Using BLM ArcIMS and WMS map services within your ArcGIS.
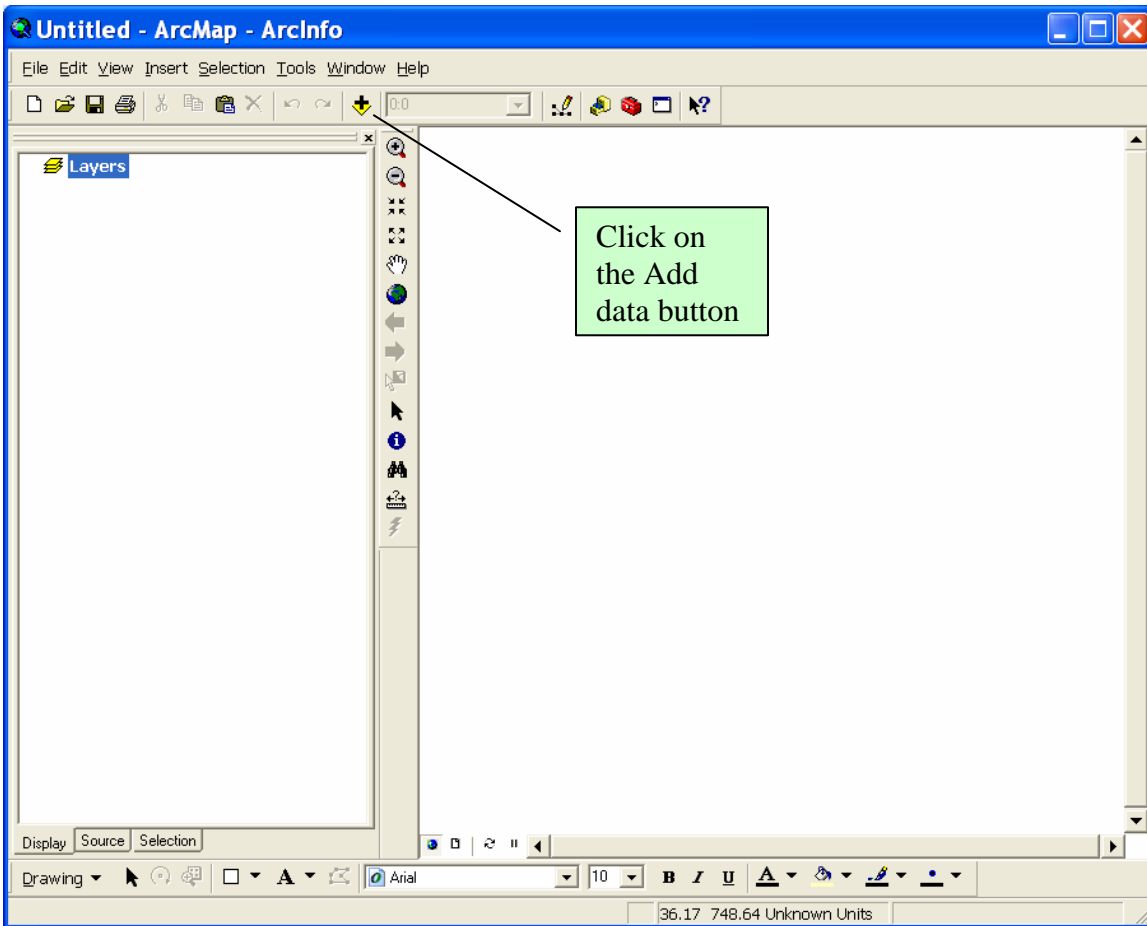