# Prince William County GIS Services

A proud division of DoIT

Presented by

Angela Mills, GISP, GIS Division Chief Brian Engelmann, Ph.D., Demographer

## About Prince William County GIS

- Who we are
  - Division within the Department of Information Technology
  - What is our mission in PWC
    - Provide access to location based information
    - Counter based services
    - Support every agency in Prince William County and most of their associated services.
- How we are structured
  - Structured into 4 teams each play an important part.
    - Data Services data stewards
    - Technical Services developers
    - Addressing/Customer Services public facing services
    - Demographics



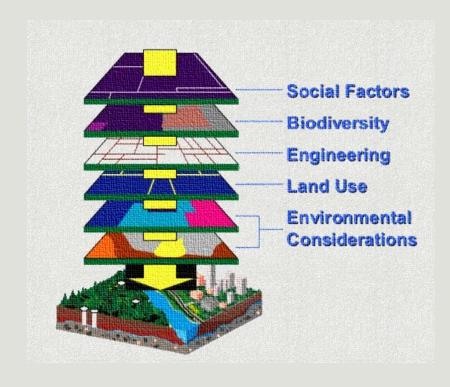
#### What is GIS?

#### Technology

- Gather, manage, and analyze location data
- Data that represents features on the earth
- Visualize, question, analyze and understand the data.

#### Benefits to Local Government

- Transparency
- Improves organizational communication
- Better decision-making skills



Parcel/Tax Mapping

Addressing

**Permit Tracking** 

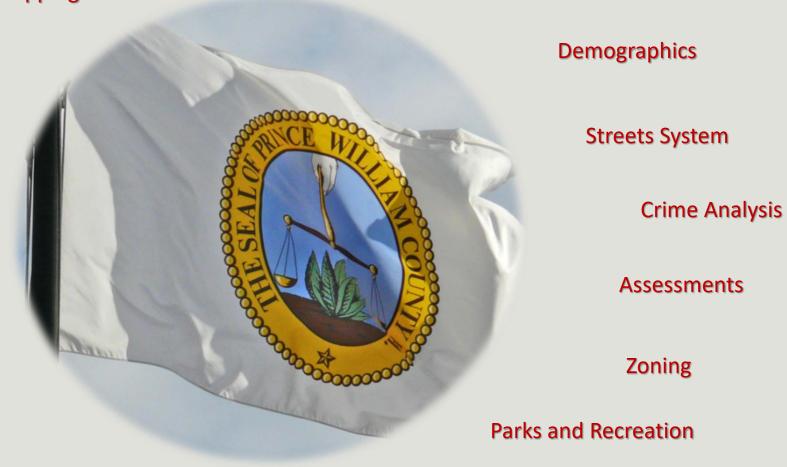
Land-Use Planning

**Emergency Management** 

Infrastructure Mgmt

**Environmental** 

**Public Safety** 



## GIS Utilization in Prince William County



#### GIS Services for Communities to Use

#### **Customer Service Counter**

- Addressing Services
  - Enforcement of addresses and street names
  - Addressing assignments, validation, verification
- Thematic Maps
  - Pre-designed maps generated on the fly fees associated
- Historical aerial imagery
  - Now available online
  - 1966 and 1984 are still only available in office.



#### GIS Services for Communities to Use

#### **Customer Online Services**

- GIS Data Portal Open access to GIS data
- Map Gallery Access to a wide variety of interactive mapping applications
- Webpages Wealth of information about our services
- Demographic Information –Single portal into human population statistics for PWC

#### Easy Accessibility

- GIS Data Portal www.pwcgov.org/gisdata
- GIS Map Gallery www.pwcgov.org/mapgallery
- Addressing and Customer Service www.pwcgov.org/addressing
- Demographic Information www.pwcgov.org/demographics
- Email <u>pwcmaps@pwcgov.org</u>
- URL <u>www.pwcgov.org/gis</u>

