

SOFTWARE RELEASE NOTICE

1. SRN Number: GHGC-SRN-131		
2. Project Title: Isothermal Flow		Project No. 20-5708-862
3. SRN Title: PORFLOW Version 2.50		
4. Originator/Requestor: Robert Brient		Date: 6/14/2000
5. Summary of Actions <ul style="list-style-type: none"> <input type="checkbox"/> Release of new software <input type="checkbox"/> Release of modified software: <ul style="list-style-type: none"> <input type="checkbox"/> Enhancements made <input type="checkbox"/> Corrections made <input type="checkbox"/> Change of access software <input checked="" type="checkbox"/> Software Retirement 		
6. Persons Authorized Access		
Name	Read Only/Read-Write	Addition/Change/Delete
Gordon Wittmeyer Budhi Sagar Robert Baca Ross Bagtzoglou Mikko Ahola Ashok Nedungadi Stuart Stothoff Sitakanta Mohanty Ron Green Peter Lichtner		
7. Element Manager Approval: <i>Gordon Wittmeyer</i>		Date: <i>6/15/2000</i>
8. Remarks: <i>This version of PORFLOW has been replaced by a new version.</i>		

SOFTWARE RELEASE NOTICE

01. SRN Number: GHGC-SRN-131		
02. Project Title: Isothermal Flow		Project No. 20-5708-862
03. SRN Title: PORFLOW Version 2.50		
04. Originator/Requestor: Robert Brient		Date: 02/06/96
05. Summary of Actions		
<input checked="" type="checkbox"/> Release of new software <input type="checkbox"/> Release of modified software: <input type="checkbox"/> Enhancements made <input type="checkbox"/> Corrections made <input type="checkbox"/> Change of access software <input type="checkbox"/> Software Retirement		
06. Persons Authorized Access		
Name	RO/RW	A/C/D
Gordon Wittmeyer Budhi Sagar Robert Baca Ross Bagtzoglou Mikko Ahola Ashok Nedungadi Stuart Stothoff Sitakanta Mohanty Ron Green Peter Lichtner		
07. Element Manager Approval: <i>R.C. Pe...</i>		Date: 3/25/96
08. Remarks:		

SOFTWARE SUMMARY FORM

01. Summary Date: 02/02/96		02. Summary prepared by (Name and phone) Gordon Wittmeyer		03. Summary Action: New	
04. Software Date: 11/15/93		05. Short Title: PORFLOW Version 2.50 - Finite Difference Code			
06. Software Title: PORFLOW				07. Internal Software ID:	
08. Software Type:		09. Processing Mode:		10. APPLICATION AREA	
<input type="checkbox"/> Automated Data System <input checked="" type="checkbox"/> Computer Program <input type="checkbox"/> Subroutine/Module		<input type="checkbox"/> Interactive <input checked="" type="checkbox"/> Batch <input type="checkbox"/> Combination		a. General: <input checked="" type="checkbox"/> Scientific/Engineering <input type="checkbox"/> Auxiliary Analyses <input type="checkbox"/> Total System PA <input type="checkbox"/> Other <input type="checkbox"/> Subsystem PA b. Specific:	
11. Submitting Organization and Address: CNWRA/SwRI 6220 Culebra Road San Antonio, TX 78228			12. Technical Contact(s) and Phone: Gordon W. Wittmeyer, (210) 522-5082		
13. Narrative: PORFLOW - 3D finite difference code for solution of multiphases fluid flow, heat transfer, and mass transport problems is variably saturated porous or fractured media.					
14. Computer Platform SUN, CRAY, IBM PS/2		15. Computer Operating System: SUNOS/SOLARIS, CRAY UNICOS, OS-2		16. Programming Language(s): FORTRAN, LAHEY F77	
17. Number of Source Program Statements:		18. Computer Memory Requirements:		19. Tape Drives:	
20. Disk/Drum Units:		21. Graphics:			
22. Other Operational Requirements					
23. Software Availability:			24. Documentation Availability:		
<input type="checkbox"/> Available <input type="checkbox"/> Limited <input checked="" type="checkbox"/> In-House ONLY			<input checked="" type="checkbox"/> Available <input type="checkbox"/> Inadequate <input type="checkbox"/> In-House ONLY		
Software Custodian: <u> LKment </u> Date: <u> 3/5/96 </u>					

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MEMORANDUM

March 28, 1996

To: Robert Brient
From: Gordon Wittmeyer *GW*
Subject: PORFLOW Version 2.50 Installation Tests

PORFLOW Version 2.50 was installed and compiled on a SUN SPARCstation 10 running SUNOS. The FORTRAN code was compiled using Version 1.41 of SUN's FORTRAN 77 compiler. Test runs were performed for verification problems V6 and V9 described in the user's manual. Visual comparison of plots of simulation output to the corresponding plots shown in the user's manual suggest that PORFLOW 2.50 was properly installed (see attachments). A record of the installation tests is also contained in Scientific Notebook 166.

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pcl5

JOB 24

pr1a_test.out

uw.
Output file included on distribution diskette for instructional problem 1a.

3/27/96

Jordan Wittmeyer

For: gwitt
Date: Tue Mar 26 11:19:57 CST 1996
Submit queue: IF 1 / Ethernet / UHSW
Submitted: Thu Jan 31 02:58:25 1991
Started: Thu Jan 31 02:58:25 1991



QMS 3825 Print System

QMS 3825 Print System

Enter the file name for the BASIC package file, UNIT 1: 1

U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER MODEL

Otheis problem full grid

1/4/90 pfa

1 LAYERS 19 ROWS 19 COLUMNS

1 STRESS PERIOD(S) IN SIMULATION

MODEL TIME UNIT IS SECONDS

OI/O UNITS:

ELEMENT OF IUNIT: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

I/O UNIT: 11 12 0 0 0 0 0 0 19 0 0 22 0 0 0 0 0 0 0 0 0 0 0

Enter the file name for the BCF2 package file, UNIT 11:

Enter the file name for the WELL package file, UNIT 12:

Enter the file name for the SIP package file, UNIT 19:

Enter the file name for the OC package file, UNIT 22:

OBAS1 -- BASIC MODEL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 1

ARRAYS RHS AND BUFF WILL SHARE MEMORY.

START HEAD WILL BE SAVED

3291 ELEMENTS IN X ARRAY ARE USED BY BAS

3291 ELEMENTS OF X ARRAY USED OUT OF 517000

OBCF2 -- BLOCK-CENTERED FLOW PACKAGE, VERSION 2, 7/1/91 INPUT READ FROM UNIT 11

TRANSIENT SIMULATION

HEAD AT CELLS THAT CONVERT TO DRY= 0.

WETTING CAPABILITY IS NOT ACTIVE

LAYER AQUIFER TYPE

1 0

362 ELEMENTS IN X ARRAY ARE USED BY BCF

3653 ELEMENTS OF X ARRAY USED OUT OF 517000

OWELL1 -- WELL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM 12

MAXIMUM OF 1 WELLS

4 ELEMENTS IN X ARRAY ARE USED FOR WELLS

3657 ELEMENTS OF X ARRAY USED OUT OF 517000

OSIP1 -- STRONGLY IMPLICIT PROCEDURE SOLUTION PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 19

MAXIMUM OF 50 ITERATIONS ALLOWED FOR CLOSURE

5 ITERATION PARAMETERS

1649 ELEMENTS IN X ARRAY ARE USED BY SIP

5306 ELEMENTS OF X ARRAY USED OUT OF 517000

1theis problem full grid

1/4/90 pfa

0

BOUNDARY ARRAY = 1 FOR LAYER 1

0AQUIFER HEAD WILL BE SET TO 999.00 AT ALL NO-FLOW NODES (IBOUND=0).

0

INITIAL HEAD = 0. FOR LAYER 1

0HEAD PRINT FORMAT IS FORMAT NUMBER 10 DRAWDOWN PRINT FORMAT IS FORMAT NUMBER 10

0HEADS WILL BE SAVED ON UNIT 0 DRAWDOWNS WILL BE SAVED ON UNIT 0

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OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP

0
0

COLUMN TO ROW ANISOTROPY = 1.000000

DELR WILL BE READ ON UNIT 11 USING FORMAT: (7G11.4)

300.00	200.00	150.00	100.00	80.000	60.000	40.000	30.000	30.000	20.000
30.000	30.000	40.000	60.000	80.000	100.00	150.00	200.00	300.00	

0

DELC WILL BE READ ON UNIT 11 USING FORMAT: (7G11.4)

300.00	200.00	150.00	100.00	80.000	60.000	40.000	30.000	30.000	20.000
30.000	30.000	40.000	60.000	80.000	100.00	150.00	200.00	300.00	

0
0
0

PRIMARY STORAGE COEF = 0.7500000E-03 FOR LAYER 1
TRANSMIS. ALONG ROWS = 0.2300000E-02 FOR LAYER 1

SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE

0

MAXIMUM ITERATIONS ALLOWED FOR CLOSURE = 50
ACCELERATION PARAMETER = 1.0000
HEAD CHANGE CRITERION FOR CLOSURE = 0.10000E-03
SIP HEAD CHANGE PRINTOUT INTERVAL = 1
CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED
STRESS PERIOD NO. 1, LENGTH = 86400.00

0
1

NUMBER OF TIME STEPS = 20

MULTIPLIER FOR DELT = 1.300

INITIAL TIME STEP SIZE = 137.1069

0

1 WELLS

LAYER	ROW	COL	STRESS RATE	WELL NO.
1	10	10	-0.40000E-02	1

DAVERAGE SEED = 0.00230768

MINIMUM SEED = 0.00009053

0

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5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

0.000000E+00 0.7808236E+00 0.9519617E+00 0.9894711E+00 0.9976923E+00

0

4 ITERATIONS FOR TIME STEP 1 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -0.4806 (1, 10, 10) -0.2019E-01 (1, 9, 11) -0.7150E-03 (1, 12, 10) 0.3509E-04 (1, 12, 9)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
 PRINTOUT PRINTOUT SAVE SAVE

 0 1 0 0

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 1 IN STRESS PERIOD 1

 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000
0 8	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.010	0.017	0.010	0.004	0.001	0.000	0.000	0.000	0.000	0.000
0 9	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.010	0.037	0.093	0.037	0.010	0.002	0.000	0.000	0.000	0.000	0.000
0 10	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.017	0.093	0.491	0.093	0.017	0.003	0.000	0.000	0.000	0.000	0.000
0 11	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.010	0.037	0.093	0.037	0.010	0.002	0.000	0.000	0.000	0.000	0.000
0 12	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.004	0.010	0.017	0.010	0.004	0.001	0.000	0.000	0.000	0.000	0.000
0 13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000
0 14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

0

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 1 IN STRESS PERIOD 1

240

0	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
-----			-----	
	IN:		IN:	
	---		---	
	STORAGE =	0.54843	STORAGE =	0.40000E-02
	CONSTANT HEAD =	0.	CONSTANT HEAD =	0.
	WELLS =	0.	WELLS =	0.
0	TOTAL IN =	0.54843	TOTAL IN =	0.40000E-02
0	OUT:		OUT:	
	----		----	
	STORAGE =	0.	STORAGE =	0.
	CONSTANT HEAD =	0.	CONSTANT HEAD =	0.
	WELLS =	0.54843	WELLS =	0.40000E-02
0	TOTAL OUT =	0.54843	TOTAL OUT =	0.40000E-02
0	IN - OUT =	0.11921E-06	IN - OUT =	0.93132E-09
0	PERCENT DISCREPANCY =	0.00	PERCENT DISCREPANCY =	0.00

0

TIME SUMMARY AT END OF TIME STEP 1 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS

TIME STEP LENGTH	137.107	2.28512	0.380853E-01	0.158689E-02	0.434466E-05
STRESS PERIOD TIME	137.107	2.28512	0.380853E-01	0.158689E-02	0.434466E-05
TOTAL SIMULATION TIME	137.107	2.28512	0.380853E-01	0.158689E-02	0.434466E-05

1

4 ITERATIONS FOR TIME STEP 2 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1764 (1, 10, 10) -0.1433E-01 (1, 10, 10) -0.6273E-03 (1, 12, 10) 0.3620E-04 (1, 10, 10)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 2 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

26/11

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0 3 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 4 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 5 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 6 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.001 0.001 0.001 0.001 0.001 0.000 0.000 0.000 0.000 0.000 0.000
0 7 0.000 0.000 0.000 0.000 0.000 0.000 0.002 0.005 0.009 0.011 0.009 0.005 0.002 0.000 0.000 0.000 0.000 0.000
0 8 0.000 0.000 0.000 0.000 0.000 0.001 0.005 0.015 0.033 0.048 0.033 0.015 0.005 0.001 0.000 0.000 0.000 0.000
0 9 0.000 0.000 0.000 0.000 0.000 0.001 0.009 0.033 0.094 0.182 0.094 0.033 0.009 0.001 0.000 0.000 0.000 0.000
0 10 0.000 0.000 0.000 0.000 0.000 0.001 0.011 0.048 0.182 0.682 0.182 0.048 0.011 0.001 0.000 0.000 0.000 0.000
0 11 0.000 0.000 0.000 0.000 0.000 0.001 0.009 0.033 0.094 0.182 0.094 0.033 0.009 0.001 0.000 0.000 0.000 0.000
0 12 0.000 0.000 0.000 0.000 0.000 0.001 0.005 0.015 0.033 0.048 0.033 0.015 0.005 0.001 0.000 0.000 0.000 0.000
0 13 0.000 0.000 0.000 0.000 0.000 0.000 0.002 0.005 0.009 0.011 0.009 0.005 0.002 0.000 0.000 0.000 0.000 0.000
0 14 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.001 0.001 0.001 0.001 0.001 0.000 0.000 0.000 0.000 0.000 0.000
0 15 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 16 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
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0 19 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0

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TIME SUMMARY AT END OF TIME STEP 2 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	178.239	2.97065	0.495108E-01	0.206295E-02	0.564805E-05
STRESS PERIOD TIME	315.346	5.25577	0.875961E-01	0.364984E-02	0.999271E-05
TOTAL SIMULATION TIME	315.346	5.25577	0.875961E-01	0.364984E-02	0.999271E-05

1
4 ITERATIONS FOR TIME STEP 3 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.8147E-01 (1, 10, 10) -0.1632E-01 (1, 10, 10) -0.1118E-02 (1, 10, 10) 0.3289E-04 (1, 10, 10)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 3 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

12/76

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0 6 0.000 0.000 0.000 0.000 0.000 0.000 0.002 0.003 0.004 0.004 0.004 0.003 0.002 0.000 0.000 0.000 0.000 0.000 0.000
0 7 0.000 0.000 0.000 0.000 0.000 0.002 0.006 0.013 0.022 0.025 0.022 0.013 0.006 0.002 0.000 0.000 0.000 0.000 0.000
0 8 0.000 0.000 0.000 0.000 0.000 0.003 0.013 0.035 0.066 0.085 0.066 0.035 0.013 0.003 0.000 0.000 0.000 0.000 0.000
0 9 0.000 0.000 0.000 0.000 0.000 0.004 0.022 0.066 0.152 0.255 0.152 0.066 0.022 0.004 0.000 0.000 0.000 0.000 0.000
0 10 0.000 0.000 0.000 0.000 0.000 0.004 0.025 0.085 0.255 0.781 0.255 0.085 0.025 0.004 0.000 0.000 0.000 0.000 0.000
0 11 0.000 0.000 0.000 0.000 0.000 0.004 0.022 0.066 0.152 0.255 0.152 0.066 0.022 0.004 0.000 0.000 0.000 0.000 0.000
0 12 0.000 0.000 0.000 0.000 0.000 0.003 0.013 0.035 0.066 0.085 0.066 0.035 0.013 0.003 0.000 0.000 0.000 0.000 0.000
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0 14 0.000 0.000 0.000 0.000 0.000 0.000 0.002 0.003 0.004 0.004 0.004 0.003 0.002 0.000 0.000 0.000 0.000 0.000 0.000
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TIME SUMMARY AT END OF TIME STEP 3 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	231.711	3.86185	0.643641E-01	0.268184E-02	0.734247E-05
STRESS PERIOD TIME	547.057	9.11761	0.151960	0.633167E-02	0.173352E-04
TOTAL SIMULATION TIME	547.057	9.11761	0.151960	0.633167E-02	0.173352E-04

1
4 ITERATIONS FOR TIME STEP 4 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.4945E-01 (1, 10, 10) -0.1755E-01 (1, 10, 10) -0.1933E-02 (1, 10, 10) -0.4737E-04 (1, 9, 13)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 4 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
0 6	0.000	0.000	0.000	0.000	0.000	0.002	0.004	0.008	0.010	0.011	0.010	0.008	0.004	0.002	0.000	0.000	0.000	0.000	0.000
0 7	0.000	0.000	0.000	0.000	0.001	0.004	0.014	0.028	0.041	0.045	0.041	0.028	0.014	0.004	0.001	0.000	0.000	0.000	0.000
0 8	0.000	0.000	0.000	0.000	0.001	0.008	0.028	0.061	0.103	0.126	0.103	0.061	0.028	0.008	0.001	0.000	0.000	0.000	0.000

13/76

0 9 0.000 0.000 0.000 0.000 0.001 0.010 0.041 0.103 0.207 0.316 0.207 0.103 0.041 0.010 0.001 0.000 0.000 0.000 0.000
0 10 0.000 0.000 0.000 0.000 0.002 0.011 0.045 0.126 0.316 0.850 0.316 0.126 0.045 0.011 0.002 0.000 0.000 0.000 0.000
0 11 0.000 0.000 0.000 0.000 0.001 0.010 0.041 0.103 0.207 0.316 0.207 0.103 0.041 0.010 0.001 0.000 0.000 0.000 0.000
0 12 0.000 0.000 0.000 0.000 0.001 0.008 0.028 0.061 0.103 0.126 0.103 0.061 0.028 0.008 0.001 0.000 0.000 0.000 0.000
0 13 0.000 0.000 0.000 0.000 0.001 0.004 0.014 0.028 0.041 0.045 0.041 0.028 0.014 0.004 0.001 0.000 0.000 0.000 0.000
0 14 0.000 0.000 0.000 0.000 0.000 0.002 0.004 0.008 0.010 0.011 0.010 0.008 0.004 0.002 0.000 0.000 0.000 0.000 0.000
0 15 0.000 0.000 0.000 0.000 0.000 0.000 0.001 0.001 0.001 0.002 0.001 0.001 0.001 0.000 0.000 0.000 0.000 0.000 0.000
0 16 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 17 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 18 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 19 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0

TIME SUMMARY AT END OF TIME STEP 4 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	301.224	5.02040	0.836733E-01	0.348639E-02	0.954521E-05
STRESS PERIOD TIME	848.281	14.1380	0.235633	0.981806E-02	0.268804E-04
TOTAL SIMULATION TIME	848.281	14.1380	0.235633	0.981806E-02	0.268804E-04

1
5 ITERATIONS FOR TIME STEP 5 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.3570E-01 (1, 10, 11) -0.1841E-01 (1, 10, 10) -0.2934E-02 (1, 10, 10) -0.1005E-03 (1, 8, 12) 0.2209E-04 (1, 10, 10)
0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 5 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.004	0.004	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.000
0 6	0.000	0.000	0.000	0.000	0.001	0.004	0.010	0.016	0.020	0.021	0.020	0.016	0.010	0.004	0.001	0.000	0.000	0.000	0.000
0 7	0.000	0.000	0.000	0.000	0.002	0.010	0.028	0.048	0.065	0.071	0.065	0.048	0.028	0.010	0.002	0.000	0.000	0.000	0.000
0 8	0.000	0.000	0.000	0.000	0.003	0.016	0.048	0.092	0.142	0.167	0.142	0.092	0.048	0.016	0.003	0.000	0.000	0.000	0.000
0 9	0.000	0.000	0.000	0.000	0.004	0.020	0.065	0.142	0.257	0.369	0.257	0.142	0.065	0.020	0.004	0.000	0.000	0.000	0.000
0 10	0.000	0.000	0.000	0.000	0.004	0.021	0.071	0.167	0.369	0.907	0.369	0.167	0.071	0.021	0.004	0.000	0.000	0.000	0.000
0 11	0.000	0.000	0.000	0.000	0.004	0.020	0.065	0.142	0.257	0.369	0.257	0.142	0.065	0.020	0.004	0.000	0.000	0.000	0.000

