Setup Instructions

Table of Contents

Introduction

Welcome to the 2012.0.0 release of the **Discovery**™ **, Landmark® Connectivity,** and **Seismic Modeling** software.

- **Discovery** includes the Discovery™ 2012.0.0, PRIZM ™ 2012.0.0, smartSECTION® 2012.0.0 and SeisVision™ 2012.0.0 software.

- **Landmark Connectivity** includes the WellXchange™ , GridXchange and SeisXchange™ software.

- **Seismic Modeling** includes the LogM™ 2012.0.0 and STRUCT™ 2012.0.0 software.

Discovery software is available through the Landmark Software Manager (LSM) or, on request, on a DVD.

Caution: General Installation Requirements - please refer to the System Requirements for a complete list	The following conditions must be met before you can install the Discovery, Landmark Connectivity, and Seismic Modeling software: • You must have **Administrative Rights** to the local computer that will run the install. • Must have **Internet Explorer 6.0** or higher installed. • Microsoft .NET 3.5, SP1 must be installed. • Must have networking installed including the **TCP/IP** protocol. • This software should only be installed on **Windows ® XP Professional 64 bit, Windows ® 7 Professional 64 bit, Windows ® 7 Enterprise 64 bit, Windows ® 7 Ultimate 64 bit, Windows ® Server2003 Standard 64 bit, Windows ® Server2003 Enterprise 64 bit, Windows ® Server 2008 R2 Standard 64 bit,** or **Windows ® Server 2008 R2 Enterprise 64 bit** operating systems. • If using Discovery on OpenWorks, **OpenWorks for Windows 5000.0.1.6** must be installed. OpenWorks for Windows has two install options; you can use either the Full install option (recommended) or the Basic install option. • If working in a network environment, do not forget that for all computers to continue to work together in shared projects, ALL computers (clients and servers alike) must be updated to the same version of Discovery if any of them are updated. It is intentional that computers with different versions of the Discovery software can not (in normal circumstances) and should not (in any case) be connected with each other.

The Welcome Guide document included with the download from LSM or on your DVD contains information on exciting new enhancements and features in the Discovery 2012.0.0 release.

This document includes very important information that you should read before installation:

- **Before You Begin Installation**

- **System Requirements**

- **Installation Overview and Step-by-Step Instructions**

- **Utilities**

- **Uninstalling Discovery Software**

If you have any questions or issues with installation, don't hesitate to contact Technical Support.

 You can print this installation guide:

- *From the Contents page to the left, select the desired book-* *or topic-* *.*

- *Click the Print button on the toolbar.*

- *When the Print Topics dialog box appears, select one of the two options.*

- *Click OK when the Print dialog appears.*

Before You Begin Installation

Before you start the installation process, GeoGraphix recommends that you follow these guidelines.

1.   If you are working in a network environment, install the LAM license server on one computer to be used by all client computers. The LAM license server setup is available from LSM.

2.   Discovery 2012.0.0 does not require a new license file and is compatible with license version 5000.0.2.

3.   Make sure you have the current install obtained from LSM or on the DVD and the most recent software update files (if applicable) at the time of install.

4.   Make complete backups or archives of all your projects. This is a very important step, **DO NOT SKIP THIS STEP**. Remember, a backup (such as from a tape) is only as good as the last time it was tested.

5.   Backup any customized files from the **Data** directory such as custom libraries, symbols, and coordinate system files. Do this only if there is ANY chance of going back to the previous version.

6.   Test any project updates or functionality if desired in a non-production environment.

7.   Make sure that the prerequisites have been installed.

Note: If working in a network environment, do not forget that for all computers to continue to work together in shared projects, ALL computers (clients and servers alike) must be updated to the same version of Discovery if any of them are updated. It is intentional that computers with different versions of the GeoGraphix software can not (in normal circumstances) and should not (in any case) be connected with each other.

System Requirements

System Requirements

System requirements for all Discovery applications are provided as general guidelines. Hardware requirements will vary considerably depending on types of projects, project sizes, number of users, and network infrastructure/traffic. Contact your technical sales representative or technical support to discuss your requirements.

- Workstation: Discovery
    - Geologic Suite (DataManager, GESXplorer, and PRIZM)
    - Geophysical Suite (SeisVision, pStaX, and SCAN)

Caution:	Landmark Connectivity or using Discovery 2012.0.0 with Discovery OpenWorks projects requires the 5000.0.2.7 version of OpenWorks for Windows.

- Project Server: Discovery
    - Geologic Suite (DataManager, GESXplorer, and PRIZM)
    - Geophysical Suite (SeisVision, pStaX, and SCAN)

Next: Installation

Return to: Introduction

System Requirements - Workstation: Discovery

Operating system requirements		
Supported Operating system	**RAM**	**CPU**
Windows® 7 Professional x64 Or Windows® 7 Enterprise x64 Or Windows® 7 Ultimate x64	2 GB Minimum 8 GB Recommended	Pentium 4 class or better Dual processors/cores
Windows® XP Professional 64 bit SP2	2 GB Minimum 4 GB Recommended	Pentium 4 x 64 class or better Dual processors/cores
Notes		
Note 1 – Current service pack versions are listed. We recommend using the latest Microsoft service packs and security patches. Note 2 – Actual available RAM on 32 bit platforms will generally be less than 4 GB due to OS limitations.		

Graphics Hardware Requirements

Application Support Level	Required Operating System	Required Graphics Hardware
All Discovery Applications including Discovery 3D	Supported Windows® 7	DirectX 10 (see note 2) or DirectX 11 capable hardware
Discovery Applications *except* for Discovery 3D	All Supported	All Supported
Notes		
Note 1 – Microsoft DirectX End-User Runtime (August 2009) is required to run Discovery 3D.		
Note 2 – Most DirectX 10 capable hardware can run Discovery 3D provided they support "Compute Shader 4.0." Windows Vista requires SP2 or later and the Platform Update for Windows Vista. Installing this update enables selected DirectX 11 technologies on Windows Vista. Both Windows Vista and Windows 7 systems may need to install the latest display drivers for the hardware.		

Additional Requirements and Recommendations

- Download install available through Landmark Software Manager (LSM). DVD-ROM required for media install.
- DCOM configured to allow remote access. Only necessary if sharing projects.
- Microsoft .NET Framwork 3.5, SP1 is required.

Optional Software Requirements	
For spreadsheet Import Utility in WellBase, SeisBase, and LeaseMap	Excel 2003 or 2007
For Selected Help Files	Adobe Reader
For Discovery on OpenWorks, GridXchange, SeisXchange	OpenWorks for Windows 5000.0.8.0 – Basic or Full (recommended) Install available on LSM. And SeisWorks 5000.0.2.0 (for seismic workflows) See notes below.
For Georeferenced raster images and CAD files in ArcObjects layers in GeoAtlas	ESRI ArcGIS Runtime Engine 9.3.1 (On Discovery DVD or downloaded from LSM - Discovery 3rd Party Installer)
For LogARC™ Version 3.2.1.00 access in smartSECTION	To use the LOGarc™ feature the LOGarc™ Version 3.2.1.00 software must be downloaded from IHS LogTech Canada, LTD and a valid account must be in place. You must have administrator rights to the computer you will load the software to.
For TracPlanner Xpress for Discovery	WellPlanning for Discovery 2012.0.0 (contained within the DecisionSpace 5000.0.3.0 software, which is available on LSM). Oracle Express Client or Oracle 10g Client 10.2.0.4 (32 bit)

__Note__: The OpenWorks Full install requires Hummingbird Exceed. The Oracle client installation in use with the OpenWorks Full installation requires that the "Administrator" option be selected. The "Administrator" option type includes the SQL Plus and the Oracle Database Utilities components, which are needed to run Discovery on OpenWorks, as part of the total OpenWorks package.

__Note__: Hummingbird Exceed is not required for the OpenWorks Basic install. If OpenWorks Basic installation is used, the Oracle client installation can use the "Administrator" option, which will include all of the needed components. Or, the Oracle client installation for the OpenWorks Basic

installation can use the "Custom" installation type. However, with this install type these utilities are needed:

- *Oracle Database Utilities 10.2.1.0*
- *SQL *Plus 10.2.1.0*
- *Oracle JDBC/THIN Interfaces 10.2.1.0*
- *Oracle Net 10.2.1.0*

After these Oracle components are installed, run the upgrade patch to Oracle 10g 10.2.0.4 (32 bit).

System Requirements: Discovery Server

Note:	A project server may have a workstation or server operating system.

Operating system requirements		
Supported Operating system	**RAM**	**CPU**
Windows® Server 2008 R2 Standard x64 or Windows® Server 2008 R2 Enterprise x64	4 GB Minimum 8 - 16 GB Recommended	Pentium 4x 64 class or better Multiple (2-4) processors/cores
Windows® Server 2003 Standard x64 or Windows® Server 2003 Enterprise x64	4 GB Minimum 8-16 GB Recommended	Pentium 4 x 64 class or better Multiple (2-4) processors/cores
Notes		
Note 1 – Memory recommendations beyond 4 GB are only beneficial when running a large (>2 GB) cache size for the database engine.		
Note 2 – Client applications (e.g. WellBase) are not supported on server OS versions.		
Note3 – We recommend using the latest Microsoft service packs and security patches.		

Additional Requirements and Recommendations

- Download install available through Landmark Software Manager (LSM). A DVD-ROM is required for media install.

- DCOM configured to allow remote access.

Server performance is subject to a large number of variables. It is impossible to give specific recommendations here, but these are some guiding principals to use. In general, multi-user performance of a GeoGraphix Project Server is best when the server is dedicated to GeoGraphix and not shared with other applications, especially database applications. In addition, consideration should be made for the number of GeoGraphix users and the size and number of concurrently accessed projects. At some point having multiple project servers becomes a better solution than having all users on one server. Generally, somewhere between 10 and 20 users is when a second server might be suggested.

Networking

Networking performance depends on the number of users trying to access a server simultaneously as well as the bandwidth requirements for those users. Recommendations for server bandwidth typically specify server connectivity at a higher bandwidth

than an individual user. For instance, users running at 100 Mbit should be accessing a server running on a 1 Gbit backbone. If users are at 1 Gbit, consider running multiple 1 Gbit connections on the server.

Database Cache

A large database cache is an important factor to consider when dealing with multiple users accessing large databases. A cache size of up to 1.8 GB is available using basic database startup settings. Larger cache sizes are available but these require special configuration.

Storage

A great deal of Discovery's access patterns on a server deal with file I/O. Database access, raster images and seismic data are examples of files that benefit substantially from a fast disk sub-system. Server environments also place a high importance on data integrity and reliability. At a minimum, consider using a RAID 5 (striped with parity) array. As the size of disks increase, you may also want to consider a hot swap drive and/or RAID 6 (striped with dual parity). Using a controller card with its own cache can also help improve performance.

Network Attached Storage (NAS), Storage Area Networks (SAN), and Other Non-Windows Storage Solutions

There are two typical methods used for accessing external storage devices from a project server; iSCSI and CIFS.

- iSCSI allocates a block of storage on the external device and makes it appear to be a physical disk on the project server. This has the advantage of a 100% compliant file system. However since the external device sees the allocation as one big file, it makes backup and restore of individual files using the external device's capabilities problematic. Standard backup and restore from the server still work.

- Using CIFS for external storage devices depends greatly on the vendor's implementation of the CIFS protocol used by the Windows platform. In general, a 100% compliant implementation of CIFS for a performant system is required. In particular, vendor's implementation of the "File Change/Notify" functionality has been problematic. Devices based on Windows Storage Server should be 100% compatible since it shares its components with Windows. Implementations based on UNIX/Linux are where problems occur due to the fact that the kernel level support is not there.

Prerequisites

Discovery 2012.0.0 has several prerequisites that are required to run the software as well as prerequisites that are used to enhance the software.

Microsoft .NET Framework 3.5, Service Pack 1

Discovery 2012.0.0 must have Microsoft's .NET 3.5, SP1 installed first otherwise this message box will appear and the setup will end:
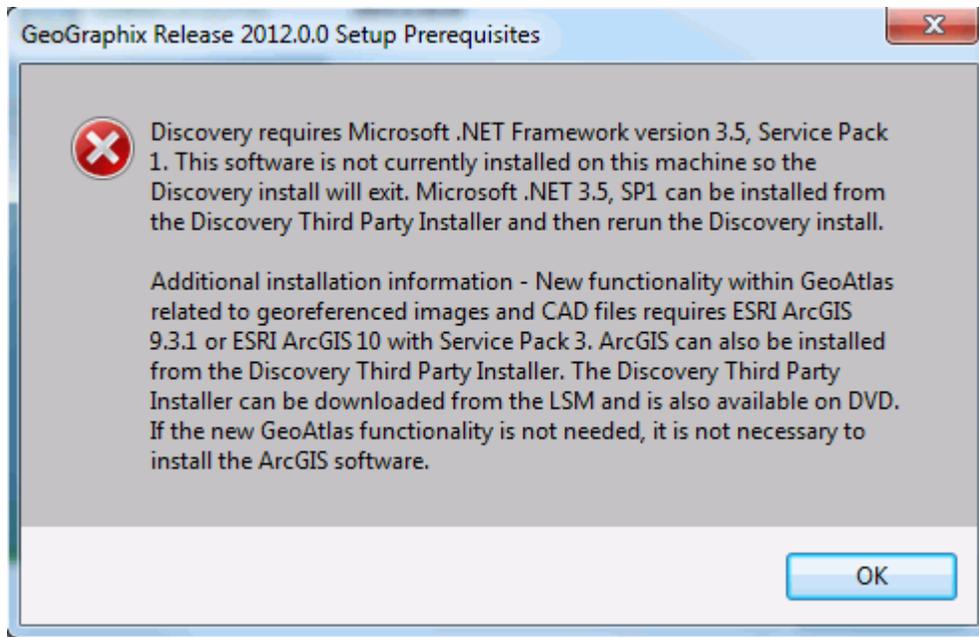
The Microsoft .NET 3.5, SP1 can be downloaded from Microsoft's website and then installed.

ESRI ArcGIS 9.3.1 Runtime Engine

New functionality within GeoAtlas related to georeferenced images and CAD files requires ESRI ArcGIS 9.3.1 Engine. ArcGIS can be installed by downloading the Discovery Third Party Installer from the LSM or ordering the media through the LSM. If the ArcGIS Engine is not installed this message box will appear but the setup will continue:
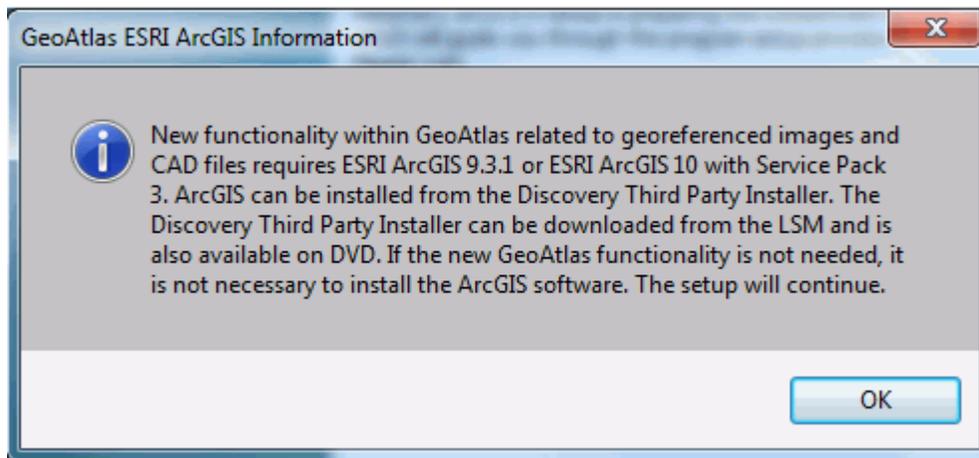
Microsoft DirectX 10 March End-User Runtimes

Discovery 3D requires Microsoft's DirectX 10 August 2009 End-User Runtimes to work properly. Discovery 3D only works on a Windows 7 64-bit operating system or higher. Discovery 3D is not installed unless the computer has Windows 7 64 or higher. Further Discovery 3D requires a DirectX 10 compatible display card however the install will still run if a DirectX 10 compatible card is not present in the computer. DirectX 10 August 2009 End-User Runtimes can be installed by downloading the Discovery Third Party Installer from the LSM or ordering the media through the LSM. If Discovery 3D is going to be installed but the DirectX 10 March End-User Runtimes are not installed then this message box will appear but the setup will continue:

Discovery 5000.0.2.0 - InstallShield Wizard

Discovery 3D requires DirectX 10 August 2009 End User Runtimes. For DirectX 10 August 2009 End User Runtime details, see the Setup Instructions help file. The setup will continue.

OK
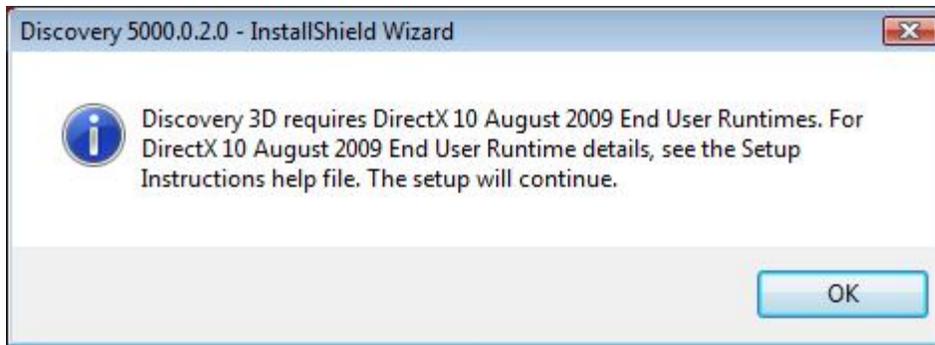
Installation

Installation

Discovery utilizes Microsoft Windows ® Installer technology for installing the Discovery applications. Windows ® Installer technology provides powerful features for installation and component configuration, network installations (distribution\deployment) and software removal\uninstall.

Note:	Have you read System Requirements?

This installation guide provides step-by-step instructions for End User or Network Administrator installations:

- **End User Installation**
  - Install Discovery Applications to a Single Workstation.

- **Network Administrator Installation**
  - Create LAM License Service Server for Multiple Workstations.
  - Install the Discovery Applications to Multiple Workstations.
  - Create a Discovery Project Server (optional).

Discovery 2012.0.0 Download from the Landmark Software Manager

Download Instructions

Follow the instructions below to download Discovery 2012.0.0 to your system using the Landmark Software Manager (LSM).

1. Within the **Available Downloads** Page on the **Releases** tab of the LSM highlight the **Release Type** *Discovery* 2012.0.0 and the *Discovery 2012.0.0. DVD Utilities*.

   Note: If you do not need any of the Discovery Utilities or Extras then it is not necessary to download the Discovery DVD Utilities.

2. Select the Down Arrow [image] to move the items down to the **My Download Cart** page on the **Download Cart** tab.

3. Highlight the download(s) and then select the **Download Now** [image] button.

4. Click **OK** at the **Preferences** dialog box. Note that the default download for the file(s) will be **C:\Landmark\LSM\Landmark**.

5. Click on the **AGREE** button for the **LANDMARK GRAPHICS CORPORATION LICENSE AGREEMENT**.

6. Once the file(s) have been downloaded click on the **Close** button to close the **Download Discovery** progress bar. (Ignore the **Opening Folder** button.)

To install the Discovery 2012.0.0 software go to the **C:\Landmark\LSM\Landmark\GGX\Discovery** folder and double click on the **Discovery**2012.0.0**Setup.exe** file to start the setup. (The install will first need to extract the setup files to the local drive.)

See the **GeoGraphix Discovery 2012.0.0 Read Me for DVD Utilities** to install the Utilities. Click on the **Install Guide** button [image] on LSM to open the **GeoGraphix Discovery 2012.0.0 Read Me for DVD Utilities** file.

End User Installation

End User Installation

This installation will add the Discovery Applications to a Single Workstation.

| **Caution:**

General Installation Requirements

- please refer to the System Requirements for a complete list | The following conditions must be met before you can install the Discovery 2012.0.0 software:

• You must have **Administrative Rights** to the local computer that will run the install.

• Must have **Internet Explorer 6.0** or higher installed.

• Microsoft .NET 3.5, SP1 must be installed.

• Must have networking installed including the **TCP/IP** protocol.

• This software should only be installed on **Windows ® XP Professional 64 bit, Windows ® Vista 64 bit, Windows ® Server 2003 Standard 64 bit, Windows ® Server 2003 Enterprise 64 bit, Windows® 7** or **Windows ® Server 2008** operating systems. |

There are 8 or 10 installation steps depending upon whether you perform a typical or custom install:

- STEP 1 - Getting Started with Discovery 5000.0.2.0 Release

- STEP 2 - InstallShield Wizard Startup

- STEP 3 - License Agreement

- STEP 4 - Customer Information

- STEP 5 - Setup Type (Typical vs. Custom)

- Typical STEP 6 - Select Log Units of Measurement

- Typical STEP 7 - Ready to Install the Program

- Typical STEP 8 - InstallShield Wizard Completed

- Custom STEP 6 - Custom Setup

- Custom STEP 7 - Local Projects Folder

- Custom STEP 8 - Log Units of Measurement

- Custom STEP 9 - Ready to Install the Program

- Typical STEP 10 - InstallShield Wizard Completed

| **Note:** | Landmark licenses are now installed after the above Discovery master installation steps.
When Discovery applications are started through the Desktop shortcuts or Start Menu Programs, a licensing check is performed on the workstation.
Please refer to the Product Licensing topic for further details. |

Go to STEP 1: Getting Started with Discovery 5000.0.2.0 LSM download or Release DVD

End User Installation STEP 1- Getting Started with Landmark LSM Download or Release DVD

Before starting installation, make sure that all open applications are closed.

