GeoGraphix
Software Version 2016.1
Service Pack 2
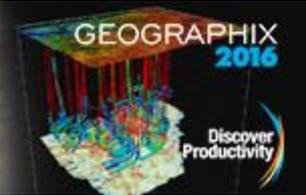
Contents

General Information

Date:	**May 09, 2017**
Products:	**SmartSECTION, XSection, PRIZM, WellBase, Zone Manager, GeoAtlas, IsoMap, QueryBuilder, WellXchange, Pro 3D, SeisVision**
Version:	**2016.1.2 Service Pack 2 for GeoGraphix®**
Build Number	**16.5.16213.0**
ECCN:	**This GeoGraphix service pack is exported under the license exception TSU**
Platform:	**Microsoft Windows 7 (64 bit)**
Prerequisite Updates:	**GeoGraphix 2016.1.x must be installed**
Supersedes Version:	**None**
Compatible Releases:	**2016.1.x**
Checksum for .exe (MD5)	**aa37ffdf81eab96f1e8d9493f2bb4f07 Discovery2016.1.2setup.exe**

What's in this Release?

This service pack addresses a significant number of fixes in different modules of GeoGraphix.

Service Pack Dependencies

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

Discovery™ on OpenWorks® Fixed Issues

The following issues are fixed for Discovery™ on OpenWorks® (DOW) in this service pack. If you are using OpenWorks 5000.10.3.02, then you must use 32-bit and 64-bit Oracle 11.2.0.4 clients.

XSection

ID	Issue Description	Fix Description
122531	The added unassigned formation tops and faults are not deleted in XSection.	The issue is resolved by using the macro assigned source to fetch the correct source name.

PRIZM

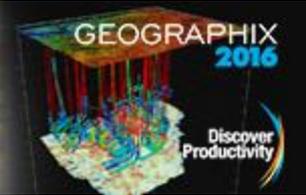| ID	Issue Description	Fix Description
122538	In PRIZM, the error message ORA-00904 displays on saving a template in the wells template.	The issue is resolved by modifying the annotation save process in OpenWorks.
122540	In PRIZM, an Enter Integer error displays on changing the vertical scale of depth track.	This issue is resolved by allowing the user to place 5 (limited up to 20000 in case of English units, and 10000 for Metric projects) integers in each type of Horizontal Grid Lines by editing the values in the thick, medium, and thin boxes.
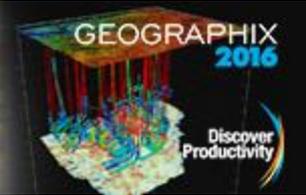
WellBase

ID	Issue Description	Fix Description
127964	The error WBLyrCr generates on creating a WellBase layer with Zone Attribute Value Posting.	The code is fixed, and hence, the layer is created correctly without generating any error messages.
128079	An error generates on selecting a well from a GeoGraphix Database project in which the data has been transferred from an OpenWorks project.	This issue is fixed by selecting a single survey instead of multiple surveys from WellSurveyDir.
123038	In WellXchangePlus, a GGXDataFactory error occurs when transferring deviation survey data from OpenWorks to the GeoGraphix Database.	The issue is resolved by adding the missing column in the SQL query executed for OpenWorks.
122094	The error ORA-01410 displays on creating either WellBase or IsoMap layers from WellBase and Zone Manager.	The issue is resolved by changing the recordset to opentype.
121477	An instance already exists error displays on adding a pick in the OpenWorks Data Domain Manager.	The issue is resolved by making minor changes in the query.
122528	When creating Composite formations in WellBase, the application displays an error.	The issue is resolved by applying a check on the Surface Key before entering the Surface Unit in Formation Lookup Trigger.
122524	The Coordinates Transfer option in WellBase did not show correct transformations.	In the case of XY coordinates, the issue is fixed by changing the database coordinate system to interpretive coordinate system.
121535	An instance already exists error displays on adding a Strat unit in the OpenWorks Data Domain Manager.	The issue is resolved by incrementing the key in OpenWorks.

GeoAtlas

ID	Issue Description	Fix Description
122496	The extents are blown on creating IsoMap layers from Zone Manager data.	The issue is resolved by matching Map Coordinates with the Display Coordinates.

Zone Manager

ID	Issue Description	Fix Description
120869	ZoneManager and WellBase crash when launched from OpenWorks.	The issue is fixed by stopping the record count in case of zones.
120868	When creating a WellBase layer with a Zone Attribute value, the invalid ROWID error generates.	The issue is resolved by applying CRecordset to opentype when the user is working on the OpenWorks platform.
126972	In ZoneManager, the users are unable to add zones and their associated zone attributes.	The issue was resolved by changing the recordset to opentype.

QueryBuilder

ID	Issue Description	Fix Description
124297	For IP projects, Query Builder does not display correct coordinates in WellBase.	The issue is resolved by transforming Lat Long values to the XY coordinate system.

WellXchange

ID	Issue Description	Fix Description
123613	An error generates on transferring Deviation Survey data from OpenWorks to GeoGraphix Database using the WellXchangeplus utility.	The SQL query executed for OpenWorks is fixed, and the data transfers seamlessly to GeoGraphix Database using the WellXchangeplus utility.

Discovery™ Fixed Issues

The following Discovery issues are addressed in this service pack:
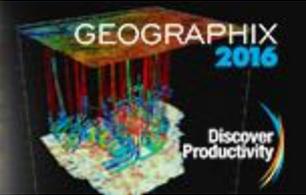
SmartSECTION

ID	Issue Description	Fix Description
129588	Exceptions are generated on loading projected cross sections with deviated wells if the closest point of the well and surface is not obtained correctly.	A new method is used to obtain the closest point on a surface for a given 3D segment, hence, the exceptions no longer generate.
123958	Setting up a clipping range with downhole postings breaks the log view in a cross section.	The code is fixed, and the log view no longer breaks.
125481	The template displays missing sections along the deviated well-bore path.	The validation of the transformation of the deviated well-bore path template section no longer prevents some section(s) to be displayed (drawn) on the screen.