14/76

0 12 0.000 0.000 0.000 0.000 0.003 0.016 0.048 0.092 0.142 0.167 0.142 0.092 0.048 0.016 0.003 0.000 0.000 0.000 0.000
0 13 0.000 0.000 0.000 0.000 0.002 0.010 0.028 0.048 0.065 0.071 0.065 0.048 0.028 0.010 0.002 0.000 0.000 0.000 0.000
0 14 0.000 0.000 0.000 0.000 0.001 0.004 0.010 0.016 0.020 0.021 0.020 0.016 0.010 0.004 0.001 0.000 0.000 0.000 0.000
0 15 0.000 0.000 0.000 0.000 0.000 0.001 0.002 0.003 0.004 0.004 0.004 0.003 0.002 0.001 0.000 0.000 0.000 0.000 0.000
0 16 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 17 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 18 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0 19 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
0

TIME SUMMARY AT END OF TIME STEP 5 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	391.591	6.52652	0.108775	0.453230E-02	0.124088E-04
STRESS PERIOD TIME	1239.87	20.6645	0.344409	0.143504E-01	0.392892E-04
TOTAL SIMULATION TIME	1239.87	20.6645	0.344409	0.143504E-01	0.392892E-04

1

5 ITERATIONS FOR TIME STEP 6 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.2947E-01 (1, 11, 11) -0.1897E-01 (1, 10, 10) -0.4167E-02 (1, 10, 10) -0.1973E-03 (1, 8, 12) 0.4427E-04 (1, 10, 10)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1

DRAWDOWN IN LAYER 1 AT END OF TIME STEP 6 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.000	0.001	0.003	0.005	0.007	0.008	0.008	0.008	0.007	0.005	0.003	0.001	0.000	0.000	0.000	0.000
0 6	0.000	0.000	0.000	0.001	0.003	0.010	0.020	0.028	0.034	0.035	0.034	0.028	0.020	0.010	0.003	0.001	0.000	0.000	0.000
0 7	0.000	0.000	0.000	0.001	0.005	0.020	0.046	0.072	0.093	0.100	0.093	0.072	0.046	0.020	0.005	0.001	0.000	0.000	0.000
0 8	0.000	0.000	0.000	0.001	0.007	0.028	0.072	0.126	0.182	0.208	0.182	0.126	0.072	0.028	0.007	0.001	0.000	0.000	0.000
0 9	0.000	0.000	0.000	0.001	0.008	0.034	0.093	0.182	0.304	0.418	0.304	0.182	0.093	0.034	0.008	0.001	0.000	0.000	0.000
0 10	0.000	0.000	0.000	0.001	0.008	0.035	0.100	0.208	0.418	0.957	0.418	0.208	0.100	0.035	0.008	0.001	0.000	0.000	0.000
0 11	0.000	0.000	0.000	0.001	0.008	0.034	0.093	0.182	0.304	0.418	0.304	0.182	0.093	0.034	0.008	0.001	0.000	0.000	0.000
0 12	0.000	0.000	0.000	0.001	0.007	0.028	0.072	0.126	0.182	0.208	0.182	0.126	0.072	0.028	0.007	0.001	0.000	0.000	0.000
0 13	0.000	0.000	0.000	0.001	0.005	0.020	0.046	0.072	0.093	0.100	0.093	0.072	0.046	0.020	0.005	0.001	0.000	0.000	0.000
0 14	0.000	0.000	0.000	0.001	0.003	0.010	0.020	0.028	0.034	0.035	0.034	0.028	0.020	0.010	0.003	0.001	0.000	0.000	0.000

15/76

0 15 0.000 0.000 0.000 0.000 0.001 0.003 0.005 0.007 0.008 0.008 0.008 0.007 0.005 0.003 0.001 0.000 0.000 0.000 0.000
 0 16 0.000 0.000 0.000 0.000 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.000 0.000 0.000 0.000 0.000
 0 17 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
 0 18 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
 0 19 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
 0

TIME SUMMARY AT END OF TIME STEP 6 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	509.068	8.48447	0.141408	0.589200E-02	0.161314E-04
STRESS PERIOD TIME	1748.94	29.1490	0.485817	0.202424E-01	0.554206E-04
TOTAL SIMULATION TIME	1748.94	29.1490	0.485817	0.202424E-01	0.554206E-04

1
 5 ITERATIONS FOR TIME STEP 7 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -0.2444E-01 (1, 11, 11) -0.1919E-01 (1, 10, 10) -0.5626E-02 (1, 10, 10) -0.3569E-03 (1, 8, 12) 0.7793E-04 (1, 10, 10)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 7 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.000	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.001	0.003	0.007	0.011	0.014	0.015	0.016	0.015	0.014	0.011	0.007	0.003	0.001	0.000	0.000	0.000
0 6	0.000	0.000	0.000	0.002	0.007	0.019	0.034	0.045	0.053	0.054	0.053	0.045	0.034	0.019	0.007	0.002	0.000	0.000	0.000
0 7	0.000	0.000	0.000	0.002	0.011	0.034	0.068	0.100	0.124	0.132	0.124	0.100	0.068	0.034	0.011	0.002	0.000	0.000	0.000
0 8	0.000	0.000	0.000	0.003	0.014	0.045	0.100	0.161	0.221	0.248	0.221	0.161	0.100	0.045	0.014	0.003	0.000	0.000	0.000
0 9	0.000	0.000	0.000	0.003	0.015	0.053	0.124	0.221	0.349	0.463	0.349	0.221	0.124	0.053	0.015	0.003	0.000	0.000	0.000
0 10	0.000	0.000	0.000	0.003	0.016	0.054	0.132	0.248	0.463	1.004	0.463	0.248	0.132	0.054	0.016	0.003	0.000	0.000	0.000
0 11	0.000	0.000	0.000	0.003	0.015	0.053	0.124	0.221	0.349	0.463	0.349	0.221	0.124	0.053	0.015	0.003	0.000	0.000	0.000
0 12	0.000	0.000	0.000	0.003	0.014	0.045	0.100	0.161	0.221	0.248	0.221	0.161	0.100	0.045	0.014	0.003	0.000	0.000	0.000
0 13	0.000	0.000	0.000	0.002	0.011	0.034	0.068	0.100	0.124	0.132	0.124	0.100	0.068	0.034	0.011	0.002	0.000	0.000	0.000
0 14	0.000	0.000	0.000	0.002	0.007	0.019	0.034	0.045	0.053	0.054	0.053	0.045	0.034	0.019	0.007	0.002	0.000	0.000	0.000
0 15	0.000	0.000	0.000	0.001	0.003	0.007	0.011	0.014	0.015	0.016	0.015	0.014	0.011	0.007	0.003	0.001	0.000	0.000	0.000
0 16	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.000	0.000	0.000	0.000
0 17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

16/76

0 18 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
 0 19 0.000
 0

TIME SUMMARY AT END OF TIME STEP 7 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	661.789	11.0298	0.183830	0.765959E-02	0.209708E-04
STRESS PERIOD TIME	2410.73	40.1788	0.669647	0.279020E-01	0.763914E-04
TOTAL SIMULATION TIME	2410.73	40.1788	0.669647	0.279020E-01	0.763914E-04

1
 6 ITERATIONS FOR TIME STEP 8 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -0.2021E-01 (1, 11, 11) -0.1900E-01 (1, 10, 10) -0.7264E-02 (1, 10, 10) -0.6073E-03 (1, 8, 12) 0.1239E-03 (1, 10, 10)
 0.1370E-04 (1, 8, 12)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 8 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.001	0.002	0.004	0.005	0.006	0.007	0.007	0.007	0.006	0.005	0.004	0.002	0.001	0.000	0.000	0.000
0 5	0.000	0.000	0.000	0.002	0.006	0.013	0.020	0.024	0.026	0.027	0.026	0.024	0.020	0.013	0.006	0.002	0.000	0.000	0.000
0 6	0.000	0.000	0.001	0.004	0.013	0.031	0.051	0.066	0.075	0.077	0.075	0.066	0.051	0.031	0.013	0.004	0.001	0.000	0.000
0 7	0.000	0.000	0.001	0.005	0.020	0.051	0.093	0.130	0.157	0.165	0.157	0.130	0.094	0.051	0.020	0.005	0.001	0.000	0.000
0 8	0.000	0.000	0.001	0.006	0.024	0.066	0.130	0.197	0.260	0.288	0.260	0.197	0.130	0.066	0.024	0.006	0.001	0.000	0.000
0 9	0.000	0.000	0.001	0.007	0.026	0.075	0.157	0.260	0.391	0.507	0.391	0.260	0.157	0.075	0.026	0.007	0.001	0.000	0.000
0 10	0.000	0.000	0.001	0.007	0.027	0.077	0.165	0.288	0.507	1.048	0.507	0.288	0.165	0.077	0.027	0.007	0.001	0.000	0.000
0 11	0.000	0.000	0.001	0.007	0.026	0.075	0.157	0.260	0.391	0.507	0.391	0.260	0.157	0.075	0.026	0.007	0.001	0.000	0.000
0 12	0.000	0.000	0.001	0.006	0.024	0.066	0.130	0.197	0.260	0.288	0.260	0.197	0.130	0.066	0.024	0.006	0.001	0.000	0.000
0 13	0.000	0.000	0.001	0.005	0.020	0.051	0.094	0.130	0.157	0.165	0.157	0.130	0.093	0.051	0.020	0.005	0.001	0.000	0.000
0 14	0.000	0.000	0.001	0.004	0.013	0.031	0.051	0.066	0.075	0.077	0.075	0.066	0.051	0.031	0.013	0.004	0.001	0.000	0.000
0 15	0.000	0.000	0.000	0.002	0.006	0.013	0.020	0.024	0.026	0.027	0.026	0.024	0.020	0.013	0.006	0.002	0.000	0.000	0.000
0 16	0.000	0.000	0.000	0.001	0.002	0.004	0.005	0.006	0.007	0.007	0.007	0.006	0.005	0.004	0.002	0.001	0.000	0.000	0.000
0 17	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000
0 18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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0

TIME SUMMARY AT END OF TIME STEP 8 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	860.325	14.3388	0.238979	0.995747E-02	0.272621E-04
STRESS PERIOD TIME	3271.05	54.5176	0.908626	0.378594E-01	0.103653E-03
TOTAL SIMULATION TIME	3271.05	54.5176	0.908626	0.378594E-01	0.103653E-03

1

6 ITERATIONS FOR TIME STEP 9 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1670E-01 (1, 13, 11) -0.1843E-01 (1, 10, 10) -0.9002E-02 (1, 10, 10) -0.1031E-02 (1, 10, 10) 0.1795E-03 (1, 10, 10)

0.2339E-04 (1, 8, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1

DRAWDOWN IN LAYER 1 AT END OF TIME STEP 9 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.000	0.000	0.000	0.000
0 4	0.000	0.000	0.000	0.002	0.005	0.008	0.010	0.012	0.012	0.013	0.012	0.012	0.010	0.008	0.005	0.002	0.000	0.000	0.000
0 5	0.000	0.000	0.001	0.005	0.012	0.023	0.032	0.038	0.041	0.041	0.041	0.038	0.032	0.023	0.012	0.005	0.001	0.000	0.000
0 6	0.000	0.000	0.002	0.008	0.023	0.048	0.073	0.090	0.100	0.103	0.100	0.090	0.073	0.048	0.023	0.008	0.002	0.000	0.000
0 7	0.000	0.000	0.002	0.010	0.032	0.073	0.122	0.162	0.191	0.199	0.191	0.162	0.122	0.073	0.032	0.010	0.002	0.000	0.000
0 8	0.000	0.000	0.002	0.012	0.038	0.090	0.162	0.233	0.298	0.327	0.298	0.233	0.162	0.090	0.038	0.012	0.002	0.000	0.000
0 9	0.000	0.000	0.002	0.012	0.041	0.100	0.191	0.298	0.432	0.548	0.432	0.298	0.191	0.100	0.041	0.012	0.002	0.000	0.000
0 10	0.000	0.000	0.002	0.013	0.041	0.103	0.199	0.327	0.548	1.090	0.548	0.327	0.199	0.103	0.041	0.013	0.002	0.000	0.000
0 11	0.000	0.000	0.002	0.012	0.041	0.100	0.191	0.298	0.432	0.548	0.432	0.298	0.191	0.100	0.041	0.012	0.002	0.000	0.000
0 12	0.000	0.000	0.002	0.012	0.038	0.090	0.162	0.233	0.298	0.327	0.298	0.233	0.162	0.090	0.038	0.012	0.002	0.000	0.000
0 13	0.000	0.000	0.002	0.010	0.032	0.073	0.122	0.162	0.191	0.199	0.191	0.162	0.122	0.073	0.032	0.010	0.002	0.000	0.000
0 14	0.000	0.000	0.002	0.008	0.023	0.048	0.073	0.090	0.100	0.103	0.100	0.090	0.073	0.048	0.023	0.008	0.002	0.000	0.000
0 15	0.000	0.000	0.001	0.005	0.012	0.023	0.032	0.038	0.041	0.041	0.041	0.038	0.032	0.023	0.012	0.005	0.001	0.000	0.000
0 16	0.000	0.000	0.000	0.002	0.005	0.008	0.010	0.012	0.012	0.013	0.012	0.012	0.010	0.008	0.005	0.002	0.000	0.000	0.000
0 17	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.000	0.000	0.000	0.000
0 18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

0

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TIME SUMMARY AT END OF TIME STEP 9 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	1118.42	18.6404	0.310673	0.129447E-01	0.354407E-04
STRESS PERIOD TIME	4389.48	73.1580	1.21930	0.508041E-01	0.139094E-03
TOTAL SIMULATION TIME	4389.48	73.1580	1.21930	0.508041E-01	0.139094E-03

1
6 ITERATIONS FOR TIME STEP 10 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1526E-01 (1, 13, 13) -0.1751E-01 (1, 10, 10) -0.1074E-01 (1, 10, 10) -0.1681E-02 (1, 10, 10) 0.2361E-03 (1, 10, 10)
0.3656E-04 (1, 8, 12)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 10 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
0 3	0.000	0.000	0.000	0.001	0.002	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.002	0.001	0.000	0.000	0.000
0 4	0.000	0.000	0.001	0.004	0.009	0.015	0.018	0.020	0.021	0.022	0.021	0.020	0.018	0.015	0.009	0.004	0.001	0.000	0.000
0 5	0.000	0.000	0.002	0.009	0.021	0.036	0.048	0.055	0.059	0.060	0.059	0.055	0.048	0.036	0.021	0.009	0.002	0.000	0.000
0 6	0.000	0.000	0.004	0.015	0.036	0.068	0.097	0.117	0.129	0.131	0.129	0.117	0.097	0.068	0.036	0.015	0.004	0.000	0.000
0 7	0.000	0.001	0.004	0.018	0.048	0.097	0.152	0.195	0.226	0.234	0.226	0.195	0.152	0.097	0.048	0.018	0.004	0.001	0.000
0 8	0.000	0.001	0.005	0.020	0.055	0.117	0.195	0.269	0.337	0.365	0.337	0.269	0.195	0.117	0.055	0.020	0.005	0.001	0.000
0 9	0.000	0.001	0.005	0.021	0.059	0.129	0.226	0.337	0.472	0.589	0.472	0.337	0.226	0.129	0.059	0.021	0.005	0.001	0.000
0 10	0.000	0.001	0.005	0.022	0.060	0.131	0.234	0.365	0.589	1.131	0.589	0.365	0.234	0.131	0.060	0.022	0.005	0.001	0.000
0 11	0.000	0.001	0.005	0.021	0.059	0.129	0.226	0.337	0.472	0.589	0.472	0.337	0.226	0.129	0.059	0.021	0.005	0.001	0.000
0 12	0.000	0.001	0.005	0.020	0.055	0.117	0.195	0.269	0.337	0.365	0.337	0.269	0.195	0.117	0.055	0.020	0.005	0.001	0.000
0 13	0.000	0.001	0.004	0.018	0.048	0.097	0.152	0.195	0.226	0.234	0.226	0.195	0.152	0.097	0.048	0.018	0.004	0.001	0.000
0 14	0.000	0.000	0.004	0.015	0.036	0.068	0.097	0.117	0.129	0.131	0.129	0.117	0.097	0.068	0.036	0.015	0.004	0.000	0.000
0 15	0.000	0.000	0.002	0.009	0.021	0.036	0.048	0.055	0.059	0.060	0.059	0.055	0.048	0.036	0.021	0.009	0.002	0.000	0.000
0 16	0.000	0.000	0.001	0.004	0.009	0.015	0.018	0.020	0.021	0.022	0.021	0.020	0.018	0.015	0.009	0.004	0.001	0.000	0.000
0 17	0.000	0.000	0.000	0.001	0.002	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.002	0.001	0.000	0.000	0.000
0 18	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
0 19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TIME SUMMARY AT END OF TIME STEP 10 IN STRESS PERIOD 1

1946

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	1453.95	24.2325	0.403875	0.168281E-01	0.460729E-04
STRESS PERIOD TIME	5843.43	97.3904	1.62317	0.676323E-01	0.185167E-03
TOTAL SIMULATION TIME	5843.43	97.3904	1.62317	0.676323E-01	0.185167E-03

1
6 ITERATIONS FOR TIME STEP 11 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1427E-01 (1, 14, 13) -0.1630E-01 (1, 10, 10) -0.1237E-01 (1, 10, 10) -0.2555E-02 (1, 10, 10) 0.2848E-03 (1, 10, 9)
0.5291E-04 (1, 8, 12)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 11 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
0 3	0.000	0.000	0.001	0.003	0.005	0.007	0.008	0.009	0.009	0.009	0.009	0.009	0.008	0.007	0.005	0.003	0.001	0.000	0.000
0 4	0.000	0.001	0.003	0.009	0.017	0.024	0.030	0.032	0.034	0.034	0.034	0.032	0.030	0.024	0.017	0.009	0.003	0.001	0.000
0 5	0.000	0.001	0.005	0.017	0.034	0.053	0.068	0.076	0.081	0.082	0.081	0.076	0.068	0.053	0.034	0.017	0.005	0.001	0.000
0 6	0.000	0.001	0.007	0.024	0.053	0.091	0.125	0.146	0.159	0.162	0.159	0.146	0.125	0.092	0.053	0.024	0.007	0.001	0.000
0 7	0.000	0.001	0.008	0.030	0.068	0.125	0.184	0.229	0.261	0.270	0.261	0.229	0.184	0.125	0.068	0.030	0.008	0.001	0.000
0 8	0.000	0.002	0.009	0.032	0.076	0.146	0.229	0.306	0.375	0.403	0.375	0.306	0.229	0.146	0.076	0.032	0.009	0.002	0.000
0 9	0.000	0.002	0.009	0.034	0.081	0.159	0.261	0.375	0.512	0.628	0.512	0.375	0.261	0.159	0.081	0.034	0.009	0.002	0.000
0 10	0.000	0.002	0.009	0.034	0.082	0.162	0.270	0.403	0.628	1.171	0.628	0.403	0.270	0.162	0.082	0.034	0.009	0.002	0.000
0 11	0.000	0.002	0.009	0.034	0.081	0.159	0.261	0.375	0.512	0.628	0.512	0.375	0.261	0.159	0.081	0.034	0.009	0.002	0.000
0 12	0.000	0.002	0.009	0.032	0.076	0.146	0.229	0.306	0.375	0.403	0.375	0.306	0.229	0.146	0.076	0.032	0.009	0.002	0.000
0 13	0.000	0.001	0.008	0.030	0.068	0.125	0.184	0.229	0.261	0.270	0.261	0.229	0.184	0.125	0.068	0.030	0.008	0.001	0.000
0 14	0.000	0.001	0.007	0.024	0.053	0.092	0.125	0.146	0.159	0.162	0.159	0.146	0.125	0.091	0.053	0.024	0.007	0.001	0.000
0 15	0.000	0.001	0.005	0.017	0.034	0.053	0.068	0.076	0.081	0.082	0.081	0.076	0.068	0.053	0.034	0.017	0.005	0.001	0.000
0 16	0.000	0.001	0.003	0.009	0.017	0.024	0.030	0.032	0.034	0.034	0.034	0.032	0.030	0.024	0.017	0.009	0.003	0.001	0.000
0 17	0.000	0.000	0.001	0.003	0.005	0.007	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.008	0.007	0.005	0.003	0.001	0.000
0 18	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000
0 19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TIME SUMMARY AT END OF TIME STEP 11 IN STRESS PERIOD 1