If you have downloaded Discovery 2012.0.0 from LSM, go to the **C:\Landmark\LSM\Landmark\GGX\Discovery2012Win** folder and double click on the **Discovery2012.0.0Setup.exe** file to begin. You will proceed directly to STEP 2 - InstallShield Wizard Setup.

If you have ordered the **Discovery 2012.0.0 DVD**, continue through this step.

Insert the **Discovery/Landmark Connectivity/Seismic Modeling DVD-ROM** into the DVD-Drive.

The GeoGraphix splash screen appears for a few seconds ....

Note:	If the GeoGraphix splash screen does not appear automatically, go to the Start menu, and choose Run. In the Run dialog box, browse to the appropriate DVD-drive and select the Install.exe file. Click OK.

then the GeoGraphix install window appears .....

Click the first option, to proceed to the next step in End User Installation.

Go to STEP 2: InstallShield Wizard Startup

Return to Beginning: End User Installation

End User Installation STEP 2 - InstallShield Wizard Startup

After clicking Install Discovery, Landmark Connectivity, and Modeling in the previous step, the InstallShield wizard is started....
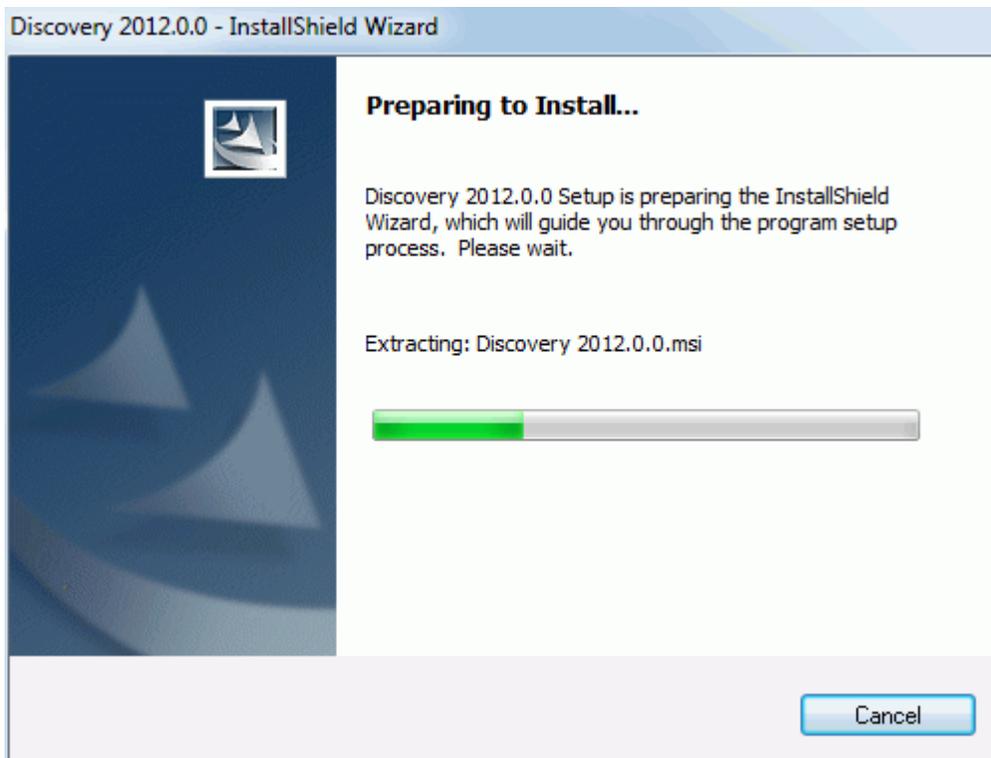
Note:	Microsoft Visual C++ 2005 Redistributable -x86 8.050727.4053 and Microsoft Visual C++ 2008 Redistributable - x86 9.0.30729.4148 must be installed to use Discovery.
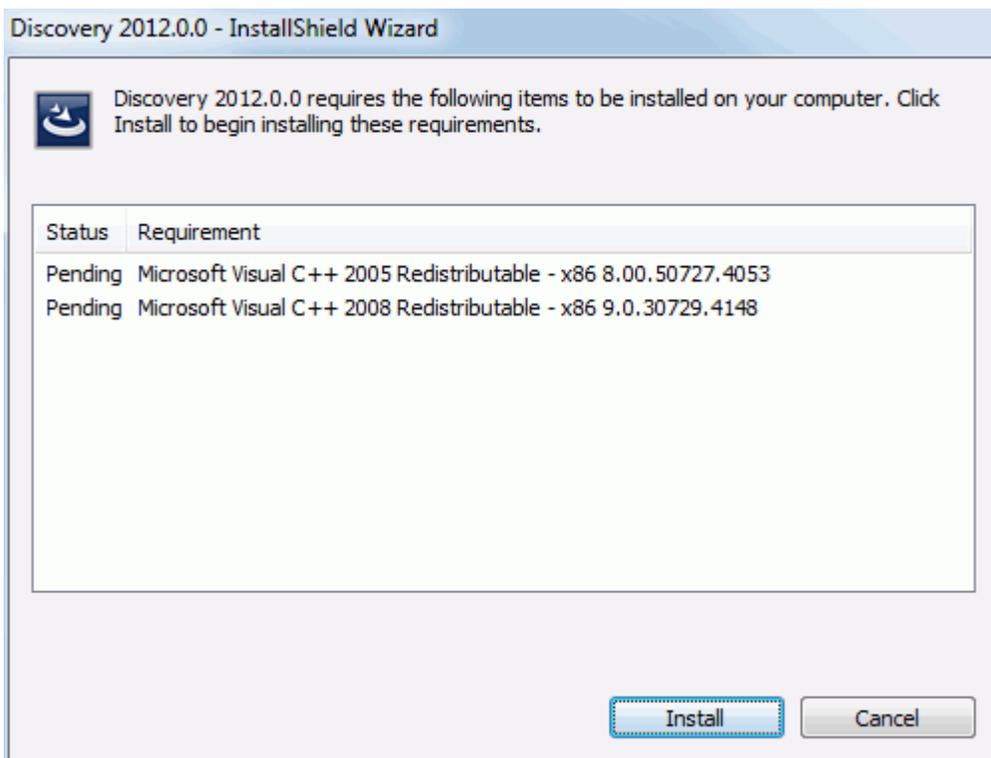
Click the **Install** button to install the Microsoft Visual C++ Redistributables. The 2005 Redistributable (8.00.50727.4053) must be installed to use Discovery 2012.0.0. If the Redistributable has already been installed or will be installed later **No** can be selected and the setup will continue. Click **Yes** to install the 2005 Redistributable.
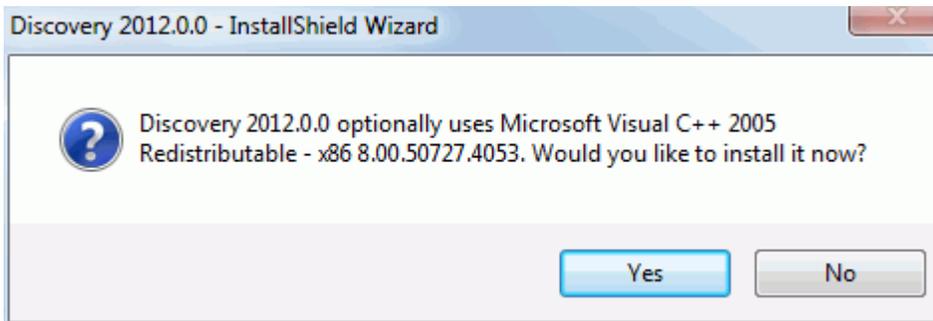
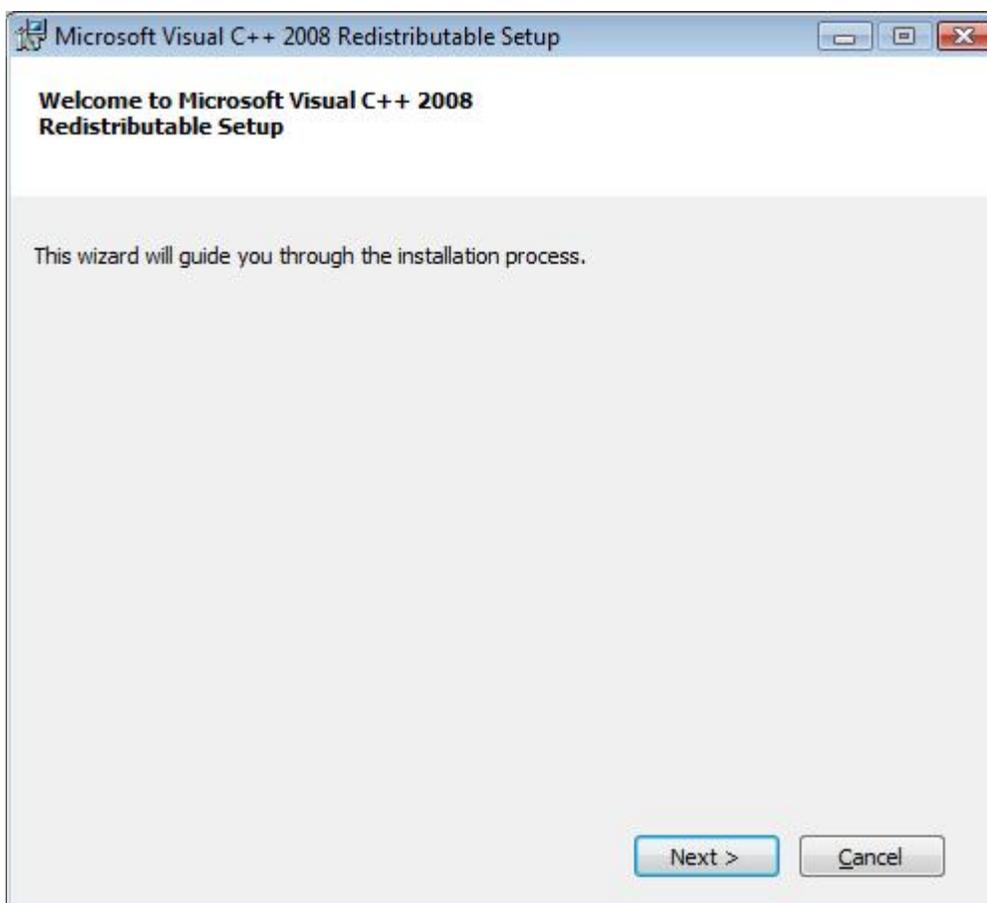Click **Yes** to accept the Microsoft Visual C++ 2005 SP1 Redistributable Package License
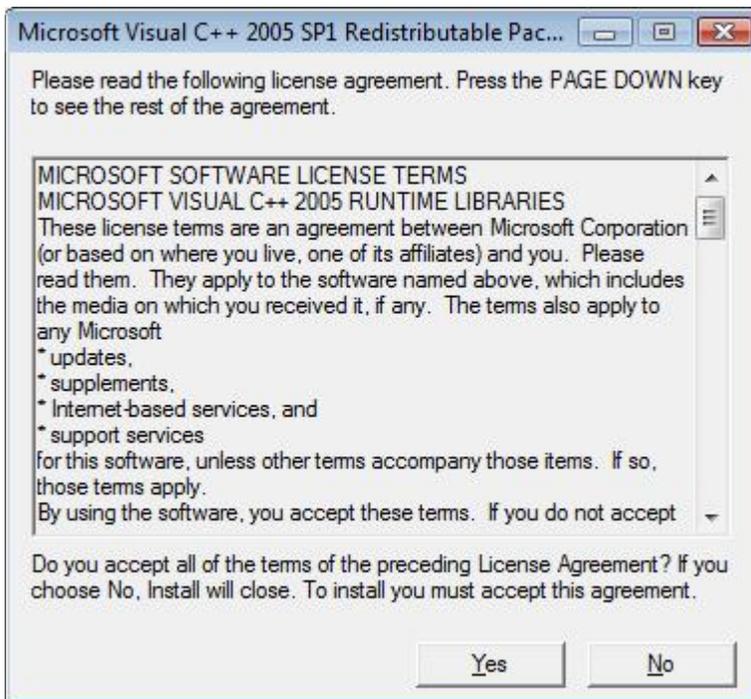
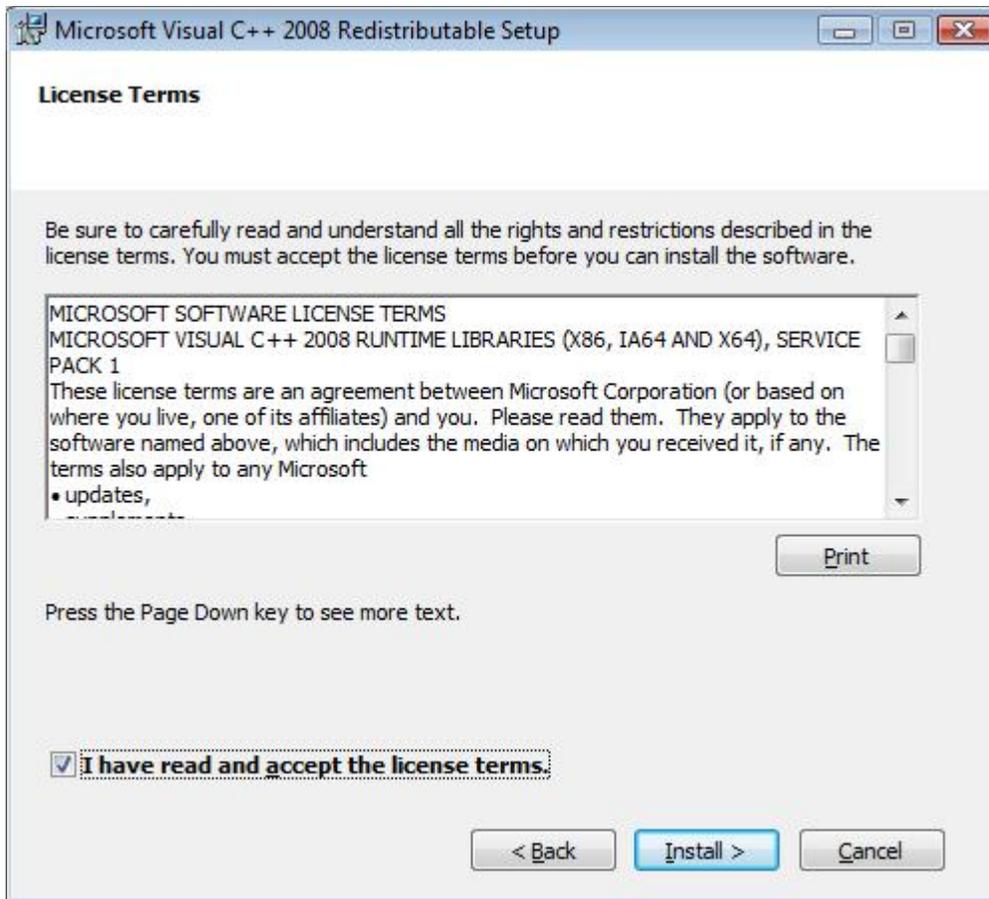The 2005 Redistributable will now install and finish.
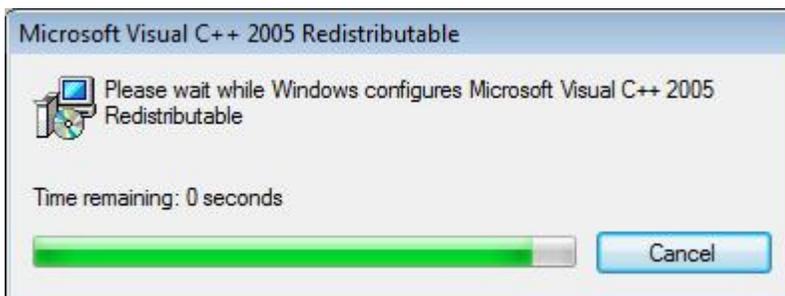
The 2008 Redistributable (9.0.30729.4148) must be installed to use Discovery 2012.0.0. If the Redistributable has already been installed or will be installed later **No** can be selected and the setup will continue. Click **Yes** to install the 2008 Redistributable.
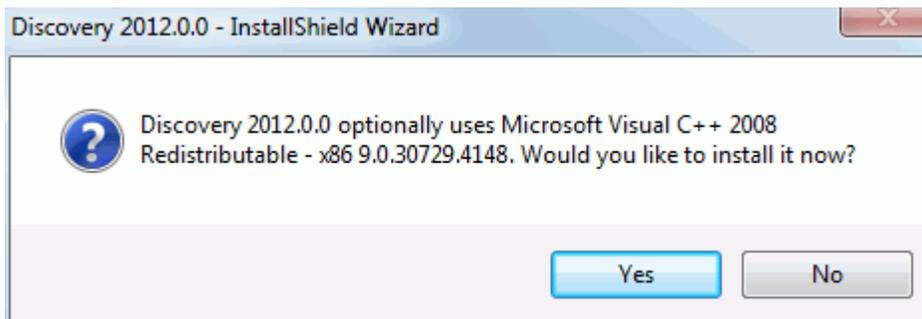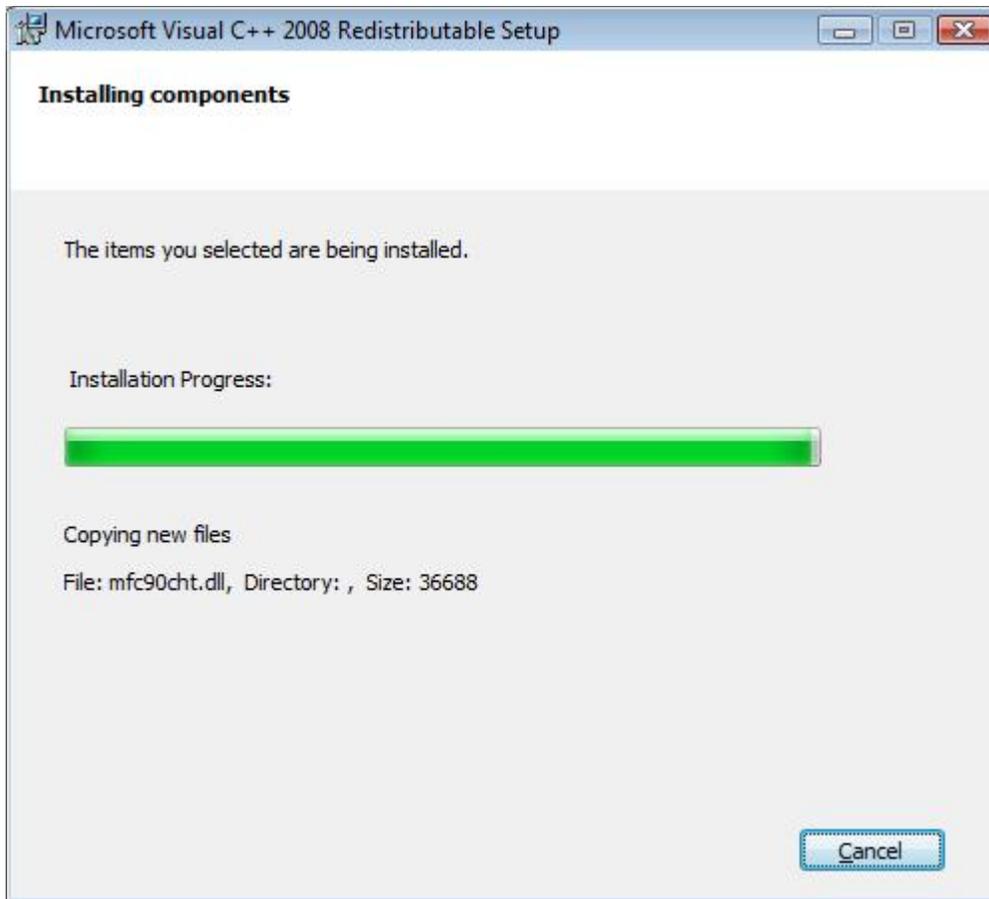

Click **Next** at the Welcome to Microsoft Visual C++ 2008 Redistributable Setup.
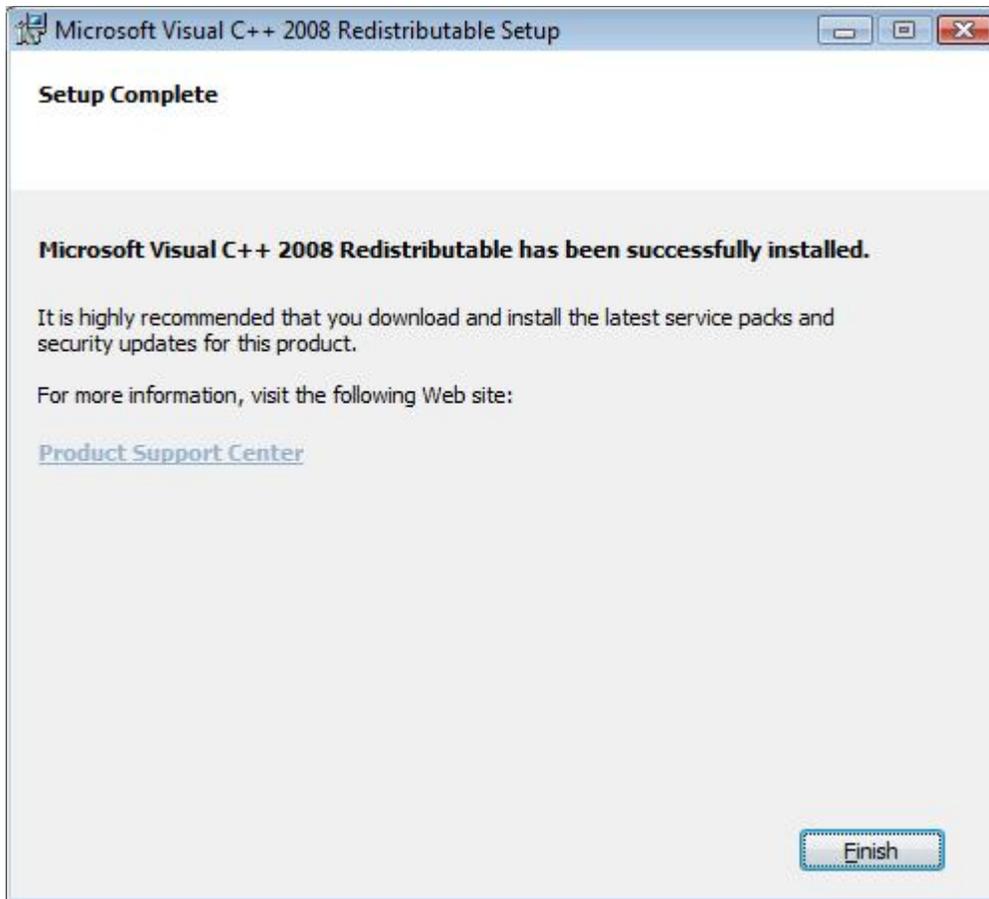

Select the **I have read and accept the license terms.** check box and then click the **Install** button.