GeoAtlas

ID	Issue Description	Fix Description
121240	The georeferenced TIFF files generate the SetLayerRasterTransparency error.	The RGB values for TIFF files are read correctly, hence, the error no longer generates.
128838	The Spreadsheet Import feature does not work with a client specific project.	This issue is resolved by adding an exception for the operation timeout.

WellBase

ID	Issue Description	Fix Description
122889	The scrolling between wells is slow in GeoGraphix 2016.1 as compared to GeoGraphix 2015.1.	The code is updated to improve the performance.
126824	The performance of the Find tool is slow in GeoGraphix 2016.1 as compared to GeoGraphix 2015.1.	The code is updated to improve the performance.
129095	The Texas Legal polygon does not show the column for Section in WellBase.	This issue is resolved by fixing the columns of the Survey Polygon dialog.

IsoMap

ID	Issue Description	Fix Description
125821	The volume is not calculated for polygons matching the grids clipping/boundary polygon.	The cells with null values are excluded from calculations, which results in the volume being calculated properly.
126364	After importing the Z-Map Plus Grid file into IsoMap, the resulting grid does not contour. This feature was working fine in GeoGraphix 2015.1.	This issue is fixed by obtaining the correct Z value for each cell in calculations.
130113	Manually editing a group of grid cells does not work properly. This feature was working fine in GeoGraphix 2015.1. In addition, the edited grid nodes cause Grid Operations and Volume Calculation to fail.	This issues is fixed by obtaining the correct Z value for each cell in calculations.
129393	The gridded layers from SmartSection do not recontour, and export incorrect grid values to Z-Map Plus and XYZ formats.	This issue is fixed by obtaining the correct Z value for each cell in calculations.
122847	Identical grid operation workflows are slower in GeoGraphix 2016.1 as compared to GeoGraphix 2015.1.2.	This issue is resolved by modifying the grid cell creation process.

Pro 3D

ID	Issue Description	Fix Description
129628	The performance of WellBase decreases on activating quick filters in GeoGraphix 2016.1 as compared to GeoGraphix 2015.1.	The code is updated to improve the performance.

SeisVision

| ID	Issue Description	Fix Description
122001	On upgrading a project from GeoGraphix 2015.1 to GeoGraphix 2016.1, and then, on transferring the seismic and well data from SeisVision to GVERSE™ Predict3D™, the LAS files of selected wells did not move to the Predict3D workspace.	The Select All option for sending well logs from SeisVision to the Predict3D workspace functions correctly.

Install Instructions

To install:

1. GeoGraphix 2016.1.x must be installed.
2. Shutdown all GeoGraphix 2016.1.x applications and services.
3. Download **Discovery2016.1.2Setup.exe** to a folder on your hard drive.
4. Right-click **Discovery2016.1.2Setup.exe**, and then select **Run as Administrator** from the context menu.
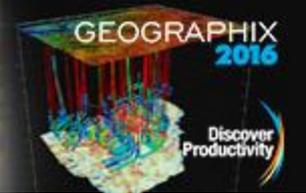
Uninstall Instructions

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 2016.1.2**.
4. Right-click, and then select **Uninstall** to remove the service pack.

Files Updated

SmartSECTION
gsSS3DCommon.dll (32-bit & 64-bit) version 16.5.16213.0

XSection
GesXSect.exe (32-bit) version 16.5.16213.0

PRIZM
Prizm.exe (32-bit) version 16.5.16213.0
CurveAccLoaderOW.dll (32-bit & 64-bit) version 16.5.16213.0
CurveAcc.dll (32-bit & 64-bit) version 16.5.16213.0

WellBase
WellBase.exe (32-bit) version 16.5.16213.0
GGXDataFactory.dll (32-bit & 64-bit) version 16.5.16213.0
OwdbApi.dll (32-bit & 64-bit) version 16.5.16213.0
GxBasic.dll (32-bit & 64-bit) version 16.5.16213.0
GxWinUtil.dll (32-bit & 64-bit) version 16.5.16213.0

Zone Manager
ZMLoaderOW.dll (32-bit & 64-bit) version 16.5.16213.0
ZImpExp.dll (32-bit & 64-bit) version 16.5.16213.0

GeoAtlas
AOLib.dll (32-bit & 64-bit) version 16.5.16213.0
SMEngine.dll (32-bit & 64-bit) version 16.5.16213.0
MapUtil.dll (32-bit & 64-bit) version 16.5.16213.0
GeoObjects.dll (32-bit & 64-bit) version 16.5.16213.0
GeoRender.dll (32-bit & 64-bit) version 16.5.16213.0

IsoMap
IsoMap.dll (32-bit & 64-bit) version 16.5.16213.0

QueryBuilder
QueryBuilder.exe (32-bit) version 16.5.16213.0

SeisVision
LMKR.Internal.Data.Geographix.dll (32-bit & 64-bit) version 16.5.16213.0

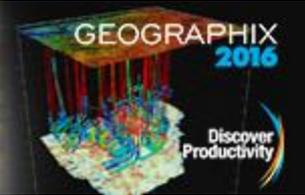### Project Manager
GXVPrjIO.dll (32-bit & 64-bit) version 16.5.16213.0

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.

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

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)
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United States: +1 303 295 0020
Canada: +1 587 233 4004

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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.