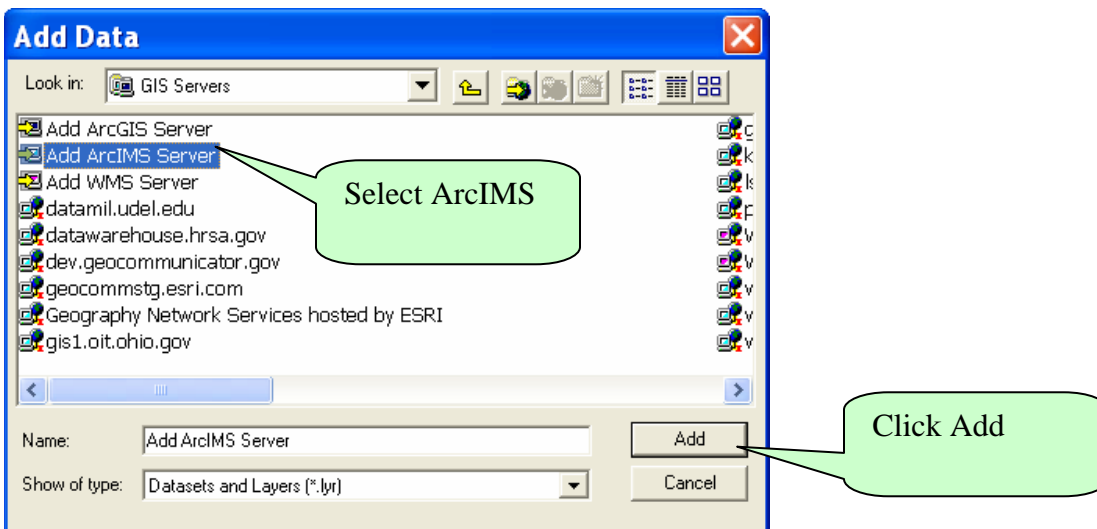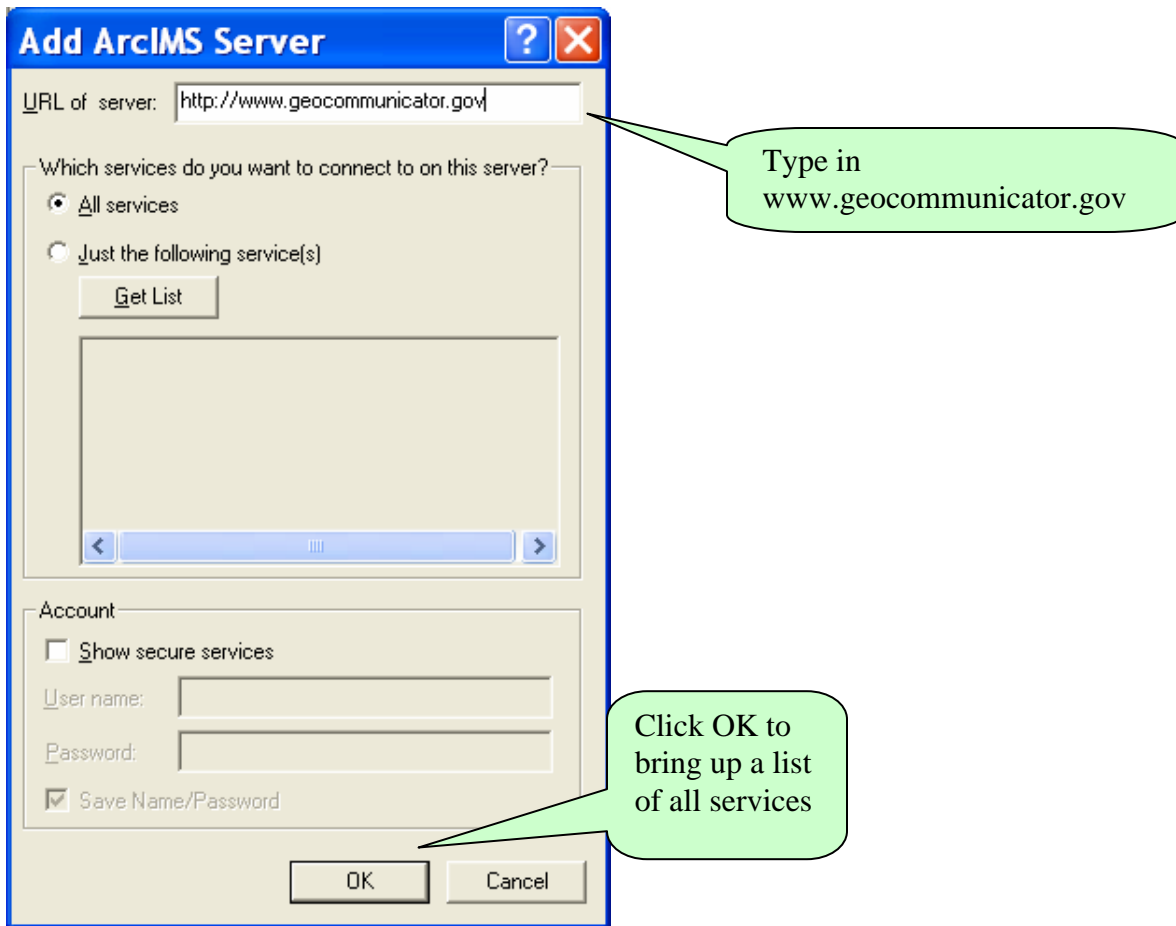
1-Bring up ArcMap