The 2008 Redistributable will now install components.

Click **Finish** to close the Microsoft Visual C++ 2008 Redistributable Setup. The Discovery setup will now continue.

The Welcome to the InstallShield Wizard for Discovery 2012.0.0 appears on your screen.

Click the **Next** button to proceed to License Agreement step of wizard.

Note:	Clicking the Help button will open the Discovery Installation Guide help window (this documentation).

Go to STEP 3: License Agreement

Return to STEP 1: Getting Started with GeoGraphix Release DVD

Return to Beginning: End User Installation

End User Installation STEP 3 - License Agreement

The software license agreement is displayed in this step of wizard.

Select the "**I accept the terms in the license agreement**" option.

Click **Next** to proceed to the Customer Information step of the wizard.

Go to STEP 4: Customer Information

Return to STEP 2: InstallShield Wizard Startup

Return to Beginning: End User Installation

End User Installation STEP 4 - Customer Information

Customer Information appears in this step of the wizard.

Enter your **User Name** and **Company Name**.

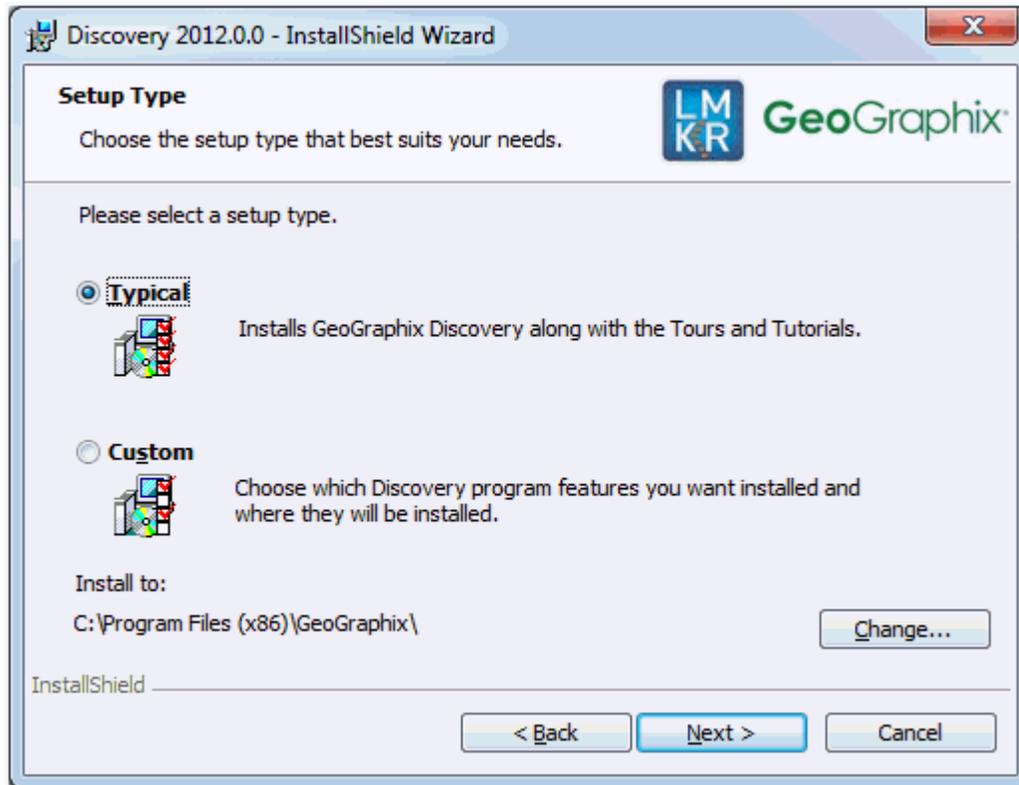Click **Next** to proceed to the **Setup Type** step of the wizard.

Go to STEP 5: Setup Type

Return to STEP 3: License Agreement

Return to Beginning: End User Installation

End User Installation STEP 5 - Setup Type (Typical vs. Custom)

The type of setup (Typical vs. Custom) and application destination folder is selected in this step of the wizard.

| Typical option: | Choosing this option will install Discovery (Discovery, PRIZM, SeisVision and smartSECTION), and Modeling (LogM, STRUCT) to the application destination folder (Install To:).

Note: You must use the Custom option if you will run TracPlanner Xpress and you do not have OpenWorks for Windows installed on your computer. If you have OpenWorks for Windows installed, you can use the Typical install option.

Note: A local projects folder will be installed by default to: C:\Documents and Settings\All Users\Application Data\GeoGraphix\Projects (for Windows ® XP), or C:\ProgramData\Geographix\Projects (for Windows® 7) unless a previous local projects folder is detected by the install, then local projects folder will be installed to the previous detected path/folder. |
|---|---|
| Custom option: | Choosing this option then clicking Next will open a Custom Setup dialog box to choose features to be installed. |
| Install to: | This is the path/folder that will be used to install applications to on the computer.

Note: If Discovery software has been installed on this computer before, then the "Install to:" will reflect the path/folder of the previous installed to, if not the default path is C:\Program Files (x86)\GeoGraphix.

The **Change** command button can be used to change path/folder destination of application. |
| Change command button: | Clicking this command button will open a standard windows **Browse/Open** dialog box to change application destination folder.

Note: Path/folder must be a local hard drive. |

If **Typical** option is selected, click **Next** to proceed to the **Select Log Units of Measurement** step of wizard.

If **Custom** option is selected, click **Next** to proceed to the **Custom Setup** step of wizard.

Typical

End User Installation Typical STEP 6 - Select Log Units of Measurement

This step of wizard determines what default log units will be setup for PRIZM and XSection.
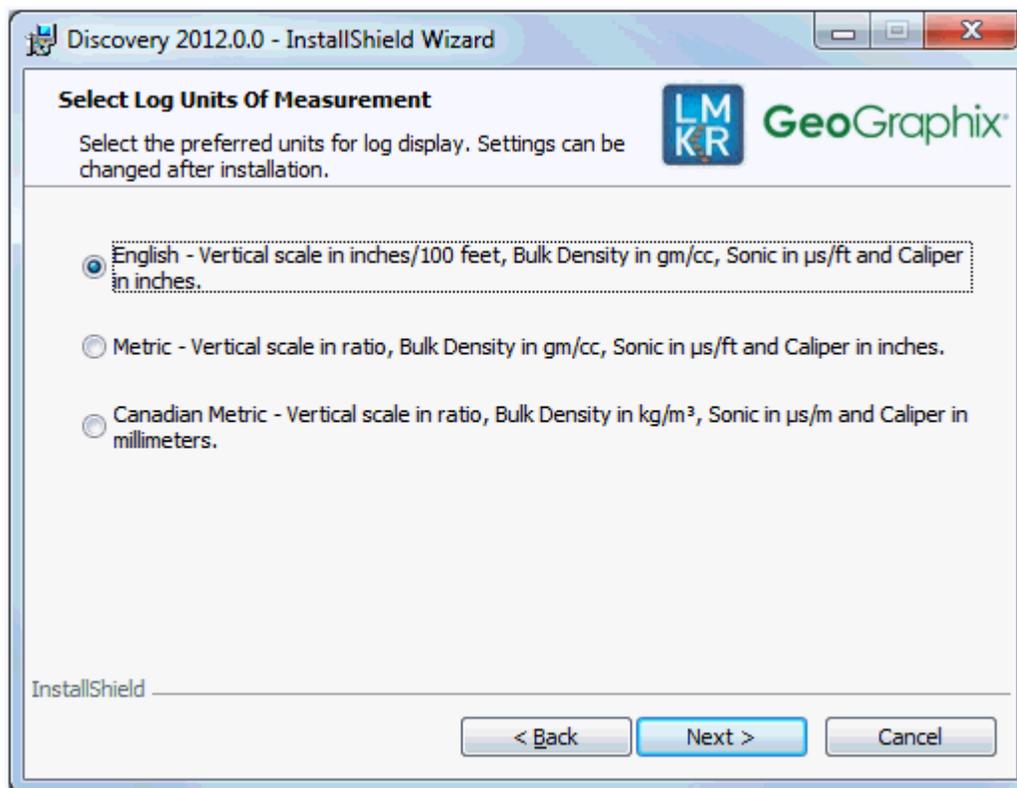
Note:	The units can be changed in PRIZM and XSection after installation.

Click **Next** to proceed to the **Ready to Install the Program** step of the wizard.

End User Installation Typical STEP 7 - Ready to Install the Program

This is the second to last step of the wizard.

Click **Install** to copy files and begin installing the software or click **Back** to review
 and make any changes as necessary.

Go to Typical STEP 8: InstallShield Wizard Completed

Return to Typical STEP 6: Select Log Units of Measurement

Return to Beginning: End User Installation

End User Installation Typical STEP 8 - InstallShield Wizard Completed (FINAL STEP)

After the Install is clicked in Ready to Install the Program step, files are installed to the workstation....
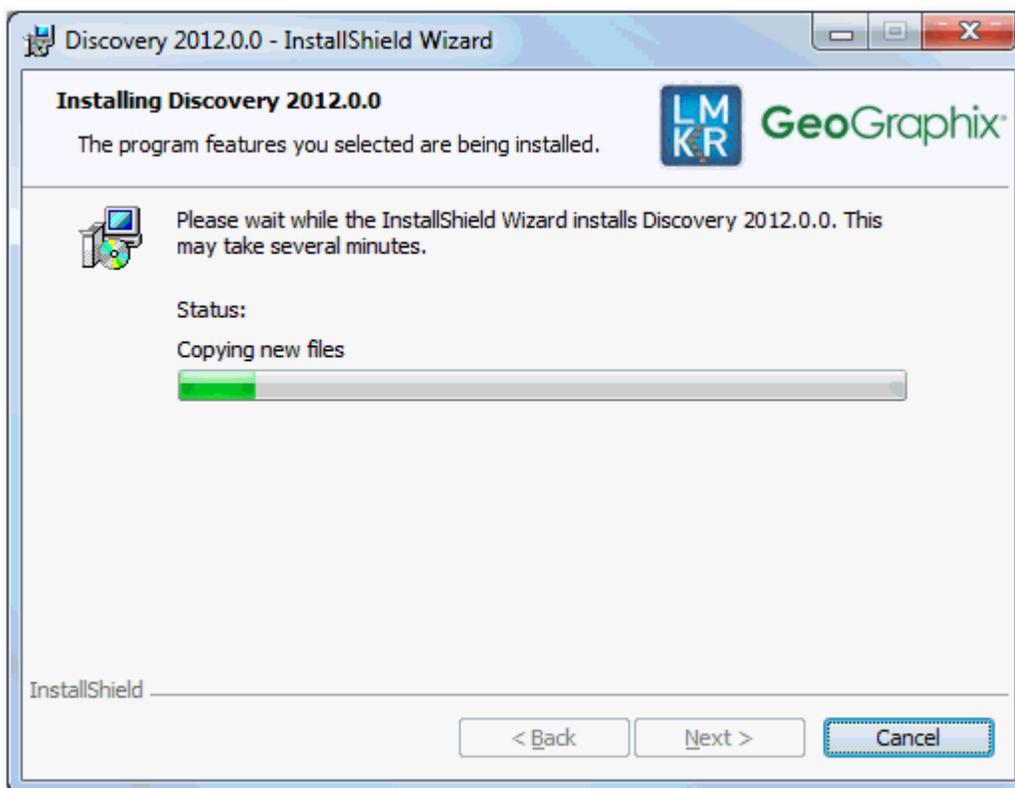
and when the installation is finished, the InstallShield Wizard Completed dialog box appears:

Click **Finish** to complete the install. The Discovery software can now be started through Desktop shortcuts or Start Menu Programs.

| Note: | Landmark licenses are now installed after the Discovery master installation steps.

When the Discovery applications are started through Desktop shortcuts or Start Menu Programs, a licensing check is performed on the workstation.

Please refer to the Product Licensing topic for further details. |
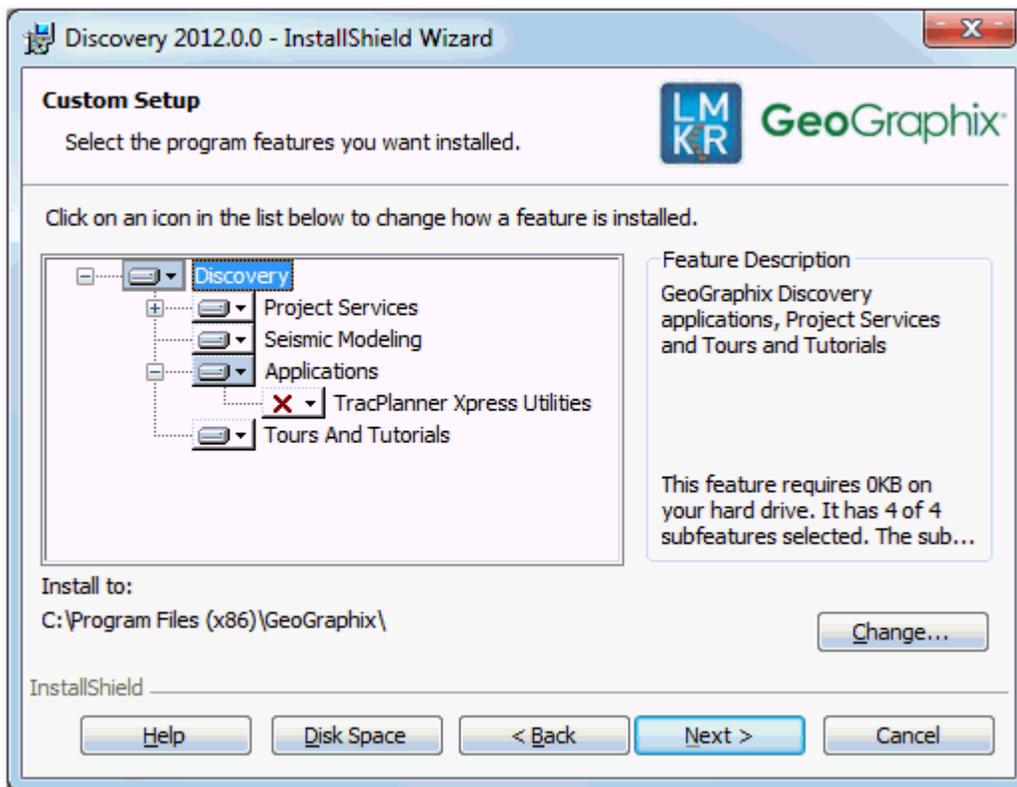| --- | --- |

Return to Typical STEP 7: Ready to Install the Program

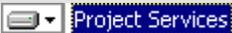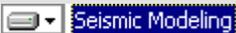Return to Beginning: End User Installation

Custom

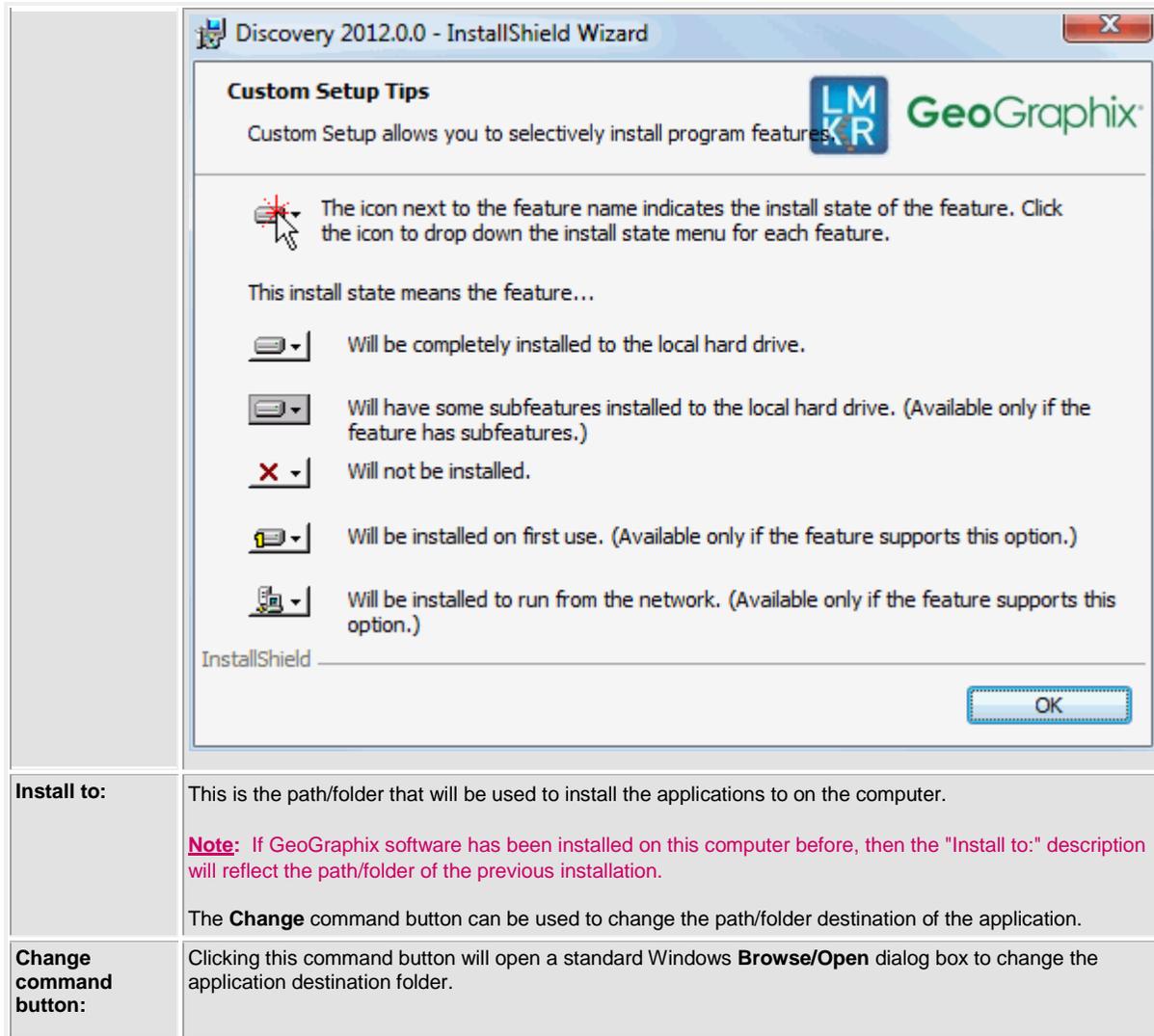## End User Installation Custom STEP 6 - Custom Setup

This step of the wizard can be used to select certain features to be installed and change the application destination directory.

List Box and Feature	When a feature is selected in the list box, a description of the feature will appear at right in the Feature Description box.

Description:		
	Discovery	**Feature Description** GeoGraphix Discovery applications, Project Services and Tours and Tutorials This feature requires 0KB on your hard drive. It has 5 of 5 subfeatures selected. The sub...
	Project Services	**Feature Description** ProjectExplorer and Services that must be installed for Discovery project management. Installing Project Services only can be used to create a network project server. This feature requires 12MB on your hard drive. It has 1 of 1 subfeatures selected. The sub... Project Services feature cannot be disabled. Selecting Project Services feature by itself can be used to setup a network project server.
	Project Services System Event Logging	**Feature Description** Writes information to the Windows event logs. This feature requires 42KB on your hard drive.
	Seismic Modeling	**Feature Description** Seismic Modeling: LogM and Struct This feature requires 90MB on your hard drive.