SECONDS	MINUTES	HOURS	DAYS	YEARS
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TIME STEP LENGTH	1890.13	31.5022	0.525037	0.218766E-01	0.598948E-04
STRESS PERIOD TIME	7733.56	128.893	2.14821	0.895088E-01	0.245062E-03
TOTAL SIMULATION TIME	7733.56	128.893	2.14821	0.895088E-01	0.245062E-03

1
6 ITERATIONS FOR TIME STEP 12 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1380E-01 (1, 14, 14) -0.1511E-01 (1, 8, 10) -0.1379E-01 (1, 10, 10) -0.3662E-02 (1, 10, 10) 0.3081E-03 (1, 11, 9)
0.7160E-04 (1, 9, 11)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 12 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0 2	0.000	0.000	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.000	0.000
0 3	0.000	0.001	0.003	0.006	0.010	0.013	0.015	0.016	0.016	0.016	0.016	0.016	0.015	0.013	0.010	0.006	0.003	0.001	0.000
0 4	0.000	0.002	0.006	0.016	0.027	0.038	0.044	0.048	0.049	0.050	0.049	0.048	0.044	0.038	0.027	0.016	0.006	0.002	0.000
0 5	0.000	0.002	0.010	0.027	0.050	0.074	0.091	0.100	0.105	0.106	0.105	0.100	0.091	0.074	0.050	0.027	0.010	0.002	0.000
0 6	0.000	0.003	0.013	0.038	0.074	0.118	0.154	0.177	0.190	0.194	0.190	0.177	0.154	0.118	0.074	0.038	0.013	0.003	0.000
0 7	0.000	0.003	0.015	0.044	0.091	0.154	0.217	0.264	0.297	0.306	0.297	0.264	0.217	0.154	0.091	0.044	0.015	0.003	0.000
0 8	0.000	0.003	0.016	0.048	0.100	0.177	0.264	0.342	0.412	0.441	0.412	0.343	0.264	0.177	0.100	0.048	0.016	0.003	0.000
0 9	0.000	0.003	0.016	0.049	0.105	0.190	0.297	0.412	0.550	0.667	0.550	0.412	0.297	0.190	0.105	0.049	0.016	0.003	0.000
0 10	0.000	0.003	0.016	0.050	0.106	0.194	0.306	0.441	0.667	1.210	0.667	0.441	0.306	0.194	0.106	0.050	0.016	0.003	0.000
0 11	0.000	0.003	0.016	0.049	0.105	0.190	0.297	0.412	0.550	0.667	0.550	0.412	0.297	0.190	0.105	0.049	0.016	0.003	0.000
0 12	0.000	0.003	0.016	0.048	0.100	0.177	0.264	0.343	0.412	0.441	0.412	0.342	0.264	0.177	0.100	0.048	0.016	0.003	0.000
0 13	0.000	0.003	0.015	0.044	0.091	0.154	0.217	0.264	0.297	0.306	0.297	0.264	0.217	0.154	0.091	0.044	0.015	0.003	0.000
0 14	0.000	0.003	0.013	0.038	0.074	0.118	0.154	0.177	0.190	0.194	0.190	0.177	0.154	0.118	0.074	0.038	0.013	0.003	0.000
0 15	0.000	0.002	0.010	0.027	0.050	0.074	0.091	0.100	0.105	0.106	0.105	0.100	0.091	0.074	0.050	0.027	0.010	0.002	0.000
0 16	0.000	0.002	0.006	0.016	0.027	0.038	0.044	0.048	0.049	0.050	0.049	0.048	0.044	0.038	0.027	0.016	0.006	0.002	0.000
0 17	0.000	0.001	0.003	0.006	0.010	0.013	0.015	0.016	0.016	0.016	0.016	0.016	0.015	0.013	0.010	0.006	0.003	0.001	0.000
0 18	0.000	0.000	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.000	0.000
0 19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TIME SUMMARY AT END OF TIME STEP 12 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	2457.18	40.9529	0.682549	0.284395E-01	0.778632E-04
STRESS PERIOD TIME	10190.7	169.846	2.83076	0.117948	0.322925E-03

21/7c

TOTAL SIMULATION TIME 10190.7 169.846 2.83076 0.117948 0.322925E-03

1
7 ITERATIONS FOR TIME STEP 13 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1324E-01 (1, 14, 14) -0.1395E-01 (1, 8, 10) -0.1491E-01 (1, 10, 10) -0.4989E-02 (1, 10, 10) -0.3388E-03 (1, 13, 14)
0.1018E-03 (1, 9, 11) 0.7374E-04 (1, 10, 10)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 13 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000
0 2	0.000	0.001	0.002	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.004	0.002	0.001	0.000
0 3	0.000	0.002	0.006	0.012	0.018	0.022	0.024	0.026	0.026	0.026	0.026	0.026	0.024	0.022	0.018	0.012	0.006	0.002	0.000
0 4	0.001	0.004	0.012	0.027	0.042	0.055	0.063	0.067	0.069	0.069	0.069	0.067	0.063	0.055	0.042	0.027	0.012	0.004	0.001
0 5	0.001	0.005	0.018	0.042	0.070	0.098	0.117	0.127	0.132	0.134	0.132	0.127	0.117	0.098	0.070	0.042	0.018	0.005	0.001
0 6	0.001	0.006	0.022	0.055	0.098	0.146	0.185	0.209	0.223	0.227	0.223	0.209	0.185	0.146	0.098	0.055	0.022	0.006	0.001
0 7	0.001	0.006	0.024	0.063	0.117	0.185	0.251	0.299	0.333	0.342	0.333	0.299	0.251	0.185	0.117	0.063	0.024	0.006	0.001
0 8	0.001	0.007	0.026	0.067	0.127	0.209	0.299	0.379	0.450	0.479	0.450	0.379	0.299	0.209	0.127	0.067	0.026	0.007	0.001
0 9	0.001	0.007	0.026	0.069	0.132	0.223	0.333	0.450	0.588	0.705	0.588	0.450	0.333	0.223	0.132	0.069	0.026	0.007	0.001
0 10	0.001	0.007	0.026	0.069	0.134	0.227	0.342	0.479	0.705	1.248	0.705	0.479	0.342	0.227	0.134	0.069	0.026	0.007	0.001
0 11	0.001	0.007	0.026	0.069	0.132	0.223	0.333	0.450	0.588	0.705	0.588	0.450	0.333	0.223	0.132	0.069	0.026	0.007	0.001
0 12	0.001	0.007	0.026	0.067	0.127	0.209	0.299	0.379	0.450	0.479	0.450	0.379	0.299	0.209	0.127	0.067	0.026	0.007	0.001
0 13	0.001	0.006	0.024	0.063	0.117	0.185	0.251	0.299	0.333	0.342	0.333	0.299	0.251	0.185	0.117	0.063	0.024	0.006	0.001
0 14	0.001	0.006	0.022	0.055	0.098	0.146	0.185	0.209	0.223	0.227	0.223	0.209	0.185	0.146	0.098	0.055	0.022	0.006	0.001
0 15	0.001	0.005	0.018	0.042	0.070	0.098	0.117	0.127	0.132	0.134	0.132	0.127	0.117	0.098	0.070	0.042	0.018	0.005	0.001
0 16	0.001	0.004	0.012	0.027	0.042	0.055	0.063	0.067	0.069	0.069	0.069	0.067	0.063	0.055	0.042	0.027	0.012	0.004	0.001
0 17	0.000	0.002	0.006	0.012	0.018	0.022	0.024	0.026	0.026	0.026	0.026	0.026	0.024	0.022	0.018	0.012	0.006	0.002	0.000
0 18	0.000	0.001	0.002	0.004	0.005	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.004	0.002	0.001	0.000
0 19	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000

TIME SUMMARY AT END OF TIME STEP 13 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	3194.33	53.2388	0.887313	0.369714E-01	0.101222E-03
STRESS PERIOD TIME	13385.1	223.084	3.71807	0.154920	0.424147E-03
TOTAL SIMULATION TIME	13385.1	223.084	3.71807	0.154920	0.424147E-03

24/ee

9 ITERATIONS FOR TIME STEP 14 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -0.1241E-01 (1, 15, 14) -0.1317E-01 (1, 7, 8) -0.1569E-01 (1, 10, 10) -0.6504E-02 (1, 10, 10) -0.5365E-03 (1, 13, 14)
 0.1429E-03 (1, 9, 10) 0.1272E-03 (1, 10, 10) 0.1052E-03 (1, 10, 10) 0.2597E-04 (1, 12, 12)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 14 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.000	0.000	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.000	0.000
0 2	0.000	0.002	0.004	0.007	0.009	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.011	0.009	0.007	0.004	0.002	0.000
0 3	0.001	0.004	0.012	0.021	0.029	0.034	0.037	0.039	0.040	0.040	0.040	0.039	0.037	0.034	0.029	0.021	0.012	0.004	0.001
0 4	0.002	0.007	0.021	0.040	0.059	0.075	0.084	0.089	0.091	0.092	0.091	0.089	0.084	0.075	0.059	0.040	0.021	0.007	0.002
0 5	0.002	0.009	0.029	0.059	0.093	0.124	0.145	0.156	0.162	0.163	0.162	0.156	0.145	0.124	0.093	0.059	0.029	0.009	0.002
0 6	0.002	0.011	0.034	0.075	0.124	0.176	0.217	0.242	0.257	0.260	0.257	0.242	0.217	0.176	0.124	0.075	0.034	0.011	0.002
0 7	0.002	0.012	0.037	0.084	0.145	0.217	0.285	0.335	0.369	0.378	0.369	0.335	0.285	0.217	0.145	0.084	0.037	0.012	0.002
0 8	0.002	0.012	0.039	0.089	0.156	0.242	0.335	0.416	0.487	0.516	0.487	0.416	0.335	0.242	0.156	0.089	0.039	0.012	0.002
0 9	0.002	0.012	0.040	0.091	0.162	0.257	0.369	0.487	0.626	0.743	0.626	0.487	0.369	0.257	0.162	0.091	0.040	0.012	0.002
0 10	0.002	0.012	0.040	0.092	0.163	0.260	0.378	0.516	0.743	1.286	0.743	0.516	0.378	0.260	0.163	0.092	0.040	0.012	0.002
0 11	0.002	0.012	0.040	0.091	0.162	0.257	0.369	0.487	0.626	0.743	0.626	0.487	0.369	0.257	0.162	0.091	0.040	0.012	0.002
0 12	0.002	0.012	0.039	0.089	0.156	0.242	0.335	0.416	0.487	0.516	0.487	0.416	0.335	0.242	0.156	0.089	0.039	0.012	0.002
0 13	0.002	0.012	0.037	0.084	0.145	0.217	0.285	0.335	0.369	0.378	0.369	0.335	0.285	0.217	0.145	0.084	0.037	0.012	0.002
0 14	0.002	0.011	0.034	0.075	0.124	0.176	0.217	0.242	0.257	0.260	0.257	0.242	0.217	0.176	0.124	0.075	0.034	0.011	0.002
0 15	0.002	0.009	0.029	0.059	0.093	0.124	0.145	0.156	0.162	0.163	0.162	0.156	0.145	0.124	0.093	0.059	0.029	0.009	0.002
0 16	0.002	0.007	0.021	0.040	0.059	0.075	0.084	0.089	0.091	0.092	0.091	0.089	0.084	0.075	0.059	0.040	0.021	0.007	0.002
0 17	0.001	0.004	0.012	0.021	0.029	0.034	0.037	0.039	0.040	0.040	0.040	0.039	0.037	0.034	0.029	0.021	0.012	0.004	0.001
0 18	0.000	0.002	0.004	0.007	0.009	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.011	0.009	0.007	0.004	0.002	0.000
0 19	0.000	0.000	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.000	0.000	0.000

TIME SUMMARY AT END OF TIME STEP 14 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	4152.63	69.2104	1.15351	0.480628E-01	0.131589E-03
STRESS PERIOD TIME	17537.7	292.295	4.87158	0.202983	0.555736E-03
TOTAL SIMULATION TIME	17537.7	292.295	4.87158	0.202983	0.555736E-03

9 ITERATIONS FOR TIME STEP 15 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

23/76

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1202E-01 (1, 15, 15) -0.1240E-01 (1, 7, 7) -0.1610E-01 (1, 10, 10) -0.8156E-02 (1, 10, 10) -0.8314E-03 (1, 13, 13)
 0.1887E-03 (1, 9, 10) 0.1983E-03 (1, 10, 10) 0.1678E-03 (1, 10, 10) 0.5060E-04 (1, 12, 12)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 15 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.001	0.001	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.001	0.001
0 2	0.001	0.004	0.009	0.013	0.017	0.019	0.020	0.020	0.021	0.021	0.021	0.020	0.020	0.019	0.017	0.013	0.009	0.004	0.001
0 3	0.003	0.009	0.020	0.033	0.043	0.050	0.054	0.056	0.057	0.057	0.057	0.056	0.054	0.050	0.043	0.033	0.020	0.009	0.003
0 4	0.004	0.013	0.033	0.058	0.080	0.098	0.108	0.114	0.116	0.117	0.116	0.114	0.108	0.098	0.080	0.058	0.033	0.013	0.004
0 5	0.004	0.017	0.043	0.080	0.118	0.152	0.174	0.186	0.193	0.194	0.193	0.186	0.174	0.152	0.118	0.080	0.043	0.017	0.004
0 6	0.005	0.019	0.050	0.098	0.152	0.208	0.251	0.277	0.292	0.295	0.292	0.277	0.251	0.208	0.152	0.098	0.050	0.019	0.005
0 7	0.005	0.020	0.054	0.108	0.174	0.251	0.320	0.371	0.405	0.414	0.405	0.371	0.320	0.251	0.174	0.108	0.054	0.020	0.005
0 8	0.005	0.020	0.056	0.114	0.186	0.277	0.371	0.453	0.524	0.553	0.524	0.453	0.371	0.277	0.186	0.114	0.056	0.020	0.005
0 9	0.005	0.021	0.057	0.116	0.193	0.292	0.405	0.524	0.664	0.781	0.664	0.524	0.405	0.292	0.193	0.116	0.057	0.021	0.005
0 10	0.005	0.021	0.057	0.117	0.194	0.295	0.414	0.553	0.781	1.324	0.781	0.553	0.414	0.295	0.194	0.117	0.057	0.021	0.005
0 11	0.005	0.021	0.057	0.116	0.193	0.292	0.405	0.524	0.664	0.781	0.664	0.524	0.405	0.292	0.193	0.116	0.057	0.021	0.005
0 12	0.005	0.020	0.056	0.114	0.186	0.277	0.371	0.453	0.524	0.553	0.524	0.453	0.371	0.277	0.186	0.114	0.056	0.020	0.005
0 13	0.005	0.020	0.054	0.108	0.174	0.251	0.320	0.371	0.405	0.414	0.405	0.371	0.320	0.251	0.174	0.108	0.054	0.020	0.005
0 14	0.005	0.019	0.050	0.098	0.152	0.208	0.251	0.277	0.292	0.295	0.292	0.277	0.251	0.208	0.152	0.098	0.050	0.019	0.005
0 15	0.004	0.017	0.043	0.080	0.118	0.152	0.174	0.186	0.193	0.194	0.193	0.186	0.174	0.152	0.118	0.080	0.043	0.017	0.004
0 16	0.004	0.013	0.033	0.058	0.080	0.098	0.108	0.114	0.116	0.117	0.116	0.114	0.108	0.098	0.080	0.058	0.033	0.013	0.004
0 17	0.003	0.009	0.020	0.033	0.043	0.050	0.054	0.056	0.057	0.057	0.057	0.056	0.054	0.050	0.043	0.033	0.020	0.009	0.003
0 18	0.001	0.004	0.009	0.013	0.017	0.019	0.020	0.020	0.021	0.021	0.021	0.020	0.020	0.019	0.017	0.013	0.009	0.004	0.001
0 19	0.001	0.001	0.003	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.003	0.001	0.001

TIME SUMMARY AT END OF TIME STEP 15 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	5398.41	89.9735	1.49956	0.624816E-01	0.171065E-03
STRESS PERIOD TIME	22936.1	382.268	6.37114	0.265464	0.726801E-03
TOTAL SIMULATION TIME	22936.1	382.268	6.37114	0.265464	0.726801E-03

1
 9 ITERATIONS FOR TIME STEP 16 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

24/76

-0.1145E-01 (1, 15, 15) -0.1175E-01 (1, 6, 7) -0.1615E-01 (1, 10, 10) -0.9877E-02 (1, 10, 10) -0.1250E-02 (1, 13, 13)
 0.2371E-03 (1, 9, 9) 0.2855E-03 (1, 10, 10) 0.2493E-03 (1, 10, 10) 0.9156E-04 (1, 12, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 16 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.002	0.003	0.006	0.008	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.009	0.009	0.008	0.006	0.003	0.002
0 2	0.003	0.009	0.016	0.022	0.027	0.030	0.031	0.032	0.032	0.032	0.032	0.032	0.031	0.030	0.027	0.022	0.016	0.009	0.003
0 3	0.006	0.016	0.032	0.048	0.061	0.069	0.074	0.076	0.077	0.077	0.077	0.076	0.074	0.069	0.061	0.048	0.032	0.016	0.006
0 4	0.008	0.022	0.048	0.078	0.104	0.124	0.135	0.141	0.144	0.144	0.144	0.141	0.135	0.124	0.104	0.078	0.048	0.022	0.008
0 5	0.009	0.027	0.061	0.104	0.146	0.183	0.206	0.218	0.225	0.226	0.225	0.218	0.206	0.183	0.146	0.104	0.061	0.027	0.009
0 6	0.009	0.030	0.069	0.124	0.183	0.241	0.285	0.311	0.327	0.330	0.327	0.311	0.285	0.241	0.183	0.124	0.069	0.030	0.009
0 7	0.010	0.031	0.074	0.135	0.206	0.285	0.356	0.407	0.442	0.451	0.442	0.407	0.356	0.285	0.206	0.135	0.074	0.031	0.010
0 8	0.010	0.032	0.076	0.141	0.218	0.311	0.407	0.489	0.561	0.591	0.561	0.489	0.407	0.311	0.218	0.141	0.076	0.032	0.010
0 9	0.010	0.032	0.077	0.144	0.225	0.327	0.442	0.561	0.701	0.818	0.701	0.561	0.442	0.327	0.225	0.144	0.077	0.032	0.010
0 10	0.010	0.032	0.077	0.144	0.226	0.330	0.451	0.591	0.818	1.362	0.818	0.591	0.451	0.330	0.226	0.144	0.077	0.032	0.010
0 11	0.010	0.032	0.077	0.144	0.225	0.327	0.442	0.561	0.701	0.818	0.701	0.561	0.442	0.327	0.225	0.144	0.077	0.032	0.010
0 12	0.010	0.032	0.076	0.141	0.218	0.311	0.407	0.489	0.561	0.591	0.561	0.489	0.407	0.311	0.218	0.141	0.076	0.032	0.010
0 13	0.010	0.031	0.074	0.135	0.206	0.285	0.356	0.407	0.442	0.451	0.442	0.407	0.356	0.285	0.206	0.135	0.074	0.031	0.010
0 14	0.009	0.030	0.069	0.124	0.183	0.241	0.285	0.311	0.327	0.330	0.327	0.311	0.285	0.241	0.183	0.124	0.069	0.030	0.009
0 15	0.009	0.027	0.061	0.104	0.146	0.183	0.206	0.218	0.225	0.226	0.225	0.218	0.206	0.183	0.146	0.104	0.061	0.027	0.009
0 16	0.008	0.022	0.048	0.078	0.104	0.124	0.135	0.141	0.144	0.144	0.144	0.141	0.135	0.124	0.104	0.078	0.048	0.022	0.008
0 17	0.006	0.016	0.032	0.048	0.061	0.069	0.074	0.076	0.077	0.077	0.077	0.076	0.074	0.069	0.061	0.048	0.032	0.016	0.006
0 18	0.003	0.009	0.016	0.022	0.027	0.030	0.031	0.032	0.032	0.032	0.032	0.032	0.031	0.030	0.027	0.022	0.016	0.009	0.003
0 19	0.002	0.003	0.006	0.008	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.009	0.009	0.008	0.006	0.003	0.002

