

1_README.TXT

Dynamic Computer Model for the Metallogenes and Tectonics of the Circum-North Pacific

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QUICK START

For those already familiar with Windows Media Player and who have this program on their computer, go directly to the file withstops.avi in directory \dynamod. Double click on this file to start the start-stop version of the dynamic computer model for metallogenes and tectonics, or double click on

file nonstop.avi to start the continuous version of the computer model for tectonics.

For those already familiar with QuickTime Movie Player, and who have version 5 or higher on their computer, go directly to the file withstops.mov in directory \dynamod. Double click on this file to start the start-stop version of the dynamic computer model for metallogenesis and tectonics, or double click on file nonstop.mov to start the version of the continuous version of the dynamic computer model for tectonics.

For those persons who want to read the complete documentation about this CD-ROM, and who are already familiar with Adobe Acrobat Reader and who have version 5.0 or higher on their computer, or Microsoft Word 6 or higher on their computer, go directly to the file OF01-261.PDF or OF01-261.doc, respectively.

INTRODUCTION

This readme file describes the digital files on this CD-ROM report that consist of a dynamic computer model, various explanatory materials, and various background publications, including terrane and overlap assemblage, mineral deposit, and metallogenic belt maps, and an article on the tectonic evolution of the region. The dynamic computer model is one of the final products for the project on Mineral Resources, Metallogenesis, and Tectonics of the Russian Far East, Alaska, and the Canadian Cordillera (simplified herein to Circum-North Pacific). The tectonic part of the dynamic computer model on this CD-ROM is derived from a major analysis of the tectonic evolution of the Circum-North Pacific which is also contained on this CD-ROM in directory \tectevol.

FILES ON CD-ROM AND DATA ORGANIZATION

At the root (base level) of this CD-ROM are the 1_README.TXT file and the documentation for this preliminary publication (OF 01-261.DOC and OF 01-261.PDF).

The dynamic computer model is in Windows Media Player format (*.avi). Explanatory materials, including explanations, tables, and a companion article are in Word 6 format (*.doc) and Adobe Acrobat Reader format (*.pdf). Plain-text files are in ASCII (*.txt). Maps are in Adobe Acrobat Reader format (*.pdf) and PostScript format (*.ps).

The directories on the CD-ROM, including the dynamic computer model, maps, tables, and articles, are stored in the following directories under the indicated file name. In alphabetical order, the files are described as follows.

DIRECTORY \Acrobat - FILES FOR INSTALLING ADOBE ACROBAT READER

The directory \Acrobat contains installers for Adobe Acrobat Reader 5.0 for both Windows (PC directory) and Macintosh (Mac directory). The installers are provided on this CD, or can be downloaded as the latest version of Adobe Acrobat Reader, free, via the Internet from the Adobe homepage on the World-Wide Web at <http://www.adobe.com/>.

DIRECTORY \dynamod - DYNAMIC COMPUTER MODEL

The directory \dynamod contains the dynamic computer model in Windows Media Player format (*.avi) and Quicktime format (*.mov), and explanatory files in Word and Portable Document (*.PDF) Formats. For detailed instructions on starting the dynamic computer model and displaying associated files that explain the computer model, refer to the detailed instructions in OF01-261.doc

or OF01-261.pdf. With installation of the Adobe Acrobat Reader program, provided on the CD-ROM, the explanatory files in PDF format can be viewed or printed by double-clicking on the file names ending in .pdf or can be viewed in Word or another compatible word-processing program. The various explanatory files are included to provide viewers with information on explanation of the graphic elements of the model, summary table of metallogenic belts, detailed table of metallogenic belts, and a description of the major metallogenic and tectonic events for the computer model.

With the Windows Media Play program, or installation of the QuickTime Movie Player program, version 5.0.2, provided on the CD-ROM, the Windows Media Player files (*.avi) or the QuickTime Movie Player files (*.mov) can be viewed on both Windows or Macintosh computers. For easier manipulation of the computer model, the files can be copied onto a hard drive. Viewing from a hard drive will permit manual reversing of the computer model.

