



# What is ArcGIS?

- An integrated collection of GIS software products for building a complete GIS

Desktop, Mobile, Server, On-line, Developer Tools and Viewers



## Why ArcGIS?

- The defacto GIS software standard within the FWS

## Who else uses ArcGIS?

- Most Federal & State Land Management Agencies
- USGS, Forest Service, NPS, BLM, FWS



# Who is ESRI ?

- Environmental Systems Research Institute,  
Redlands, CA

<http://www.esri.com/index.html>



# What's Up with the name?



**Arc...Arc...Arc...Arc....**

It's not a barking dog but a line between two vertices

Hence the name and the common element in their product line.



# Are there other GIS software packages?



<http://www.intergraph.com/>



<http://www.pbinsight.com/welcome/mapinfo/>



<http://grass.osgeo.org/>



# What's the difference between ?

**ArcGIS?**

**ArcView?**

**ArcInfo?**



# ArcGIS

- A collection of GIS products:  
Desktop, Server, On-line, Mobile, Tools and Viewers  
<http://www.esri.com/software/arcgis/index.html>
- Based on VB
- Designed for the Individual or a large Corporation
- FWS primarily uses the **Desktop** family



# ArcGIS Desktop, Versions 8.3 - 10.0

**ArcView - \$**



**ArcEditor - \$\$**



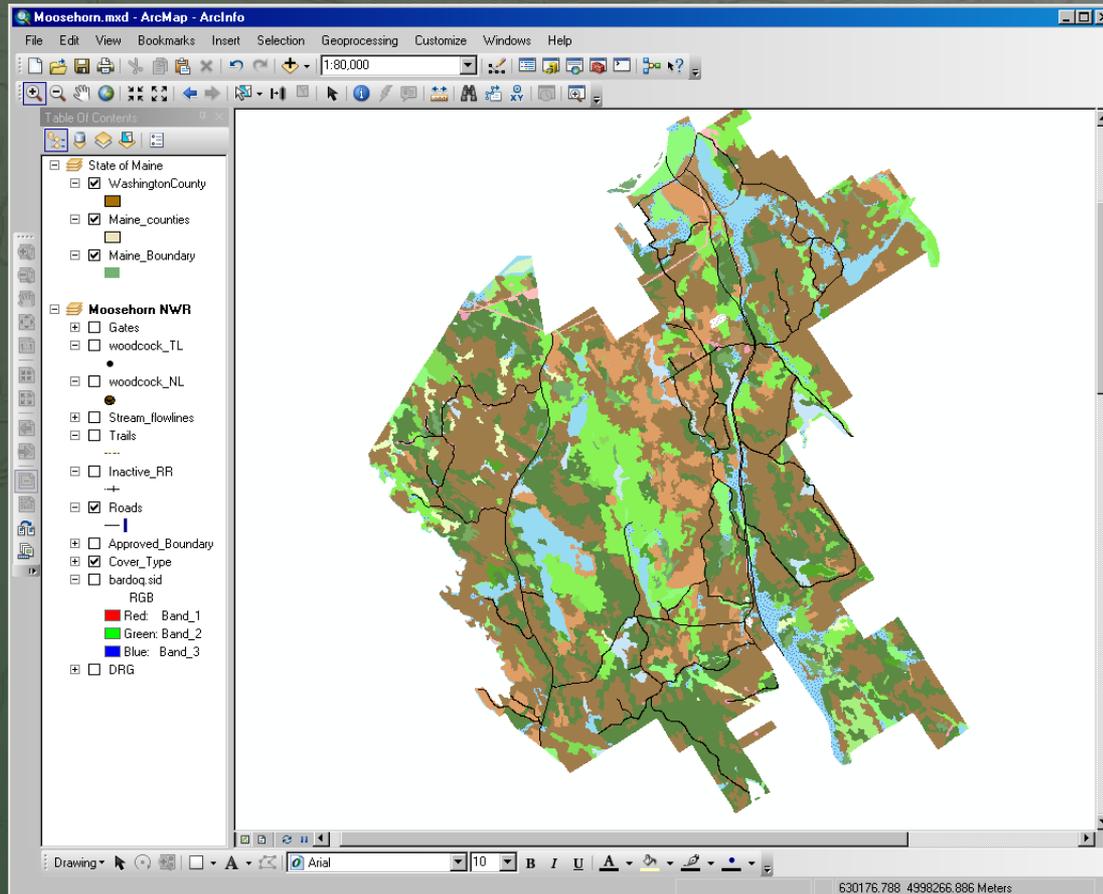
**ArcInfo - \$\$\$**



You use one, you know them all !