0

TIME SUMMARY AT END OF TIME STEP 16 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	7017.94	116.966	1.94943	0.812261E-01	0.222385E-03
STRESS PERIOD TIME	29954.0	499.234	8.32057	0.346690	0.949186E-03
TOTAL SIMULATION TIME	29954.0	499.234	8.32057	0.346690	0.949186E-03

1

10 ITERATIONS FOR TIME STEP 17 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1115E-01 (1, 16, 16) -0.1129E-01 (1, 6, 6) -0.1592E-01 (1, 11, 10) -0.1162E-01 (1, 10, 10) -0.1813E-02 (1, 13, 13)
 0.2948E-03 (1, 9, 9) 0.3852E-03 (1, 10, 10) 0.3476E-03 (1, 10, 10) 0.1575E-03 (1, 11, 11) -0.2634E-04 (1, 10, 9)

25/76

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 17 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.004	0.008	0.012	0.014	0.016	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.016	0.014	0.012	0.008	0.004
0 2	0.008	0.016	0.026	0.035	0.041	0.045	0.047	0.048	0.048	0.048	0.048	0.048	0.047	0.045	0.041	0.035	0.026	0.016	0.008
0 3	0.012	0.026	0.047	0.067	0.082	0.092	0.097	0.099	0.101	0.101	0.101	0.099	0.097	0.092	0.082	0.067	0.047	0.026	0.012
0 4	0.014	0.035	0.067	0.102	0.131	0.152	0.164	0.170	0.173	0.174	0.173	0.170	0.164	0.152	0.131	0.102	0.067	0.035	0.014
0 5	0.016	0.041	0.082	0.131	0.176	0.214	0.239	0.251	0.258	0.260	0.258	0.251	0.239	0.214	0.176	0.131	0.082	0.041	0.016
0 6	0.017	0.045	0.092	0.152	0.214	0.275	0.320	0.347	0.362	0.366	0.362	0.347	0.320	0.275	0.214	0.152	0.092	0.045	0.017
0 7	0.018	0.047	0.097	0.164	0.239	0.320	0.392	0.443	0.478	0.488	0.478	0.443	0.392	0.320	0.239	0.164	0.097	0.047	0.018
0 8	0.018	0.048	0.099	0.170	0.251	0.347	0.443	0.526	0.598	0.628	0.598	0.526	0.443	0.347	0.251	0.170	0.099	0.048	0.018
0 9	0.018	0.048	0.101	0.173	0.258	0.362	0.478	0.598	0.739	0.856	0.739	0.598	0.478	0.362	0.258	0.173	0.101	0.048	0.018
0 10	0.018	0.048	0.101	0.174	0.260	0.366	0.488	0.628	0.856	1.399	0.856	0.628	0.488	0.366	0.260	0.174	0.101	0.048	0.018
0 11	0.018	0.048	0.101	0.173	0.258	0.362	0.478	0.598	0.739	0.856	0.739	0.598	0.478	0.362	0.258	0.173	0.101	0.048	0.018
0 12	0.018	0.048	0.099	0.170	0.251	0.347	0.443	0.526	0.598	0.628	0.598	0.526	0.443	0.347	0.251	0.170	0.099	0.048	0.018
0 13	0.018	0.047	0.097	0.164	0.239	0.320	0.392	0.443	0.478	0.488	0.478	0.443	0.392	0.320	0.239	0.164	0.097	0.047	0.018
0 14	0.017	0.045	0.092	0.152	0.214	0.275	0.320	0.347	0.362	0.366	0.362	0.347	0.320	0.275	0.214	0.152	0.092	0.045	0.017
0 15	0.016	0.041	0.082	0.131	0.176	0.214	0.239	0.251	0.258	0.260	0.258	0.251	0.239	0.214	0.176	0.131	0.082	0.041	0.016
0 16	0.014	0.035	0.067	0.102	0.131	0.152	0.164	0.170	0.173	0.174	0.173	0.170	0.164	0.152	0.131	0.102	0.067	0.035	0.014
0 17	0.012	0.026	0.047	0.067	0.082	0.092	0.097	0.099	0.101	0.101	0.101	0.099	0.097	0.092	0.082	0.067	0.047	0.026	0.012
0 18	0.008	0.016	0.026	0.035	0.041	0.045	0.047	0.048	0.048	0.048	0.048	0.048	0.047	0.045	0.041	0.035	0.026	0.016	0.008
0 19	0.004	0.008	0.012	0.014	0.016	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.016	0.014	0.012	0.008	0.004

0

TIME SUMMARY AT END OF TIME STEP 17 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	9123.32	152.055	2.53425	0.105594	0.289100E-03
STRESS PERIOD TIME	39077.4	651.289	10.8548	0.452284	0.123829E-02
TOTAL SIMULATION TIME	39077.4	651.289	10.8548	0.452284	0.123829E-02

1

10 ITERATIONS FOR TIME STEP 18 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1123E-01 (1, 16, 17) -0.1108E-01 (1, 5, 5) -0.1552E-01 (1, 11, 9) -0.1337E-01 (1, 10, 9) -0.2560E-02 (1, 13, 13)
0.3496E-03 (1, 9, 9) 0.4936E-03 (1, 10, 10) 0.4621E-03 (1, 10, 9) 0.2549E-03 (1, 10, 10) 0.3526E-04 (1, 15, 8)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

24/28

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 18 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.010	0.015	0.021	0.026	0.028	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.030	0.028	0.026	0.021	0.015	0.010
0 2	0.015	0.027	0.041	0.052	0.060	0.064	0.066	0.067	0.068	0.068	0.068	0.067	0.066	0.064	0.060	0.052	0.041	0.027	0.015
0 3	0.021	0.041	0.067	0.090	0.107	0.118	0.124	0.126	0.128	0.128	0.128	0.126	0.124	0.118	0.107	0.090	0.067	0.041	0.021
0 4	0.026	0.052	0.090	0.129	0.160	0.183	0.196	0.202	0.205	0.206	0.205	0.202	0.196	0.183	0.160	0.129	0.090	0.052	0.026
0 5	0.028	0.060	0.107	0.160	0.208	0.248	0.273	0.286	0.293	0.294	0.293	0.286	0.273	0.248	0.208	0.160	0.107	0.060	0.028
0 6	0.030	0.064	0.118	0.183	0.248	0.310	0.356	0.383	0.399	0.402	0.399	0.383	0.356	0.310	0.248	0.183	0.118	0.064	0.030
0 7	0.031	0.066	0.124	0.196	0.273	0.356	0.429	0.480	0.515	0.525	0.515	0.480	0.429	0.356	0.273	0.196	0.124	0.066	0.031
0 8	0.031	0.067	0.126	0.202	0.286	0.383	0.480	0.564	0.636	0.665	0.636	0.564	0.480	0.383	0.286	0.202	0.126	0.067	0.031
0 9	0.031	0.068	0.128	0.205	0.293	0.399	0.515	0.636	0.776	0.894	0.776	0.636	0.515	0.399	0.293	0.205	0.128	0.068	0.031
0 10	0.031	0.068	0.128	0.206	0.294	0.402	0.525	0.665	0.894	1.437	0.894	0.665	0.525	0.402	0.294	0.206	0.128	0.068	0.031
0 11	0.031	0.068	0.128	0.205	0.293	0.399	0.516	0.636	0.776	0.894	0.776	0.636	0.515	0.399	0.293	0.205	0.128	0.068	0.031
0 12	0.031	0.067	0.126	0.202	0.286	0.383	0.480	0.564	0.636	0.665	0.636	0.564	0.480	0.383	0.286	0.202	0.126	0.067	0.031
0 13	0.031	0.066	0.124	0.196	0.273	0.356	0.429	0.480	0.515	0.525	0.515	0.480	0.429	0.356	0.273	0.196	0.124	0.066	0.031
0 14	0.030	0.064	0.118	0.183	0.248	0.310	0.356	0.383	0.399	0.402	0.399	0.383	0.356	0.310	0.248	0.183	0.118	0.064	0.030
0 15	0.028	0.060	0.107	0.160	0.208	0.248	0.273	0.286	0.293	0.294	0.293	0.286	0.273	0.248	0.208	0.160	0.107	0.060	0.028
0 16	0.026	0.052	0.090	0.129	0.160	0.183	0.196	0.202	0.205	0.206	0.205	0.202	0.196	0.183	0.160	0.129	0.090	0.052	0.026
0 17	0.021	0.041	0.067	0.090	0.107	0.118	0.124	0.126	0.128	0.128	0.128	0.126	0.124	0.118	0.107	0.090	0.067	0.041	0.021
0 18	0.015	0.027	0.041	0.052	0.060	0.064	0.066	0.067	0.068	0.068	0.068	0.067	0.066	0.064	0.060	0.052	0.041	0.027	0.015
0 19	0.010	0.015	0.021	0.026	0.028	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.030	0.028	0.026	0.021	0.015	0.010

TIME SUMMARY AT END OF TIME STEP 18 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	11860.3	197.672	3.29453	0.137272	0.375831E-03
STRESS PERIOD TIME	50937.7	848.961	14.1494	0.589556	0.161412E-02
TOTAL SIMULATION TIME	50937.7	848.961	14.1494	0.589556	0.161412E-02

1
10 ITERATIONS FOR TIME STEP 19 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE	LAYER,ROW,COL	HEAD CHANGE	LAYER,ROW,COL	HEAD CHANGE	LAYER,ROW,COL	HEAD CHANGE	LAYER,ROW,COL	HEAD CHANGE	LAYER,ROW,COL
-0.1209E-01	(1, 17, 17)	-0.1130E-01	(1, 4, 5)	-0.1520E-01	(1, 12, 8)	-0.1524E-01	(1, 10, 9)	-0.3676E-02	(1, 8, 8)
0.4015E-03	(1, 8, 8)	0.6085E-03	(1, 10, 10)	0.5897E-03	(1, 10, 9)	0.3943E-03	(1, 10, 10)	0.6031E-04	(1, 7, 15)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 19 IN STRESS PERIOD 1

27/76

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.020	0.028	0.037	0.042	0.046	0.048	0.049	0.049	0.049	0.050	0.049	0.049	0.049	0.048	0.046	0.042	0.037	0.028	0.020
0 2	0.028	0.044	0.061	0.074	0.083	0.088	0.091	0.092	0.092	0.093	0.092	0.092	0.091	0.088	0.083	0.074	0.061	0.044	0.028
0 3	0.037	0.061	0.091	0.117	0.135	0.147	0.154	0.156	0.158	0.158	0.158	0.156	0.154	0.147	0.135	0.117	0.091	0.061	0.037
0 4	0.042	0.074	0.117	0.159	0.192	0.216	0.229	0.236	0.239	0.240	0.239	0.236	0.230	0.216	0.192	0.159	0.117	0.074	0.042
0 5	0.046	0.083	0.135	0.192	0.242	0.283	0.309	0.322	0.329	0.331	0.329	0.322	0.309	0.283	0.242	0.192	0.135	0.083	0.046
0 6	0.048	0.088	0.147	0.216	0.283	0.347	0.393	0.420	0.436	0.440	0.436	0.420	0.393	0.347	0.283	0.216	0.147	0.088	0.048
0 7	0.049	0.091	0.154	0.229	0.309	0.393	0.466	0.518	0.554	0.563	0.554	0.518	0.466	0.393	0.309	0.229	0.154	0.091	0.049
0 8	0.049	0.092	0.156	0.236	0.322	0.420	0.518	0.602	0.674	0.704	0.674	0.602	0.518	0.420	0.322	0.236	0.156	0.092	0.049
0 9	0.049	0.092	0.158	0.239	0.329	0.436	0.554	0.674	0.815	0.932	0.815	0.674	0.554	0.436	0.329	0.239	0.158	0.092	0.049
0 10	0.050	0.093	0.158	0.240	0.331	0.440	0.563	0.704	0.932	1.476	0.932	0.704	0.563	0.440	0.331	0.240	0.158	0.093	0.050
0 11	0.049	0.092	0.158	0.239	0.329	0.436	0.554	0.674	0.815	0.932	0.815	0.674	0.554	0.436	0.329	0.239	0.158	0.092	0.049
0 12	0.049	0.092	0.156	0.236	0.322	0.420	0.518	0.602	0.674	0.704	0.674	0.602	0.518	0.420	0.322	0.236	0.156	0.092	0.049
0 13	0.049	0.091	0.154	0.230	0.309	0.393	0.466	0.518	0.554	0.563	0.554	0.518	0.466	0.393	0.309	0.229	0.154	0.091	0.049
0 14	0.048	0.088	0.147	0.216	0.283	0.347	0.393	0.420	0.436	0.440	0.436	0.420	0.393	0.347	0.283	0.216	0.147	0.088	0.048
0 15	0.046	0.083	0.135	0.192	0.242	0.283	0.309	0.322	0.329	0.331	0.329	0.322	0.309	0.283	0.242	0.192	0.135	0.083	0.046
0 16	0.042	0.074	0.117	0.159	0.192	0.216	0.229	0.236	0.239	0.240	0.239	0.236	0.229	0.216	0.192	0.159	0.117	0.074	0.042
0 17	0.037	0.061	0.091	0.117	0.135	0.147	0.154	0.156	0.158	0.158	0.158	0.156	0.154	0.147	0.135	0.117	0.091	0.061	0.037
0 18	0.028	0.044	0.061	0.074	0.083	0.088	0.091	0.092	0.092	0.093	0.092	0.092	0.091	0.088	0.083	0.074	0.061	0.044	0.028
0 19	0.020	0.028	0.037	0.042	0.046	0.048	0.049	0.049	0.049	0.050	0.049	0.049	0.049	0.048	0.046	0.042	0.037	0.028	0.020

TIME SUMMARY AT END OF TIME STEP 19 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	15418.4	256.973	4.28289	0.178454	0.488580E-03
STRESS PERIOD TIME	66356.1	1105.93	18.4322	0.768010	0.210270E-02
TOTAL SIMULATION TIME	66356.1	1105.93	18.4322	0.768010	0.210270E-02

11 ITERATIONS FOR TIME STEP 20 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1491E-01 (1, 16, 19) -0.1227E-01 (1, 4, 4) -0.1533E-01 (1, 13, 7) -0.1744E-01 (1, 10, 9) -0.5395E-02 (1, 10, 10)
0.5429E-03 (1, 7, 7) 0.7401E-03 (1, 8, 8) 0.7321E-03 (1, 10, 9) 0.5876E-03 (1, 10, 10) 0.1042E-03 (1, 7, 15)
-0.2101E-04 (1, 13, 12)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 20 IN STRESS PERIOD 1

28/76

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	0.038	0.049	0.059	0.066	0.071	0.073	0.074	0.075	0.075	0.075	0.075	0.075	0.074	0.073	0.071	0.066	0.059	0.049	0.038
0 2	0.049	0.068	0.087	0.103	0.112	0.118	0.121	0.122	0.123	0.123	0.123	0.122	0.121	0.118	0.112	0.103	0.087	0.068	0.049
0 3	0.059	0.087	0.121	0.149	0.169	0.181	0.188	0.191	0.193	0.193	0.193	0.191	0.188	0.181	0.169	0.149	0.121	0.087	0.059
0 4	0.066	0.103	0.149	0.194	0.228	0.253	0.267	0.273	0.277	0.277	0.277	0.273	0.267	0.253	0.228	0.194	0.149	0.103	0.066
0 5	0.071	0.112	0.169	0.228	0.280	0.322	0.347	0.361	0.368	0.370	0.368	0.361	0.347	0.322	0.280	0.228	0.169	0.112	0.071
0 6	0.073	0.118	0.181	0.253	0.322	0.386	0.432	0.460	0.476	0.480	0.476	0.460	0.432	0.386	0.322	0.253	0.181	0.118	0.073
0 7	0.074	0.121	0.188	0.267	0.347	0.432	0.506	0.558	0.594	0.603	0.594	0.558	0.506	0.432	0.347	0.267	0.188	0.121	0.074
0 8	0.075	0.122	0.191	0.273	0.361	0.460	0.558	0.642	0.715	0.744	0.715	0.642	0.558	0.460	0.361	0.273	0.191	0.122	0.075
0 9	0.075	0.123	0.193	0.277	0.368	0.476	0.594	0.715	0.855	0.973	0.855	0.715	0.594	0.476	0.368	0.277	0.193	0.123	0.075
0 10	0.075	0.123	0.193	0.277	0.370	0.480	0.603	0.744	0.973	1.516	0.973	0.744	0.603	0.480	0.370	0.277	0.193	0.123	0.075
0 11	0.075	0.123	0.193	0.277	0.368	0.476	0.594	0.715	0.855	0.973	0.855	0.715	0.594	0.476	0.368	0.277	0.193	0.123	0.075
0 12	0.075	0.122	0.191	0.273	0.361	0.460	0.558	0.642	0.715	0.744	0.715	0.642	0.558	0.460	0.361	0.273	0.191	0.122	0.075
0 13	0.074	0.121	0.188	0.267	0.347	0.432	0.506	0.558	0.594	0.603	0.594	0.558	0.506	0.432	0.347	0.267	0.188	0.121	0.074
0 14	0.073	0.118	0.181	0.253	0.322	0.386	0.432	0.460	0.476	0.480	0.476	0.460	0.432	0.386	0.322	0.253	0.181	0.118	0.073
0 15	0.071	0.112	0.169	0.228	0.280	0.322	0.347	0.361	0.368	0.370	0.368	0.361	0.347	0.322	0.280	0.228	0.169	0.112	0.071
0 16	0.066	0.103	0.149	0.194	0.228	0.253	0.267	0.273	0.277	0.277	0.277	0.273	0.267	0.253	0.228	0.194	0.149	0.103	0.066
0 17	0.059	0.087	0.121	0.149	0.169	0.181	0.188	0.191	0.193	0.193	0.193	0.191	0.188	0.181	0.169	0.149	0.121	0.087	0.059
0 18	0.049	0.068	0.087	0.103	0.112	0.118	0.121	0.122	0.123	0.123	0.123	0.122	0.121	0.118	0.112	0.103	0.087	0.068	0.049
0 19	0.038	0.049	0.059	0.066	0.071	0.073	0.074	0.075	0.075	0.075	0.075	0.075	0.074	0.073	0.071	0.066	0.059	0.049	0.038

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 20 IN STRESS PERIOD 1

	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
0	IN:		IN:	
	---		---	
	STORAGE =	345.60	STORAGE =	0.39998E-02
	CONSTANT HEAD =	0.	CONSTANT HEAD =	0.
	WELLS =	0.	WELLS =	0.
0	TOTAL IN =	345.60	TOTAL IN =	0.39998E-02
0	OUT:		OUT:	
	----		----	
	STORAGE =	0.	STORAGE =	0.
	CONSTANT HEAD =	0.	CONSTANT HEAD =	0.
	WELLS =	345.60	WELLS =	0.40000E-02
0	TOTAL OUT =	345.60	TOTAL OUT =	0.40000E-02
0	IN - OUT =	0.42114E-02	IN - OUT =	-0.17043E-06
0	PERCENT DISCREPANCY =	0.00	PERCENT DISCREPANCY =	0.00

*Compare to
0.4150E-02
from "true"
solution.*

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0

TIME SUMMARY AT END OF TIME STEP 20 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	20043.9	334.065	5.56776	0.231990	0.635154E-03
STRESS PERIOD TIME	86400.0	1440.00	24.0000	1.00000	0.273785E-02
TOTAL SIMULATION TIME	86400.0	1440.00	24.0000	1.00000	0.273785E-02

1

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pcl5

JOB 23

pr1a_true.out

*Output file from MODFLOW V 1.31 run of
instructional problem 1a. Run on SUN Sparc 10/SUNOS*

Gordon Wittmeyer 3/27/96

For: gwitt
Date: Tue Mar 26 11:17:17 CST 1996
Submit queue: IF 1 / Ethernet / UHSW
Submitted: Thu Jan 31 02:55:45 1991
Started: Thu Jan 31 02:55:45 1991

1 U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER MODEL
Otheis problem full grid 1/4/90 pfa

1 LAYERS 19 ROWS 19 COLUMNS

1 STRESS PERIOD(S) IN SIMULATION

MODEL TIME UNIT IS SECONDS

OI/O UNITS:

ELEMENT OF IUNIT: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

I/O UNIT: 11 12 0 0 0 0 0 0 19 0 0 22 0 0 0 0 0 0 0 0 0 0 0

OBAS1 -- BASIC MODEL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 1

ARRAYS RHS AND BUFF WILL SHARE MEMORY.