	Applications	**Feature Description** GeoGraphix Discovery including GESXplorer, Prizm and SeisVision This feature requires 512bytes on your hard drive. It has 0 of 1 subfeatures selected. The sub…
	Applications ✗ ▾ TracPlanner Xpress Utilities **Note**: The TracPlanner Xpress Utility is not selected by default. To install the TracPlanner Xpresss Utility, click the down arrow and select an install option from the drop-down list. Installation of this utility is not necessary if OpenWorks for Windows is installed.	**Feature Description** Utilities needed for Discovery and TracPlanner such as pdbin.exe, services.dat, etc. This feature requires 0KB on your hard drive.
	Tours And Tutorials	**Feature Description** Discovery Tours and Tutorials This feature requires 58MB on your hard drive. Discovery Tours and Tutorials include creating a "SampleFiles" directory and installing zip projects for 3 possible project areas (Moosehead, Powder and Stratton).

Clicking the down arrow ⬛▾ icon will list options to install or not install the feature:

🖫	This feature will be installed on local hard drive.
🖫	This feature, and all subfeatures, will be installed on local hard drive.
✗	This feature will not be installed.

Clicking the **Help** button on this Custom Setup dialog will bring up the Custom Setup Tips dialog.

Install to:	This is the path/folder that will be used to install the applications to on the computer. **Note:** If GeoGraphix software has been installed on this computer before, then the "Install to:" description will reflect the path/folder of the previous installation. The **Change** command button can be used to change the path/folder destination of the application.
Change command button:	Clicking this command button will open a standard Windows **Browse/Open** dialog box to change the application destination folder.

Select features to be installed and click **Next** to proceed to the Local Projects Folder step of the wizard.

Go to Custom STEP 7: Local Projects Folder

Return to STEP 5: Setup Type

Return to Beginning: End User Installation

End User Installation Custom STEP 7 - Local Projects Folder

This step of the wizard determines where the local projects folder (path/folder) will be created during the installation.

Clicking the **Change** command button will open a standard Windows Browse/Open dialog box to change the application destination folder.

Note:	Local Projects Path/Folder must be a local hard drive.

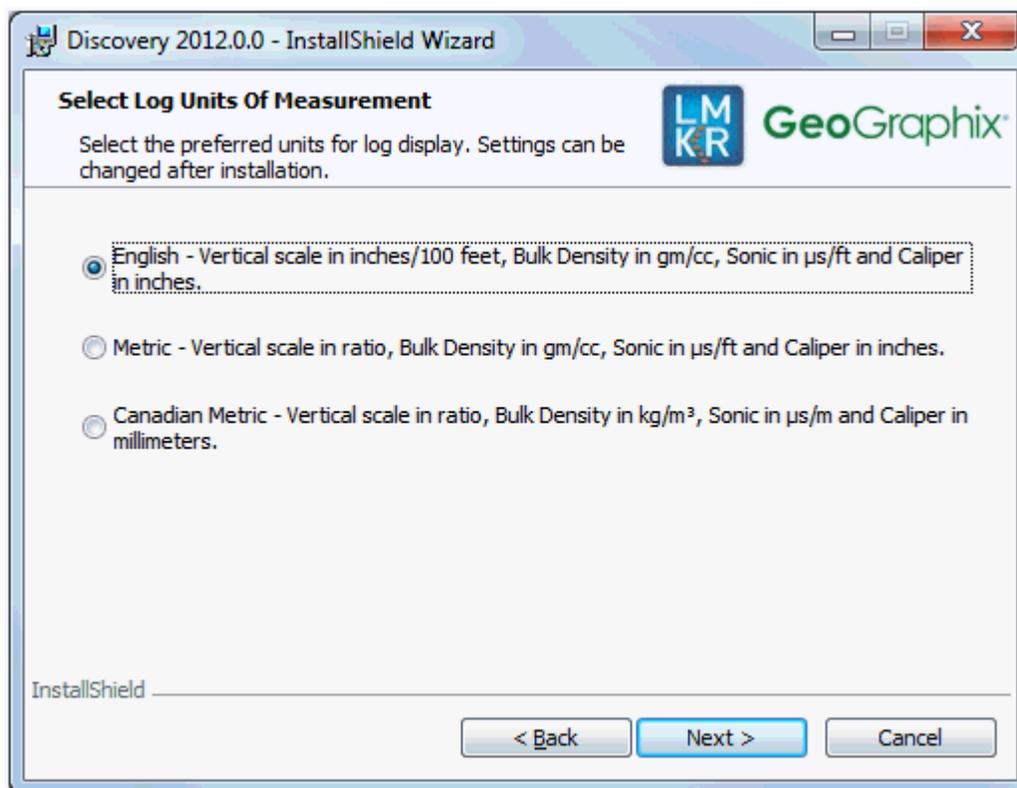Click **Next** to proceed the Log Units of Measurement step of the wizard.

Go to Custom STEP 8: Log Units of Measurement

Return to Custom STEP 6: Custom Setup

Return to Beginning: End User Installation

End User Installation Custom STEP 8 - Log Units of Measurement

This step of the wizard determines what default log units will be setup for PRIZM and XSection.

Note:	The units can be changed in PRIZM and XSection after installation.

Select the appropriate **Units** option and click **Next** to proceed to the Ready to Install the Program step of the wizard.
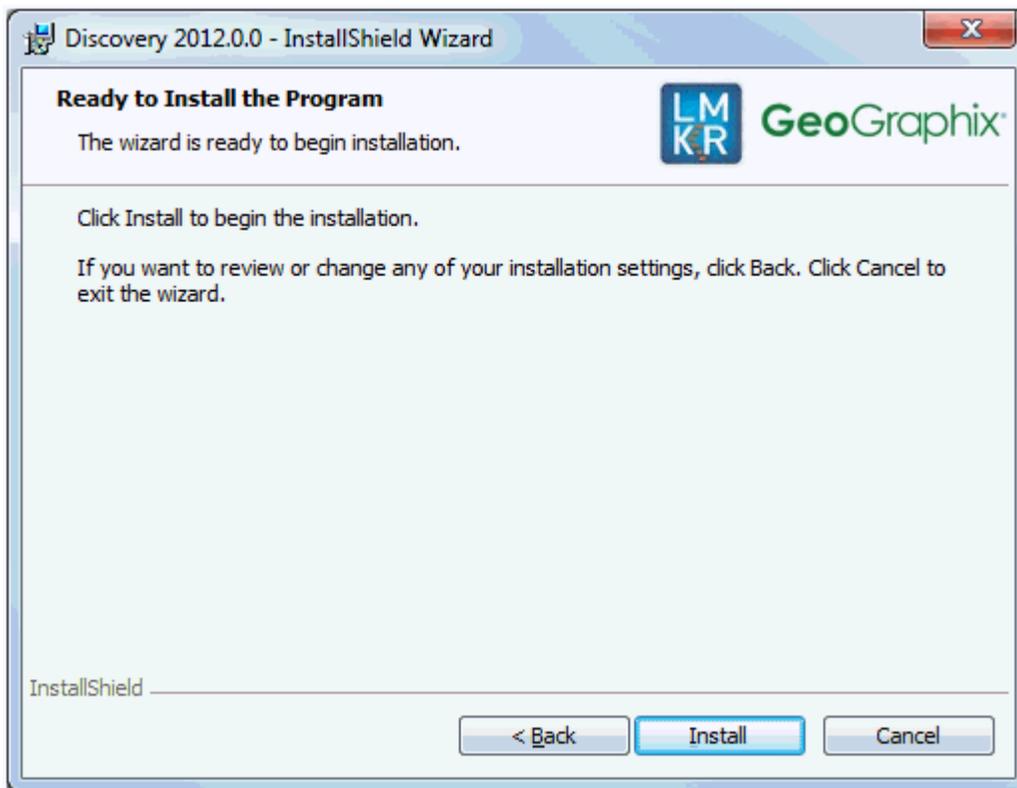
Go to Custom STEP 9: Ready to Install the Program

Return to Custom STEP 7: Local Projects Folder

Return to Beginning: End User Installation

End User Installation Custom STEP 9 - Ready to Install the Program

This is the second to last step of the wizard.

Click **Install** to copy files and begin installing the software or click **Back** to review

and make any changes as necessary.

Go to Custom STEP 10: InstallShield Wizard Completed

Return to Custom STEP 8: Log Units of Measurement

Return to Beginning: End User Installation

End User Installation Custom STEP 10 - InstallShield Wizard Completed (FINAL STEP)

After the Install is clicked in Ready to Install the Program step, files are installed to the workstation....
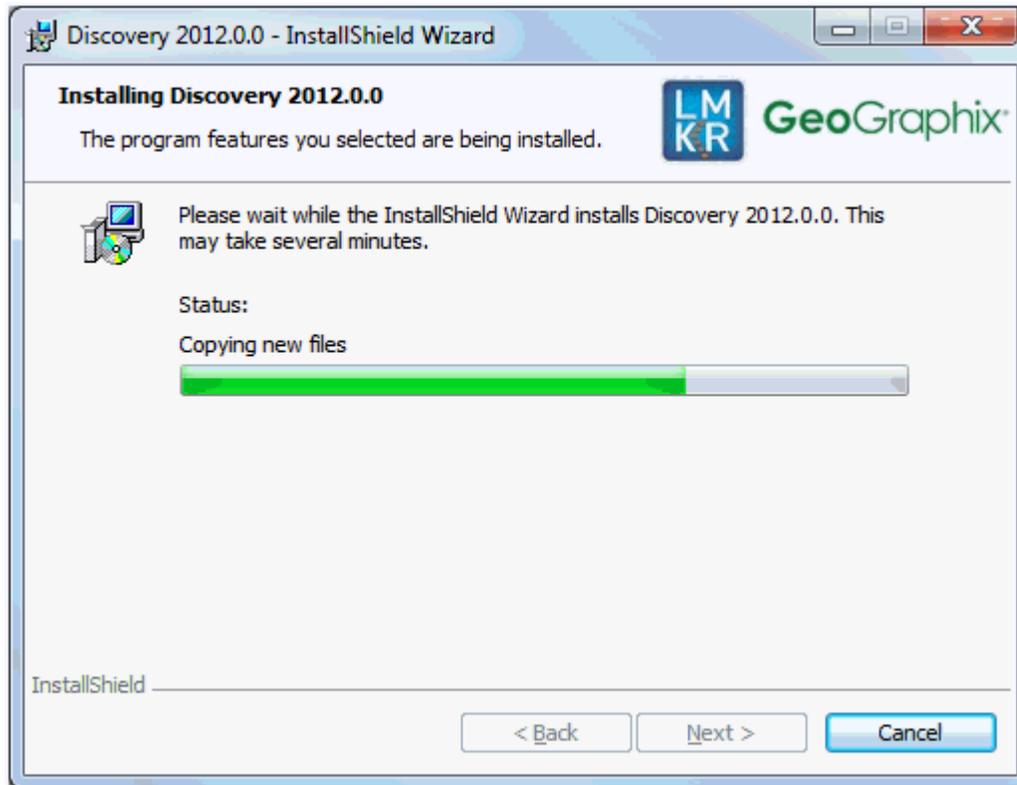
and when installation is finished, the InstallShield Wizard Completed dialog box appears:

Click **Finish** to exit the install.

The Discovery software can now be started through Desktop shortcuts or Start Menu Programs.

Note:	Landmark licenses are now installed after the Discovery master installation steps. When the Discovery applications are started through Desktop shortcuts or Start Menu Programs, a licensing check is performed on the workstation. Please refer to the Product Licensing topic for further details.

Product Licensing

When you launch Discovery 2012.0.0 for the first time after installation, the License Wizard will appear, giving you the choice to request a product license, browse to a license file, or connect to a network license server.

If you are working in a standalone situation, all you need to do is obtain a new license file, place it anywhere on your computer, and use the install license option in the License Wizard to browse to the file location.

If you are working in a network situation, you will first need to set up a new Landmark (LAM) License Server (the LAM License Server Setup is on the LSM). After the server is set up, when the License Wizard runs on the client machine, choose the Connect to a Network License Server option and input the required information.

License Wizard

After the software is installed and a Discovery application is started through Desktop shortcuts or Start Menu Programs, a licensing check is performed on the workstation.
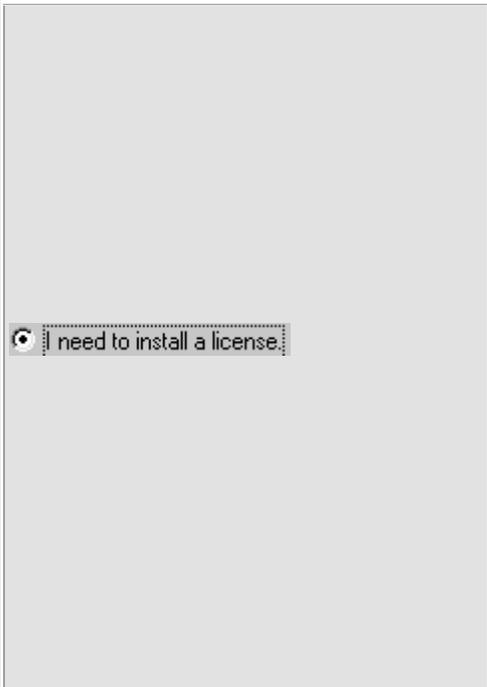
If no Landmark licenses are detected then the GeoGraphix Product Licensing dialog box appears:
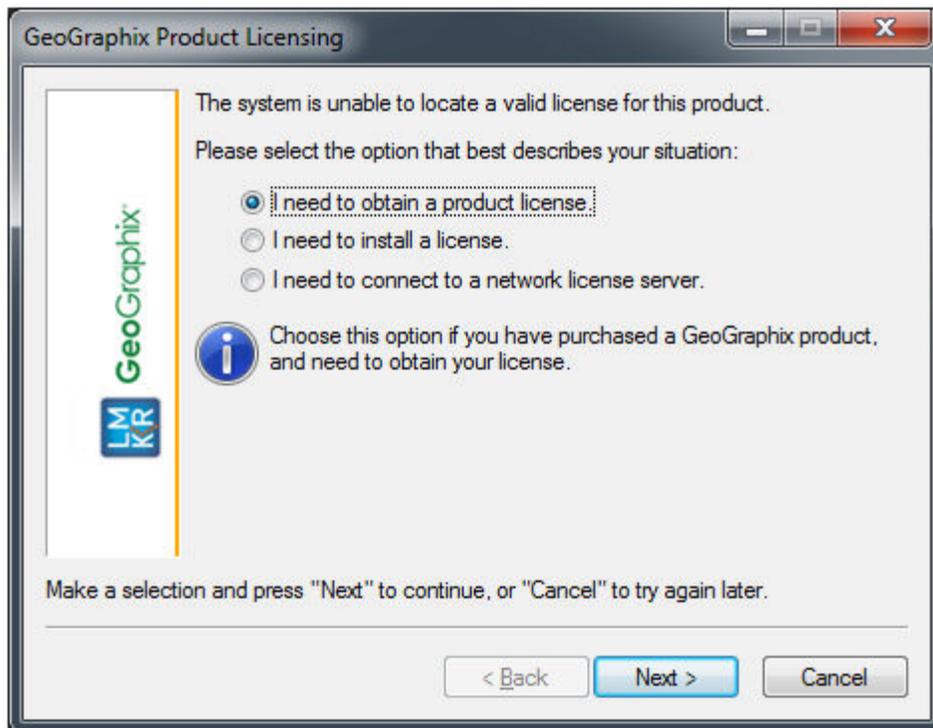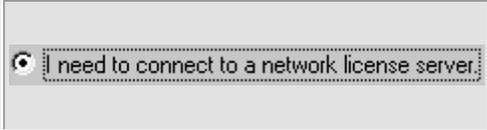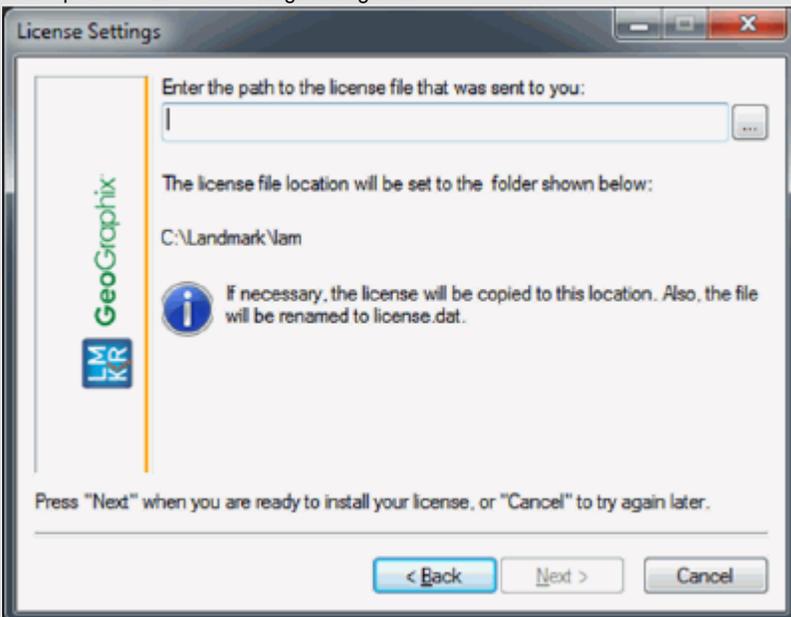

One of three options are available for GeoGraphix Product Licensing:

|	
⊙ I need to obtain a product license.	This option will direct you to the Landmark License Management Internet site or telephone numbers to request a product license. Clicking Next opens the Request Product License dialog box:
⊙ I need to install a license.	This option will allow you to install a license file received from Landmark Licensing. Clicking Next opens the License Settings dialog box:
⊙ I need to connect to a network license server.	This option will allow you to connect to a network License server. Type in the network server hosting the License Server or click the Browse button to browse the network server. Click Next on this dialog box to advance to the next step in the network license setup.
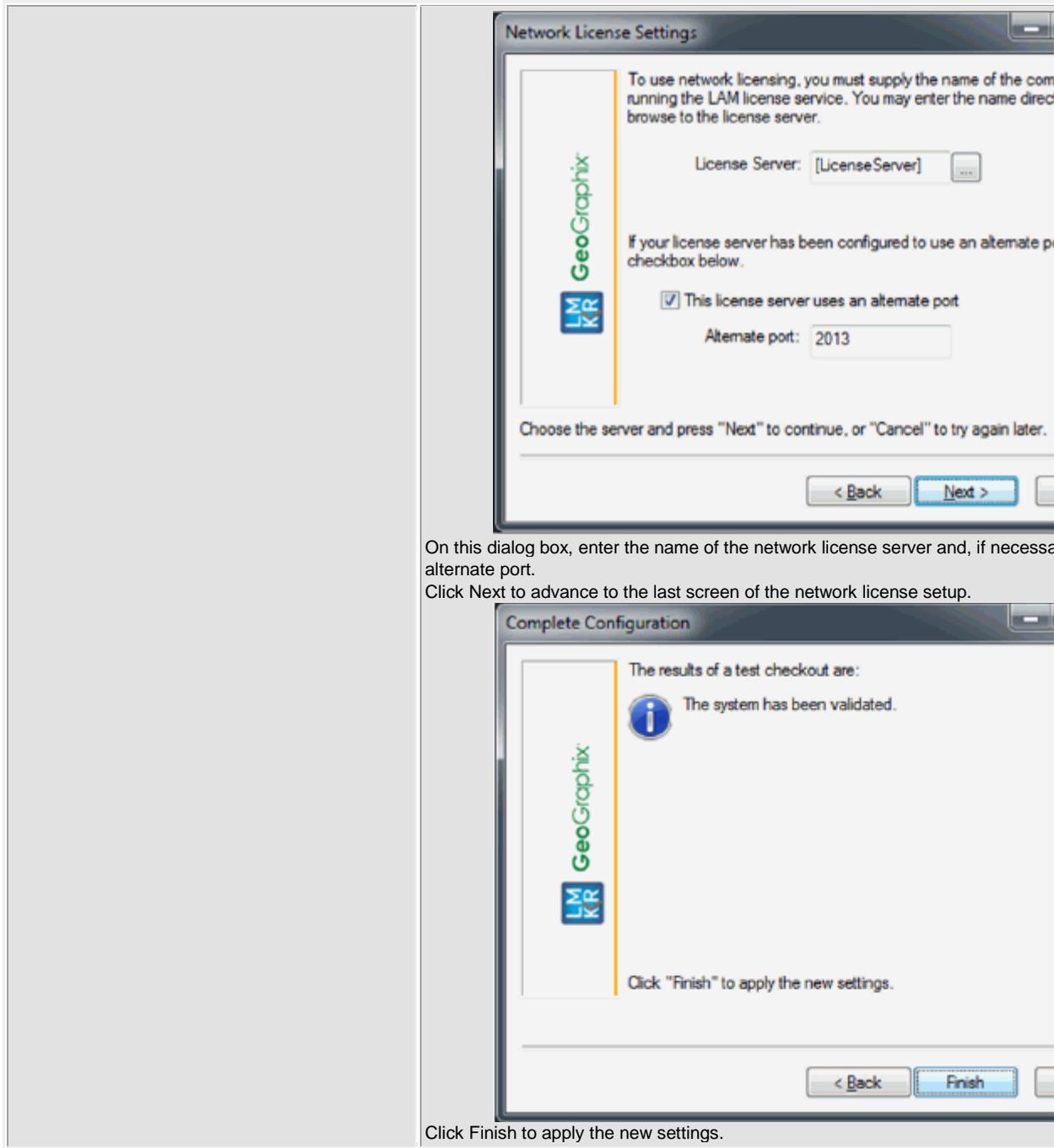
On this dialog box, enter the name of the network license server and, if necessa[ry]
alternate port.
Click Next to advance to the last screen of the network license setup.