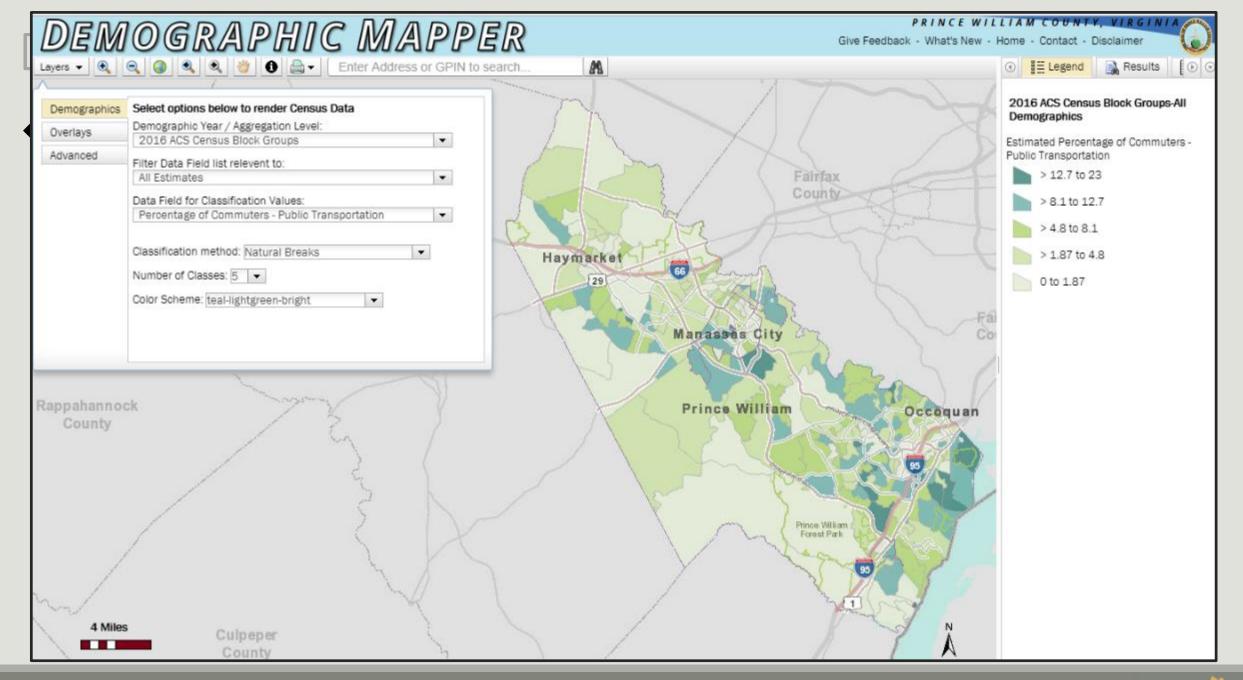












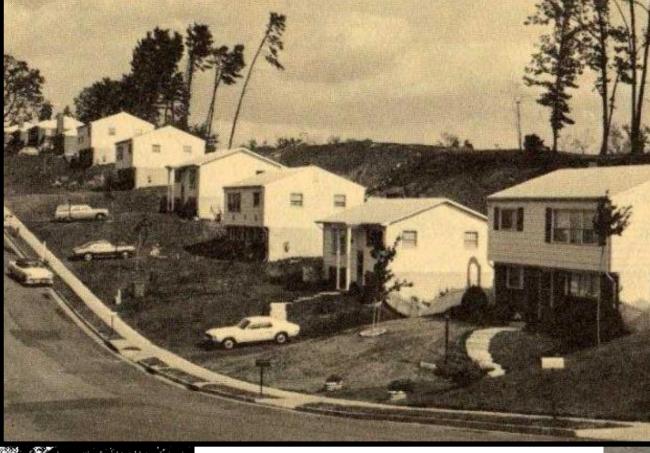
#### Baseline Demographics

Attribute	Value	
Total Population:	456,105	
Housing Units:	152,274	
1 Unit, Detached:	83,540	54.86%
1 Unit, Attached:	37,716	24.77%
Multi-unit:	31,018	20.37%
Households:	146,067	



## COMPLETE COMMUNITY





remmunity of new homes. CONVENIENT Bank within 3 blocks—2 blocks to Eleminew Gerlield High School—Repid Transp ALL CITY CONVENIENCES: Clubs, norte: Also Available Are 4-Bad

and Ram
DIRECTIONS From 14th St. Bridge of
to Wooder-doe, right on Route 123, a
home Open daily 9 'th dail.
Built by THE WOODBRIDGE



#### DIRECTIONS:

From 14th St. Bridge and Shiday Highway (Route 230) to Weedbridge, right on Route 123 approximately 15 mile to Manumozo Village sign, left to medal homes. Or U. 3. No. 1 to Woodbridge and particular as abore.