START HEAD WILL BE SAVED

3291 ELEMENTS IN X ARRAY ARE USED BY BAS

3291 ELEMENTS OF X ARRAY USED OUT OF 100000

OBCF1 -- BLOCK-CENTERED FLOW PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 11

TRANSIENT SIMULATION

LAYER AQUIFER TYPE

1 0

362 ELEMENTS IN X ARRAY ARE USED BY BCF

3653 ELEMENTS OF X ARRAY USED OUT OF 100000

OWEL1 -- WELL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM 12

MAXIMUM OF 1 WELLS

4 ELEMENTS IN X ARRAY ARE USED FOR WELLS

3657 ELEMENTS OF X ARRAY USED OUT OF 100000

OSIP1 -- STRONGLY IMPLICIT PROCEDURE SOLUTION PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 19

MAXIMUM OF 50 ITERATIONS ALLOWED FOR CLOSURE

5 ITERATION PARAMETERS

1649 ELEMENTS IN X ARRAY ARE USED BY SIP

5306 ELEMENTS OF X ARRAY USED OUT OF 100000

1theis problem full grid 1/4/90 pfa

0 BOUNDARY ARRAY = 1 FOR LAYER 1

0 AQUIFER HEAD WILL BE SET TO 999.00 AT ALL NO-FLOW NODES (IBOUND=0).

0 INITIAL HEAD = .0000000 FOR LAYER 1

0 HEAD PRINT FORMAT IS FORMAT NUMBER 10 DRAWDOWN PRINT FORMAT IS FORMAT NUMBER 10

0 HEADS WILL BE SAVED ON UNIT 0 DRAWDOWNS WILL BE SAVED ON UNIT 0

0 OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP

0 COLUMN TO ROW ANISOTROPY = 1.000000

0

DELTA WILL BE READ ON UNIT 11 USING FORMAT: (7G11.4)

300.00 200.00 150.00 100.00 80.000 60.000 40.000 30.000 30.000 20.000
30.000 30.000 40.000 60.000 80.000 100.00 150.00 200.00 300.00

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0

DELC WILL BE READ ON UNIT 11 USING FORMAT: (7G11.4)

300.00	200.00	150.00	100.00	80.000	60.000	40.000	30.000	30.000	20.000
30.000	30.000	40.000	60.000	80.000	100.00	150.00	200.00	300.00	

0
0
0

PRIMARY STORAGE COEF = .7500000E-03 FOR LAYER 1
 TRANSMIS. ALONG ROWS = .2300000E-02 FOR LAYER 1

SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE

0

0
1

MAXIMUM ITERATIONS ALLOWED FOR CLOSURE = 50
 ACCELERATION PARAMETER = 1.0000
 HEAD CHANGE CRITERION FOR CLOSURE = .10000E-03
 SIP HEAD CHANGE PRINTOUT INTERVAL = 1
 CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED
 STRESS PERIOD NO. 1, LENGTH = 86400.00

NUMBER OF TIME STEPS = 20

MULTIPLIER FOR DELT = 1.300

INITIAL TIME STEP SIZE = 137.1069

0

1 WELLS

LAYER	ROW	COL	STRESS RATE	WELL NO.
1	10	10	-.40000E-02	1

DAVERAGE SEED = .00230768
 MINIMUM SEED = .00009053

0

5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

.0000000E+00 .7808236E+00 .9519617E+00 .9894711E+00 .9976923E+00

0

4 ITERATIONS FOR TIME STEP 1 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.4806 (1, 10, 10) -.2019E-01 (1, 9, 11) -.7150E-03 (1, 12, 10) .3509E-04 (1, 12, 9)

0

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OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
PRINTOUT PRINTOUT SAVE SAVE

0 1 0 0

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 1 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 6	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 7	.000	.000	.000	.000	.000	.000	.000	.001	.002	.003	.002	.001	.000	.000	.000	.000	.000	.000	.000
0 8	.000	.000	.000	.000	.000	.000	.001	.004	.010	.017	.010	.004	.001	.000	.000	.000	.000	.000	.000
0 9	.000	.000	.000	.000	.000	.000	.002	.010	.037	.093	.037	.010	.002	.000	.000	.000	.000	.000	.000
0 10	.000	.000	.000	.000	.000	.000	.003	.017	.093	491	.093	.017	.003	.000	.000	.000	.000	.000	.000
0 11	.000	.000	.000	.000	.000	.000	.002	.010	.037	.093	.037	.010	.002	.000	.000	.000	.000	.000	.000
0 12	.000	.000	.000	.000	.000	.000	.001	.004	.010	.017	.010	.004	.001	.000	.000	.000	.000	.000	.000
0 13	.000	.000	.000	.000	.000	.000	.000	.001	.002	.003	.002	.001	.000	.000	.000	.000	.000	.000	.000
0 14	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 16	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 1 IN STRESS PERIOD 1

0	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
	-----		-----	
	IN:		IN:	
	---		---	
	STORAGE =	.54843	STORAGE =	.40000E-02
	CONSTANT HEAD =	.00000	CONSTANT HEAD =	.00000
	WELLS =	.00000	WELLS =	.00000
0	TOTAL IN =	.54843	TOTAL IN =	.40000E-02
0	OUT:		OUT:	

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STORAGE = .00000
 CONSTANT HEAD = .00000
 WELLS = .54843
 TOTAL OUT = .54843
 IN - OUT = .11921E-06
 PERCENT DISCREPANCY = .00

STORAGE = .00000
 CONSTANT HEAD = .00000
 WELLS = .40000E-02
 TOTAL OUT = .40000E-02
 IN - OUT = .93132E-09
 PERCENT DISCREPANCY = .00

TIME SUMMARY AT END OF TIME STEP 1 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	137.107	2.28512	.380853E-01	.158689E-02	.434466E-05
STRESS PERIOD TIME	137.107	2.28512	.380853E-01	.158689E-02	.434466E-05
TOTAL SIMULATION TIME	137.107	2.28512	.380853E-01	.158689E-02	.434466E-05

4 ITERATIONS FOR TIME STEP 2 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1764 (1, 10, 10) -.1433E-01 (1, 10, 10) -.6273E-03 (1, 12, 10) .3618E-04 (1, 10, 10)

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

DRAWDOWN IN LAYER 1 AT END OF TIME STEP 2 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 6	.000	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000	.000
0 7	.000	.000	.000	.000	.000	.000	.002	.005	.009	.011	.009	.005	.002	.000	.000	.000	.000	.000	.000
0 8	.000	.000	.000	.000	.000	.001	.005	.015	.033	.048	.033	.015	.005	.001	.000	.000	.000	.000	.000
0 9	.000	.000	.000	.000	.000	.001	.009	.033	.094	.182	.094	.033	.009	.001	.000	.000	.000	.000	.000
0 10	.000	.000	.000	.000	.000	.001	.011	.048	.182	.682	.182	.048	.011	.001	.000	.000	.000	.000	.000
0 11	.000	.000	.000	.000	.000	.001	.009	.033	.094	.182	.094	.033	.009	.001	.000	.000	.000	.000	.000
0 12	.000	.000	.000	.000	.000	.001	.005	.015	.033	.048	.033	.015	.005	.001	.000	.000	.000	.000	.000

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0 13 .000 .000 .000 .000 .000 .000 .002 .005 .009 .011 .009 .005 .002 .000 .000 .000 .000 .000 .000
 0 14 .000 .000 .000 .000 .000 .000 .000 .001 .001 .001 .001 .001 .000 .000 .000 .000 .000 .000 .000
 0 15 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 16 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 17 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 18 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 19 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0

TIME SUMMARY AT END OF TIME STEP 2 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	178.239	2.97065	.495108E-01	.206295E-02	.564805E-05
STRESS PERIOD TIME	315.346	5.25577	.875961E-01	.364984E-02	.999271E-05
TOTAL SIMULATION TIME	315.346	5.25577	.875961E-01	.364984E-02	.999271E-05

1
 4 ITERATIONS FOR TIME STEP 3 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.8147E-01 (1, 10, 10) -.1632E-01 (1, 10, 10) -.1118E-02 (1, 10, 10) .3290E-04 (1, 10, 10)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 3 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 5	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 6	.000	.000	.000	.000	.000	.000	.002	.003	.004	.004	.004	.003	.002	.000	.000	.000	.000	.000	.000
0 7	.000	.000	.000	.000	.000	.002	.006	.013	.022	.025	.022	.013	.006	.002	.000	.000	.000	.000	.000
0 8	.000	.000	.000	.000	.000	.003	.013	.035	.066	.085	.066	.035	.013	.003	.000	.000	.000	.000	.000
0 9	.000	.000	.000	.000	.000	.004	.022	.066	.152	.255	.152	.066	.022	.004	.000	.000	.000	.000	.000
0 10	.000	.000	.000	.000	.000	.004	.025	.085	.255	.781	.255	.085	.025	.004	.000	.000	.000	.000	.000
0 11	.000	.000	.000	.000	.000	.004	.022	.066	.152	.255	.152	.066	.022	.004	.000	.000	.000	.000	.000
0 12	.000	.000	.000	.000	.000	.003	.013	.035	.066	.085	.066	.035	.013	.003	.000	.000	.000	.000	.000
0 13	.000	.000	.000	.000	.000	.002	.006	.013	.022	.025	.022	.013	.006	.002	.000	.000	.000	.000	.000
0 14	.000	.000	.000	.000	.000	.000	.002	.003	.004	.004	.004	.003	.002	.000	.000	.000	.000	.000	.000
0 15	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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0 16 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 17 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 18 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0 19 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000 .000
 0

TIME SUMMARY AT END OF TIME STEP 3 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	231.711	3.86185	.643641E-01	.268184E-02	.734247E-05
STRESS PERIOD TIME	547.057	9.11761	.151960	.633167E-02	.173352E-04
TOTAL SIMULATION TIME	547.057	9.11761	.151960	.633167E-02	.173352E-04

1
 4 ITERATIONS FOR TIME STEP 4 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.4945E-01 (1, 10, 10) -.1755E-01 (1, 10, 10) -.1933E-02 (1, 10, 10) -.4737E-04 (1, 9, 13)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 4 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 5	.000	.000	.000	.000	.000	.000	.001	.001	.001	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000
0 6	.000	.000	.000	.000	.000	.002	.004	.008	.010	.011	.010	.008	.004	.002	.000	.000	.000	.000	.000
0 7	.000	.000	.000	.000	.001	.004	.014	.028	.041	.045	.041	.028	.014	.004	.001	.000	.000	.000	.000
0 8	.000	.000	.000	.000	.001	.008	.028	.061	.103	.126	.103	.061	.028	.008	.001	.000	.000	.000	.000
0 9	.000	.000	.000	.000	.001	.010	.041	.103	.207	.316	.207	.103	.041	.010	.001	.000	.000	.000	.000
0 10	.000	.000	.000	.000	.002	.011	.045	.126	.316	.850	.316	.126	.045	.011	.002	.000	.000	.000	.000
0 11	.000	.000	.000	.000	.001	.010	.041	.103	.207	.316	.207	.103	.041	.010	.001	.000	.000	.000	.000
0 12	.000	.000	.000	.000	.001	.008	.028	.061	.103	.126	.103	.061	.028	.008	.001	.000	.000	.000	.000
0 13	.000	.000	.000	.000	.001	.004	.014	.028	.041	.045	.041	.028	.014	.004	.001	.000	.000	.000	.000
0 14	.000	.000	.000	.000	.000	.002	.004	.008	.010	.011	.010	.008	.004	.002	.000	.000	.000	.000	.000
0 15	.000	.000	.000	.000	.000	.000	.001	.001	.001	.002	.001	.001	.001	.000	.000	.000	.000	.000	.000
0 16	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

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0 19 .000
0

TIME SUMMARY AT END OF TIME STEP 4 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	301.224	5.02040	.836733E-01	.348639E-02	.954521E-05
STRESS PERIOD TIME	848.281	14.1380	.235633	.981806E-02	.268804E-04
TOTAL SIMULATION TIME	848.281	14.1380	.235633	.981806E-02	.268804E-04

1

5 ITERATIONS FOR TIME STEP 5 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

O HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.3570E-01 (1, 10, 11) -.1841E-01 (1, 10, 10) -.2934E-02 (1, 10, 10) -.1005E-03 (1, 8, 12) .2208E-04 (1, 10, 10)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1

DRAWDOWN IN LAYER 1 AT END OF TIME STEP 5 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 5	.000	.000	.000	.000	.000	.001	.002	.003	.004	.004	.004	.003	.002	.001	.000	.000	.000	.000	.000
0 6	.000	.000	.000	.000	.001	.004	.010	.016	.020	.021	.020	.016	.010	.004	.001	.000	.000	.000	.000
0 7	.000	.000	.000	.000	.002	.010	.028	.048	.065	.071	.065	.048	.028	.010	.002	.000	.000	.000	.000
0 8	.000	.000	.000	.000	.003	.016	.048	.092	.142	.167	.142	.092	.048	.016	.003	.000	.000	.000	.000
0 9	.000	.000	.000	.000	.004	.020	.065	.142	.257	.369	.257	.142	.065	.020	.004	.000	.000	.000	.000
0 10	.000	.000	.000	.000	.004	.021	.071	.167	.369	.907	.369	.167	.071	.021	.004	.000	.000	.000	.000
0 11	.000	.000	.000	.000	.004	.020	.065	.142	.257	.369	.257	.142	.065	.020	.004	.000	.000	.000	.000
0 12	.000	.000	.000	.000	.003	.016	.048	.092	.142	.167	.142	.092	.048	.016	.003	.000	.000	.000	.000
0 13	.000	.000	.000	.000	.002	.010	.028	.048	.065	.071	.065	.048	.028	.010	.002	.000	.000	.000	.000
0 14	.000	.000	.000	.000	.001	.004	.010	.016	.020	.021	.020	.016	.010	.004	.001	.000	.000	.000	.000
0 15	.000	.000	.000	.000	.000	.001	.002	.003	.004	.004	.004	.003	.002	.001	.000	.000	.000	.000	.000
0 16	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

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TIME SUMMARY AT END OF TIME STEP 5 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	391.591	6.52652	.108775	.453230E-02	.124088E-04
STRESS PERIOD TIME	1239.87	20.6645	.344409	.143504E-01	.392892E-04
TOTAL SIMULATION TIME	1239.87	20.6645	.344409	.143504E-01	.392892E-04

1
5 ITERATIONS FOR TIME STEP 6 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.2947E-01 (1, 11, 11) -.1897E-01 (1, 10, 10) -.4167E-02 (1, 10, 10) -.1973E-03 (1, 8, 12) .4428E-04 (1, 10, 10)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 6 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000
0 5	.000	.000	.000	.000	.001	.003	.005	.007	.008	.008	.008	.007	.005	.003	.001	.000	.000	.000	.000
0 6	.000	.000	.000	.001	.003	.010	.020	.028	.034	.035	.034	.028	.020	.010	.003	.001	.000	.000	.000
0 7	.000	.000	.000	.001	.005	.020	.046	.072	.093	.100	.093	.072	.046	.020	.005	.001	.000	.000	.000
0 8	.000	.000	.000	.001	.007	.028	.072	.126	.182	.208	.182	.126	.072	.028	.007	.001	.000	.000	.000
0 9	.000	.000	.000	.001	.008	.034	.093	.182	.304	.418	.304	.182	.093	.034	.008	.001	.000	.000	.000
0 10	.000	.000	.000	.001	.008	.035	.100	.208	.418	.957	.418	.208	.100	.035	.008	.001	.000	.000	.000
0 11	.000	.000	.000	.001	.008	.034	.093	.182	.304	.418	.304	.182	.093	.034	.008	.001	.000	.000	.000
0 12	.000	.000	.000	.001	.007	.028	.072	.126	.182	.208	.182	.126	.072	.028	.007	.001	.000	.000	.000
0 13	.000	.000	.000	.001	.005	.020	.046	.072	.093	.100	.093	.072	.046	.020	.005	.001	.000	.000	.000
0 14	.000	.000	.000	.001	.003	.010	.020	.028	.034	.035	.034	.028	.020	.010	.003	.001	.000	.000	.000
0 15	.000	.000	.000	.000	.001	.003	.005	.007	.008	.008	.008	.007	.005	.003	.001	.000	.000	.000	.000
0 16	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000
0 17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

TIME SUMMARY AT END OF TIME STEP 6 IN STRESS PERIOD 1

SECONDS	MINUTES	HOURS	DAYS	YEARS
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TIME STEP LENGTH      509.068      8.48447      .141408      .589200E-02      .161314E-04
STRESS PERIOD TIME    1748.94      29.1490      .485817      .202424E-01      .554206E-04
TOTAL SIMULATION TIME 1748.94      29.1490      .485817      .202424E-01      .554206E-04

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1
5 ITERATIONS FOR TIME STEP 7 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

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-.2444E-01 ( 1, 11, 11)  -.1919E-01 ( 1, 10, 10)  -.5626E-02 ( 1, 10, 10)  -.3569E-03 ( 1, 8, 12)  .7793E-04 ( 1, 10, 10)

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0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 7 IN STRESS PERIOD 1

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.000	.001	.002	.002	.003	.003	.003	.003	.003	.002	.002	.001	.000	.000	.000	.000
0 5	.000	.000	.000	.001	.003	.007	.011	.014	.015	.016	.015	.014	.011	.007	.003	.001	.000	.000	.000
0 6	.000	.000	.000	.002	.007	.019	.034	.045	.053	.054	.053	.045	.034	.019	.007	.002	.000	.000	.000
0 7	.000	.000	.000	.002	.011	.034	.068	.100	.124	.132	.124	.100	.068	.034	.011	.002	.000	.000	.000
0 8	.000	.000	.000	.003	.014	.045	.100	.161	.221	.248	.221	.161	.100	.045	.014	.003	.000	.000	.000
0 9	.000	.000	.000	.003	.015	.053	.124	.221	.349	.463	.349	.221	.124	.053	.015	.003	.000	.000	.000
0 10	.000	.000	.000	.003	.016	.054	.132	.248	.463	1.004	.463	.248	.132	.054	.016	.003	.000	.000	.000
0 11	.000	.000	.000	.003	.015	.053	.124	.221	.349	.463	.349	.221	.124	.053	.015	.003	.000	.000	.000
0 12	.000	.000	.000	.003	.014	.045	.100	.161	.221	.248	.221	.161	.100	.045	.014	.003	.000	.000	.000
0 13	.000	.000	.000	.002	.011	.034	.068	.100	.124	.132	.124	.100	.068	.034	.011	.002	.000	.000	.000
0 14	.000	.000	.000	.002	.007	.019	.034	.045	.053	.054	.053	.045	.034	.019	.007	.002	.000	.000	.000
0 15	.000	.000	.000	.001	.003	.007	.011	.014	.015	.016	.015	.014	.011	.007	.003	.001	.000	.000	.000
0 16	.000	.000	.000	.000	.001	.002	.002	.003	.003	.003	.003	.003	.002	.002	.001	.000	.000	.000	.000
0 17	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

TIME SUMMARY AT END OF TIME STEP 7 IN STRESS PERIOD 1

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	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	661.789	11.0298	.183830	.765959E-02	.209708E-04
STRESS PERIOD TIME	2410.73	40.1788	.669647	.279020E-01	.763914E-04