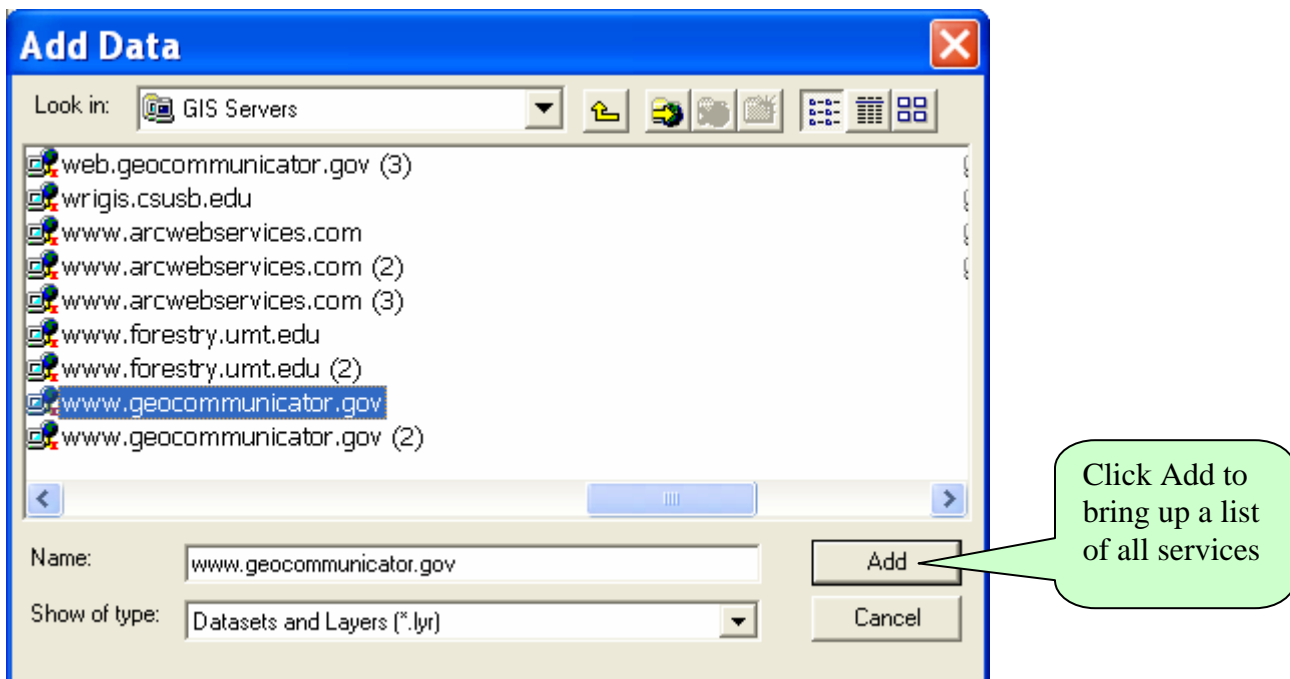

2-Add data

3-Add www.geocommunicator.gov as the URL

Add ArcIMS Server

URL of server: http://www.geocommunicator.gov

Which services do you want to connect to on this server?
- ● All services
- ○ Just the following service(s)

Get List

Account
- ☐ Show secure services
- User name:
- Password:
- ☑ Save Name/Password

OK   Cancel

Type in www.geocommunicator.gov

Click OK to bring up a list of all services

4-Find web.geocommunicator.gov from the list of services, select Add.

Add Data

Look in: 📇 GIS Servers

- web.geocommunicator.gov (3)
- wrigis.csusb.edu
- www.arcwebservices.com
- www.arcwebservices.com (2)
- www.arcwebservices.com (3)
- www.forestry.umt.edu
- www.forestry.umt.edu (2)
- www.geocommunicator.gov
- www.geocommunicator.gov (2)

Name: www.geocommunicator.gov   Add

Show of type: Datasets and Layers (*.lyr)   Cancel

Click Add to bring up a list of all services

5-Below is a list of the available Map Services. For definitions of the map services see "Data Themes and Layers – Public" below.

Add Data

Look in: www.geocommunicator.gov

BLM_BASEMAPS_wms
BLM_CASES_wms
BLM_LSIS_EXTRACT
BLM_LSIS_Overview
BLM_LSIS_wms
BLM_MAP_BASEMAPS
BLM_MAP_GEOTHERMAL
BLM_MAP_OIL_AND_GAS
BLM_MAP_PLSS

BLM_MAP_SOLID_MINERALS
BLM_MAP_SURFACE_MGT_AGY
BLM_nifc
BLM_OTHER_LEASES_wms
BLM_OVERVIEW
BLM_PARCELS_wms
BLM_RANGELAND_wms
BLM_SURFACE_MGT_AGY
BLM_TWP_INDEX_wms

BLM_U

Name: BLM_LSIS_wms; BLM_MAP_OIL_AND_GAS

Show of type: Datasets and Layers (*.lyr)

Add

Cancel

> Control click to select more than one map services

> Click Add to bring in the map services

Data Themes and Layers - Public	
The following data themes are maintained in the National Integrated Land System (NILS) through the Survey Management (SM), Measurement Management (MM) or the Parcel Management (PM) transaction modules. The data from NILS is made available to the public for access and downloading through NILS' GeoCommunicator (www.geocommunicator.gov). Many of the themes are also available as Map Image Services that can be accessed through GIS software.	

