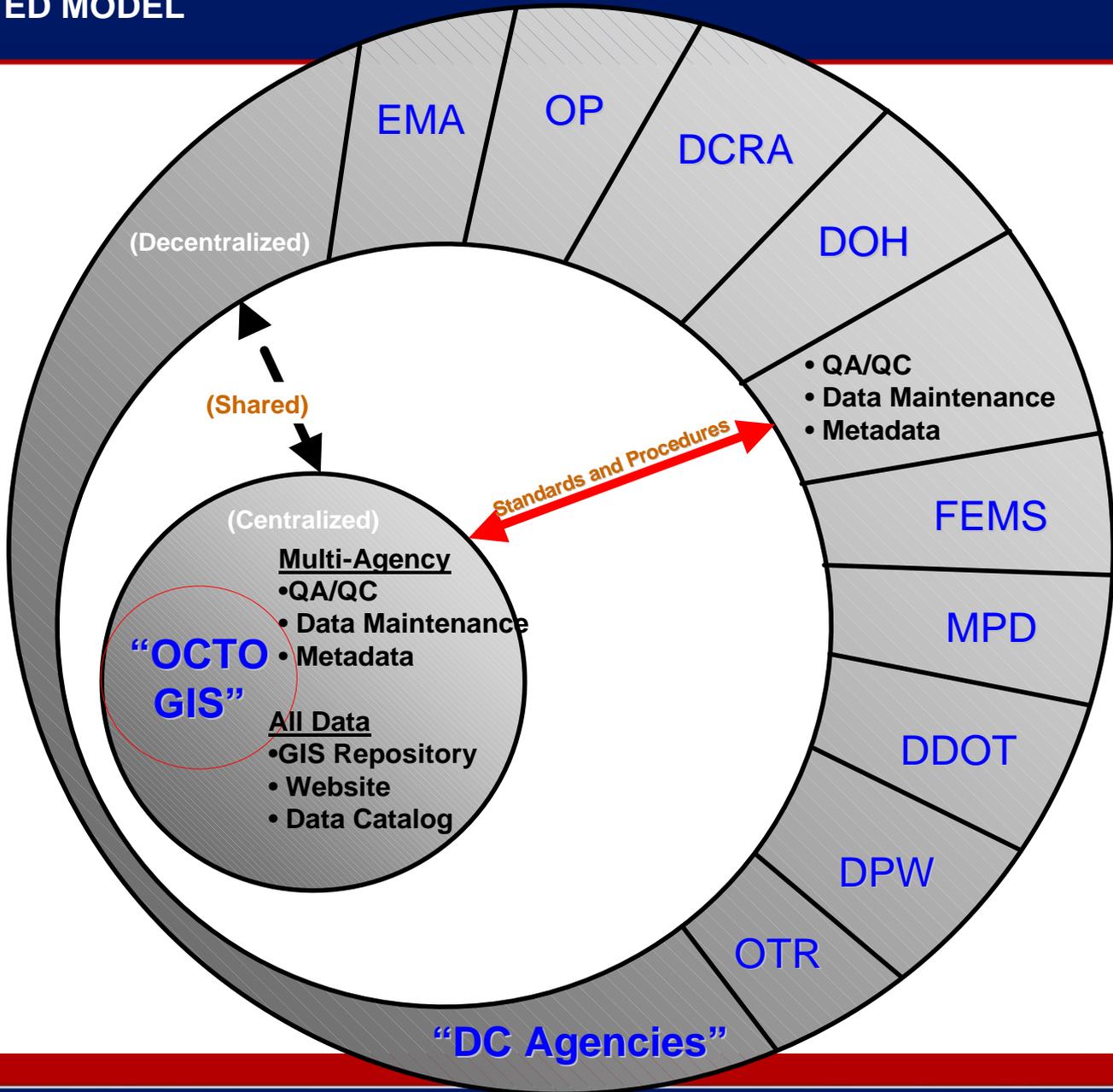


- Formalize the GIS enterprise architecture
 - A strong central GIS with policies for exceptions
 - Deploy OpenGIS, Web Map Services, and Metadata registry
 - Align with SMP architecture
- Deploy geospatial web services in conjunction with DC Stat
- Consolidate backend systems to the point where we have one production database running ArcSDE 9+ and one running Oracle spatial 10g
- Update data maintenance procedures and implement ArcGIS 9 integrity rules
- Align GIS Liaisons with SMP vision and enlist them to help market and implement SMPs
- Move to enterprise licensing for GIS software

