Appendix B

INITIAL CALL FOR MODEL DOCUMENTATION

Contents

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From rjs@ce.berkeley.edu Tue Feb  4 09:52:19 1997
Date: Tue, 4 Feb 1997 09:52:16 -0800 (PST)
From: "Rodney J. Sobey" <rjs@ce.berkeley.edu>
Reply-To: sobey@ce.berkeley.edu
To: Model Review Participants
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Subject: Initial Call for Model Documentation
Message-ID: <Pine.ULT.3.91.970204095010.18324A-100000@dec-9.CE.Berkeley.EDU>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII
Status: RO
X-Status:

SFO Bay-Delta 1-D Model Review
4 February 1977

TO: David Briggs  [re Model A]
    Francis Chung [re Models B,C]
    John DeGeorge [re Models D,E]

RE: INITIAL CALL FOR MODEL DOCUMENTATION
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It is my understanding that there are possibly 5 model systems that will be considered in this review. Each model system is expected to provide predictions that meet the model definition outlines in Appendix I to this letter.

The initial list of candidate models is
A. Fischer model
B. DWR DSM1
C. DWR DSM2
D. RMA Link-Node
E. RMA "FEM"

The review will be undertaken in accord with the BAY-DELTA MODELING FORUM - GUIDELINES FOR A PEER REVIEW PROCESS. These guidelines recognized that "modeling is an ongoing process" but that this initial review must focuss on a static model.

This letter is the formal initiation of step 4 of the Peer Review Process, which is ASSEMBLE MODEL, DOCUMENTATION AND DATA. Could you please now provide this documentation, at your earliest convenience.

Note that the GUIDLINES intend that the documentation includes the "actual model, if it is sufficiently portable." Availability may be a sensitive issue (?source code or platform-specific executible or not available). Portability (MSDOS, MAC, UNIX platforms; different compilers) is another important consideration. Both are significant issues to potential users. Provision of the code at this time will also identify a static version of the model. In this first call for documentation, I am not requesting code but I do ask for a POSITION STATEMENT from each of you on this matter.

Please provide TWO(2) sets of documantation, one addesssed to me and the other to Hubert Morel-Seytoux at the ADDRESSES listed in Appendix II.

Regards
Rod Sobey
Team Leader

APPENDIX I ##########
DEFINITION OF 1-D HYDRODYNAMIC/MASS TRANSPORT MODEL SYSTEMS

1.PHYSICAL PROBLEM
Unsteady flow and conservative contaminant transport in a network of tidal

channels.

2.FORCING
Downstream tide and upstream river hydrographs.

3.SPACE AND TIME RESOLUTION
Adequte resolution of tide and flood hydrographs.

4.FIELD EQUATIONS
Mass conservation for water.
Momentum conservation for water.
Mass conservation for conservative contamionant.

5.CHANNEL GEOMETRY
Space and time variable.

APPENDIX II ############
ADDRESSES for MODEL DOCUMENTION

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