UNITED STATES DEPARTMENT OF THE INTERIOR

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VERMONT LANDSLIDE MAP: DIGITAL VERSION, A DIGITAL DATA SET FOR IBM PC AND COMPATIBLE MICROCOMPUTERS

by

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INTRODUCTION

This data set includes five floppy disks that can be used to generate a 1:250,000 scale landslide map of the State of Vermont. Disk 1 is a system disk used to execute the GSMAP program (Selner and Taylor, 1989). Once the GSMAP menu is displayed, the system disk may be put aside, and the four data disks can be used to plot the map. These disks can be copied onto a hard disk in your computer for ease of use. If a hard disk drive is not available, this program will run on a single 5 1/4" 360 Kilobyte floppy disk drive. For more information, access the README file on the system disk. To display this file, go to the system disk or the directory containing the Vermont landslide files, then type: TYPE README on the DOS command line. Press <ENTER> and use the PAUSE or CONTROL-NUM LOCK keys to read one screen full at a time. The user can also print this file with the DOS Print command.

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REQUIRED HARDWARE

To run this program, an IBM PC XT or AT or compatible microcomputer equipped with a DOS version 2.1 or higher operating system is required. This program will plot on the computer's monitor. To obtain a hard copy, a plotter such as the Hewlett Packard Draftmaster I can produce a full scale map. A digitizing board such as the GTCO Digi-Pad 2436L can be used to update landslide data in this program. This pad will handle 24" x 36" sheets. Using a 16-button key pad digitizing cursor will simplify digitizing.

DISK CONTENTS

Disk 1 of 5 - B

- GSMAP.EXE - executable file to prepare system for plotting data files.
- CONFIG.SCR - configures the screen to plot the data.
- CONFIG.PLT - configures the plotter to work with the computer.
- CONFIG.DIG - configures the digitizer to work with the computer.
- README - contains program documentation.

Disk 2 of 5 - C

- CONFIG.PLT - same as disk 1.
- CONFIG.DIG - same as disk 1.
- VTLS.PLT - Plotter file for plotting landslide data files.
- VTLS.PRJ - Projection file; contains UTM data to control position of latitude/longitude positions of plot points.
- VTLS.TXT - Text file. Plots alphanumeric text on map.

*.FNT - Font files for the various fonts plotted on the map.
VTLS2.* to VTLS8.* - Data files used to plot discrete landslide types and polygons within which various landslide types are possible. * = NDX - Index files; LSF - Entries containing plotted points in latitude and longitude.

Disk 3 of 5 - D

VTLS1A.* - Index and data files used to plot a portion of the VTLS1 data files.
VTLS.PLT and VTLS.PRJ - To facilitate plotting when a single floppy drive is used. This cuts out the need to use the system disk to plot these data.
CONFIG.PLT and CONFIG.DIG - To ease configuring the plotter and digitizer to plot and digitize data on this disk without the need to revert to the system disk before performing these operations.
0.FNT, 3.FNT and 5.FNT - Can be used if it is desired to add new alphanumeric information with this disk in place during digitizing.

Disk 4 of 5 - E

VTLS1B.* - Same as disk 3.
VTLS.PLT and VTLS.PRJ - Same as disk 3.
CONFIG.PLT and CONFIG.DIG - Same as disk 3.
0.FNT, 3.FNT and 5.FNT - Same as disk 3.

Disk 5 of 5 - F

VTLS1C.* - Same as disk 3.
VTLS.PLT and VTLS.PRJ - Same as disk 3.
CONFIG.PLT and CONFIG.DIG - Same as disk 3.
0.FNT, 3.FNT and 5.FNT - Same as disk 3.

PROGRAM NOTES

Vermont Landslides is designed to run on less than 360 K of random access memory (RAM). This program was filtered and tested a number of times. Some tests produced extraneous lines across the map or incomplete polygons. It was determined after studying the entries for coordinate errors that the problems were in the electronics and not the software. If the user experiences similar problems, generate another copy or check for problems in your hardware.

It may be desired to speed up the plotting process when a particular plot is using only the beginning portion of the .PLT file. Rather than wait for the entire plot file to run to the end, hold down the F9 key for a few seconds then press the Q (quit) key twice. The scrolling of the plot file should stop. Press the <ENTER> key three times when the prompt REPLOT A SINGLE ENTRY is displayed. This will set the menu for entry of another data base name.

REFERENCE CITED

Selner, G.I. and Taylor,R.B., 1989, GSDRAW and GSMAP system Version 6.0: Graphics programs and utility programs for the IBM PC and compatible microcomputers to assist compilation and publication of geologic maps and illustrations: U.S. Geological Survey Open-File Report 373A, documentation, 156 p., and 373B, program disks (5).