24/06

TOTAL SIMULATION TIME 2410.73 40.1788 .669647 .279020E-01 .763914E-04

1
6 ITERATIONS FOR TIME STEP 8 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.2021E-01 (1, 11, 11) -.1900E-01 (1, 10, 10) -.7264E-02 (1, 10, 10) -.6073E-03 (1, 8, 12) .1240E-03 (1, 10, 10)
.1371E-04 (1, 8, 12)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 8 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000
0 4	.000	.000	.000	.001	.002	.004	.005	.006	.007	.007	.007	.006	.005	.004	.002	.001	.000	.000	.000
0 5	.000	.000	.000	.002	.006	.013	.020	.024	.026	.027	.026	.024	.020	.013	.006	.002	.000	.000	.000
0 6	.000	.000	.001	.004	.013	.031	.051	.066	.075	.077	.075	.066	.051	.031	.013	.004	.001	.000	.000
0 7	.000	.000	.001	.005	.020	.051	.093	.130	.157	.165	.157	.130	.094	.051	.020	.005	.001	.000	.000
0 8	.000	.000	.001	.006	.024	.066	.130	.197	.260	.288	.260	.197	.130	.066	.024	.006	.001	.000	.000
0 9	.000	.000	.001	.007	.026	.075	.157	.260	.391	.507	.391	.260	.157	.075	.026	.007	.001	.000	.000
0 10	.000	.000	.001	.007	.027	.077	.165	.288	.507	1.048	.507	.288	.165	.077	.027	.007	.001	.000	.000
0 11	.000	.000	.001	.007	.026	.075	.157	.260	.391	.507	.391	.260	.157	.075	.026	.007	.001	.000	.000
0 12	.000	.000	.001	.006	.024	.066	.130	.197	.260	.288	.260	.197	.130	.066	.024	.006	.001	.000	.000
0 13	.000	.000	.001	.005	.020	.051	.094	.130	.157	.165	.157	.130	.093	.051	.020	.005	.001	.000	.000
0 14	.000	.000	.001	.004	.013	.031	.051	.066	.075	.077	.075	.066	.051	.031	.013	.004	.001	.000	.000
0 15	.000	.000	.000	.002	.006	.013	.020	.024	.026	.027	.026	.024	.020	.013	.006	.002	.000	.000	.000
0 16	.000	.000	.000	.001	.002	.004	.005	.006	.007	.007	.007	.006	.005	.004	.002	.001	.000	.000	.000
0 17	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

TIME SUMMARY AT END OF TIME STEP 8 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	860.325	14.3388	.238979	.995747E-02	.272621E-04
STRESS PERIOD TIME	3271.05	54.5176	.908626	.378594E-01	.103653E-03
TOTAL SIMULATION TIME	3271.05	54.5176	.908626	.378594E-01	.103653E-03

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6 ITERATIONS FOR TIME STEP 9 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.1670E-01 (1, 13, 11) -.1843E-01 (1, 10, 10) -.9002E-02 (1, 10, 10) -.1031E-02 (1, 10, 10) .1795E-03 (1, 10, 10)
 .2339E-04 (1, 8, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 9 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.000	.001	.002	.002	.002	.002	.002	.002	.002	.002	.002	.001	.000	.000	.000	.000
0 4	.000	.000	.000	.002	.005	.008	.010	.012	.012	.013	.012	.012	.010	.008	.005	.002	.000	.000	.000
0 5	.000	.000	.001	.005	.012	.023	.032	.038	.041	.041	.041	.038	.032	.023	.012	.005	.001	.000	.000
0 6	.000	.000	.002	.008	.023	.048	.073	.090	.100	.103	.100	.090	.073	.048	.023	.008	.002	.000	.000
0 7	.000	.000	.002	.010	.032	.073	.122	.162	.191	.199	.191	.162	.122	.073	.032	.010	.002	.000	.000
0 8	.000	.000	.002	.012	.038	.090	.162	.233	.298	.327	.298	.233	.162	.090	.038	.012	.002	.000	.000
0 9	.000	.000	.002	.012	.041	.100	.191	.298	.432	.548	.432	.298	.191	.100	.041	.012	.002	.000	.000
0 10	.000	.000	.002	.013	.041	.103	.199	.327	.548	1.090	.548	.327	.199	.103	.041	.013	.002	.000	.000
0 11	.000	.000	.002	.012	.041	.100	.191	.298	.432	.548	.432	.298	.191	.100	.041	.012	.002	.000	.000
0 12	.000	.000	.002	.012	.038	.090	.162	.233	.298	.327	.298	.233	.162	.090	.038	.012	.002	.000	.000
0 13	.000	.000	.002	.010	.032	.073	.122	.162	.191	.199	.191	.162	.122	.073	.032	.010	.002	.000	.000
0 14	.000	.000	.002	.008	.023	.048	.073	.090	.100	.103	.100	.090	.073	.048	.023	.008	.002	.000	.000
0 15	.000	.000	.001	.005	.012	.023	.032	.038	.041	.041	.041	.038	.032	.023	.012	.005	.001	.000	.000
0 16	.000	.000	.000	.002	.005	.008	.010	.012	.012	.013	.012	.012	.010	.008	.005	.002	.000	.000	.000
0 17	.000	.000	.000	.000	.001	.002	.002	.002	.002	.002	.002	.002	.002	.002	.001	.000	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

TIME SUMMARY AT END OF TIME STEP 9 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	1118.42	18.6404	.310673	.129447E-01	.354407E-04
STRESS PERIOD TIME	4389.48	73.1580	1.21930	.508041E-01	.139094E-03
TOTAL SIMULATION TIME	4389.48	73.1580	1.21930	.508041E-01	.139094E-03

1

6 ITERATIONS FOR TIME STEP 10 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

94/26

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.1526E-01 (1, 13, 13) -.1751E-01 (1, 10, 10) -.1074E-01 (1, 10, 10) -.1681E-02 (1, 10, 10) .2361E-03 (1, 10, 10)
 .3656E-04 (1, 8, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 10 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000
0 3	.000	.000	.000	.001	.002	.004	.004	.005	.005	.005	.005	.005	.004	.004	.002	.001	.000	.000	.000
0 4	.000	.000	.001	.004	.009	.015	.018	.020	.021	.022	.021	.020	.018	.015	.009	.004	.001	.000	.000
0 5	.000	.000	.002	.009	.021	.036	.048	.055	.059	.060	.059	.055	.048	.036	.021	.009	.002	.000	.000
0 6	.000	.000	.004	.015	.036	.068	.097	.117	.129	.131	.129	.117	.097	.068	.036	.015	.004	.000	.000
0 7	.000	.001	.004	.018	.048	.097	.152	.195	.226	.234	.226	.195	.152	.097	.048	.018	.004	.001	.000
0 8	.000	.001	.005	.020	.055	.117	.195	.269	.337	.365	.337	.269	.195	.117	.055	.020	.005	.001	.000
0 9	.000	.001	.005	.021	.059	.129	.226	.337	.472	.589	.472	.337	.226	.129	.059	.021	.005	.001	.000
0 10	.000	.001	.005	.022	.060	.131	.234	.365	.589	1.131	.589	.365	.234	.131	.060	.022	.005	.001	.000
0 11	.000	.001	.005	.021	.059	.129	.226	.337	.472	.589	.472	.337	.226	.129	.059	.021	.005	.001	.000
0 12	.000	.001	.005	.020	.055	.117	.195	.269	.337	.365	.337	.269	.195	.117	.055	.020	.005	.001	.000
0 13	.000	.001	.004	.018	.048	.097	.152	.195	.226	.234	.226	.195	.152	.097	.048	.018	.004	.001	.000
0 14	.000	.000	.004	.015	.036	.068	.097	.117	.129	.131	.129	.117	.097	.068	.036	.015	.004	.000	.000
0 15	.000	.000	.002	.009	.021	.036	.048	.055	.059	.060	.059	.055	.048	.036	.021	.009	.002	.000	.000
0 16	.000	.000	.001	.004	.009	.015	.018	.020	.021	.022	.021	.020	.018	.015	.009	.004	.001	.000	.000
0 17	.000	.000	.000	.001	.002	.004	.004	.005	.005	.005	.005	.005	.004	.004	.002	.001	.000	.000	.000
0 18	.000	.000	.000	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

TIME SUMMARY AT END OF TIME STEP 10 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	1453.95	24.2325	.403875	.168281E-01	.460729E-04
STRESS PERIOD TIME	5843.43	97.3904	1.62317	.676323E-01	.185167E-03
TOTAL SIMULATION TIME	5843.43	97.3904	1.62317	.676323E-01	.185167E-03

1

6 ITERATIONS FOR TIME STEP 11 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

43/76

-.1427E-01 (1, 14, 13) -.1630E-01 (1, 10, 10) -.1237E-01 (1, 10, 10) -.2555E-02 (1, 10, 10) .2848E-03 (1, 10, 9)
 .5291E-04 (1, 8, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
 REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 11 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.000	.001	.001	.001	.001	.002	.002	.002	.002	.002	.001	.001	.001	.001	.000	.000	.000
0 3	.000	.000	.001	.003	.005	.007	.008	.009	.009	.009	.009	.009	.008	.007	.005	.003	.001	.000	.000
0 4	.000	.001	.003	.009	.017	.024	.030	.032	.034	.034	.034	.032	.030	.024	.017	.009	.003	.001	.000
0 5	.000	.001	.005	.017	.034	.053	.068	.076	.081	.082	.081	.076	.068	.053	.034	.017	.005	.001	.000
0 6	.000	.001	.007	.024	.053	.091	.125	.146	.159	.162	.159	.146	.125	.092	.053	.024	.007	.001	.000
0 7	.000	.001	.008	.030	.068	.125	.184	.229	.261	.270	.261	.229	.184	.125	.068	.030	.008	.001	.000
0 8	.000	.002	.009	.032	.076	.146	.229	.306	.375	.403	.375	.306	.229	.146	.076	.032	.009	.002	.000
0 9	.000	.002	.009	.034	.081	.159	.261	.375	.512	.628	.512	.375	.261	.159	.081	.034	.009	.002	.000
0 10	.000	.002	.009	.034	.082	.162	.270	.403	.628	1.171	.628	.403	.270	.162	.082	.034	.009	.002	.000
0 11	.000	.002	.009	.034	.081	.159	.261	.375	.512	.628	.512	.375	.261	.159	.081	.034	.009	.002	.000
0 12	.000	.002	.009	.032	.076	.146	.229	.306	.375	.403	.375	.306	.229	.146	.076	.032	.009	.002	.000
0 13	.000	.001	.008	.030	.068	.125	.184	.229	.261	.270	.261	.229	.184	.125	.068	.030	.008	.001	.000
0 14	.000	.001	.007	.024	.053	.092	.125	.146	.159	.162	.159	.146	.125	.091	.053	.024	.007	.001	.000
0 15	.000	.001	.005	.017	.034	.053	.068	.076	.081	.082	.081	.076	.068	.053	.034	.017	.005	.001	.000
0 16	.000	.001	.003	.009	.017	.024	.030	.032	.034	.034	.034	.032	.030	.024	.017	.009	.003	.001	.000
0 17	.000	.000	.001	.003	.005	.007	.008	.009	.009	.009	.009	.009	.008	.007	.005	.003	.001	.000	.000
0 18	.000	.000	.000	.001	.001	.001	.001	.002	.002	.002	.002	.002	.001	.001	.001	.001	.000	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

TIME SUMMARY AT END OF TIME STEP 11 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	1890.13	31.5022	.525037	.218766E-01	.598948E-04
STRESS PERIOD TIME	7733.56	128.893	2.14821	.895088E-01	.245062E-03
TOTAL SIMULATION TIME	7733.56	128.893	2.14821	.895088E-01	.245062E-03

1

6 ITERATIONS FOR TIME STEP 12 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1380E-01 (1, 14, 14) -.1511E-01 (1, 8, 10) -.1379E-01 (1, 10, 10) -.3662E-02 (1, 10, 10) .3081E-03 (1, 11, 9)
 .7160E-04 (1, 9, 11)

22/7/4

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 12 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
0 2	.000	.000	.001	.002	.002	.003	.003	.003	.003	.003	.003	.003	.003	.003	.002	.002	.001	.000	.000
0 3	.000	.001	.003	.006	.010	.013	.015	.016	.016	.016	.016	.016	.015	.013	.010	.006	.003	.001	.000
0 4	.000	.002	.006	.016	.027	.038	.044	.048	.049	.050	.049	.048	.044	.038	.027	.016	.006	.002	.000
0 5	.000	.002	.010	.027	.050	.074	.091	.100	.105	.106	.105	.100	.091	.074	.050	.027	.010	.002	.000
0 6	.000	.003	.013	.038	.074	.118	.154	.177	.190	.194	.190	.177	.154	.118	.074	.038	.013	.003	.000
0 7	.000	.003	.015	.044	.091	.154	.217	.264	.297	.306	.297	.264	.217	.154	.091	.044	.015	.003	.000
0 8	.000	.003	.016	.048	.100	.177	.264	.342	.412	.441	.412	.343	.264	.177	.100	.048	.016	.003	.000
0 9	.000	.003	.016	.049	.105	.190	.297	.412	.550	.667	.550	.412	.297	.190	.105	.049	.016	.003	.000
0 10	.000	.003	.016	.050	.106	.194	.306	.441	.667	1.210	.667	.441	.306	.194	.106	.050	.016	.003	.000
0 11	.000	.003	.016	.049	.105	.190	.297	.412	.550	.667	.550	.412	.297	.190	.105	.049	.016	.003	.000
0 12	.000	.003	.016	.048	.100	.177	.264	.343	.412	.441	.412	.342	.264	.177	.100	.048	.016	.003	.000
0 13	.000	.003	.015	.044	.091	.154	.217	.264	.297	.306	.297	.264	.217	.154	.091	.044	.015	.003	.000
0 14	.000	.003	.013	.038	.074	.118	.154	.177	.190	.194	.190	.177	.154	.118	.074	.038	.013	.003	.000
0 15	.000	.002	.010	.027	.050	.074	.091	.100	.105	.106	.105	.100	.091	.074	.050	.027	.010	.002	.000
0 16	.000	.002	.006	.016	.027	.038	.044	.048	.049	.050	.049	.048	.044	.038	.027	.016	.006	.002	.000
0 17	.000	.001	.003	.006	.010	.013	.015	.016	.016	.016	.016	.016	.015	.013	.010	.006	.003	.001	.000
0 18	.000	.000	.001	.002	.002	.003	.003	.003	.003	.003	.003	.003	.003	.003	.002	.002	.001	.000	.000
0 19	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

0

TIME SUMMARY AT END OF TIME STEP 12 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	2457.18	40.9529	.682549	.284395E-01	.778632E-04
STRESS PERIOD TIME	10190.7	169.846	2.83076	.117948	.322925E-03
TOTAL SIMULATION TIME	10190.7	169.846	2.83076	.117948	.322925E-03

1

7 ITERATIONS FOR TIME STEP 13 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1324E-01 (1, 14, 14) -.1395E-01 (1, 8, 10) -.1491E-01 (1, 10, 10) -.4989E-02 (1, 10, 10) -.3388E-03 (1, 13, 14)
.1018E-03 (1, 9, 11) .7374E-04 (1, 10, 10)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

4/5/76

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 13 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000
0 2	.000	.001	.002	.004	.005	.006	.006	.007	.007	.007	.007	.007	.006	.006	.005	.004	.002	.001	.000
0 3	.000	.002	.006	.012	.018	.022	.024	.026	.026	.026	.026	.026	.024	.022	.018	.012	.006	.002	.000
0 4	.001	.004	.012	.027	.042	.055	.063	.067	.069	.069	.069	.067	.063	.055	.042	.027	.012	.004	.001
0 5	.001	.005	.018	.042	.070	.098	.117	.127	.132	.134	.132	.127	.117	.098	.070	.042	.018	.005	.001
0 6	.001	.006	.022	.055	.098	.146	.185	.209	.223	.227	.223	.209	.185	.146	.098	.055	.022	.006	.001
0 7	.001	.006	.024	.063	.117	.185	.251	.299	.333	.342	.333	.299	.251	.185	.117	.063	.024	.006	.001
0 8	.001	.007	.026	.067	.127	.209	.299	.379	.450	.479	.450	.379	.299	.209	.127	.067	.026	.007	.001
0 9	.001	.007	.026	.069	.132	.223	.333	.450	.588	.705	.588	.450	.333	.223	.132	.069	.026	.007	.001
0 10	.001	.007	.026	.069	.134	.227	.342	.479	.705	1.248	.705	.479	.342	.227	.134	.069	.026	.007	.001
0 11	.001	.007	.026	.069	.132	.223	.333	.450	.588	.705	.588	.450	.333	.223	.132	.069	.026	.007	.001
0 12	.001	.007	.026	.067	.127	.209	.299	.379	.450	.479	.450	.379	.299	.209	.127	.067	.026	.007	.001
0 13	.001	.006	.024	.063	.117	.185	.251	.299	.333	.342	.333	.299	.251	.185	.117	.063	.024	.006	.001
0 14	.001	.006	.022	.055	.098	.146	.185	.209	.223	.227	.223	.209	.185	.146	.098	.055	.022	.006	.001
0 15	.001	.005	.018	.042	.070	.098	.117	.127	.132	.134	.132	.127	.117	.098	.070	.042	.018	.005	.001
0 16	.001	.004	.012	.027	.042	.055	.063	.067	.069	.069	.069	.067	.063	.055	.042	.027	.012	.004	.001
0 17	.000	.002	.006	.012	.018	.022	.024	.026	.026	.026	.026	.026	.024	.022	.018	.012	.006	.002	.000
0 18	.000	.001	.002	.004	.005	.006	.006	.007	.007	.007	.007	.007	.006	.006	.005	.004	.002	.001	.000
0 19	.000	.000	.000	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.000	.000	.000

TIME SUMMARY AT END OF TIME STEP 13 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	3194.33	53.2388	.887313	.369714E-01	.101222E-03
STRESS PERIOD TIME	13385.1	223.084	3.71807	.154920	.424147E-03
TOTAL SIMULATION TIME	13385.1	223.084	3.71807	.154920	.424147E-03

9 ITERATIONS FOR TIME STEP 14 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1241E-01 (1, 15, 14) -.1317E-01 (1, 7, 8) -.1569E-01 (1, 10, 10) -.6504E-02 (1, 10, 10) -.5365E-03 (1, 13, 14)
 .1429E-03 (1, 9, 10) .1272E-03 (1, 10, 10) .1052E-03 (1, 10, 10) .2597E-04 (1, 12, 12)

0 HEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 14 IN STRESS PERIOD 1

76/96

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.000	.000	.001	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.001	.000	.000
0 2	.000	.002	.004	.007	.009	.011	.012	.012	.012	.012	.012	.012	.012	.011	.009	.007	.004	.002	.000
0 3	.001	.004	.012	.021	.029	.034	.037	.039	.040	.040	.040	.039	.037	.034	.029	.021	.012	.004	.001
0 4	.002	.007	.021	.040	.059	.075	.084	.089	.091	.092	.091	.089	.084	.075	.059	.040	.021	.007	.002
0 5	.002	.009	.029	.059	.093	.124	.145	.156	.162	.163	.162	.156	.145	.124	.093	.059	.029	.009	.002
0 6	.002	.011	.034	.075	.124	.176	.217	.242	.257	.260	.257	.242	.217	.176	.124	.075	.034	.011	.002
0 7	.002	.012	.037	.084	.145	.217	.285	.335	.369	.378	.369	.335	.285	.217	.145	.084	.037	.012	.002
0 8	.002	.012	.039	.089	.156	.242	.335	.416	.487	.516	.487	.416	.335	.242	.156	.089	.039	.012	.002
0 9	.002	.012	.040	.091	.162	.257	.369	.487	.626	.743	.626	.487	.369	.257	.162	.091	.040	.012	.002
0 10	.002	.012	.040	.092	.163	.260	.378	.516	.743	1.286	.743	.516	.378	.260	.163	.092	.040	.012	.002
0 11	.002	.012	.040	.091	.162	.257	.369	.487	.626	.743	.626	.487	.369	.257	.162	.091	.040	.012	.002
0 12	.002	.012	.039	.089	.156	.242	.335	.416	.487	.516	.487	.416	.335	.242	.156	.089	.039	.012	.002
0 13	.002	.012	.037	.084	.145	.217	.285	.335	.369	.378	.369	.335	.285	.217	.145	.084	.037	.012	.002
0 14	.002	.011	.034	.075	.124	.176	.217	.242	.257	.260	.257	.242	.217	.176	.124	.075	.034	.011	.002
0 15	.002	.009	.029	.059	.093	.124	.145	.156	.162	.163	.162	.156	.145	.124	.093	.059	.029	.009	.002
0 16	.002	.007	.021	.040	.059	.075	.084	.089	.091	.092	.091	.089	.084	.075	.059	.040	.021	.007	.002
0 17	.001	.004	.012	.021	.029	.034	.037	.039	.040	.040	.040	.039	.037	.034	.029	.021	.012	.004	.001
0 18	.000	.002	.004	.007	.009	.011	.012	.012	.012	.012	.012	.012	.012	.011	.009	.007	.004	.002	.000
0 19	.000	.000	.001	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002	.001	.000	.000