Open Daily & Sunday 9 A.M. 'til Dark

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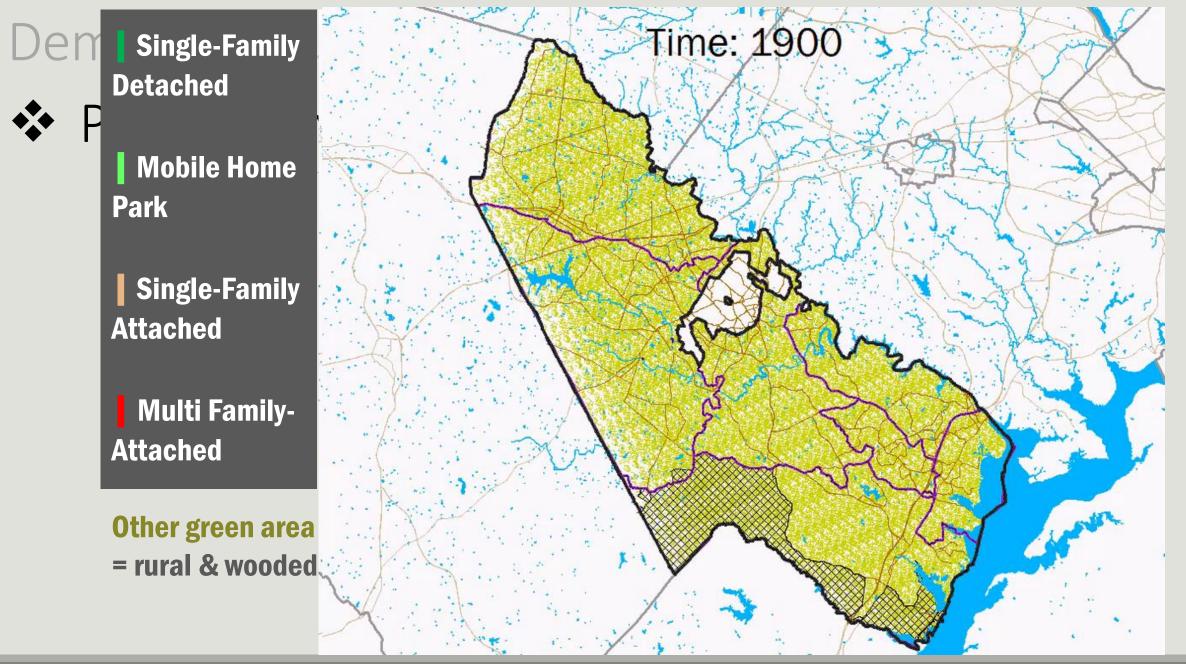


WOODBRIDGE, VA.
GYpsy 4-1822



SPACIOUS MODELS 15,650 to \$26,800 FHA FROM \$525 DOWN

**(a) pwcgis** 

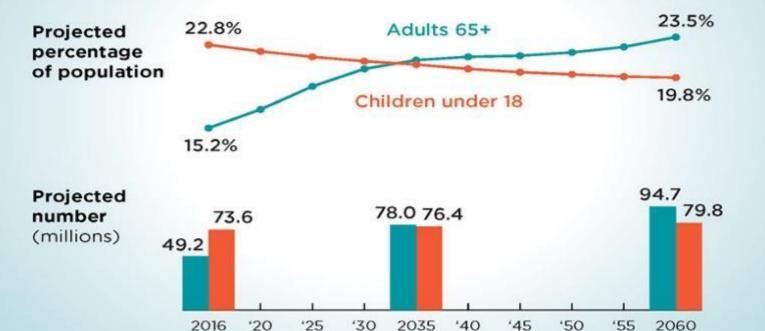




#### **An Aging Nation**

Projected Number of Children and Older Adults

For the First Time in U.S. History Older Adults Are Projected to Outnumber Children by 2035

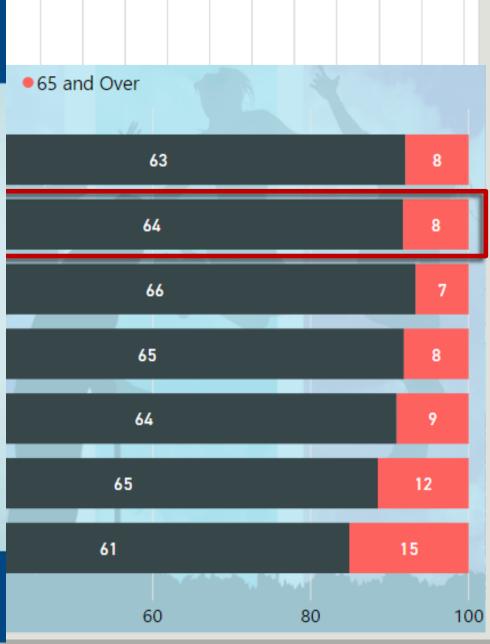




U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU Census.gov

Note: 2016 data are estimates not projections.