OCTO GIS Staff



DC GIS FEDERATED MODEL



Onsite Placements



- On site workers
 - GIS Specialists PMs, Systems, DBAs, Developers, Analysts
 - Contractor supplies qualified person
 - OCTO provides supervision and takes project risk.
 - Major Contracting Terms
 - Skills/years of experience and must match rate schedule
 - OCTO supplies: office, hardware, software, phone
 - Generally positions are full time
 - OCTO has its own time keeping system
 - Expenses are not reimbursable unless specifically stated in PO.
 - Non-competitive renewals are possible
 - Selection is based on skill, experience, price, and interview
 - LSDE preference generally applies
 - Conversion to District of Columbia full time employment is possible



- Business location data (DC)
- Oblique Imagery (DC)
- Region Base Map (DC and adjacent jurisdictions)
- Satellite imagery service (quarterly or semi-annual pass, true color, DC)

Mutual Past Accomplishments



- Central GIS
- Othophotophy
- Street Centerlines
- Planimetric Map
- DC Atlas
- Property Owner Points
- Zoning Map
- Oblique Imagery
- DC Guide
- Online Data Catalog
- Emergency Information Center
- Answers Please
- Fire Operations Center
- Fire Hydrant Layer
- Energy Office GIS
- Environmental Health Administration GIS