TIME SUMMARY AT END OF TIME STEP 14 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	4152.63	69.2104	1.15351	.480628E-01	.131589E-03
STRESS PERIOD TIME	17537.7	292.295	4.87158	.202983	.555736E-03
TOTAL SIMULATION TIME	17537.7	292.295	4.87158	.202983	.555736E-03

9 ITERATIONS FOR TIME STEP 15 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1202E-01 (1, 15, 15) -.1240E-01 (1, 7, 7) -.1610E-01 (1, 10, 10) -.8156E-02 (1, 10, 10) -.8314E-03 (1, 13, 13)
.1887E-03 (1, 9, 10) .1983E-03 (1, 10, 10) .1678E-03 (1, 10, 10) .5060E-04 (1, 12, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 15 IN STRESS PERIOD 1

9446

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.001	.001	.003	.004	.004	.005	.005	.005	.005	.005	.005	.005	.005	.005	.004	.004	.003	.001	.001
0 2	.001	.004	.009	.013	.017	.019	.020	.020	.021	.021	.021	.020	.020	.019	.017	.013	.009	.004	.001
0 3	.003	.009	.020	.033	.043	.050	.054	.056	.057	.057	.057	.056	.054	.050	.043	.033	.020	.009	.003
0 4	.004	.013	.033	.058	.080	.098	.108	.114	.116	.117	.116	.114	.108	.098	.080	.058	.033	.013	.004
0 5	.004	.017	.043	.080	.118	.152	.174	.186	.193	.194	.193	.186	.174	.152	.118	.080	.043	.017	.004
0 6	.005	.019	.050	.098	.152	.208	.251	.277	.292	.295	.292	.277	.251	.208	.152	.098	.050	.019	.005
0 7	.005	.020	.054	.108	.174	.251	.320	.371	.405	.414	.405	.371	.320	.251	.174	.108	.054	.020	.005
0 8	.005	.020	.056	.114	.186	.277	.371	.453	.524	.553	.524	.453	.371	.277	.186	.114	.056	.020	.005
0 9	.005	.021	.057	.116	.193	.292	.405	.524	.664	.781	.664	.524	.405	.292	.193	.116	.057	.021	.005
0 10	.005	.021	.057	.117	.194	.295	.414	.553	.781	1.324	.781	.553	.414	.295	.194	.117	.057	.021	.005
0 11	.005	.021	.057	.116	.193	.292	.405	.524	.664	.781	.664	.524	.405	.292	.193	.116	.057	.021	.005
0 12	.005	.020	.056	.114	.186	.277	.371	.453	.524	.553	.524	.453	.371	.277	.186	.114	.056	.020	.005
0 13	.005	.020	.054	.108	.174	.251	.320	.371	.405	.414	.405	.371	.320	.251	.174	.108	.054	.020	.005
0 14	.005	.019	.050	.098	.152	.208	.251	.277	.292	.295	.292	.277	.251	.208	.152	.098	.050	.019	.005
0 15	.004	.017	.043	.080	.118	.152	.174	.186	.193	.194	.193	.186	.174	.152	.118	.080	.043	.017	.004
0 16	.004	.013	.033	.058	.080	.098	.108	.114	.116	.117	.116	.114	.108	.098	.080	.058	.033	.013	.004
0 17	.003	.009	.020	.033	.043	.050	.054	.056	.057	.057	.057	.056	.054	.050	.043	.033	.020	.009	.003
0 18	.001	.004	.009	.013	.017	.019	.020	.020	.021	.021	.021	.020	.020	.019	.017	.013	.009	.004	.001
0 19	.001	.001	.003	.004	.004	.005	.005	.005	.005	.005	.005	.005	.005	.005	.004	.004	.003	.001	.001

0

TIME SUMMARY AT END OF TIME STEP 15 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	5398.41	89.9735	1.49956	.624816E-01	.171065E-03
STRESS PERIOD TIME	22936.1	382.268	6.37114	.265464	.726801E-03
TOTAL SIMULATION TIME	22936.1	382.268	6.37114	.265464	.726801E-03

1

9 ITERATIONS FOR TIME STEP 16 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1145E-01 (1, 15, 15) -.1175E-01 (1, 6, 7) -.1615E-01 (1, 10, 10) -.9877E-02 (1, 10, 10) -.1250E-02 (1, 13, 13)
.2371E-03 (1, 9, 9) .2855E-03 (1, 10, 10) .2493E-03 (1, 10, 10) .9156E-04 (1, 12, 12)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 16 IN STRESS PERIOD 1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

74/86

0 1	.002	.003	.006	.008	.009	.009	.010	.010	.010	.010	.010	.010	.010	.009	.009	.008	.006	.003	.002
0 2	.003	.009	.016	.022	.027	.030	.031	.032	.032	.032	.032	.031	.030	.027	.022	.016	.009	.003	
0 3	.006	.016	.032	.048	.061	.069	.074	.076	.077	.077	.077	.076	.074	.069	.061	.048	.032	.016	.006
0 4	.008	.022	.048	.078	.104	.124	.135	.141	.144	.144	.144	.141	.135	.124	.104	.078	.048	.022	.008
0 5	.009	.027	.061	.104	.146	.183	.206	.218	.225	.226	.225	.218	.206	.183	.146	.104	.061	.027	.009
0 6	.009	.030	.069	.124	.183	.241	.285	.311	.327	.330	.327	.311	.285	.241	.183	.124	.069	.030	.009
0 7	.010	.031	.074	.135	.206	.285	.356	.407	.442	.451	.442	.407	.356	.285	.206	.135	.074	.031	.010
0 8	.010	.032	.076	.141	.218	.311	.407	.489	.561	.591	.561	.489	.407	.311	.218	.141	.076	.032	.010
0 9	.010	.032	.077	.144	.225	.327	.442	.561	.701	.818	.701	.561	.442	.327	.225	.144	.077	.032	.010
0 10	.010	.032	.077	.144	.226	.330	.451	.591	.818	1.362	.818	.591	.451	.330	.226	.144	.077	.032	.010
0 11	.010	.032	.077	.144	.225	.327	.442	.561	.701	.818	.701	.561	.442	.327	.225	.144	.077	.032	.010
0 12	.010	.032	.076	.141	.218	.311	.407	.489	.561	.591	.561	.489	.407	.311	.218	.141	.076	.032	.010
0 13	.010	.031	.074	.135	.206	.285	.356	.407	.442	.451	.442	.407	.356	.285	.206	.135	.074	.031	.010
0 14	.009	.030	.069	.124	.183	.241	.285	.311	.327	.330	.327	.311	.285	.241	.183	.124	.069	.030	.009
0 15	.009	.027	.061	.104	.146	.183	.206	.218	.225	.226	.225	.218	.206	.183	.146	.104	.061	.027	.009
0 16	.008	.022	.048	.078	.104	.124	.135	.141	.144	.144	.144	.141	.135	.124	.104	.078	.048	.022	.008
0 17	.006	.016	.032	.048	.061	.069	.074	.076	.077	.077	.077	.076	.074	.069	.061	.048	.032	.016	.006
0 18	.003	.009	.016	.022	.027	.030	.031	.032	.032	.032	.032	.032	.031	.030	.027	.022	.016	.009	.003
0 19	.002	.003	.006	.008	.009	.009	.010	.010	.010	.010	.010	.010	.010	.009	.009	.008	.006	.003	.002

TIME SUMMARY AT END OF TIME STEP 16 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	7017.94	116.966	1.94943	.812261E-01	.222385E-03
STRESS PERIOD TIME	29954.0	499.234	8.32057	.346690	.949186E-03
TOTAL SIMULATION TIME	29954.0	499.234	8.32057	.346690	.949186E-03

1
10 ITERATIONS FOR TIME STEP 17 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL	HEAD CHANGE LAYER,ROW,COL	HEAD CHANGE LAYER,ROW,COL	HEAD CHANGE LAYER,ROW,COL	HEAD CHANGE LAYER,ROW,COL
-.1115E-01 (1, 16, 16)	-.1129E-01 (1, 6, 6)	-.1592E-01 (1, 11, 10)	-.1162E-01 (1, 10, 10)	-.1813E-02 (1, 13, 13)
.2948E-03 (1, 9, 9)	.3852E-03 (1, 10, 10)	.3476E-03 (1, 10, 10)	.1575E-03 (1, 11, 11)	-.2635E-04 (1, 10, 9)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 17 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.004	.008	.012	.014	.016	.017	.018	.018	.018	.018	.018	.018	.018	.017	.016	.014	.012	.008	.004
0 2	.008	.016	.026	.035	.041	.045	.047	.048	.048	.048	.048	.048	.047	.045	.041	.035	.026	.016	.008

946h

0 3	.012	.026	.047	.067	.082	.092	.097	.099	.101	.101	.101	.099	.097	.092	.082	.067	.047	.026	.012
0 4	.014	.035	.067	.102	.131	.152	.164	.170	.173	.174	.173	.170	.164	.152	.131	.102	.067	.035	.014
0 5	.016	.041	.082	.131	.176	.214	.239	.251	.258	.260	.258	.251	.239	.214	.176	.131	.082	.041	.016
0 6	.017	.045	.092	.152	.214	.275	.320	.347	.362	.366	.362	.347	.320	.275	.214	.152	.092	.045	.017
0 7	.018	.047	.097	.164	.239	.320	.392	.443	.478	.488	.478	.443	.392	.320	.239	.164	.097	.047	.018
0 8	.018	.048	.099	.170	.251	.347	.443	.526	.598	.628	.598	.526	.443	.347	.251	.170	.099	.048	.018
0 9	.018	.048	.101	.173	.258	.362	.478	.598	.739	.856	.739	.598	.478	.362	.258	.173	.101	.048	.018
0 10	.018	.048	.101	.174	.260	.366	.488	.628	.856	1.399	.856	.628	.488	.366	.260	.174	.101	.048	.018
0 11	.018	.048	.101	.173	.258	.362	.478	.598	.739	.856	.739	.598	.478	.362	.258	.173	.101	.048	.018
0 12	.018	.048	.099	.170	.251	.347	.443	.526	.598	.628	.598	.526	.443	.347	.251	.170	.099	.048	.018
0 13	.018	.047	.097	.164	.239	.320	.392	.443	.478	.488	.478	.443	.392	.320	.239	.164	.097	.047	.018
0 14	.017	.045	.092	.152	.214	.275	.320	.347	.362	.366	.362	.347	.320	.275	.214	.152	.092	.045	.017
0 15	.016	.041	.082	.131	.176	.214	.239	.251	.258	.260	.258	.251	.239	.214	.176	.131	.082	.041	.016
0 16	.014	.035	.067	.102	.131	.152	.164	.170	.173	.174	.173	.170	.164	.152	.131	.102	.067	.035	.014
0 17	.012	.026	.047	.067	.082	.092	.097	.099	.101	.101	.101	.099	.097	.092	.082	.067	.047	.026	.012
0 18	.008	.016	.026	.035	.041	.045	.047	.048	.048	.048	.048	.048	.047	.045	.041	.035	.026	.016	.008
0 19	.004	.008	.012	.014	.016	.017	.018	.018	.018	.018	.018	.018	.018	.017	.016	.014	.012	.008	.004

TIME SUMMARY AT END OF TIME STEP 17 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	9123.32	152.055	2.53425	.105594	.289100E-03
STRESS PERIOD TIME	39077.4	651.289	10.8548	.452284	.123829E-02
TOTAL SIMULATION TIME	39077.4	651.289	10.8548	.452284	.123829E-02

1
10 ITERATIONS FOR TIME STEP 18 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1123E-01 (1, 16, 17) -.1108E-01 (1, 5, 5) -.1552E-01 (1, 11, 9) -.1337E-01 (1, 10, 9) -.2560E-02 (1, 13, 13)
.3496E-03 (1, 9, 9) .4936E-03 (1, 10, 10) .4621E-03 (1, 10, 9) .2549E-03 (1, 10, 10) .3526E-04 (1, 15, 8)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0
REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 18 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.010	.015	.021	.026	.028	.030	.031	.031	.031	.031	.031	.031	.031	.030	.028	.026	.021	.015	.010
0 2	.015	.027	.041	.052	.060	.064	.066	.067	.068	.068	.068	.067	.066	.064	.060	.052	.041	.027	.015
0 3	.021	.041	.067	.090	.107	.118	.124	.126	.128	.128	.128	.126	.124	.118	.107	.090	.067	.041	.021
0 4	.026	.052	.090	.129	.160	.183	.196	.202	.205	.206	.205	.202	.196	.183	.160	.129	.090	.052	.026

50/76

0 5	.028	.060	.107	.160	.208	.248	.273	.286	.293	.294	.293	.286	.273	.248	.208	.160	.107	.060	.028
0 6	.030	.064	.118	.183	.248	.310	.356	.383	.399	.402	.399	.383	.356	.310	.248	.183	.118	.064	.030
0 7	.031	.066	.124	.196	.273	.356	.429	.480	.515	.525	.515	.480	.429	.356	.273	.196	.124	.066	.031
0 8	.031	.067	.126	.202	.286	.383	.480	.564	.636	.665	.636	.564	.480	.383	.286	.202	.126	.067	.031
0 9	.031	.068	.128	.205	.293	.399	.515	.636	.776	.894	.776	.636	.515	.399	.293	.205	.128	.068	.031
0 10	.031	.068	.128	.206	.294	.402	.525	.665	.894	1.437	.894	.665	.525	.402	.294	.206	.128	.068	.031
0 11	.031	.068	.128	.205	.293	.399	.516	.636	.776	.894	.776	.636	.515	.399	.293	.205	.128	.068	.031
0 12	.031	.067	.126	.202	.286	.383	.480	.564	.636	.665	.636	.564	.480	.383	.286	.202	.126	.067	.031
0 13	.031	.066	.124	.196	.273	.356	.429	.480	.515	.525	.515	.480	.429	.356	.273	.196	.124	.066	.031
0 14	.030	.064	.118	.183	.248	.310	.356	.383	.399	.402	.399	.383	.356	.310	.248	.183	.118	.064	.030
0 15	.028	.060	.107	.160	.208	.248	.273	.286	.293	.294	.293	.286	.273	.248	.208	.160	.107	.060	.028
0 16	.026	.052	.090	.129	.160	.183	.196	.202	.205	.206	.205	.202	.196	.183	.160	.129	.090	.052	.026
0 17	.021	.041	.067	.090	.107	.118	.124	.126	.128	.128	.128	.126	.124	.118	.107	.090	.067	.041	.021
0 18	.015	.027	.041	.052	.060	.064	.066	.067	.068	.068	.068	.067	.066	.064	.060	.052	.041	.027	.015
0 19	.010	.015	.021	.026	.028	.030	.031	.031	.031	.031	.031	.031	.031	.030	.028	.026	.021	.015	.010

TIME SUMMARY AT END OF TIME STEP 18 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	11860.3	197.672	3.29453	.137272	.375831E-03
STRESS PERIOD TIME	50937.7	848.961	14.1494	.589556	.161412E-02
TOTAL SIMULATION TIME	50937.7	848.961	14.1494	.589556	.161412E-02

10 ITERATIONS FOR TIME STEP 19 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.1209E-01 (1, 17, 17) -.1130E-01 (1, 4, 5) -.1520E-01 (1, 12, 8) -.1524E-01 (1, 10, 9) -.3676E-02 (1, 8, 8)
.4015E-03 (1, 8, 8) .6085E-03 (1, 10, 10) .5897E-03 (1, 10, 9) .3943E-03 (1, 10, 10) .6031E-04 (1, 7, 15)

0 HEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 0 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 19 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.020	.028	.037	.042	.046	.048	.049	.049	.049	.050	.049	.049	.049	.048	.046	.042	.037	.028	.020
0 2	.028	.044	.061	.074	.083	.088	.091	.092	.092	.093	.092	.092	.091	.088	.083	.074	.061	.044	.028
0 3	.037	.061	.091	.117	.135	.147	.154	.156	.158	.158	.158	.156	.154	.147	.135	.117	.091	.061	.037
0 4	.042	.074	.117	.159	.192	.216	.229	.236	.239	.240	.239	.236	.230	.216	.192	.159	.117	.074	.042
0 5	.046	.083	.135	.192	.242	.283	.309	.322	.329	.331	.329	.322	.309	.283	.242	.192	.135	.083	.046
0 6	.048	.088	.147	.216	.283	.347	.393	.420	.436	.440	.436	.420	.393	.347	.283	.216	.147	.088	.048

5/1/76

0 7	.049	.091	.154	.229	.309	.393	.466	.518	.554	.563	.554	.518	.466	.393	.309	.229	.154	.091	.049
0 8	.049	.092	.156	.236	.322	.420	.518	.602	.674	.704	.674	.602	.518	.420	.322	.236	.156	.092	.049
0 9	.049	.092	.158	.239	.329	.436	.554	.674	.815	.932	.815	.674	.554	.436	.329	.239	.158	.092	.049
0 10	.050	.093	.158	.240	.331	.440	.563	.704	.932	1.476	.932	.704	.563	.440	.331	.240	.158	.093	.050
0 11	.049	.092	.158	.239	.329	.436	.554	.674	.815	.932	.815	.674	.554	.436	.329	.239	.158	.092	.049
0 12	.049	.092	.156	.236	.322	.420	.518	.602	.674	.704	.674	.602	.518	.420	.322	.236	.156	.092	.049
0 13	.049	.091	.154	.230	.309	.393	.466	.518	.554	.563	.554	.518	.466	.393	.309	.229	.154	.091	.049
0 14	.048	.088	.147	.216	.283	.347	.393	.420	.436	.440	.436	.420	.393	.347	.283	.216	.147	.088	.048
0 15	.046	.083	.135	.192	.242	.283	.309	.322	.329	.331	.329	.322	.309	.283	.242	.192	.135	.083	.046
0 16	.042	.074	.117	.159	.192	.216	.229	.236	.239	.240	.239	.236	.229	.216	.192	.159	.117	.074	.042
0 17	.037	.061	.091	.117	.135	.147	.154	.156	.158	.158	.156	.154	.147	.135	.117	.091	.061	.037	
0 18	.028	.044	.061	.074	.083	.088	.091	.092	.092	.093	.092	.092	.091	.088	.083	.074	.061	.044	.028
0 19	.020	.028	.037	.042	.046	.048	.049	.049	.049	.050	.049	.049	.049	.048	.046	.042	.037	.028	.020

TIME SUMMARY AT END OF TIME STEP 19 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	15418.4	256.973	4.28289	.178454	.488580E-03
STRESS PERIOD TIME	66356.1	1105.93	18.4322	.768010	.210270E-02
TOTAL SIMULATION TIME	66356.1	1105.93	18.4322	.768010	.210270E-02