In alphabetical order, the file names and purposes for the files in directory \dynamod are as follows.

beltsum.pdf

Summary table of metallogenic belts, major mineral deposit types, and tectonic environments for each of 14 time stages. This table is designed to be printed and placed to the side of the computer monitor for easy reference while viewing the computer model. This table is a summary version of dettab.pdf, described below.

descrip.pdf or descrip.doc

Description of major metallogenic and tectonic events for each of 14 time stages that were used to construct the dynamic computer model.

dettab.pdf or dettab.doc.

Detailed table of metallogenic belts, mineral deposit types, environment, host unit, and tectonic event. This table is derived a study in preparation on the metallogenesis of the Russian Far East, Alaska, and the Canadian Cordillera.

modexplan.pdf or modexplan.doc

Graphical explanation of symbols and colors in dynamic model. This file can be display on a computer monitor to the side of the dynamic model, each in separate windows.

nonstop.avi or nonstop.mov

Dynamic computer model for tectonics of the Circum-North Pacific. This version of the computer model displays a continuous model for tectonics. The model is based on 14 separate time-stages, starting in the Devonian and ending in the Present. The model runs continuously, although can be stopped and resumed with the controls on the Windows Media Player or QuickTime Movie Player.

withstops.avi or withstops.mov

Dynamic computer model for metallogenesis and tectonics of the Circum-North Pacific. This version of the computer model displays a continuous model for both metallogenesis and tectonics. The model is based on 14 separate time-stages, starting in the Devonian and ending in the Present. The model pauses for a few seconds for each time stage in order to display map units and metallogenic belt abbreviations. The model can be stopped and resumed with the controls on the Windows Media Player or QuickTime Movie Player.

DIRECTORY \Quicktime- FILES FOR INSTALLING QUICK TIME MOVIE PLAYER

The directory \Quicktime contains files for installing QuickTime Movie Player version 5.0.2 for both Windows and Macintosh. Quicktime Movie Player from Apple Computers will display *.avi files (Windows Media Player format files) for Mac OS and Windows.

DIRECTORY \tectevol - TECTONIC EVOLUTION ARTICLE

The directory \tectevol contains digital files for text and figures for the U.S. Geological Survey Professional Paper 1626 on the Phanerozoic Tectonic Evolution of the Circum-North Pacific. This paper provides essential data and interpretations for the tectonic interpretations for the dynamic model. The complete paper is provided in Adobe Acrobat format (pp1626.pdf) and the text of the paper is provided in Word 6 format (pptext.doc). The figures for the paper are provided in Adobe Acrobat (*.pdf), Corel Draw 9 (*.cdr), and Adobe Illustrator 7 (*.ai) formats. With Word or Adobe Acrobat Reader installed, the files can be viewed and printed by double-clicking on the file name on the CD-ROM.

The Professional Paper is also available for free downloading on the World-Wide Web at <http://geopubs.wr.usgs.gov/prof-paper/pp1626/>

SYSTEM REQUIREMENTS

The data and text on this CD-ROM require either an IBM or compatible personal computer or a Macintosh or compatible computer. The PC should have a Pentium(R) II or higher processor (Pentium III recommended), Microsoft(R) Windows(TM) 95 OSR 2.0, Windows 98 SE, Windows Millennium, Windows NT(2) 4.0 with Service Pack 5, or Windows 2000, 64 megabytes RAM (128 MB recommended). The Macintosh should have a PowerPC(R) processor running Mac OS software version 8.6, 9.0.4, 9.1, or OS X; some features of Acrobat 5.0 may not be available for OS 8.6 and OS X due to OS limitations.

Both platforms should have 64 or more megabytes of RAM (128 recommended), a monitor that can display 256 colors (16.7 million colors recommended), and a CD-ROM drive. On both platforms, Adobe Acrobat Reader 5.0 or higher (5.0 included on this disc for Windows and Macintosh) or other software is needed that can translate PDF files, and a program that can display Windows Media Player (*.avi) files. Windows Media Player is part of Windows 98, 98, NT. In addition, QuickTime Movie Player 5.0.2 for Macintosh and Windows computers is included on this CD-ROM.

Because Windows Media Player and QuickTime Movie Player are not available for UNIX computers, the dynamic computer model on this CD-ROM cannot be displayed on these machines.

DISCLAIMERS

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