NILS' GeoCommunicator – www.geocommunicator.gov Data available as a map service, downloadable data, and/or in a mapping application	
PLSS (Public Land Survey System) Map service: www.geocommunicator.gov Service Name: BLM_MAP_PLSS BLM_LSIS_wms Downloadable from **Land Survey Information** Section	Graphic representation of PLSS including Meridians, Township, Range, Sections, subdivisions, and special surveys (not fully populated) providing the foundation for a multipurpose cadastre. Includes BLM's GCDB data and alternate source data from other agencies including the USFS and the Risk Management Agency (RMA). This data layer contains both survey and unsurveyed data. Progress has been made to fill in most of the missing PLSS data with additional alternate source data.
Land & Mineral Use Record Data (pending, active, and closed cases) Access to Serial Register Page and Township Geographic Reports from LR2000. Access to BLM State online Master title plats. Map service: www.geocommunicator.gov Service Name: BLM_MAP_GEOTHERMAL • Geothermal Leases & Agreements BLM_MAP_MINING_CLAIMS • Mining Claims BLM_MAP_OIL_AND_GAS • Oil & Gas Leases & Agreements	Stipulations - For CO, MT, NM, CA, OR, and WA. BLM_MAP_SOLID_MINERALS • Coal Leases • Logical Mining Units (coal) • Known Leasing Areas • Other Solid Mineral Leases, Permits, and Licenses BLM_Other_Lease_wms • Mineral Materials Disposal • Non-mineral Uses, Leases and Permits • Oil & Gas Sale Parcels for CO, WY, and NM. Access to State Office sale website and sale notice. • Rights-of-Way BLM_PARCELS_wms • All parcel cases BLM_SUBSURFACE • BLM subsurface mineral estate for WY and NM. More will be added as they become available.
Cases that Affect Land Status (CTALS) Access to Serial Register Page and Township Geographic Reports from LR2000. Map service: www.geocommunicator.gov Service Name: BLM_CASES_wms	• Acquisitions • Corrective Actions (e.g. Deeds, Transfer Jurisdiction) • Designated Areas • Exchanges • Grants (e.g. State Grants) • Land Disposals (e.g. Homestead & Desert Land Entry) • Land Sales • Mineral Patents • Pending Exchanges • Public Law 167 • Withdrawals & Classifications
Range Allotments	• Allotment boundaries

Map service: www.geocommunicator.gov Service Name: BLM_RANGELAND_wms	• Pasture boundaries Access to the Allotment Master and Allotment Use Report from the Range Authorization System (RAS).
Site Mapper – Sites Map service: web.geocommunicator.gov Service Name: BLM_SITES	• BLM Abandoned Mines includes information from PRIS • Abandoned Mines from other agencies: State of California, EPA, MSHA, OSM, USFS, USGS • Administration Sites - includes information from FAMS • Buildings - includes information from FAMS • Campgrounds - includes information from FAMS • Recreation Sites - includes information from FAMS • Impaired Watersheds • Section 303 Listed Waters
Healthy Lands This viewer is in development and will include more environmental layers in the future.	• Administration Sites - includes information from FAMS • Buildings - includes information from FAMS • Campgrounds - includes information from FAMS • Recreation Sites - includes information from FAMS • Range Allotments • Watersheds • Reference and base maps
NILS' GeoCommunicator – www.geocommunicator.gov ***BLM Data Themes***
Surface Management Agency Map service: www.geocommunicator.gov Map Name: BLM_MAP_SURFACE_MGT_AGY	Boundaries of all federal surface management agencies in the U.S.
BLM Admin. Boundaries Map service: www.geocommunicator.gov Service Name: BLM_MAP_BASEMAPS	BLM Administrative Boundaries
EPCA Basin Study Data Themes	• Gas Density • Liquid Density • Oil & Gas Basin Study Areas
NILS' GeoCommunicator – www.geocommunicator.gov ***Additional Reference Themes***
GeoCommunicator provides reference themes streamed from other Data Providers for viewing with BLM data sets Map service: www.geocommunicator.gov Service Name: BLM_MAP_BASEMAPS or BLM_BASEMAPS_wms	Base Maps • County Boundaries • State Boundaries • Urban Areas • Major Roads Online Reference themes not available as map services • Color Shaded Relief • Digital Raster Graphics (DRG's) – topographic maps • Digital Ortho Quads (DOQ's) - imagery • Lakes • PLSS Principal Meridians • Rivers
Additional NILS GeoCommunicator Tools
Geocoder	Geocoder allows for the conversion of Latitude and Longitude