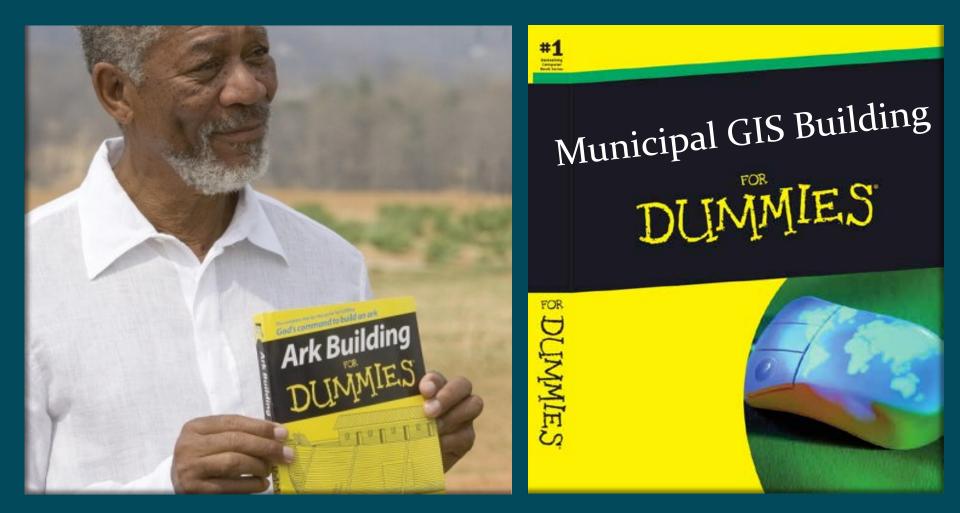
Building a GIS boat.

The first 40 days (or so...) of GIS in Arlington

Adam Kurowski, GIS Coordinator Town of Arlington, MA



Connect hardware...download free trail software...review existing data...



Day 2, 3...

Call some friends. Anyone know how to swing a hammer? Build a boat? Captain a ship?

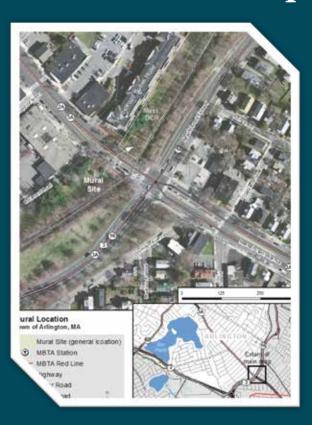
Thank you to all who heard my calling!

Chris - Bedford Todd - Belmont Feng - Brookline Jeff - Cambridge Matt - Concord Leon - Dedham Judy - Lexington Doug - Netwon Kim - Reading Brian - Somerville John - Westford Beth - Winchester Neil – MassGIS Vin - TTOR and many more...



Anyone in the mood for some low-hanging fruit?

Completed first GIS request.





Who am I building this for? What are their needs? How tall is a giraffe?

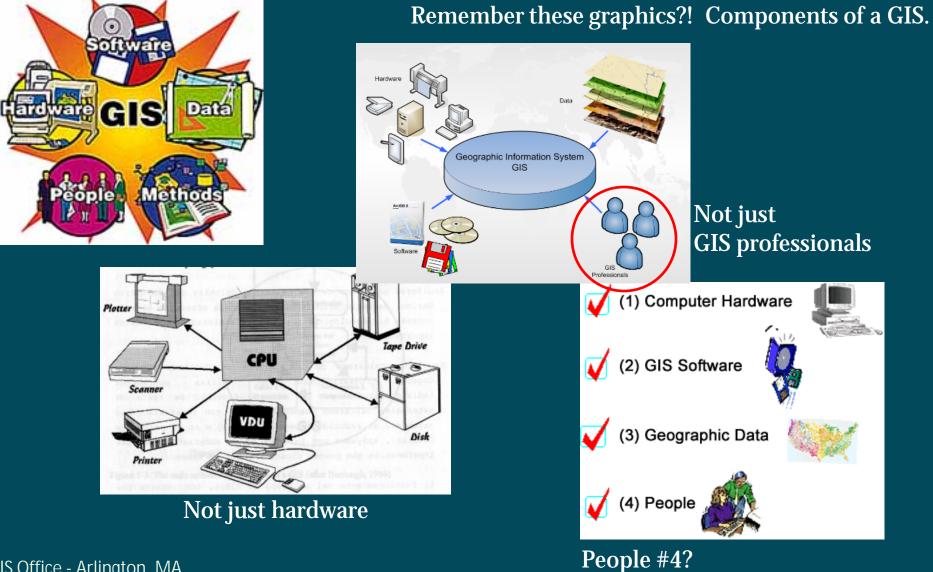


Day 5, 6, 7...

Designing a boat to meet the needs of animals customers.