Click Finish to apply the new settings.

Return to: <u>Installation</u>

Network Administrator Installation

Network Administrator Installation

There are several possible installation configurations and methods that could be used for deploying Discovery in a network environment. The best method for your particular situation depends upon the number of users and your network environment.

There are at least 3 important components to consider in any network environment:

- Landmark Graphics Licensing (LAM)

- Workstation Installation

- Discovery Project Server (Optional)

Note: If you only have the LSM download of the setup and not the DVD media you will need to use the Workstation Setup files located on the Discovery Utilities under Extras\Workstation files. The Discovery Utilities can be downloaded from the LSM.

If you have any questions or issues with your particular network environment, please don't hesitate contacting GeoGraphix Technical Support.

Network License Server (LAM)

Landmark Graphics License Server (LAM) must be installed to use Discovery in a network environment. Download LAM from the LSM and follow the installation instructions.

After the server is set up, when the License Wizard runs on the client machine, choose the Connect to a Network License Server option and input the required information.

For more information on the license wizard see the Product Licensing topic.

Workstation Installation

Network Administrator Installation - Workstation Installation

Caution: General Installation Requirements - please refer to the System Requirements for a complete list	• The following conditions must be met before you can install the Discovery 2012.0.0 software:
	o You must have **Administrative Rights** to the local computer that will run the install.
	o Must have **Internet Explorer 6.0** or higher installed.
	o Microsoft .NET 3.5, SP1 must be installed.
	o Must have networking installed including the **TCP/IP** protocol.
	o This software should only be installed on **Windows ® XP Professional 64 bit, Windows® 7, Windows ® Server 2003 Standard 64 bit, Windows ® Server 2003 Enterprise 64 bit** or **Windows ® Server 2008** operating system.

The workstation installation in a network environment can be initiated from the Discovery 2012.0.0 LSM download or directly from the Release DVD or by creating an Application Distribution site:

- Using LSM download or Release DVD

- Using Application Distribution Site

Go to STEP 1: Using LSM download or Release DVD

Go to STEP 1: Using Application Distribution Site

Return to: Network Administrator Installation

Workstation Installation - Using LSM Download or Release DVD

Workstation installations directly from the Discovery 2012.0.0 LSM download or the Release DVD are quite acceptable if you don't mind configuring the installation at each workstation. The installation could be shared on a network drive or carried from workstation to workstation.

The installation procedure for workstation installations directly from LSM or the release DVD is identical to the End User Installation.

Note:	Licensing will be need to be configured on each workstation to find the Network License Server (LAM). The configuration can be set with the Product Licensing screen that appears after a Discovery application is started.

Go to STEP 1: Getting Started with the Discovery LSM Download or Release DVD

Return to: Workstation Installation

Return to: Network Administrator Installation

Using Application Distribution Site

Workstation Installation - Using Application Distribution Site

Workstation Installations with an Application Distribution Site can save considerable configuration time at the workstation and can even be automated to create unattended, silent installations for the workstation.

There are 6 steps involved with performing Workstation Installations using an Application Distribution Site:

- STEP 1: Administrative Install - Start >> Run

- STEP 2: Administrative Install - InstallShield Wizard Startup

- STEP 3: Administrative Install - Network Location

- STEP 4: Administrative Install - InstallShield Wizard Completed

- STEP 5: Configure Application Distribution Site

- STEP 6: Install to Workstations

Go to STEP 1: Administrative Install - Start >> Run
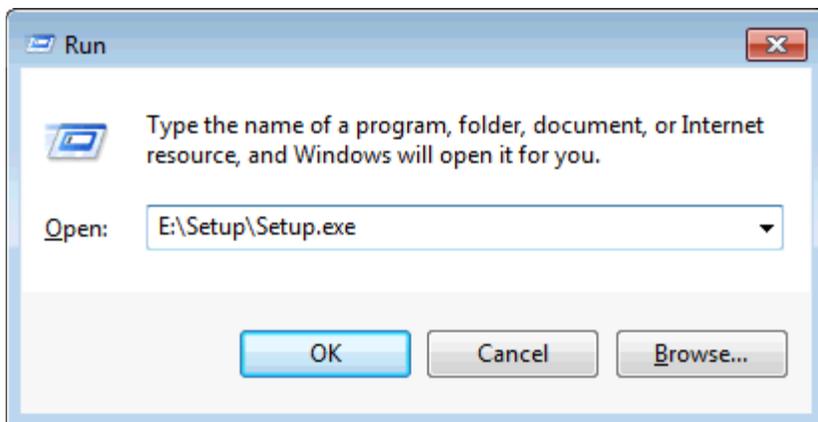
Return to: Workstation Installation

Return to: Network Administrator Installation

Create Application Distribution Site STEP 1 - Administrative Install - Start >> Run

An administrative install is generally started with a Run "setup.exe" command containing the "/a" parameter.

A Run command can be configured in the standard Windows Run dialog box. This dialog box can be accessed from the Windows Taskbar **Start** menu and **Start >> Run**.

If the Discovery 2012.0.0 DVD is in a DVD-Drive with assigned drive letter of "E" then the command line would be like the following in the Run dialog box:

Go to STEP 2: Administrative Install - InstallShield Wizard Startup

Return to Beginning: Workstation Installation - Using Application Distribution

Create Application Distribution Site STEP 2 - Administrative Install - InstallShield Wizard Startup

After configuring the Run command in STEP 1 - Administrative Install - Start >> Run, the InstallShield wizard is started....
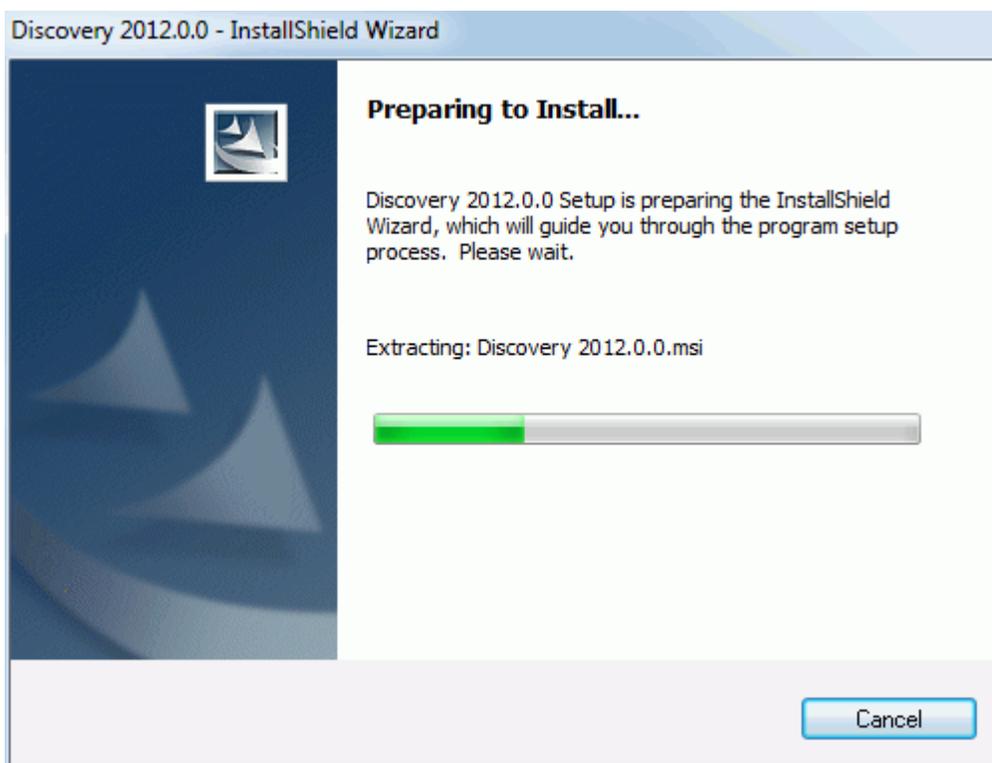
and the Welcome to the InstallShield Wizard for Discovery 5000.0.2.0 appears on your screen.

Click **Next** to proceed to the Network Location step of the wizard.

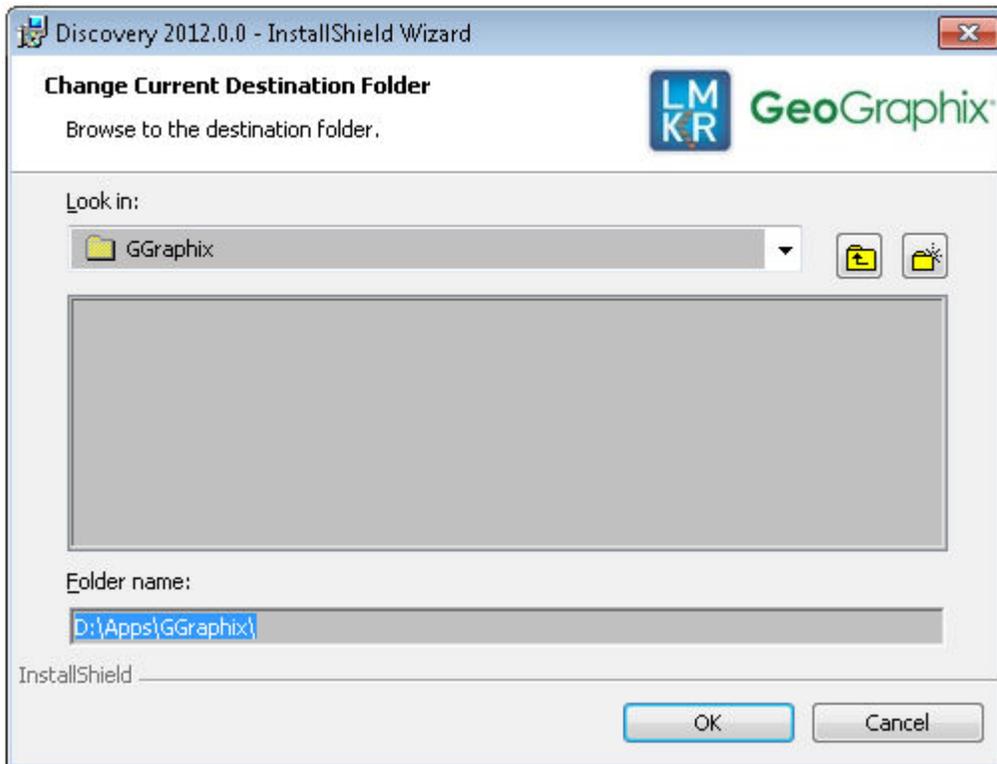| Note:	Clicking the Help button will open the Discovery Installation Guide help window (this documentation).

Go to STEP 3: Administrative Install - Network Location

Return to STEP 1: Administrative Install - Start >> Run

Return to Beginning: Workstation Installation - Using Application Distribution
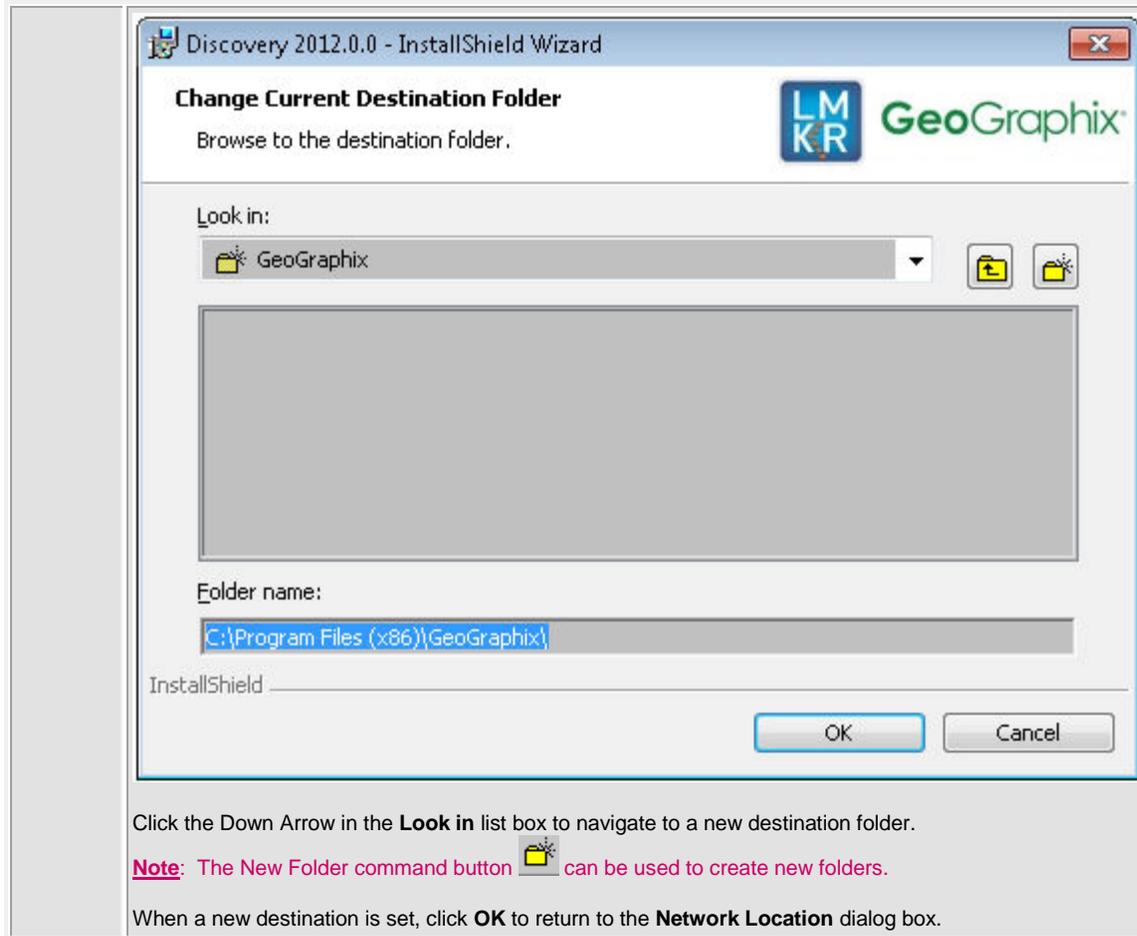
Create Application Distribution Site STEP 3 - Administrative Install - Network Location

This step of the wizard determines where the distribution site will be created on the network.

In this particular example, a network server share of "Apps on CorpServer1" is mapped to the "X" drive. The Application Distribution Site will be created in a folder and subfolder called GGraphix\Distrib.

Network location:	Specify the network mapped drive/path or UNC path where the distribution site will be created. **Note:** A User running an administrative installation must have permissions to write to the designated Network location. Discovery Release Setup contents will be copied and decompressed to this network location.
Change command button:	Clicking this command button will open the **Change Current Destination Folder** dialog box where you can change the network location destination folder.

Click the Down Arrow in the **Look in** list box to navigate to a new destination folder.

Note: The New Folder command button can be used to create new folders.

When a new destination is set, click **OK** to return to the **Network Location** dialog box.

Click **Install** to copy files and create network distribution site.

Go to STEP 4: Administrative Install - InstallShield Wizard Completed

Return to STEP 2: Administrative Install - InstallShield Wizard Startup

Return to Beginning: Workstation Installation - Using Application Distribution
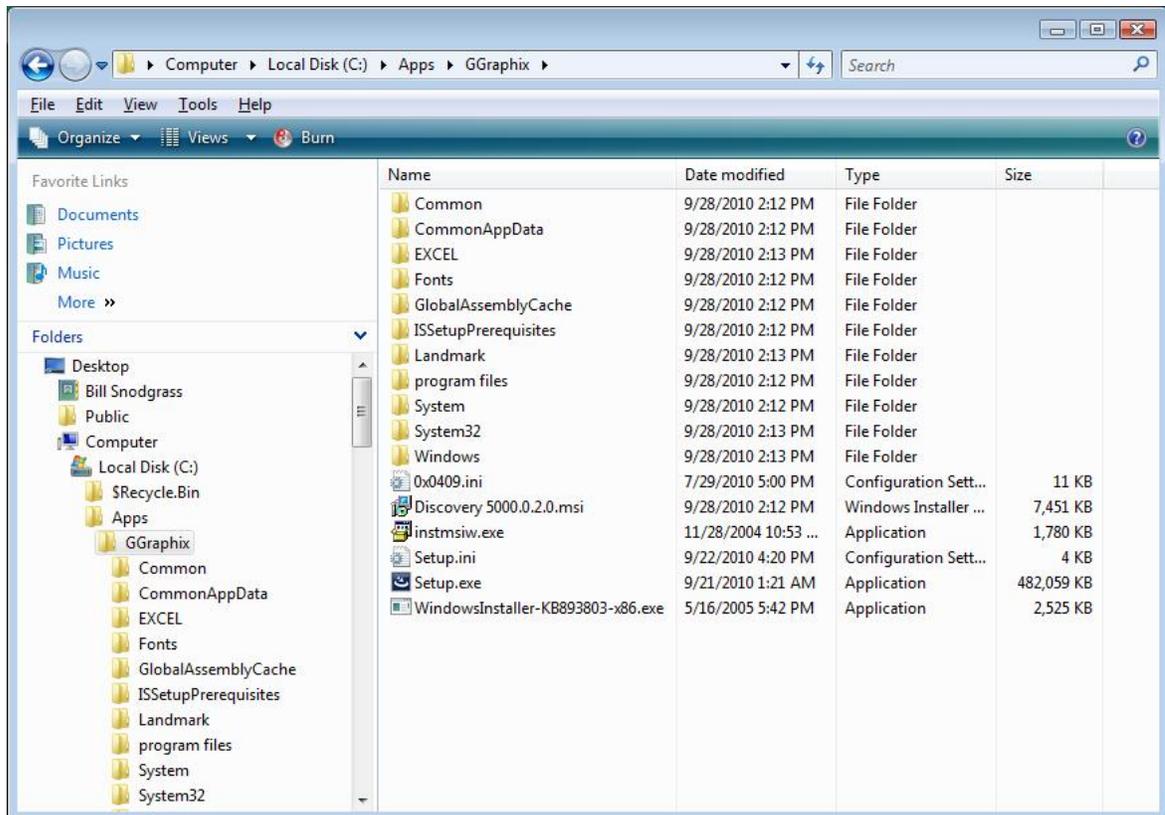
Create Application Distribution Site STEP 4 - Administrative Install - InstallShield Wizard Completed

After Install is clicked in the Network Location step, installation files are decompressed and copied to the network location that was designated in STEP 3 - Administrative Install - Network Location...

and when the installation is finished, the InstallShield Wizard Completed dialog box appears:
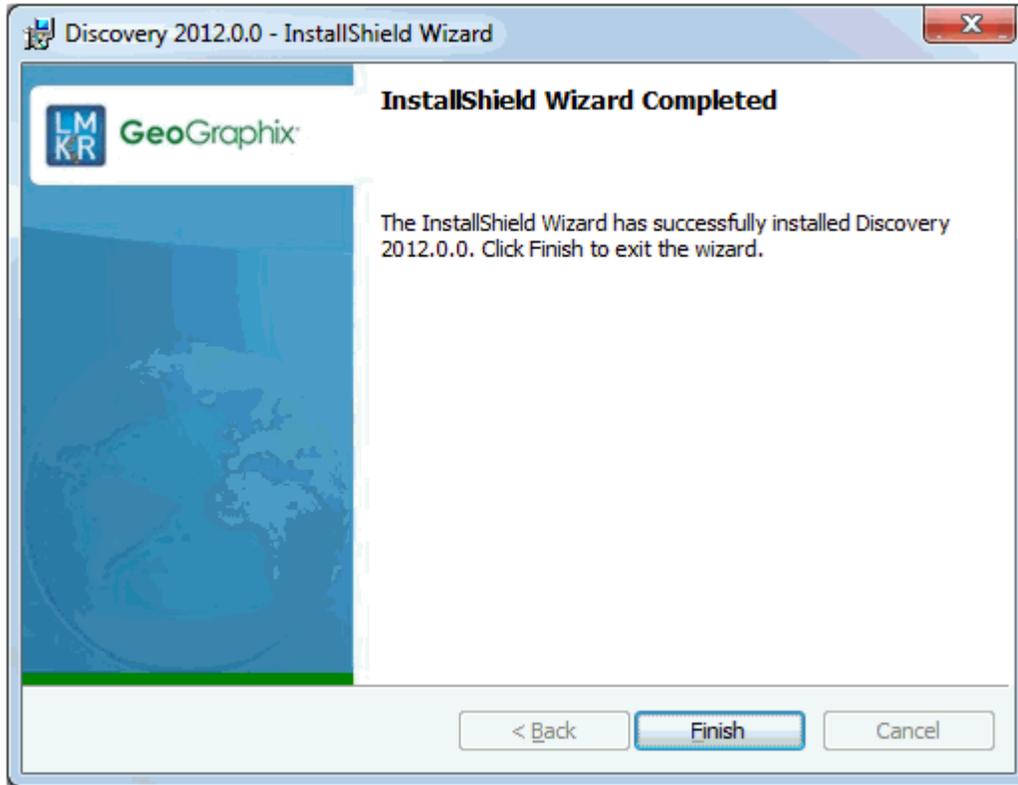
The Network Application Distribution Site should contain the following folders and files at this point:

In the next step, the application distribution site's setup.ini will be configured for distribution to the workstations.

| Note:	Running the setup.exe in the application distribution site could be used at a workstation to install Discovery software but configuring the setup.ini can save time and even be automated to create an unattended, silent installation for the workstations.

