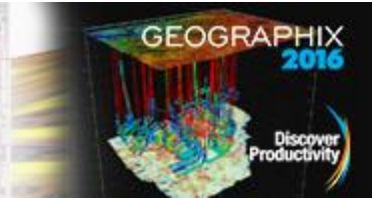




Readme for GeoGraphix Software Version 2016.1 Service Pack 1



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General Information

Date:	December 8, 2016
Products:	SeisVision, WellBase, GeoAtlas, PRIZM, smartSECTION, XSection
Version:	2016.1.1 Service Pack for GeoGraphix
ECCN:	This GeoGraphix service pack is exported under the license exception TSU
Platform:	Microsoft Windows 7 (64 bit)
Prerequisite Updates:	GeoGraphix 2016.1 must be installed
Supersedes Version:	None
Compatible Releases:	2016.1
Build Number	16.5.16201.0
Checksum for .exe (MD5)	979e5351e968eabdcf405e8dc756d793 Discovery2016.1.1setup.exe

What's in this Service Pack?

This service pack includes new features and usability enhancements. The Fixed Issues section highlights the customer reported bugs fixed in this service pack.

Service Pack Dependencies

GeoGraphix 2016.1 must be installed prior to the installation of this service pack.

New Features

The following new features are included in this service pack:

SeisVision

Highlighting Wells

Wells containing specific types of data, such as synthetics or sonic/density curves can be differentiated from other wells in SeisVision. Wells that meet the specified criteria are highlighted on the Main Map View.

WellBase

Highlighting Wells

Wells in the active seismic interpretation in SeisVision can be highlighted from WellBase.

TVDSS Values in Survey Tab

The true vertical depth values below the subsea display in the WellBase Survey tab.

Detailed Wellbore Viewer Presentation

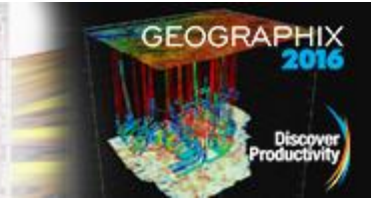
The MD, TVD, Azimuth (angle in degrees) and DLS values can be displayed along the Wellbore path.

Importing Easting and Northing Data

The WellBase spreadsheet import feature supports Easting and Northing options while importing data in the X, Y Coordinate System.



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GeoAtlas

Highlighting Wells

Wells in the active seismic interpretation in SeisVision can be highlighted from GeoAtlas.

PRIZM

Horizontal Line Cursor in Data Readout

The Data Readout tool in log view displays a black diamond with a horizontal line cursor which moves along as you hover over the log display. The depth values display in the diamond, and the respective curve values display in the curve insert area according to the position of the cursor.

smartSECTION

Predictive Search for Templates

Predictive search functionality is added to the Select Default Presentation Template dialog. A search bar is provided where you can search for the existing templates in the project.

XSection

Predictive Search for Templates

Predictive search functionality is added to the template selection dialogs. A search bar is provided where you can search for the existing templates in the project.

Fixed Issues

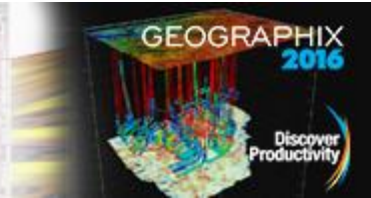
The following customer reported issues are fixed in this service pack:

SeisVision

ID	Issue Description	Fix Description
120303	Incorrect velocity model is used when the coordinate reference systems associated with the interpretation and the seismic survey are not the same.	Velocity models use the coordinate reference system associated with the interpretation instead of the coordinate system associated with the seismic file.

WellBase

ID	Issue Description	Fix Description
120443	In a scenario where a well utilizes multiple picks with different sources for a formation, the Calculate Formations tool does not use the correct source hierarchy, which results in incorrect calculation of formations.	The issue is fixed by passing the correct source list to the database and hence, the formations are calculated correctly.
120444	The Calculate Formations updates formation with UNKNOWN source when the active source list exceeds 128 characters.	The maximum length of the source list in the Database is increased due to which the Calculate Formations option displays the correct source.
121175	The project upgrade fails on encountering invalid x and y coordinates.	This issue is fixed by assigning Zero value to invalid x and y coordinates in the spatial BLOB, allowing seamless project upgrade.
120604	The Texas legal locations for imported wells do not display completely in the Scout Ticket View.	The Texas field space is increased to accommodate the full length of Texas legal location names.