Interview questions for Department Heads				
Information contained in this document is for planning purposes only				
Dep	Date: 4/5/2011			
Сог	GIS Steering Committee interest: Yes / No			
Others present:				
A.	 A. Does your department have any existing GIS data and/or other types of maps? Yes If yes, where are they located? How and when was the data developed? Has it been updated? 			
B.	 B. Do you have any other databases that may useful for GIS to link to or reference? If yes, where are they located? How and when was the data developed? Has it been updated? 			
C.	C. What software have you used to manage GIS data? O			
D.	D. Summarize your current projects that GIS could possibly support. o			
E.	E. Summarize your department's future needs in general and related to GIS. O			
F.	With your current and future projects in mind, what types of GIS data or analysis may be useful to develop? o			
G.	. What are some of your concerns related to GIS and integrating it into your department? $_{\rm O}$			
H.	Other Comments ○			

Everyday



My GIS is about People

Processing Image Processing For Fieldwork Spatial Analysis GiS Database Development

GIS is made by PEOPLE for PEOPLE.







Day 14

Start building...one nail at a time. (note the brown hair...)



Day 14 (on-going)

- Main geodatabase
- Work Area
 - Data development
 - Modeling
 - Temporary files



The technical slide. Building the frame.

AddressPoint

Arlington_GIS
 ManagedData
 MassGISReferenceData
 OtherReferenceData
 WaterSewerData
 ortho2008_30cm_mosaic

Anno_Roads_7000 Anno_Roads_7000_relationship BikeRack BuildingFootprint CemeteryOwner CemeteryPoint CemeteryRoads CemeterySection CrossWalk CrossWalk line A Drainage_Network Drainage_Network_Junctions DrainageIndex DrainageOutfall 🔁 DrainagePipe DrainagePoint EdgeOfPavement line FireHydrant FireHydrantIndex FireIncident FireWard LightStreet

XI ManagedData_Topology

GIS Office - Arlington, MA

Day 28

- Completed first high priority project
 - Cross-departmental effort
 - Inspections, Planning, & GIS Office
 - Immediate impact
 - Posted in conference rooms

A splash (of color) in month one.



GIS Office - Arlington, MA

Biggest Priority for Year One.

 Elementary School Redistricting

Day 35

- Priority project
 discussed in interview
- May 2010 thru June 2012
- ~10 public meetings
- Newspaper/media coverage
- First real public exposure



Day 40

Judgment day?

- Turns out you can't build the whole boat in 40 days!
 - Commemorated the day by reviewing some information gained thus far.
 - Felt I could see a large swath of the valley.





OK, I'll finally pay for some software.

- Purchased one seat of ArcInfo 10
- **2012 purchases**
 - ArcEditor for Engineering
 - ArcView for Crime Analyst
 - PeopleGIS for use townwide
 - MapsOnline and PeopleForms







Town of Arlington, Massachusetts

Geographic Information Systems (GIS) Strategic Plan - DRAFT

Created: June 2011, updated September 2011, Nover 2012 By: Adam Kurowski, GIS Coordinator



Prepared by the Town of Arlingto 730 Massachusetts Ave. Arlington, MA 02476 781.316.3385