Create Application Distribution Site STEP 5 - Configure Application Distribution Site

After all the necessary files have been copied and decompressed to the Application Distribution Site with the Administrative Install in the previous steps, the Application Distribution site needs to be configured for your particular network environment.

Note: If you only have the LSM download of the setup and not the DVD media you will need to use the Workstation Setup files located on the Discovery Utilities under Extras\Workstation files. The Discovery Utilities can be downloaded from the LSM.

This involves editing some of the existing command variables (e.g. User Name, Company Name, etc.) or adding commands along with variables to the "**Setup.ini**" file on the Application Distribution Site.

Look for the [Startup] section in the "**Setup.ini**":
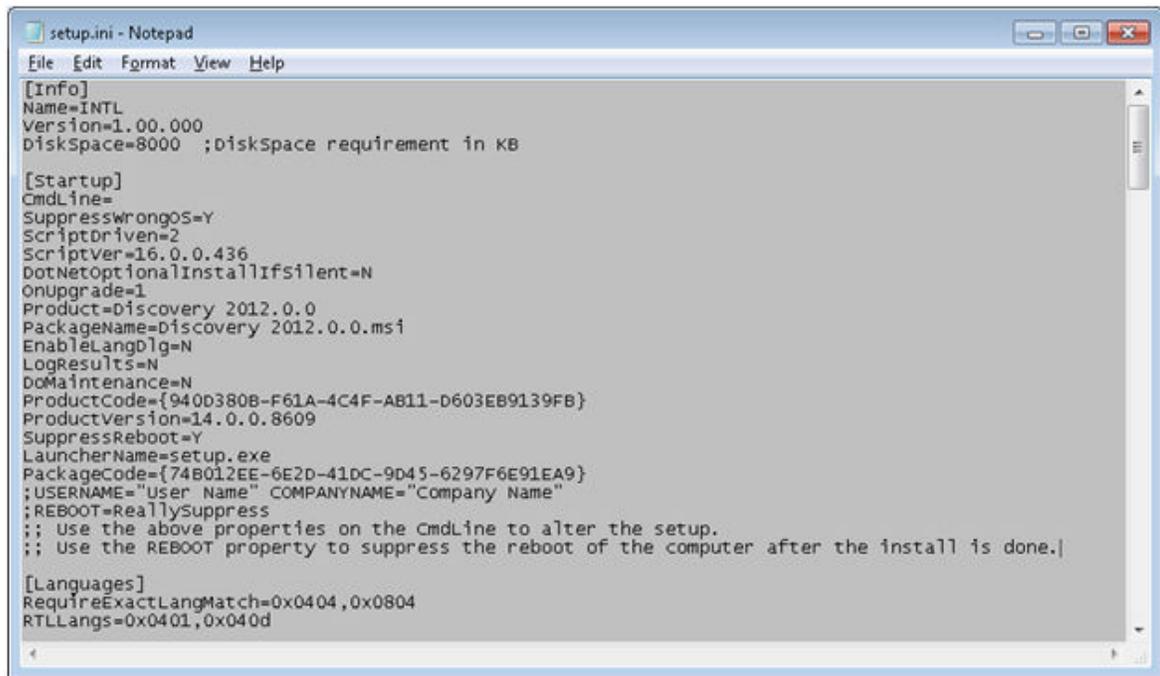
The following table lists some commands and variables that may be used on the CmdLine in the "**Setup.ini**":

Command	Variable (quotes required where shown)	Description
USERNAME	"Text string"	The variable value within quotes will be used for the User Name field in the Customer Information dialog.

46

COMPANYNAME	"Text string"	The variable value within quotes will be used for the Organization field in Customer Information dialog.
ADDLOCAL (This command can be used to install specific Disccovery applications. It is very similar to choosing specific features in a custom install. If this command is not used then a typical install is run.)	"Discovery,Security,WindowsSystemFiles, WindowsSystemCore,DataDirect60,SQLAnywhere10, DataCore,SystemCore,Modules,Services,Providers, Apps,Projects,ProjectServer,DepthRegistration2, EventLogging,GeoGraphixDiscovery,Discovery3D, HelpCore,Tools,MapObjects,GES,Prizm,LandmarkConnectivity, SeisVision,smartSECTION,WellXchange,ToursAndTutorials, TracPlannerUtilities,MCO" **Note: This command is on one line with no spaces.**	This variable value would install all the necessary features for Discovery only.
ALLUSERS	1	If the ADDLOCAL command is used then the ALLUSERS command must also be used. The ALLUSERS command enables the installation of GeoGraphix services.
PROJECTS	"Local Drive:\Folder"	This must be a local hard drive. This command can be used to designate a local projects folder which is essentially step 7 of custom end user installation. Note: If this command is not used, a projects folder will be installed by default to C:\Documents and Settings\All Users\Application Data\GeoGraphix\Projects unless a previous local projects folder is detected by the install then local projects folder will be installed to previous detected path\folder.
UNITS	"English" OR "Metric" OR "Canadian Metric"	This command can be used to make selections normally made in step 8 of custom end user installation.
/q, /qn	Not applicable	No UI seen during installation.
/qb	Not applicable	Basic UI seen during installation. qb! can be used to hide Cancel button.
/qr	Not applicable	Reduced UI seen during installation. No modal dialog box displayed at the end of installation.
/qf	Not applicable	Full UI seen during installation.
/qn+	Not applicable	No UI seen during installation except for a modal dialog box displayed at the end of installation.
/qb+	Not applicable	Basic UI with a modal dialog box seen at

		end of installation. qb+! or qb!+ can be used to hide Cancel button.
/qb--	Not applicable	Basic UI with no modal dialog boxes seen during installation.

After removing comment sign (";") and editing or adding variables in CmdLine, your "**Setup.ini**" CmdLine may look similar (other commands can exist) to the following example:

```
setup.ini - Notepad

File  Edit  Format  View  Help

[Info]|
Name=INTL
Version=1.00.000
DiskSpace=8000  ;DiskSpace requirement in KB

[Startup]
CmdLine=USERNAME="Russell Roundtree" COMPANYNAME="Small Potatoes, Inc."
SuppressWrongOS=Y
ScriptDriven=2
ScriptVer=16.0.0.436
DotNetOptionalInstallIfSilent=N
OnUpgrade=1
Product=Discovery 2012.0.0
PackageName=Discovery 2012.0.0.msi
EnableLangDlg=N
LogResults=N
DoMaintenance=N
ProductCode={940D380B-F61A-4C4F-AB11-D603EB9139FB}
ProductVersion=14.0.0.8609
SuppressReboot=Y
LauncherName=setup.exe
PackageCode={74B012EE-6E2D-41DC-9D45-6297F6E91EA9}
;USERNAME="User Name" COMPANYNAME="Company Name"
;REBOOT=ReallySuppress
;; Use the above properties on the CmdLine to alter the setup.
;; Use the REBOOT property to suppress the reboot of the computer after the install is done.

[Languages]
RequireExactLangMatch=0x0404,0x0804
RTLLangs=0x0401,0x040d
```

Note:	*Only a small portion of the "Setup.ini" is displayed above.*

Using Application Distribution Site - STEP 6 - Install to Workstations (FINAL STEP)

After the application distribution site is configured for your network environment, Discovery applications can now be deployed to the workstations.

You can deploy Discovery applications to the workstations by sharing application distribution site to workstations and running "setup.exe" in the application distribution site (similar to End User Installation).

OR

You may want to utilize scripts or 3rd party tools such as Microsoft ® SMS or InstallShield ® AdminStudio that take advantage of Microsoft ® Windows Installer technology for workstation deployment.

This is the last step in a Workstation Installation using an Application Distribution Site.

Return to STEP 5: Configure Application Distribution Site

Return to Beginning: Workstation Installation - Using Application Distribution

Return to: Network Administrator Installation

Discovery Project Server (Optional)

Create *Discovery* Project Server (Optional)

Creating a *Discovery* Project Server is an optional third component in a network administrator installation. It is a very important consideration if you want to store Discovery projects on a central server, then share those projects across the network for multiple users.

Note:	A Workstation Installation will create a local projects folder on every workstation with GeoGraphix *Discovery* installed so all workstations can create and store projects on their local hard drive. Local projects can also be shared between users on the network if the project properties in ProjectExplorer are set to network access. Please refer to the ProjectExplorer Help files for more information on local projects versus network projects.

A *Discovery* Project Server can be created with a custom installation using the Discovery 2012.0.0 LSM download or Release DVD.

Note:	This installation must be performed on the server that will become the *Discovery* Project Server. This server must have access to the Network License Server (LAM) (this server may also be the LAM Server).

There are 10 steps involved with creating a *Discovery* Project Server:

- STEP 1 - Getting Started with The Discovery LSM download or Release DVD
- STEP 2 - InstallShield Wizard Startup
- STEP 3 - License Agreement
- STEP 4 - Customer Information
- STEP 5 - Setup Type (Typical vs. Custom)
- STEP 6 - Custom Setup
- STEP 7 - Local Projects Folder
- STEP 8 - Log Units of Measurement
- STEP 9 - Ready to Install the Program
- STEP 10 - InstallShield Wizard Completed

Go to STEP 1: Getting Started with GeoGraphix Release DVD

Return to: Network Administrator Installation

Discovery Project Server - STEP 1 - Getting Started with the Discovery LSM Download or Release DVD

Before starting the installation, make sure that all open applications are closed.

If you have downloaded Discovery 2012.0.0 from LSM, go to the **C:\Landmark\LSM\Landmark\GGX\Discovery2012Win** folder and double click on the **Discovery2012.0.0Setup.exe** file to begin. You will proceed directly to STEP 2 - InstallShield Wizard Setup.

If you have ordered the **Discovery 2012.0.0 DVD**, continue through this step.

Insert the **Discovery/Landmark Connectivity/Seismic Modeling DVD-ROM** into the DVD-Drive.

The GeoGraphix splash screen appears for a few seconds ....

Note:	If the GeoGraphix splash screen does not appear automatically, go to the Start menu, and choose Run. In the Run dialog box, browse to the appropriate DVD-ROM drive and select the Install.exe file. Click OK.

then the GeoGraphix install window appears .....

Click the first option,   to proceed to the next step in the Discovery Project Server Installation.

Go to STEP 2:   InstallShield Wizard Startup

Return to Beginning: Create Discovery Project Server

Discovery Project Server - STEP 2 - InstallShield Wizard Startup

After clicking Install Discovery, Landmark Connectivity, and Modeling in the previous step, the InstallShield wizard is started....
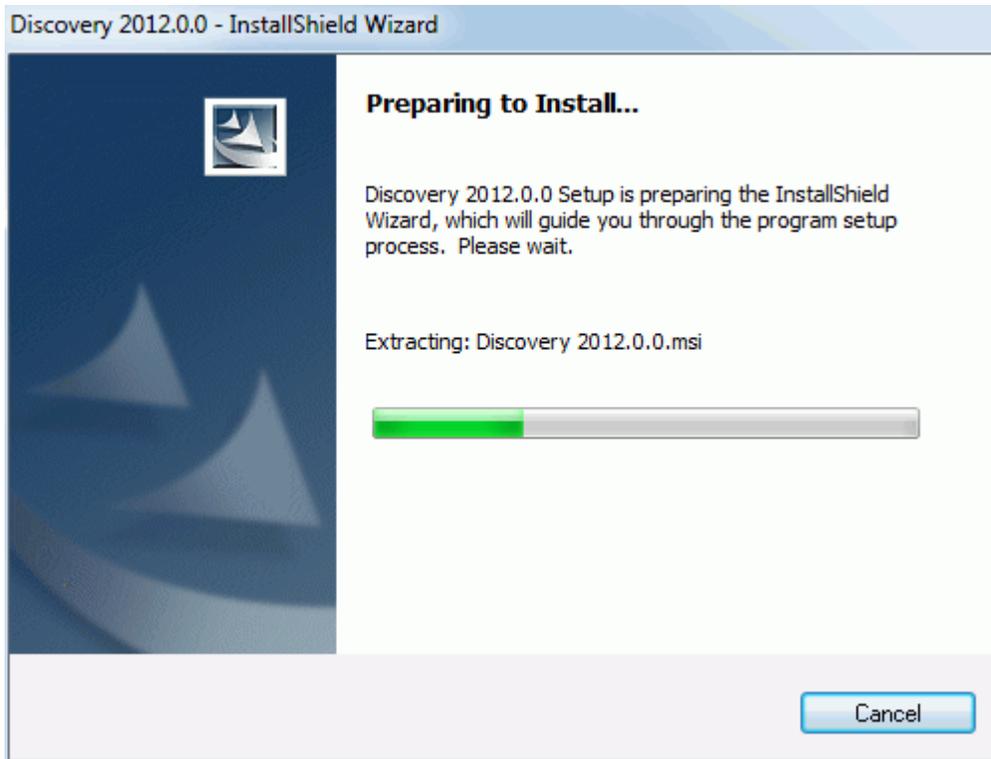
and the Welcome to the InstallShield Wizard for Discovery 5000.0.2.0 appears on your screen.

Click the **Next** button to proceed to the License Agreement step of the wizard.

Note:	Clicking the Help button will open the Discovery Installation Guide help window (this documentation).

Go to STEP 3: License Agreement

Return to STEP 1: Getting Started with the Discovery LSM Download or Release DVD

Return to Beginning: Create Discovery Project Server

Discovery Project Server - STEP 3 - License Agreement

The software license agreement is displayed in this step of wizard.

Select the "**I accept the terms in the license agreement**" option.

Click **Next** to proceed to the Customer Information step of the wizard.

Go to STEP 4 - Customer Information

Return to STEP 2 - InstallShield Wizard Startup

Return to Beginning: Create Discovery Project Server

Discovery Project Server - STEP 4 - Customer Information

Customer Information appears in this step of the wizard.

Enter your **User Name** and **Company Name**.

Click **Next** to proceed to the Setup Type step of the wizard.

Go to STEP 5: Setup Type (Typical vs. Custom)

Return to STEP 3: License Agreement

Return to Beginning: Create Discovery Project Server

Discovery Project Server - STEP 5 - Setup Type (Typical vs. Custom)

The type of setup (Typical vs. Custom) and application destination folder is selected in this step of the wizard.

Typical option:	Choosing this option will install Discovery (GESXplorer, PRIZM, SeisVision) to the application destination folder (Install To:).
	Note: A local projects folder will be installed by default to: C:\Documents and Settings\All Users\Application Data\GeoGraphix\Projects (for Windows® XP) or C:\ProgramData\GeoGraphix\Projects (for Windows® 7) unless a previous local projects folder is detected by the install then local projects folder will be installed to the previous detected path\folder.
Custom option:	Choosing this option then clicking Next will open a Custom Setup dialog box to choose features to be installed.
Install to:	This is the path/folder that will be used to install applications to on the computer.
	The Change command button can be used to change path/folder destination of the application.
Change command button:	Clicking this command button will open a standard Windows Browse/Open dialog box to change the application destination folder.
	Note: Path/folder must be a local hard drive.

To create a Discovery Project Server, select **Custom** option and click **Next** to proceed to the Custom Setup step of the wizard.

Note:	A Discovery Project Server can be created by using the Typical setup type and installing all the Discovery applications but a Custom setup type may be preferred because install options can be customized.

Go to STEP 6: Custom Setup

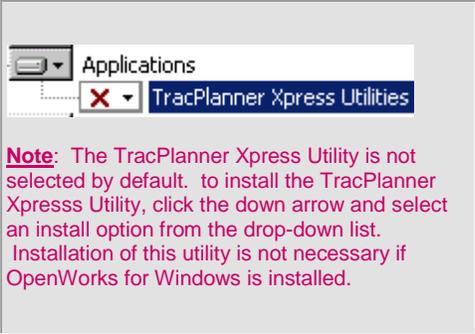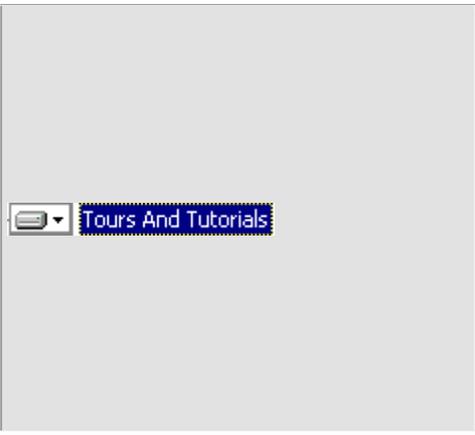Return to STEP 4: Customer Information

Discovery Project Server - STEP 6 - Custom Setup

This step of the wizard can be used to select certain features to be installed and change the application destination directory.
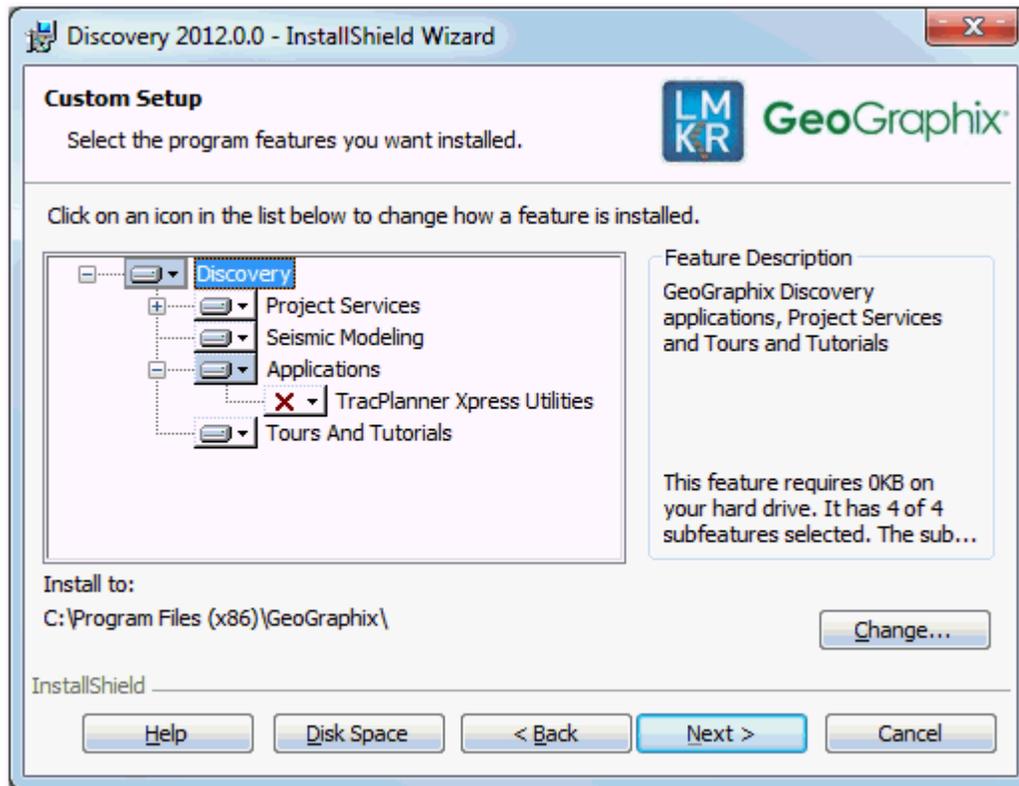
List Box and Feature Description:	When a feature is selected in list box, a description of the feature will appear at right in the Feature Description box.	

		Feature Description
	Project Services	ProjectExplorer and Services that must be installed for Discovery project management. Installing Project Services only can be used to create a network project server. This feature requires 12MB on your hard drive. It has 1 of 1 subfeatures selected. The sub… Project Services feature cannot be disabled. Selecting Project Services feature by itself can be used to setup a network project server.
	Project Services System Event Logging	Feature Description Writes information to the Windows event logs. This feature requires 42KB on your hard drive.
	Seismic Modeling	Feature Description Seismic Modeling: LogM and Struct This feature requires 90MB on your hard drive.
	Applications	Feature Description GeoGraphix Discovery including GESXplorer, Prizm and SeisVision This feature requires 512bytes on your hard drive. It has 0 of 1 subfeatures selected. The sub…

Note: The TracPlanner Xpress Utility is not selected by default. to install the TracPlanner Xpresss Utility, click the down arrow and select an install option from the drop-down list. Installation of this utility is not necessary if OpenWorks for Windows is installed.

Feature Description

Utilities needed for Discovery and TracPlanner such as pdbin.exe, services.dat, etc.

This feature requires 0KB on your hard drive.

Feature Description

Discovery Tours and Tutorials

This feature requires 58MB on your hard drive.

Discovery Tours and Tutorials include creating a "SampleFiles" directory and installing zip projects for 3 possible project areas (Moosehead, Powder and Stratton).

Clicking the down arrow icon will list options to install or not install the feature:

This feature will be installed on local hard drive.

This feature, and all subfeatures, will be installed on local hard drive.

This feature will not be installed.

Clicking the Help button on this Custom Setup dialog will bring up the Custom Setup Tips dialog.