# ArcMap

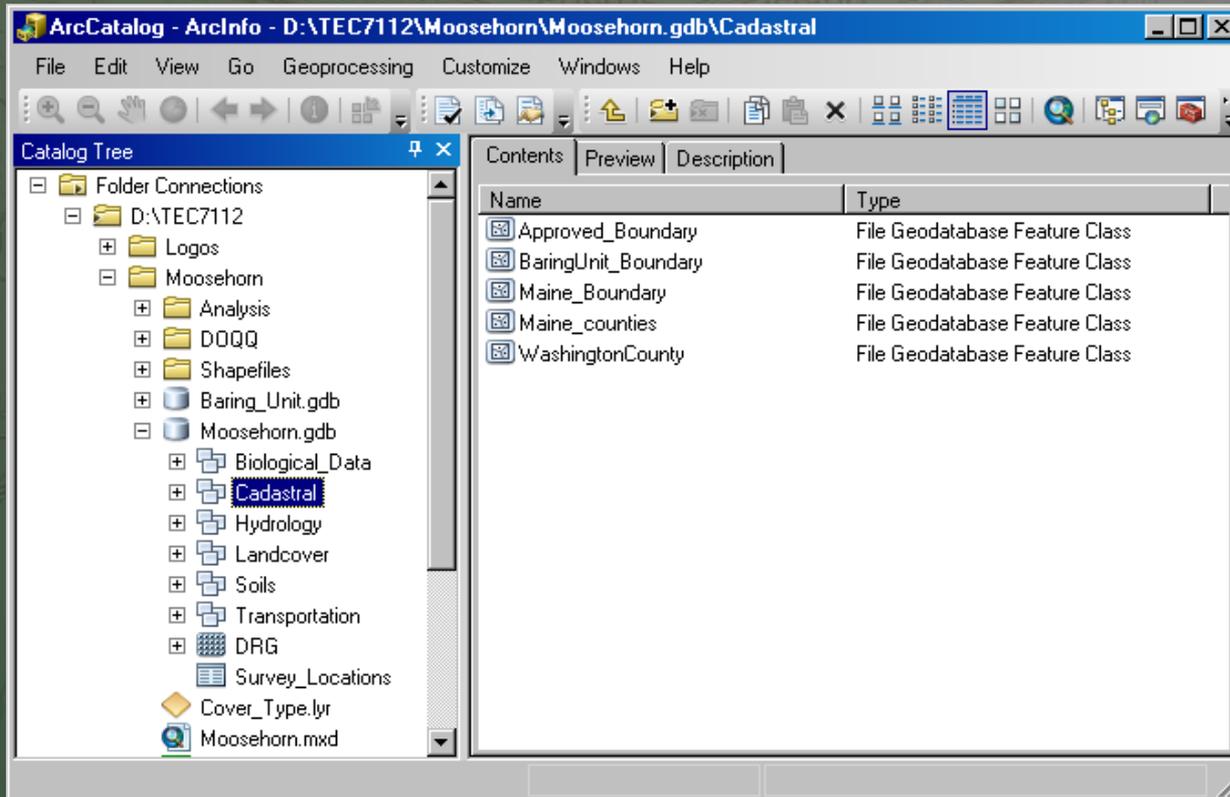


View GIS data  
(graphically or in tables)  
& create maps



# ArcCatalog

Manage & organize  
GIS files

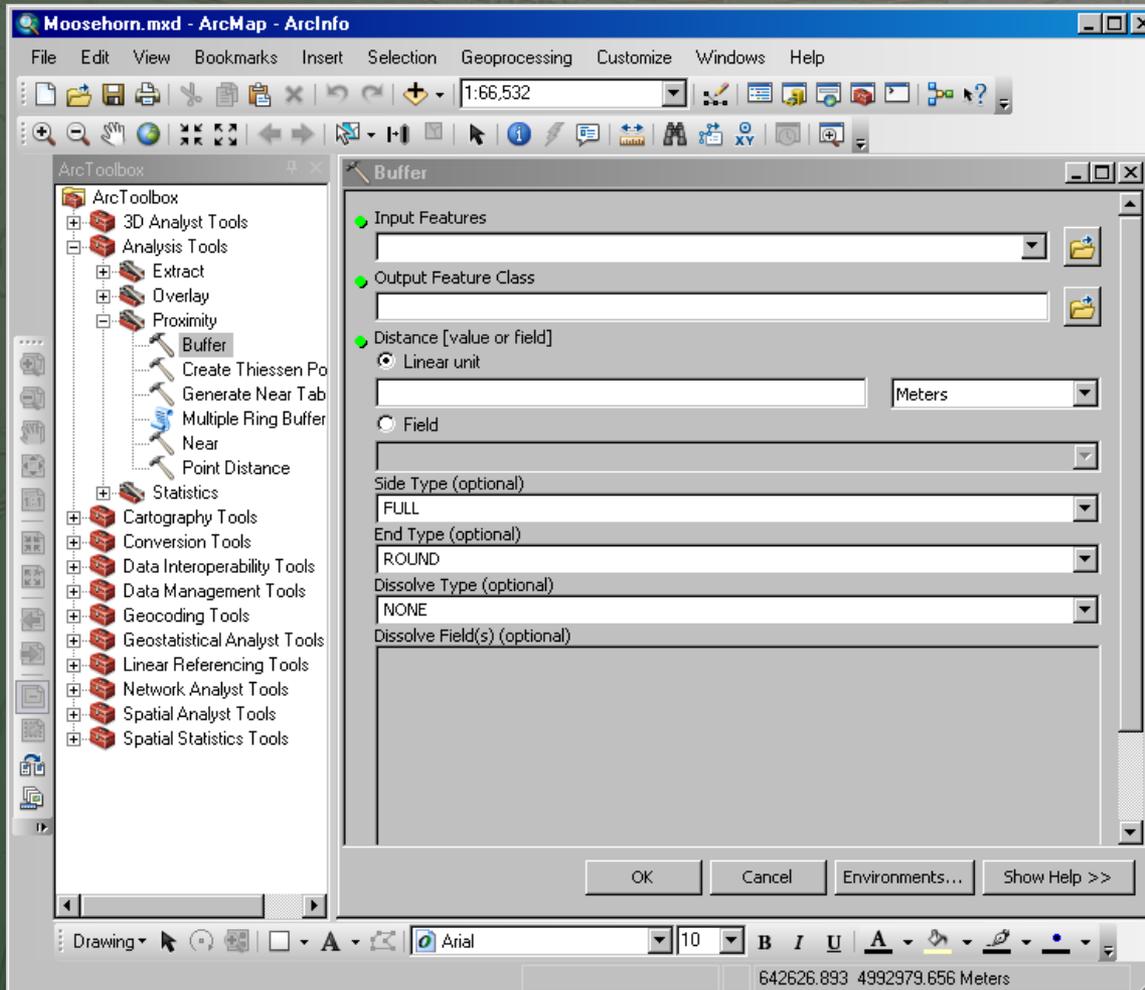




# ArcToolbox



Manipulate GIS data  
(reproject & transform)





# ArcInfo Workstation (1981-1999) Versions 1.0 - 8.0

- High end developers tool – High geek factor
- Hosted on a Unix, IBM mainframe or Prime Mini computer
- Command line - **Arc:**
- Proprietary Programming Language - **AML**
- Not user-friendly or for the casual user!



# The old ArcView (1991-Present) Versions 1.0 – 3.3

- Originally developed for non-GIS specialists - Biologist, Managers, Recreation Planners
- GUI Graphical User Interface
- User-friendly, sort of
- Proprietary Programming Language - Avenue
- Reads Shape files and Coverages



## DOI ESRI Enterprise License Agreement (ELA):

- License agreement is a set cost for software and extensions for DOI from 2008-2013
- Costs for the licensing are taken out at the top before the money is distributed to the Regions
- Amounts taken out per Region are set at the 2009 numbers of licenses until the ELA is renegotiated in 2013
  - currently no cost for additional (or less) ESRI licenses (until 2013)
- ArcInfo is the recommended license - see the installation guide for further information
- Licenses are distributed by the Regional contacts



## The ELA also includes :

- Category A Software (other software can be purchased through ESRI with GSA prices)
- ArcPad Free Upgrades
- Unlimited ESRI Virtual Campus Seats for standard classes
- Free ESRI Annual User Conference Passes
- Authorized tech support callers - we only get 25 callers – please contact your Regional Rep to have ESRI tech support call you back