PRIZM

ID	Issue Description	Fix Description
32451	Unit conversions stop working after user.glp gets corrupted.	The user.glp file corruption that resulted in the unit conversion failure is fixed, and the unit conversions are no longer interrupted.
76127	Curve created from mud parameter <MRT> turns into a huge number at depth.	Assigned proper value to Mud parameter <MRT> and it is now instantiated with default null value of -999.25, which prevents useless values in related workflows.

Installation Instructions

To install:

1. GeoGraphix 2016.1 must be installed.
2. Shutdown all GeoGraphix 2016.1 applications and services.
3. Download **Discovery2016.1.1Setup.exe** to a folder on your hard drive.
4. Right-click **Discovery2016.1.1Setup.exe**, and then select **Run as Administrator** from the context menu.

Uninstall Instructions

To uninstall:

1. Open the **Programs and Features** applet by selecting **Start >> Control Panel >> Programs and Features**.
2. Click **View Installed Updates** on the left panel of the **Programs and Features** applet.
3. Select **Discovery 2016.1.1**.
4. Right-click, and then select **Uninstall** to remove the service pack.

Files Updated

SeisVision

1. SVVelocityModelBuilder.dll (32-bit and 64-bit) version 16.5.16201.0

WellBase

1. GXGeomanager.dll (32-bit and 64-bit) version 16.5.16201.0
2. GGXDataFactory.dll (32-bit and 64-bit) version 16.5.16201.0

Project Manager

1. GXVPrjIO.dll (32-bit and 64-bit) version 16.5.16201.0

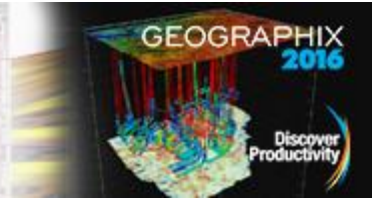
PRIZM

1. LogRend.dll (32-bit and 64-bit) version 16.5.16201.0
2. CurveAccLoaderOW.dll (32-bit and 64-bit) version 16.5.16201.0
3. CurveAcc.dll (32-bit and 64-bit) version 16.5.16201.0

Note: To view the file version, right-click the file, and select the **Properties** option from the shortcut menu. The **Properties** dialog displays. Select the **Details** tab.



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DISCLAIMER

If you have any questions or encounter any problems, please visit the **LMKR Support website**:

<http://support.lmkr.com>

Or, contact Customer Support in your region. Refer to the section [Contacting LMKR](#) for details.

Contacting LMKR Support

Our new dedicated system is accessible via local call-in numbers* and is an alternative way for you to submit a technical support case and/or speak directly with a GeoGraphix Support Analyst.

*Contact Us:

North & South America

Toll Free (US/Canada): + 1 855 GGX LMKR (449 5657)

Colombia: +57 1381 4908

United States: +1 303 295 0020

Canada: +1 587 233 4004

Europe, Middle East & Africa

UAE: +971 4 3727 999

Asia Pacific & Australian Continent

Malaysia: +60 32 300 8777

Southwest Asian countries

Pakistan: +92 51 209 7400

Support via Web Portal

You can also submit a support request directly to LMKR Customer Support by registering a case through the **LMKR Customer Support Portal**: <http://support.lmkr.com>

To request support in the LMKR Customer Support Portal:

1. In the main support page, **login** using your registered email and password. Please register your email before you access the site.
2. Select the **Case Management** tab or use the **Manage Cases** link on the main support page.
3. In the **Case Management** tab, click the **Create a New Case** link.
4. In the **Create Case** page, fill in the necessary information. Provide details about your technical concern, including any error messages, the workflow steps where the problem occurred, and attach screenshot that display the problem. You can also attach other files, such as example data files, which may help understanding the issue
5. Click the **Create Case** button. A support analyst in the nearest Technical Assistance Center will respond to your request.

We will ensure a quick and satisfactory answer to your query. If the problem cannot be resolved over the phone at the regional level, an escalation team will take over the resolution of your support case and will get back to you without delay.