Install to:	This is the path/folder that will be used to install applications to on computer. The Change command button can be used to change the path/folder destination of the application.
Change command button:	Clicking this command button will open a standard Windows Browse/Open dialog box to change the application destination folder.

Select **Project Services** as the only feature to be installed (disable all other features):
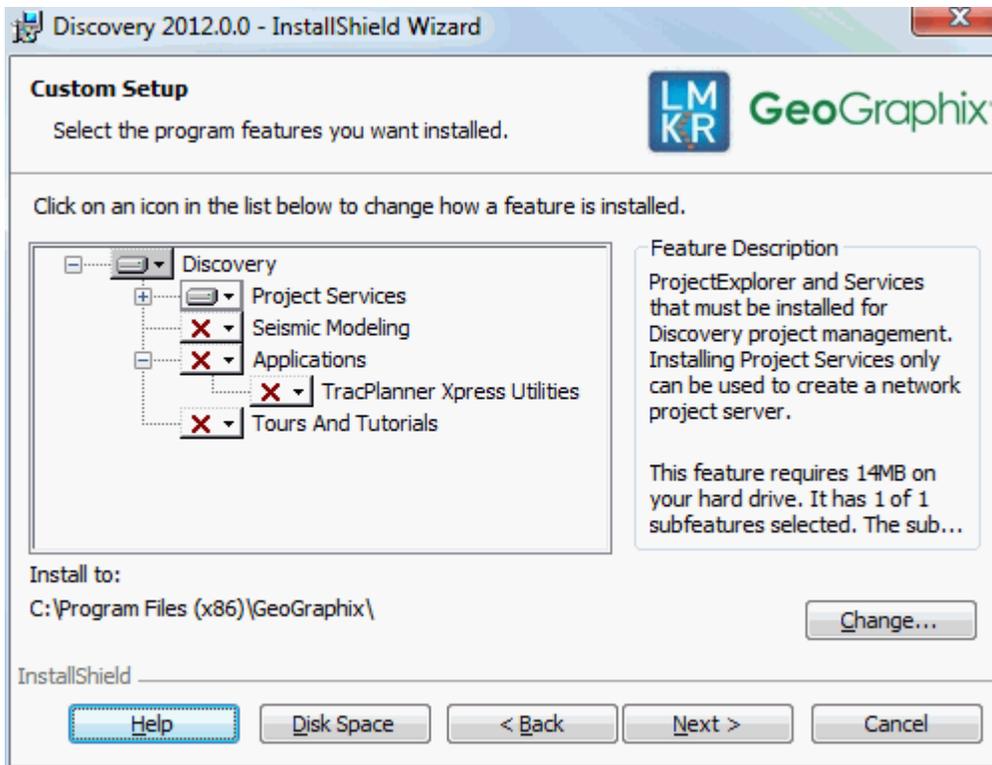
Click **Next** to proceed to the Local Projects Folder step of the wizard.

Discovery Project Server - STEP 7 - Local Projects Folder

This step of the wizard determines where the local projects folder (path/folder) will be created during the installation.
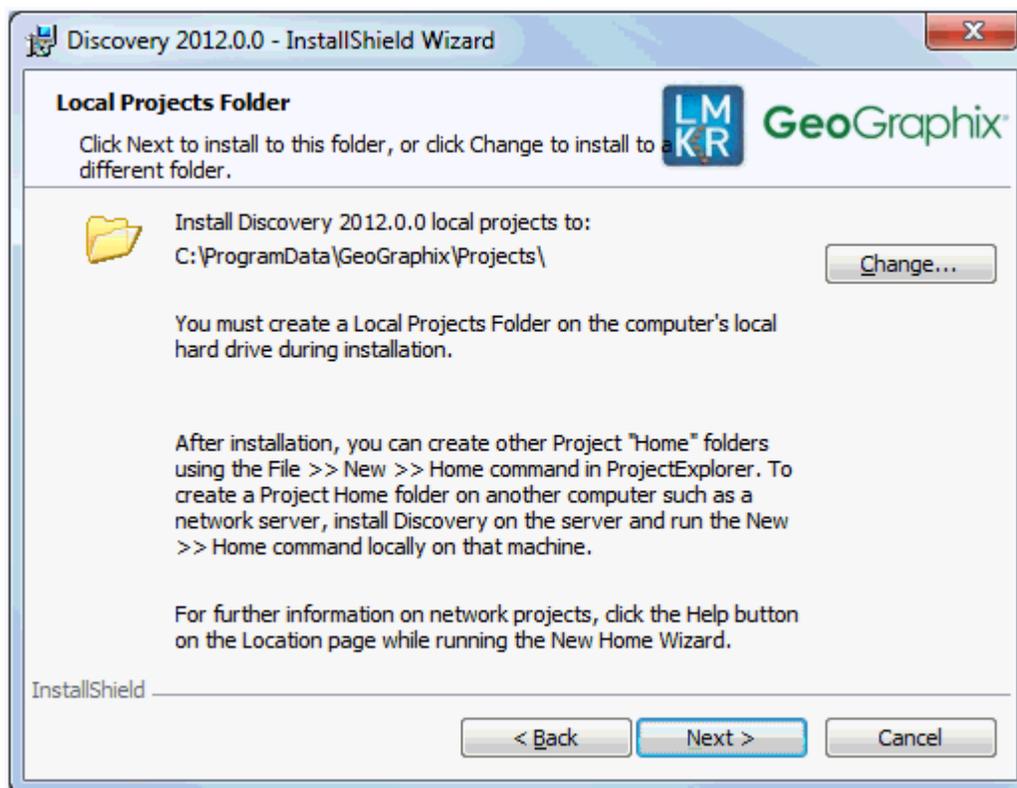
Clicking the **Change** command button will open a **Change Current Destination Folder** dialog box where you can change the application destination folder.

Note:	Local Projects Path\Folder must be a local hard drive.

After installation is complete (as text in dialog box indicates), projects on Discovery Project Server can be organized in Homes using ProjectExplorer >> File >> New >> Home. More information regarding network projects can be found in the ProjectExplorer Help files.

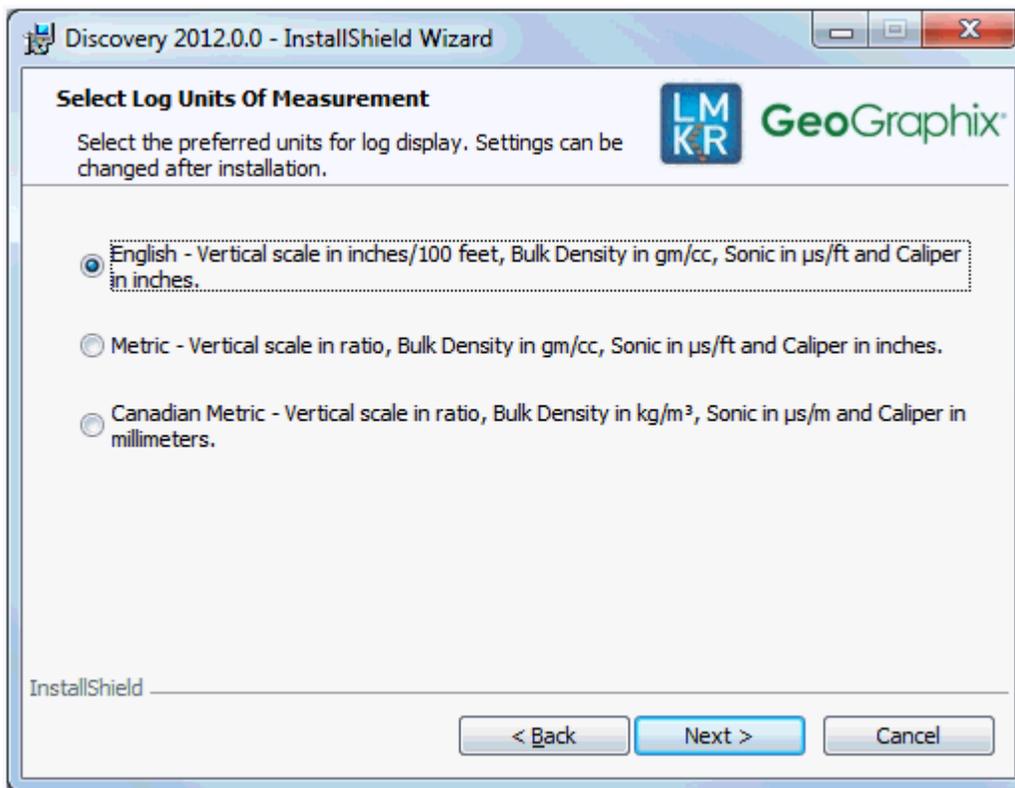Click **Next** to proceed the Log Units of Measurement step of the wizard.

Discovery Project Server - STEP 8 - Log Units of Measurement

This step of the wizard determines what default log units will be setup for PRIZM and XSection.

Note:	The units can be changed in PRIZM and XSection after installation.

Select the appropriate **Units** option and click **Next** to proceed to the Ready to Install the Program step of the wizard.

Go to STEP 9: Ready to Install the Program

Return to STEP 7: Local Projects Folder

Return to Beginning: Create Discovery Project Server

Discovery Project Server - STEP 9 - Ready to Install the Program

This is the second to last step of the wizard.

Click **Install** to copy files and begin installing the Discovery software or click **Back** to review
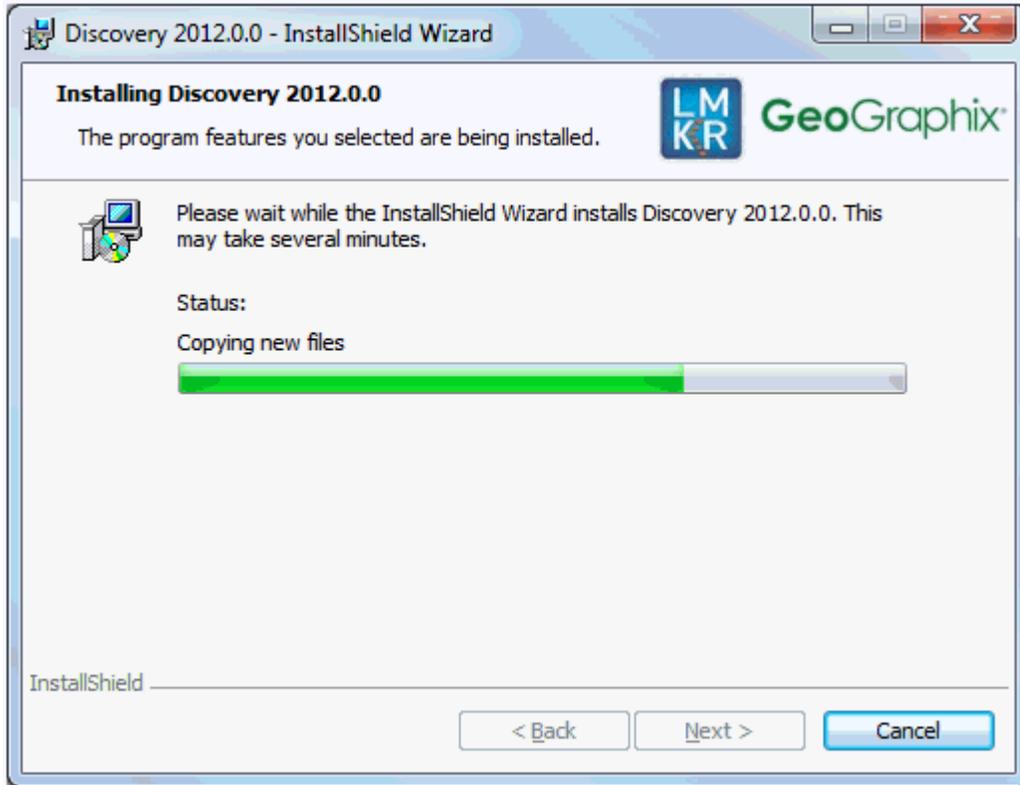and make any changes as necessary.

Discovery Project Server - STEP 10 - InstallShield Wizard Completed (FINAL STEP)

After the Install is clicked in the Ready to Install the Program step, files are installed to the workstation....

and when the installation is finished, the InstallShield Wizard Completed dialog box appears:
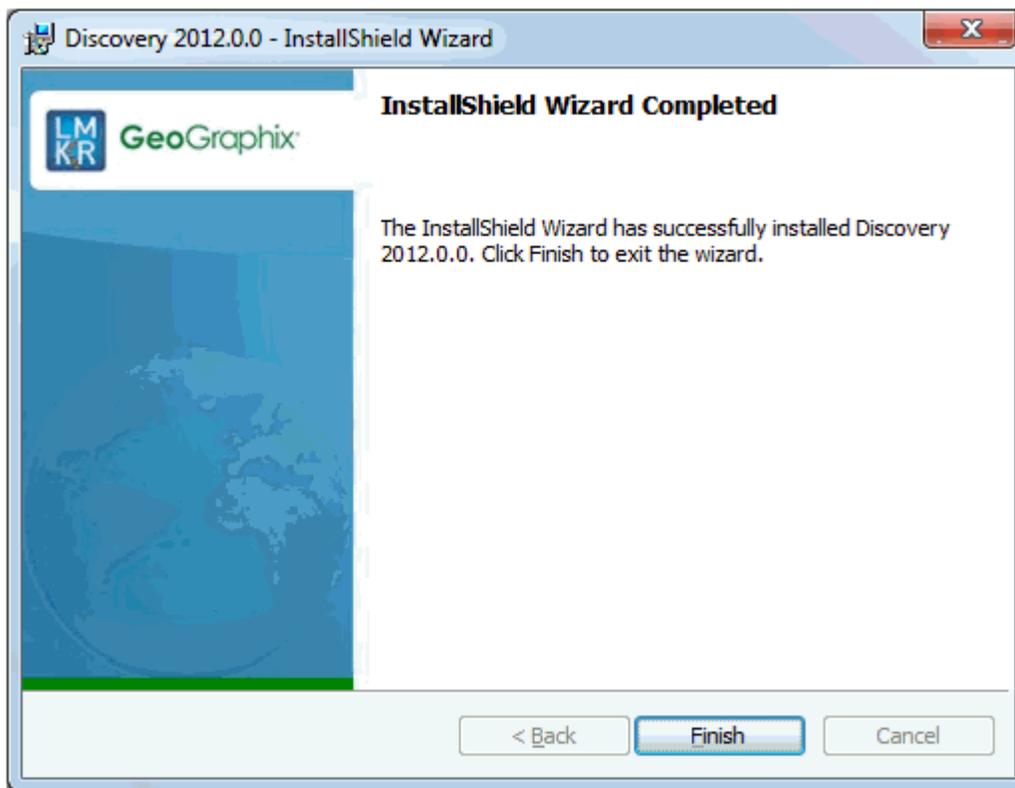
Discovery can now be started through the desktop shortcuts or start menu.

Note:	The Discovery Project Server must now be configured to connect to Landmark Graphics Licensing (LAM).
	When the Discovery application is started through desktop shortcuts or start menu, a licensing check is performed on computer. During this licensing check, the connection to LAM can be established.
	Please refer to Product Licensing topic for further details.

This is the final step in creating a Discovery Project Server. If necessary, other components in a Network Administrator Installation (e.g. Workstation Installations) may now be installed.

Return to STEP 9: Ready to Install the Program

Return to Beginning: Create Discovery Project Server

Return to: Network Administrator Installation

Landmark Connectivity Installation

Landmark Connectivity Installation

Installing Landmark Connectivity will install the following Discovery applications\features:

- WellXchange

- GridXchange

- SeisXchange

Landmark Connectivity will be installed by default with the Discovery Typical setup type installation or can be custom installed by selecting the Landmark Connectivity feature in the Discovery Custom setup type of the installation.

Caution:	• Note: To run Seisxchange, and GridXchange, Landmark OpenWorks for Windows 5000.0.2.7 and it's associated software components must also be installed.
	In addition, if you are utilizing SeisXchange, an NFS application such as Hummingbird ® NFS Maestro must also be installed and the configuration of several components to access SeisWorks will be necessary. (does not apply to WellXchange-OpenWorks Connect or GridXchange).
	Please refer to Preparing the SeisXchange Environment for further information if you will be utilizing SeisXchange and SeisVision on OpenWorks.

Go to: OpenWorks for Windows

Go to: Preparing the SeisXchange Environment

Return to: Installation

OpenWorks for Windows 5000.0.2.7

Note: *Discovery on OpenWorks projects, GridXchange, and SeisXchange require OpenWorks for Windows.*

Please refer to the OpenWorks 5000.0.2.7 Installation Procedures in Landmark OpenBooks 5000.0.2.0 for detailed, step-by-step instructions for installing OpenWorks for Windows 5000.0.2.7.

The Landmark OpenBooks 5000.0.2.0 will discuss installing all the software components associated with OpenWorks for Windows 5000.0.2.7:

- Oracle® Enterprise 10g Client 10.2.0.3g.

- X-Server (OpenWorks for Windows 5000.0.2.7 is certified with Hummingbird Exceed® v8.0)

- Adobe® Acrobat Reader 5.x

- OpenWorks for Windows 5000.0.2.7

Note: The OpenWorks full install requires Hummingbird Exceed. The Oracle client installation in use with OpenWorks Full requires that the "Administrator" option be selected. The "Administrator" option type includes the SQL Plus, the Oracle Database Utilities, and other components necessary to run Discovery on OpenWorks

Note: Hummingbird exceed is not required for the OpenWorks Basic install. If Openworks Basic installation is used, the Oracle client can be installed with "Administrator" installation type, which will include all of the needed components. Or, the Oracle client installation for the OpenWorks Basic installation can use the "Custom" install type however, the following components must be installed:

- *Oracle Database Utilities 10.2.0.1.0*

- *SQL *Plus 10.2.0.1.0*

- *Oracle JDBC/THIN Interfaces 10.2.0.1.0*

- *Oracle Net 10.2.0.1.0*

After these Oracle components are installed, run the upgrade patch to Oracle 10g 10.2.0.4 (32 bit).

Preparing the SeisXchange Environment

Once OpenWorks for Windows along with Discovery are in place, the installation and configuration of an NFS application along with configuration of the dir.dat file to access SeisWorks will be necessary if SeisXchange or SeisVision on OpenWorks will be utilized:

1.   Install and configure NFS application as necessary.

2.   Export the required UNIX ® /LINUX ® SeisWorks file systems for NFS.

3.   Verify that all the required NFS daemons are running on the UNIX ® /LINUX ® computer.

4.   Configure Windows ® environment variable OW_CONF_DIR which defaults to $OWHOME/conf, where ithe district.dat file is located, which will point to the location of the dir.dat file associated with the district.

5.   Configure dir.dat (example shown below) to find exported SeisWorks files systems.
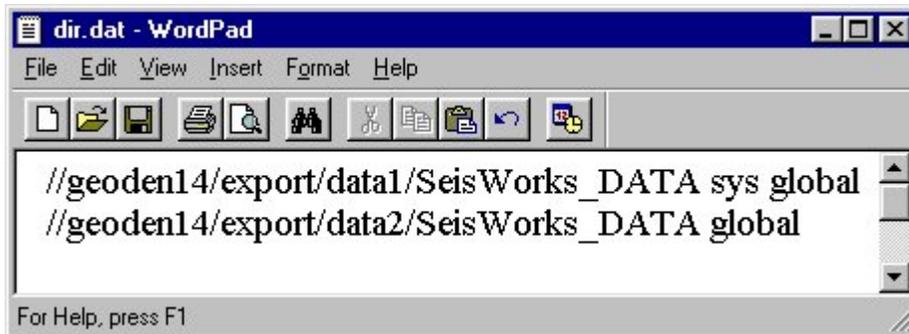
Utilities

Utilities

You can install Discovery 2012.0.0 Utilities from the download of the [Discovery2012.0.0 Software from LSM](#) or from the Discovery 2012.0.0 Release DVD.

If you have downloaded [Discovery 2012.0.0 from LSM](#), See the **GeoGraphix Discovery 2012.0.0 Utilities Read Me** to install the Utilities. Click on the **Install Guide** button on LSM to open the **GeoGraphix Discovery 2012.0.0 Utilities Read Me** file.

If you have downloaded [Discovery 2012.0.0 from LSM](#), go to the **C:\Program Files (x86)\GeoGraphix\Utilities folder** (for XP 64 bit Operating Systems), or the folder you specified to save the Utilities folder during the download, and double click on the specific Utility executable file to begin.

If you have ordered the **Discovery 2012.0.0 DVD**, continue through this step.

Insert the **Discovery/Landmark Connectivity/Seismic Modeling DVD-ROM** into the DVD-Drive.

If you have ordered the Discovery 2012.0.0 DVD, Insert the Discovery/Landmark Connectivity/Seismic Modeling DVD-ROM into the DVD-Drive.
The GeoGraphix splash screen appears for a few seconds.

