LI Contour v7.2
Changes and Improvements
September 2006

Version 7.2 - September 2006

✓ Added a textual coordinate editor. This is activated by the 'Text Editor' command in the Coordinate Editor. It is a spreadsheet style coordinate editor. Most of the commands in the Coordinate Editor are also available in the text editor.

✓ Added the "Reopen Surface" command to the File Menu. This option lists the last 10 surface model file names.

LI Contour v7.1
Changes and Improvements
August 2006

Version 7.1 introduces "Discover" to the world of Windows! While no major changes were made to LI Contour, the addition of Discover's mapping and analysis capabilities greatly increase LI Contour's adaptability for other uses besides contour mapping and volume calculations. The following is a list of the improvements and changes to make version 7.1 of LI Contour & LI Contour V+.

Version 7.1 - August 2006

- ✓ Added the capability to access the "Discover" mapping and analysis options. Discover is a special set of mapping options for water flow analysis, slope analysis, watershed area analysis, and 3-D viewing animation.

- ✓ When drawing a point map, the ability to draw the survey travel path was added. It can be drawn with either lines or arrows.

- ✓ The "Query Point" command now has an option to move the cursor to the point.

- ✓ Added "(unmodified)" indicator to the main windows' title bar when the current data file has been saved and not changed.

LI Contour v7.0
Changes and Improvements
March 2005

Version 7.0 introduces LI Contour to the world of Windows! While LI Contour's user interface has undergone a complete make over, its fundamental capabilities have not. The following is a shortened list of the improvements and changes to version 7.0 of LI Contour & LI Contour V+.

- ✓ Conversion of the program from DOS to Windows.

- ✓ Increased point capacity to over 32000 points.

- ✓ Dramatic increase in speed of calculations.

- ✓ New 'Auto Process' command.

- ✓ New 'Single Surface Volume' command. (LI Contour V+)

- ✓ Automatic point number tracking.

- ✓ Control for line widths, and greater control for map entity colors and CAD layers.

- ✓ Two styles of title boxes for printed output.

- ✓ Automatically loads the last used file when starting.

- ✓ Text and point marker sizes can be preset, based on preset scales.

- ✓ Breakline numbers may be drawn. Breaklines may also be queried to display its end points X, Y, Z coordinates, the lines length, slope, and angle from North or East.

- ✓ DXF output can automatically use 3-D polylines when appropriate (I.e. 3-D Surface grids, surface border, etc.)

- ✓ Added support for General CADD Macro files.

- ✓ MANY OTHER ADDITIONS AND IMPROVEMENTS!

The next page contains more detailed explanation of these and other additions and improvements to the new version of LI Contour and LI Contour V+.

Additions to LI Contour v7.0 include:

1. Conversion of the program from DOS to Windows. This includes changing the user interface to be compatible with Windows 95 and newer operating systems. Notable new capabilities include the ability to use long file names, any video resolution, and any printer supported by Windows.

2. Increased point capacity to 32000 (32767) points.

3. New 'Auto Process' command. Settings for loading coordinate files, border files, and breakline files can be preset. Then, when the 'Auto Process' is started, the program goes through the basics steps of loading the coordinate data, border data (if available), breakline data (if available), verifying for duplicate points, creating the border, and triangulating the data.

4. New 'Single Surface Volume' command. (LI Contour V+) This command greatly simplifies the common process of using a stock piles border as the 'existing' surface. When the command is executed, the program automatically creates the 'border' surface, and does the volume calculations. There is no longer a need to manually create the 'border' surface.

5. New 'Point Tracking' can display the point number of the point nearest to the mouse cursor and to the cross hair cursor.

6. Cursor tracing is now performed for both the mouse cursor and the cross hair cursor.

7. The cross hair cursor may be drawn normally (lines one unit wide) or enhanced (lines three units wide). This has the effect of 'bolding' the cursor.

8. Greater control for map entity colors. This adds greater control of CAD layer/color control.

9. Control for line widths when drawn on the screen or printer.

10. Screen and printer output can now include either title boxes at the bottom of the map or title information as a header for the map.

11. When the program is started, it can automatically load the last file that was used.

12. Text sizes and point marker sizes can be preset, based on preset scales.

13. Breakline numbers can be drawn on the map. Breaklines can also now be queried thus displaying all information about a breakline. Information displayed includes the XYZ coordinates of both end points, the length, the slope, and the angle from North (or East) of the breakline.

14. DXF output can intelligently use normal or 3-D polylines. If set to use 3-D polylines, the

border, triangulation, breaklines, and 3-D surface grid maps will all use 3-D polylines. Everything else is drawn as normal polylines.

15. When querying points or breaklines, it is now possible to display the next or the previous point/breakline information.

16. Added a new command to allow defining the border by specifying the beginning and the ending points of the border.

17. Added a new command to allow adding a series of breaklines by specifying the beginning and the ending points for the series.

18. The <*><arrow> and <*><+/-> key combinations have been replaced by <shift><arrow>, <shift><+>, and <shift><->.

19. When drawing point markers and point numbers, labels, or elevation, their size on the screen can be kept constant when zooming.

20. Added support for General CADD Macro files. These files are very similar to Generic CADD batch files. General CADD is advertised as a Windows version of Generic CADD.

21. On the screen, the map background color may be set to either black or white.

Features That Are Now Obsolete:

1. Text based editors for coordinate, border, and breakline information.

2. Support for AutoCAD versions Release 12 and earlier.

3. Support for GenericCADD version 5.0

4. Next/Previous system when inserting a point into the border.

5. Old Border command.

6. Setup: Printed lines per page for text output.

7. Direct support for pen plotters. Now supported through Windows printer drivers.

8. Support for LANDIMPROVE v3.1 and earlier (XYZ) data files.