

Appendix 3

The TANGPATH Model

Introduction

TANGPATH is a computer program for calculations and visualization of particle trajectories in Lake Tanganyika with special emphasis on rivers Malagarasi and Lufubu regions.

The program was developed during the execution of special studies in the UNOPS Project, "Pollution Control and Other Measures to Protect Biodiversity of Lake Tanganyika" (RAF/92/G32), Lake Tanganyika Biodiversity Project (LTBP). The implementation of the work was carried out through an Inter-Agency Agreement (IAA) between the UNOPS and FAO ("Lake Tanganyika Research for Fisheries Management").

Further details can be found in the report Flow, Thermal Regime and Sediment Transport Studies in Lake Tanganyika (Editor T. Huttula). Kuopio University Publications C. Natural and Environmental Sciences 73. 1997. 173 pp. ISBN 951-781-711-8. ISSN 1235-0486 (see above for link to this report). This gives details as to how copies of the TANPATH model can be obtained though it can be downloaded from this web site.

Hardware requirements

TANGPATH is a PC/Windows based application, which uses graphical interface for displaying of vector fields and organising a dialog with a user. The program is written in Microsoft Visual Basic 3.0.

Installation procedure

The program requires PC AT (386 processor or higher) computer with installed Windows version 3.0 or later. For better performance numerical co-processor is recommended. To install a program either

a) insert a distribution diskette (3.5"-2HD, 1.44 Mb) into drive A: or B:. In Windows choose Run from File menu, type a:setup and click OK, or double-click setup.exe from File Manager. Setup program asks for directory where you want program to be installed, expands packed files and copies them on the destination drive. It may happen that some of the files, like VBRUN300.DLL, COMMDLG.DLL are already installed in your Windows\System subdirectory. Setup will cancel installation procedure in this case. It is recommended to remove these files in some other subdirectory and repeat installation again.

or b) download the 8 diskette files from the web page (see above). Download each file to a folder on your computer called TANGPATH. Double-click on each of the 8 files to expand their contents. Then to install the software, double-click on the file '**Setup.exe**'. Follow the instructions onscreen. When finished, run the .exe file in the TANGPATH directory. This requires **Error! Bookmark not defined.** software.

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