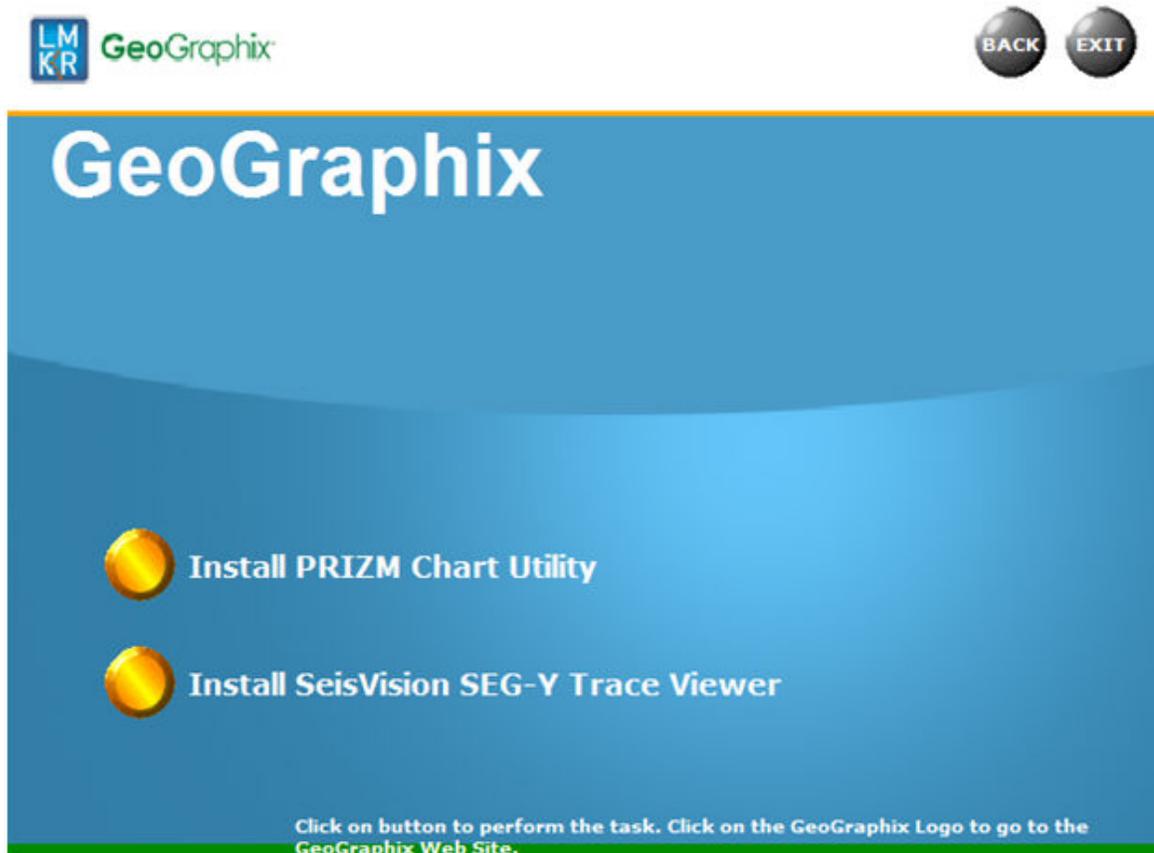| **Note:**	If the GeoGraphix splash screen does not appear automatically, go to the Start menu, and choose Run. In the Run dialog box, browse to the appropriate DVD-ROM drive and select the Install.exe file. Click OK.
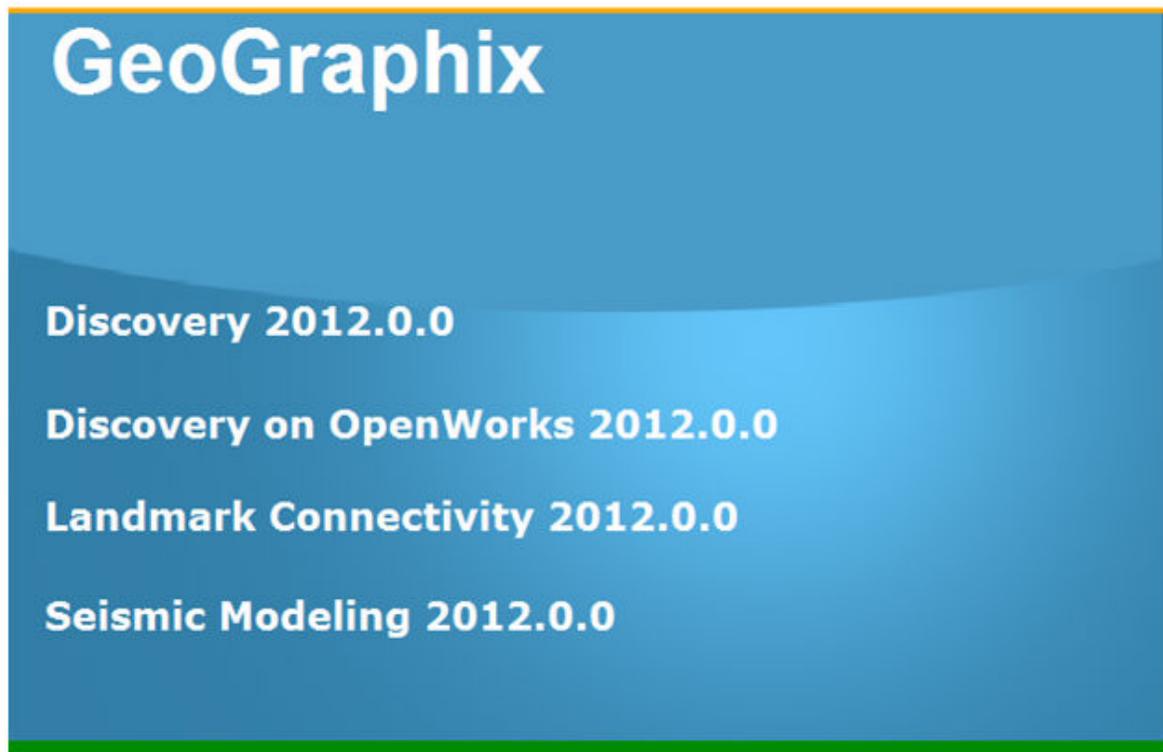
then an install option window appears .....

Click the second option, .

The Utilities screen appears.....

There are two utilities available on the Utilities screen:

- [Install PRIZM Chart Utility](#)

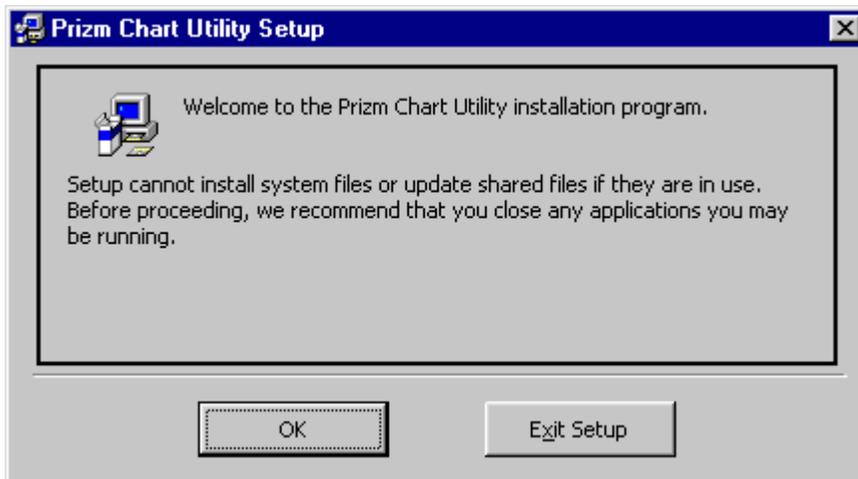- [Install SeisVision SEG-Y Trace Viewer](#)

Utilities - Install PRIZM Chart Utility

If you have downloaded the Discovery 2012.0.0 Utilities and used the default settings the PRIZM Chart Utility folder will be in the **C:\Program Files (x86)\GeoGraphix\Utilities** folder (for a typical download on **Windows® XP** 64 bit operating systems). If you have not used the default settings during the download, navigate to the folder specified for saving the Utilities. Clicking **Setup.exe** in the **Prizm Chart Utility** folder will open the Prizm Chart Utility dialog box.

If you have the Discovery 2012.0.0 DVD, insert the DVD into the DVD drive and select

 on the Utilities screen of the Discovery install screen or the release DVD to launch the PRIZM Chart Utility Setup program.
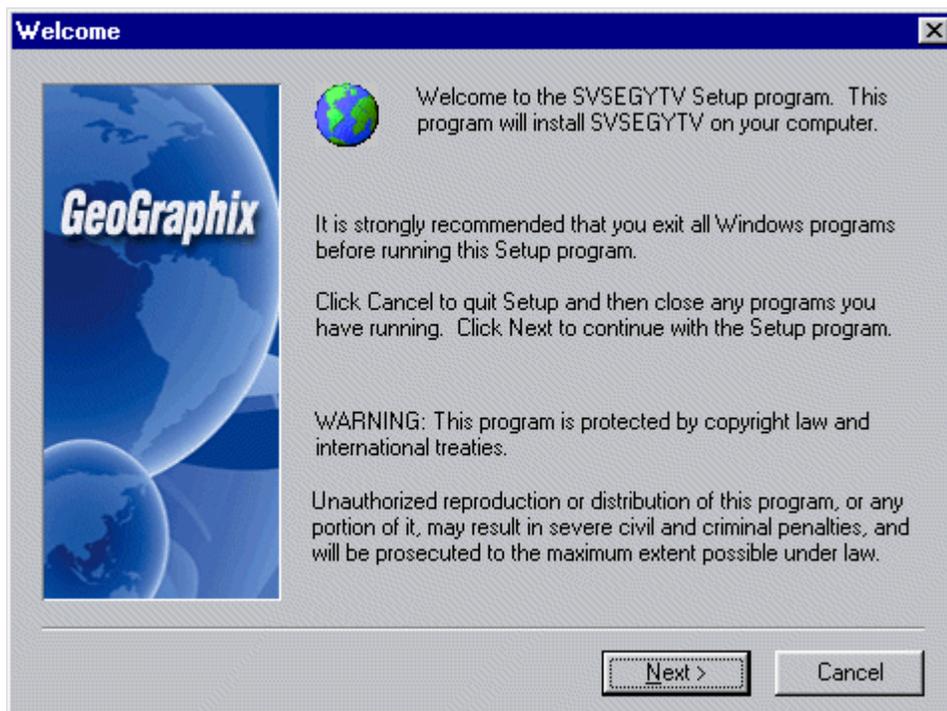
Utilities - Install SeisVision SEG-Y Trace Viewer

IIf you have the Discovery 2012.0.0 DVD, insert the DVD into the DVD drive and select

 on the Utilities screen of the Discovery install screen or the release DVD to launch the SeisVision SEG-Y Trace Viewer Setup program.

Uninstalling

Uninstalling Discovery 2012.0.0

Similar to uninstalling other Windows ® applications, Discovery 2012.0.0 can be removed from a computer using Add/Remove Programs in Control Panel.

- Uninstall Windows® 7

Windows Vista

Uninstalling Discovery 2012.0.0 in Windows 7

There are 3 simple steps to removing Discovery 2012.0.0 on a Windows ® 7 computer:

| Note:	All Discovery applications should be closed or exited before completing the following steps.

- STEP 1 - Stopping GeoGraphix Services in Control Panel Services
- STEP 2 - Getting Started with Add/Remove Programs in Control Panel
- STEP 3 - Removing Discovery Software

Uninstall Discovery in Windows 7 - STEP 1 - Stopping GeoGraphix Services in Control Panel Services

From Windows ® 7 Taskbar, use **Start >> Control Panel >> Administrative Tools >> Services** to open the Services applet window.

There are three GeoGraphix Services that should be stopped before removing GeoGraphix software:

- GGX Database Service
- GGX List Service (v2)
- GGX Network Access Service
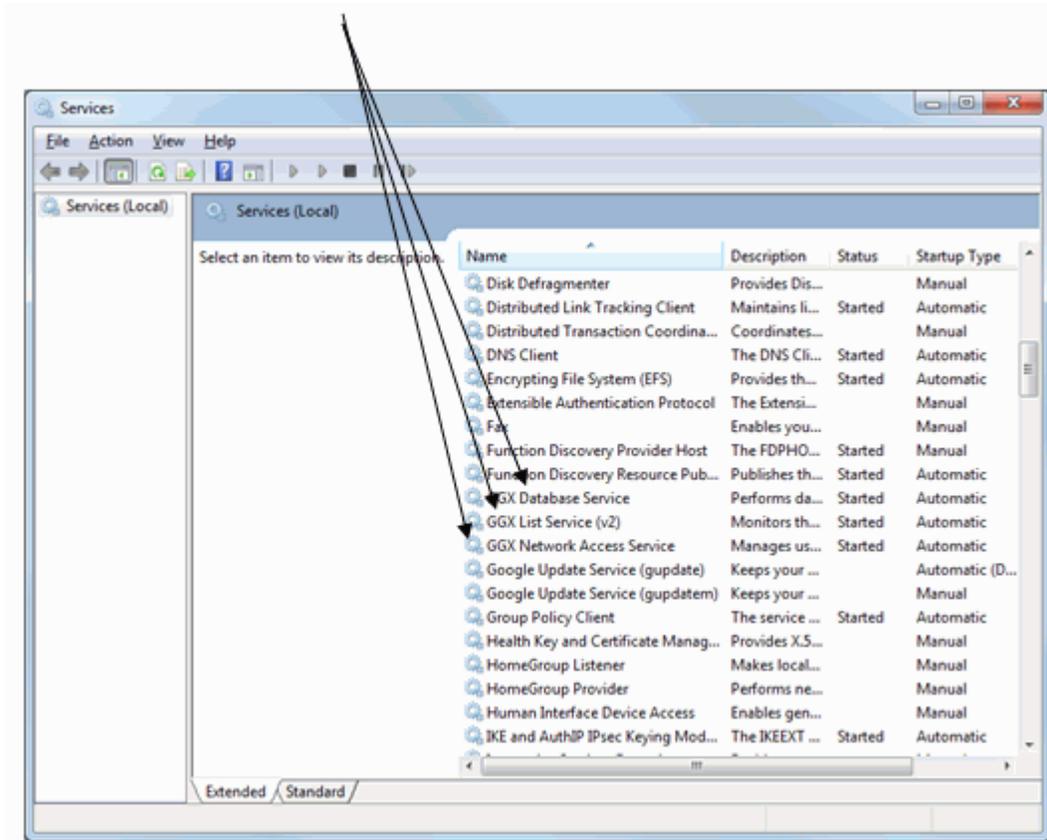
If a Service is not stopped, highlight the Service then right-click and choose **Stop** to stop the Service. All 3 Services should be stopped:
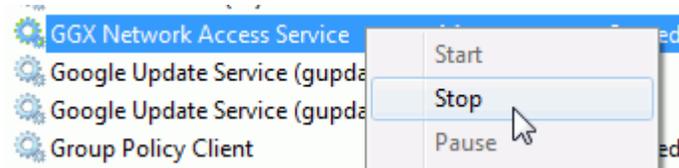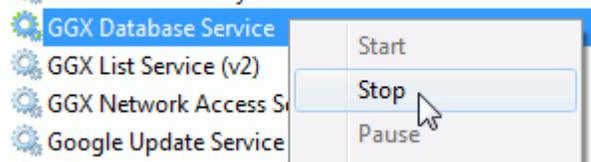
| Note:	It is recommended that the above GeoGraphix Services are stopped before removing Discovery software but if the Services are not stopped, the Discovery Uninstall program will stop Services during the uninstall/removal process.

Go to STEP 2:

Return to Beginning:

Uninstall Discovery in Windows 7 - STEP 2 - Getting Started with Programs and Features in Control Panel

To start uninstall/removal of Discovery software, open the Programs and Features applet using **Start >> Control Panel >> Programs and Features**.

In the Programs and Features window, **highlight** Discovery 2012.0.0. Right-click and select Uninstall to remove Discovery or select the Change or Repair buttons to modify or repair a Discovery install.
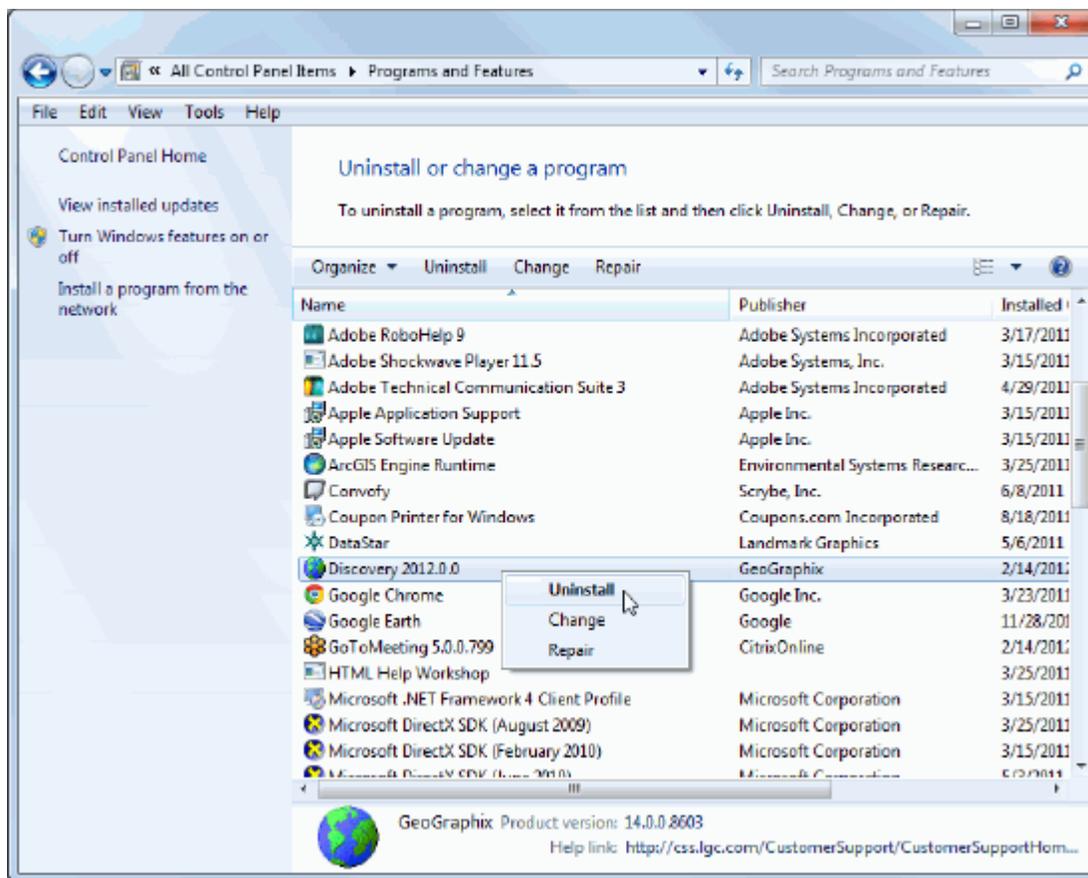
Note:	The Change button can be used to modify or repair Discovery installations. Modify can be used to add or remove specific Discovery features. Repair will re-install the Discovery software repairing any files or registry entries that may be missing or damaged.

Click the **Remove** button to proceed to the next step of removing/uninstalling Discovery software.
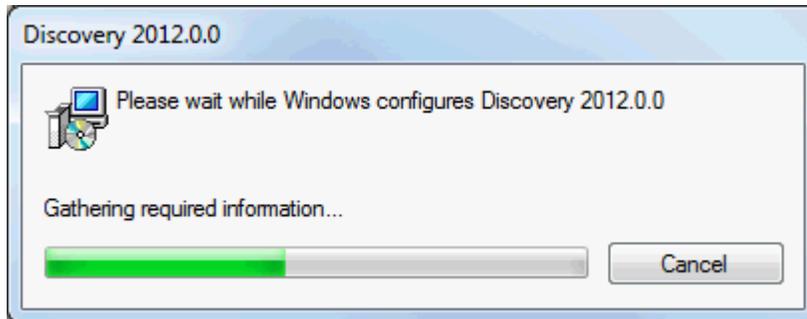
Go to STEP 3: [Removing Discovery Software](#)

Return to STEP 1: [Stopping GeoGraphix Services in Control Panel Services](#)

Return to Beginning: [Uninstalling Discovery 2012.0.0](#)

Uninstall Discovery in Windows 7 - STEP 3 - Removing Discovery Software (FINAL STEP)

After highlighting Discovery 2012.0.0 and clicking the Uninstall command in the Programs and Features window a progress bar will appear and Discovery will be removed from the computer...

Note:	Some data and project file directories may be left on the hard drive. These directories are typically the following (may be different if software was installed without default directory locations):
	  • C:\Documents and Settings\All Users\Application Data\GeoGraphix
	  • C:\Program Files\GeoGraphix

This is the last step in uninstalling/removing Discovery software from your computer.

Return to STEP 2: [Getting Started with Add/Remove Programs in Control Panel Services](#)

Return to Beginning: [Uninstalling Discovery Release 2012.0.0](#)

Contacting Technical Support

If you have questions or issues that cannot be answered by the GeoGraphix Help Systems, you can contact GeoGraphix Customer Support at various worldwide office locations.

Write:	Telephone:
LMK Resources, Inc. Denver Place, south Terrace 1995 18th Street, Suite 650 Denver, Colorado 80202, USA	North American office hours are 7:00 AM to 5:00 PM Monday to Friday, Mountain Time. Additional extended hours for support operations are provided to cover other regions across the globe. 1-877-435-7542 - Toll Free U.S. and Canada 1-713-839-2200 - Local Houston and International
E-mail:	**Website:**
Issues, questions or comments: solutions@geographix.com	General information on products and services: www.geographix.com Support site including latest updates and technical bulletins: http://css.lgc.com/CustomerSupport/CustomerSupportHome.jsp