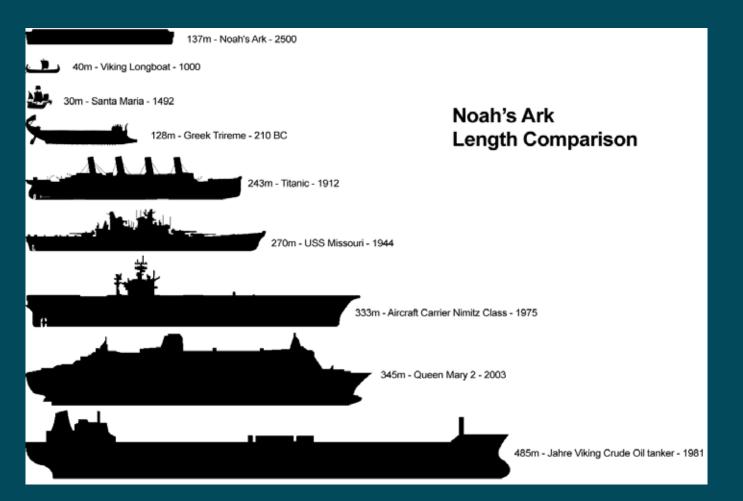
Background Image: State GIS Use State GIS Use Image: State GIS Use Arlington's GIS Landscape as of March 2011 Image: State GIS Use Planning Department Image: State GIS Use Department of Public Works Image: State GIS Use Cemetery Commission Image: State GIS Use Police Department Image: State GIS Use Non-Geographic Data Image: State GIS Use A Vision for a Successful GIS Image: State GIS Use Basic Mapping Image: State GIS Use Gis Standards and Methods Image: State GIS Use and Applications Departmental Projects and Implementation Schedule Implementing an Enterprise Data Management System	Contents	
State GIS Use		
Local GIS Use		
Arlington's GIS Landscape as of March 2011	State GIS Use	2
Planning Department 2 Department of Public Works 3 Cemetery Commission 2 Police Department 3 Fire Department 4 Non-Geographic Data 4 A Vision for a Successful GIS 4 Basic Mapping 4 Geographic Analysis 5 Process for Reaching an Enterprise System 5 GIS Standards and Methods 5 Data Centralization 5 Integrating GIS Use and Applications 5 Education and Training 6 Departmental Projects and Implementation Schedule 6	Local GIS Use	2
Department of Public Works		
Cemetery Commission	Planning Department	2
Police Department Fire Department Fire Department A Non-Geographic Data A A Vision for a Successful GIS. B Basic Mapping A Geographic Analysis B Process for Reaching an Enterprise System B GIS Standards and Methods B Data Centralization B Integrating GIS Use and Applications B Education and Training B Departmental Projects and Implementation Schedule B	Department of Public Works	
Fire Department 4 Non-Geographic Data 4 A Vision for a Successful GIS 4 Basic Mapping 4 Geographic Analysis 5 Process for Reaching an Enterprise System 5 GIS Standards and Methods 5 Data Centralization 5 Integrating GIS Use and Applications 5 Education and Training 6 Departmental Projects and Implementation Schedule 5	Cemetery Commission	
Non-Geographic Data. 4 A Vision for a Successful GIS. 6 Basic Mapping. 4 Geographic Analysis 5 Process for Reaching an Enterprise System. 5 GIS Standards and Methods 5 Data Centralization. 5 Integrating GIS Use and Applications. 5 Education and Training. 6 Departmental Projects and Implementation Schedule. 5		
A Vision for a Successful GIS	Fire Department	4
Basic Mapping. 4 Geographic Analysis 5 Process for Reaching an Enterprise System. 5 GIS Standards and Methods 5 Data Centralization. 5 Integrating GIS Use and Applications. 5 Education and Training. 6 Departmental Projects and Implementation Schedule. 5	Non-Geographic Data	
Geographic Analysis	A Vision for a Successful GIS	4
Process for Reaching an Enterprise System	Basic Mapping	4
GIS Standards and Methods	Geographic Analysis	5
Data Centralization	Process for Reaching an Enterprise System	
Integrating GIS Use and Applications	GIS Standards and Methods	5
Education and Training	Data Centralization	5
Departmental Projects and Implementation Schedule	Integrating GIS Use and Applications	
	Education and Training	6
Implementing an Enterprise Data Management System	Departmental Projects and Implementation Schedule	
	Implementing an Enterprise Data Management System	9
Overview	Overview	
Best Management Practices	Best Management Practices	9
Workflow and Procedures	Workflow and Procedures	

A design guide is developed, tailored to Arlington's needs.

I am willing to share my plan... just ask.

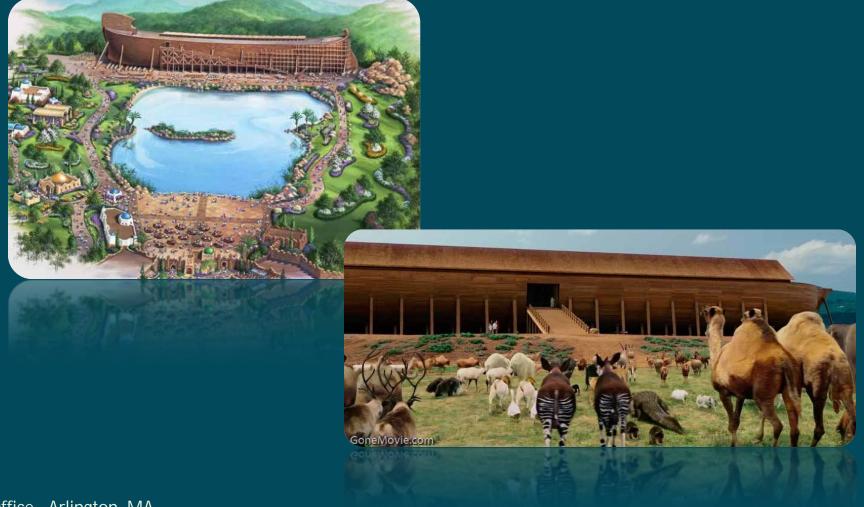
The Surviving the Flood.

It's your boat. Design it to fit your needs.



The Vision.

Building with a purpose and to support many causes.



The End.

Please contact me with comments, questions, and advice.

Adam Kurowski, GIS Coordinator Town of Arlington, MA <u>akurowski@town.arlington.ma.us</u> 781-316-3385



...white hair