Ongoing and Planned Project FY 2005

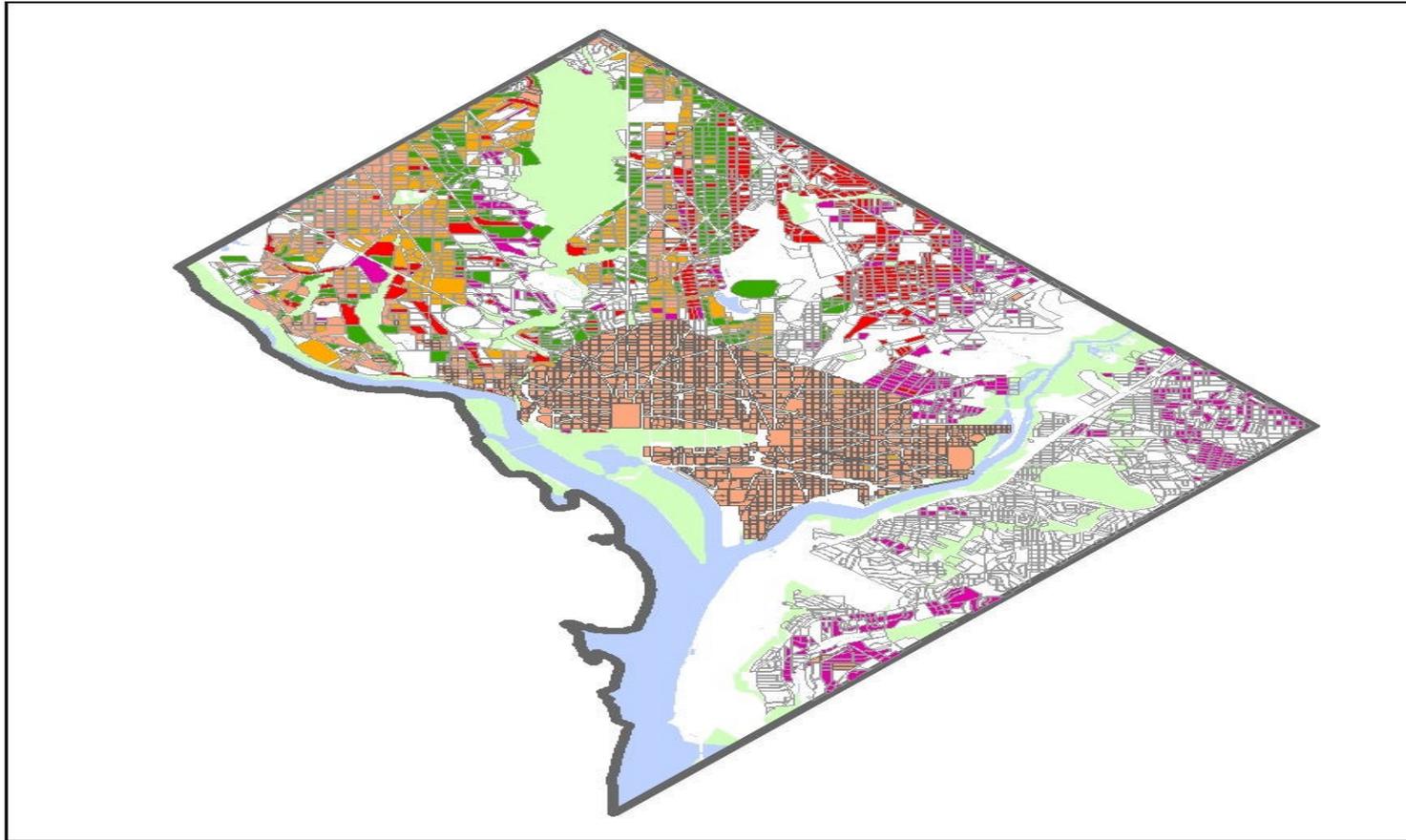


- Planimetric Update
- Distributed Editing Tools
- DC STAT
- Property Services Modernization Program
- Master Address Repository
- Master Address Repository Maintenance
- Vector Property Map
- Vector Property Maintenance
- Vector Property Map (Parcels, Reservations, Jurisdictions)
- Application updates to replace owner points
- Planned and Existing Land Use
- Master Centerline and Routing
- 3D GIS
- GIS Back End Operations
- GIS Back End Consolidation and Geodatabase Redesign
- FEMS Call Analysis
- Hydrant Maintenance
- DC EMA Support
- Office of Planning Support
- Standard Map Production Tools
- Licensed Data Buy
- End User Training Program
- Open GIS Implementation
- Internet/Intranet Site Makeover
- Flood and Storm Water Layers



Bill Bond's Slides

VECTOR PROPERTY PROJECT SQUARES STATUS MAP 11/02/04



APPROXIMATE SQUARES IN DC - 4650
SQUARES DELIVERED TO OCTO - 3,291 (~70%)

- 1639 Squares: Delivery 1- Delivery 6 (under 2nd review by OCTO)
 - 377 Squares in D7 (returned to Dewberry for corrections)
 - 385 Squares in D8 (returned to Dewberry for corrections)
 - 456 Squares in D9 (returned to Dewberry for corrections)
 - 434 Squares in D10 (OCTO QC in Progress)
 - 1,359 Squares Remaining (D11-D14)
- Parks
 Water
 DC Boundary



Sources:
 Office of the Mayor (DCRA)
 Office of Tax and Revenue (OTR)
 Office of the Chief Technology Officer (CTO)
 National Park Service (NPS)

Date: November 2, 2004
 Prepared by: DC-OCTO-GIS

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VECTOR PROPERTY MAP PROJECT

MAJOR TASKS REMAINING



- | | |
|-------------------------|----------|
| • DELIVERY #11 | 11/10/04 |
| • DELIVERY #12 | 12/08/04 |
| • DELIVERY #13 | 1/10/05 |
| • DELIVERY #14 | 2/7/05 |
| • ALL CORRECTIONS DEL'D | 3/30/05 |
| • QA/QC ALL CORRECTIONS | 4/5/05 |

VECTOR PROPERTY MAP PROJECT

MAJOR TASKS REMAINING



- **DEWBERRY PROCESS CHANGES** 6/03/05
- **QA/QC OF ALL CHANGES** 7/1/05
- **USER SYSTEMS MANUAL DUE** 6/1/05
- **USER SYSTEM TRAINING** 6/1-6/30
- **PARALLEL SYSTEM TEST** 7/4-7/22
- **SYSTEM OPERATIONAL** 7/25/05