Source: National Population Projections, 2017 www.census.gov/programs-surveys /popproj.html







<b>Prince William Count</b>
Stafford County

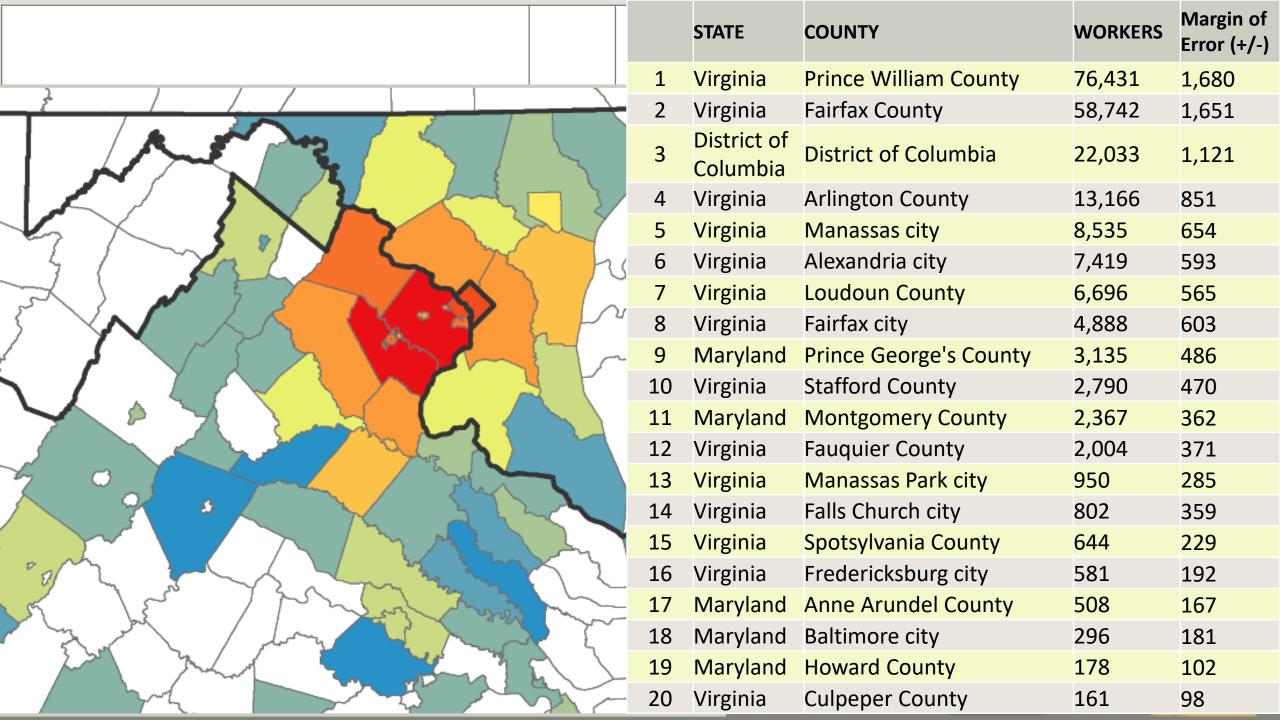
661,921	34.4%	1,045,708	43.9%	1,195,497	46.4%
18,419	19.9%	41,527	32.2%	49,259	35.3%
99,223	35.3%	206,346	51.3%	241,593	54.5%

U.S. Census 1980; 1990; 2000; 2010; U.S. Census American Community Survey (ACS) 2012-2016 5-Year Estimates. Minnesota Population Center. National Historical Geographic Information System: University of Minnesota.



Households	2000	2010	2011- 2015
Households (universe):	94,570	130,785	136,794
Average household size:	2.94	3.05	3.17
Families (universe):	76.91%	76.92%	77.41%
Average family size:	3.32	3.44	3.60
Married-couple family:	79.68%	77.57%	77.78%
Female householder, no husband present, with own children under 18:	9.81%	9.29%	8.55%
Male householder, no wife present, with own children under 18:	2.55%	3.31%	3.84%





## Housing

	PWC	D.C. Metro	Virginia	U.S.
Occupied housing units:	95.8%	93.5%	89.5%	87.7%
Owner-occupied housing units:	71.2%	63.0%	65.8%	63.6%
Renter-occupied housing units:	28.8%	37.0%	34.2%	36.4%
Median year structure built:	1991	1979	1981	1977
Median year householder moved into unit:	2006	2006	2005	2005
Median Value:	\$345,900	\$387,400	\$248,400	\$184,700

#### PWC's Future

- Growing popula
- Aging populatio
- Increasingly may younger popula
- More jobs in he arts/entertainm accommodatior
- Rising needs for poverty line