1
11 ITERATIONS FOR TIME STEP 20 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.1491E-01 (1, 16, 19) -.1227E-01 (1, 4, 4) -.1533E-01 (1, 13, 7) -.1744E-01 (1, 10, 9) -.5395E-02 (1, 10, 10)
 .5429E-03 (1, 7, 7) .7401E-03 (1, 8, 8) .7321E-03 (1, 10, 9) .5876E-03 (1, 10, 10) .1042E-03 (1, 7, 15)
 -.2101E-04 (1, 13, 12)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

REUSING PREVIOUS VALUES OF IOFLG

1 DRAWDOWN IN LAYER 1 AT END OF TIME STEP 20 IN STRESS PERIOD 1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0 1	.038	.049	.059	.066	.071	.073	.074	.075	.075	.075	.075	.075	.074	.073	.071	.066	.059	.049	.038
0 2	.049	.068	.087	.103	.112	.118	.121	.122	.123	.123	.123	.122	.121	.118	.112	.103	.087	.068	.049
0 3	.059	.087	.121	.149	.169	.181	.188	.191	.193	.193	.193	.191	.188	.181	.169	.149	.121	.087	.059
0 4	.066	.103	.149	.194	.228	.253	.267	.273	.277	.277	.277	.273	.267	.253	.228	.194	.149	.103	.066
0 5	.071	.112	.169	.228	.280	.322	.347	.361	.368	.370	.368	.361	.347	.322	.280	.228	.169	.112	.071
0 6	.073	.118	.181	.253	.322	.386	.432	.460	.476	.480	.476	.460	.432	.386	.322	.253	.181	.118	.073
0 7	.074	.121	.188	.267	.347	.432	.506	.558	.594	.603	.594	.558	.506	.432	.347	.267	.188	.121	.074

52
74

0 8	.075	.122	.191	.273	.361	.460	.558	.642	.715	.744	.715	.642	.558	.460	.361	.273	.191	.122	.075
0 9	.075	.123	.193	.277	.368	.476	.594	.715	.855	.973	.855	.715	.594	.476	.368	.277	.193	.123	.075
0 10	.075	.123	.193	.277	.370	.480	.603	.744	.973	1.516	.973	.744	.603	.480	.370	.277	.193	.123	.075
0 11	.075	.123	.193	.277	.368	.476	.594	.715	.855	.973	.855	.715	.594	.476	.368	.277	.193	.123	.075
0 12	.075	.122	.191	.273	.361	.460	.558	.642	.715	.744	.715	.642	.558	.460	.361	.273	.191	.122	.075
0 13	.074	.121	.188	.267	.347	.432	.506	.558	.594	.603	.594	.558	.506	.432	.347	.267	.188	.121	.074
0 14	.073	.118	.181	.253	.322	.386	.432	.460	.476	.480	.476	.460	.432	.386	.322	.253	.181	.118	.073
0 15	.071	.112	.169	.228	.280	.322	.347	.361	.368	.370	.368	.361	.347	.322	.280	.228	.169	.112	.071
0 16	.066	.103	.149	.194	.228	.253	.267	.273	.277	.277	.277	.273	.267	.253	.228	.194	.149	.103	.066
0 17	.059	.087	.121	.149	.169	.181	.188	.191	.193	.193	.193	.191	.188	.181	.169	.149	.121	.087	.059
0 18	.049	.068	.087	.103	.112	.118	.121	.122	.123	.123	.123	.122	.121	.118	.112	.103	.087	.068	.049
0 19	.038	.049	.059	.066	.071	.073	.074	.075	.075	.075	.075	.075	.074	.073	.071	.066	.059	.049	.038

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 20 IN STRESS PERIOD 1

	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
	IN:		IN:	
	---		---	
	STORAGE =	345.60	STORAGE =	.39998E-02
	CONSTANT HEAD =	.00000	CONSTANT HEAD =	.00000
	WELLS =	.00000	WELLS =	.00000
0	TOTAL IN =	345.60	TOTAL IN =	.39998E-02
0	OUT:		OUT:	
	----		----	
	STORAGE =	.00000	STORAGE =	.00000
	CONSTANT HEAD =	.00000	CONSTANT HEAD =	.00000
	WELLS =	345.60	WELLS =	.40000E-02
0	TOTAL OUT =	345.60	TOTAL OUT =	.40000E-02
0	IN - OUT =	.41504E-02	IN - OUT =	-.17043E-06
0	PERCENT DISCREPANCY =	.00	PERCENT DISCREPANCY =	-.00

TIME SUMMARY AT END OF TIME STEP 20 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	20043.9	334.065	5.56776	.231990	.635154E-03
STRESS PERIOD TIME	86400.0	1440.00	24.0000	1.00000	.273785E-02

53
76

TOTAL SIMULATION TIME

86400.0

1440.00

24.0000

1.00000

.273785E-02

1

54/76

pcl5

JOB 51

pr5_test.out

*Output file from MADFLOW V 1.31 run of
instructional problem 5. Run on SUN Sparc 10 / SUNOS*

3/27/96

Arden Wittmeyer

For:	gwitt
Date:	Tue Mar 26 14:30:21 CST 1996
Submit queue:	IF 1 / Ethernet / UHSW
Submitted:	Thu Jan 31 06:09:56 1991
Started:	Thu Jan 31 06:09:57 1991



Enter the file name for the BASIC package file, UNIT 1:

1 U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER MODEL
0mass balance problem 5/28/91 PFA

1 LAYERS 7 ROWS 7 COLUMNS

1 STRESS PERIOD(S) IN SIMULATION

MODEL TIME UNIT IS DAYS

OI/O UNITS:

ELEMENT OF IUNIT: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

I/O UNIT: 11 12 0 0 0 0 0 18 19 0 0 22 0 0 0 0 0 0 0 0 0 0 0

Enter the file name for the BCF2 package file, UNIT 11:

Enter the file name for the WELL package file, UNIT 12:

Enter the file name for the RECH package file, UNIT 18:

Enter the file name for the SIP package file, UNIT 19:

Enter the file name for the OC package file, UNIT 22:

OBAS1 -- BASIC MODEL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 1

ARRAYS RHS AND BUFF WILL SHARE MEMORY.

START HEAD WILL NOT BE SAVED -- DRAWDOWN CANNOT BE CALCULATED

410 ELEMENTS IN X ARRAY ARE USED BY BAS

410 ELEMENTS OF X ARRAY USED OUT OF 517000

OBCF2 -- BLOCK-CENTERED FLOW PACKAGE, VERSION 2, 7/1/91 INPUT READ FROM UNIT 11

TRANSIENT SIMULATION

CELL-BY-CELL FLOWS WILL BE RECORDED ON UNIT 31

HEAD AT CELLS THAT CONVERT TO DRY= 0.

WETTING CAPABILITY IS NOT ACTIVE

LAYER AQUIFER TYPE

1 0

50 ELEMENTS IN X ARRAY ARE USED BY BCF

460 ELEMENTS OF X ARRAY USED OUT OF 517000

OWEL1 -- WELL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 12

MAXIMUM OF 1 WELLS

CELL-BY-CELL FLOWS WILL BE RECORDED ON UNIT 32

4 ELEMENTS IN X ARRAY ARE USED FOR WELLS

464 ELEMENTS OF X ARRAY USED OUT OF 517000

ORCH1 -- RECHARGE PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 18

OPTION 1 -- RECHARGE TO TOP LAYER

CELL-BY-CELL FLOW TERMS WILL BE RECORDED ON UNIT 33

49 ELEMENTS OF X ARRAY USED FOR RECHARGE

513 ELEMENTS OF X ARRAY USED OUT OF 517000

56/76

OSIP1 -- STRONGLY IMPLICIT PROCEDURE SOLUTION PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 19

MAXIMUM OF 50 ITERATIONS ALLOWED FOR CLOSURE

5 ITERATION PARAMETERS

401 ELEMENTS IN X ARRAY ARE USED BY SIP

914 ELEMENTS OF X ARRAY USED OUT OF 517000

1mass balance problem

5/28/91 PFA

0

BOUNDARY ARRAY FOR LAYER 1 WILL BE READ ON UNIT 1 USING FORMAT: (40I2)

1 2 3 4 5 6 7

.....
0 1 -1 -1 -1 -1 -1 -1 -1
0 2 1 1 1 1 1 1 -1
0 3 1 1 1 1 1 1 -1
0 4 1 1 1 1 1 1 -1
0 5 1 1 1 1 1 1 -1
0 6 1 1 1 1 1 1 -1
0 7 1 1 1 1 1 1 -1

0AQUIFER HEAD WILL BE SET TO 0. AT ALL NO-FLOW NODES (IBOUND=0).

0

INITIAL HEAD FOR LAYER 1 WILL BE READ ON UNIT 1 USING FORMAT: (7G11.4)

1 2 3 4 5 6 7

.....
0 1 10.00 9.000 8.000 6.000 4.000 2.000 0.
0 2 10.00 10.00 10.00 10.00 10.00 10.00 3.000
0 3 10.00 10.00 10.00 10.00 10.00 10.00 6.000
0 4 10.00 10.00 10.00 10.00 10.00 10.00 8.000
0 5 10.00 10.00 10.00 10.00 10.00 10.00 12.00
0 6 10.00 10.00 10.00 10.00 10.00 10.00 15.00
0 7 10.00 10.00 10.00 10.00 10.00 10.00 20.00

0HEAD PRINT FORMAT IS FORMAT NUMBER -4 DRAWDOWN PRINT FORMAT IS FORMAT NUMBER 0

0HEADS WILL BE SAVED ON UNIT 0 DRAWDOWNS WILL BE SAVED ON UNIT 0

0OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP

0

COLUMN TO ROW ANISOTROPY = 1.000000

0

DELR = 500.0000

0

DELCO = 500.0000

0

PRIMARY STORAGE COEF = 0.1000000E-01 FOR LAYER 1

0

TRANSMIS. ALONG ROWS = 500.0000 FOR LAYER 1

5/26

0

SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE

0

```

-----
MAXIMUM ITERATIONS ALLOWED FOR CLOSURE =      50
      ACCELERATION PARAMETER =      1.0000
HEAD CHANGE CRITERION FOR CLOSURE =  0.10000E-01
SIP HEAD CHANGE PRINTOUT INTERVAL =      1
CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED

```

0

Enter the file name for the BCF cell-by-cell flux terms, UNIT 31:

Enter the file name for the WELL cell-by-cell flux terms, UNIT 32:

Enter the file name for the RCH cell-by-cell flux terms, UNIT 33:

1

STRESS PERIOD NO. 1, LENGTH = 365.0000

NUMBER OF TIME STEPS = 5

MULTIPLIER FOR DELT = 1.500

INITIAL TIME STEP SIZE = 27.67772

0

1 WELLS

```

LAYER  ROW  COL  STRESS RATE  WELL NO.
-----

```

```

1      5    3    -8000.0      1

```

RECHARGE = 0.1000000E-02

0

DAVERAGE SEED = 0.05035512

MINIMUM SEED = 0.05035512

0

5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

0.0000000E+00 0.5262918E+00 0.7756006E+00 0.8937001E+00 0.9496449E+00

0

6 ITERATIONS FOR TIME STEP 1 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

```

-----
4.929  ( 1, 7, 6) -0.8958  ( 1, 4, 4) -0.1963  ( 1, 3, 3) -0.7280E-01 ( 1, 4, 1) -0.2695E-01 ( 1, 6, 3)
-0.2204E-02 ( 1, 4, 5)

```

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 1

OOUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

58/76

HEAD DRAWDOWN HEAD DRAWDOWN
 PRINTOUT PRINTOUT SAVE SAVE

 1 0 0 0

" STORAGE" BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
 " CONSTANT HEAD" BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
 "FLOW RIGHT FACE " BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
 "FLOW FRONT FACE " BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
 " WELLS" BUDGET VALUES WILL BE SAVED ON UNIT 32 AT END OF TIME STEP 1, STRESS PERIOD 1
 " RECHARGE" BUDGET VALUES WILL BE SAVED ON UNIT 33 AT END OF TIME STEP 1, STRESS PERIOD 1
 1 HEAD IN LAYER 1 AT END OF TIME STEP 1 IN STRESS PERIOD 1

 1 2 3 4 5 6 7

0 1	10.00	9.00	8.00	6.00	4.00	2.00	0.00
0 2	9.95	9.43	8.69	7.68	6.50	5.05	3.00
0 3	9.89	9.49	8.91	8.59	8.14	7.33	6.00
0 4	9.72	9.14	8.18	8.89	9.29	9.13	8.00
0 5	9.59	8.50	4.95	8.79	10.36	11.26	12.00
0 6	9.98	9.54	8.92	10.25	11.68	13.25	15.00
0 7	10.30	10.18	10.24	11.15	12.67	15.16	20.00
0							

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 1 IN STRESS PERIOD 1

	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
	IN:		IN:	
	---		---	
	STORAGE =	89340.	STORAGE =	3227.9
	CONSTANT HEAD =	0.10213E+06	CONSTANT HEAD =	3690.0
	WELLS =	0.	WELLS =	0.
	RECHARGE =	0.24910E+06	RECHARGE =	9000.0
	TOTAL IN =	0.44057E+06	TOTAL IN =	15918.
	OUT:		OUT:	
	---		---	
	STORAGE =	41290.	STORAGE =	1491.8
	CONSTANT HEAD =	0.17802E+06	CONSTANT HEAD =	6432.0
	WELLS =	0.22142E+06	WELLS =	8000.0
	RECHARGE =	0.	RECHARGE =	0.
	TOTAL OUT =	0.44073E+06	TOTAL OUT =	15924.
	IN - OUT =	-164.38	IN - OUT =	-5.9395

*Compare to
 -164.50 from
 "true" output*

*Compare to
 -5.9434 from
 "true" output*

*Difference
 likely due to
 machine
 arithmetic*
 5/16

0 PERCENT DISCREPANCY = -0.04

PERCENT DISCREPANCY = -0.04

0

TIME SUMMARY AT END OF TIME STEP 1 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	0.239136E+07	39855.9	664.265	27.6777	0.757775E-01
STRESS PERIOD TIME	0.239136E+07	39855.9	664.265	27.6777	0.757775E-01
TOTAL SIMULATION TIME	0.239136E+07	39855.9	664.265	27.6777	0.757775E-01

1

6 ITERATIONS FOR TIME STEP 2 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

0.5510 (1, 7, 6) -0.1968 (1, 4, 3) -0.9981E-01 (1, 4, 1) -0.5015E-01 (1, 7, 1) -0.1511E-01 (1, 7, 3)
-0.9755E-03 (1, 5, 6)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD	DRAWDOWN	HEAD	DRAWDOWN
PRINTOUT	PRINTOUT	SAVE	SAVE

1 0 0 0

1 HEAD IN LAYER 1 AT END OF TIME STEP 2 IN STRESS PERIOD 1

	1	2	3	4	5	6	7
0 1	10.00	9.00	8.00	6.00	4.00	2.00	0.00
0 2	9.74	9.17	8.33	7.23	6.01	4.62	3.00
0 3	9.53	9.06	8.38	8.04	7.62	6.93	6.00
0 4	9.26	8.58	7.54	8.37	8.93	8.93	8.00
0 5	9.12	7.91	4.25	8.40	10.27	11.32	12.00
0 6	9.61	9.14	8.55	10.16	11.91	13.60	15.00
0 7	10.04	9.93	10.09	11.29	13.12	15.72	20.00

0

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 2 IN STRESS PERIOD 1

0 CUMULATIVE VOLUMES L**3 RATES FOR THIS TIME STEP L**3/T

20/76

IN:

 STORAGE = 0.11896E+06
 CONSTANT HEAD = 0.23951E+06
 WELLS = 0.
 RECHARGE = 0.62275E+06
 TOTAL IN = 0.98122E+06

OUT:

STORAGE = 45715.
 CONSTANT HEAD = 0.38227E+06
 WELLS = 0.55355E+06
 RECHARGE = 0.
 TOTAL OUT = 0.98154E+06

IN - OUT = -321.81 *Compare to -321.88*
 PERCENT DISCREPANCY = -0.03

IN:

 STORAGE = 713.37
 CONSTANT HEAD = 3309.1
 WELLS = 0.
 RECHARGE = 9000.0
 TOTAL IN = 13022.

OUT:

STORAGE = 106.58
 CONSTANT HEAD = 4919.7
 WELLS = 8000.0
 RECHARGE = 0.
 TOTAL OUT = 13026.

IN - OUT = -3.7920
 PERCENT DISCREPANCY = -0.03

Compare to
10/5/26/96
~~-3.9~~
~~-3.7910~~

TIME SUMMARY AT END OF TIME STEP 2 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	0.358703E+07	59783.9	996.398	41.5166	0.113666
STRESS PERIOD TIME	0.597839E+07	99639.8	1660.66	69.1943	0.189444
TOTAL SIMULATION TIME	0.597839E+07	99639.8	1660.66	69.1943	0.189444

6 ITERATIONS FOR TIME STEP 3 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.9144E-01 (1, 5, 1) -0.8169E-01 (1, 7, 1) -0.6052E-01 (1, 7, 2) -0.3683E-01 (1, 7, 1) -0.1123E-01 (1, 7, 2)
 -0.7602E-03 (1, 5, 6)

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
 PRINTOUT PRINTOUT SAVE SAVE

1 0 0 0

HEAD IN LAYER 1 AT END OF TIME STEP 3 IN STRESS PERIOD 1

6/1/96

	1	2	3	4	5	6	7
0 1	10.00	9.00	8.00	6.00	4.00	2.00	0.00
0 2	9.64	9.06	8.23	7.14	5.93	4.57	3.00
0 3	9.35	8.87	8.20	7.88	7.50	6.86	6.00
0 4	9.02	8.34	7.32	8.19	8.80	8.86	8.00
0 5	8.85	7.65	4.01	8.22	10.16	11.28	12.00
0 6	9.35	8.89	8.34	10.02	11.84	13.58	15.00
0 7	9.78	9.70	9.91	11.17	13.08	15.72	20.00

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 3 IN STRESS PERIOD 1

	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
	IN:		IN:	
	---		---	
	STORAGE =	0.13247E+06	STORAGE =	217.01
	CONSTANT HEAD =	0.45055E+06	CONSTANT HEAD =	3388.8
	WELLS =	0.	WELLS =	0.
	RECHARGE =	0.11832E+07	RECHARGE =	9000.0
	TOTAL IN =	0.17662E+07	TOTAL IN =	12606.
	OUT:		OUT:	
	----		----	
	STORAGE =	45723.	STORAGE =	0.12878
	CONSTANT HEAD =	0.66928E+06	CONSTANT HEAD =	4608.8
	WELLS =	0.10518E+07	WELLS =	8000.0
	RECHARGE =	0.	RECHARGE =	0.
	TOTAL OUT =	0.17668E+07	TOTAL OUT =	12609.
	IN - OUT =	-513.12	IN - OUT =	-3.0723
	PERCENT DISCREPANCY =	-0.03	PERCENT DISCREPANCY =	-0.02

TIME SUMMARY AT END OF TIME STEP 3 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	0.538055E+07	89675.8	1494.60	62.2749	0.170499

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STRESS PERIOD TIME 0.113589E+08 189316. 3155.26 131.469 0.359943
TOTAL SIMULATION TIME 0.113589E+08 189316. 3155.26 131.469 0.359943

1
5 ITERATIONS FOR TIME STEP 4 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.4289E-01 (1, 7, 1) -0.3826E-01 (1, 7, 1) -0.2968E-01 (1, 7, 2) -0.2012E-01 (1, 7, 1) -0.6888E-02 (1, 7, 2)

0
OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
PRINTOUT PRINTOUT SAVE SAVE

1 0 0 0

1 HEAD IN LAYER 1 AT END OF TIME STEP 4 IN STRESS PERIOD 1

1 2 3 4 5 6 7

0 1 10.00 9.00 8.00 6.00 4.00 2.00 0.00
0 2 9.60 9.02 8.19 7.11 5.91 4.56 3.00
0 3 9.27 8.80 8.14 7.83 7.46 6.84 6.00
0 4 8.92 8.25 7.23 8.12 8.76 8.84 8.00
0 5 8.73 7.54 3.91 8.15 10.11 11.25 12.00
0 6 9.22 8.77 8.23 9.94 11.78 13.56 15.00
0 7 9.65 9.57 9.80 11.09 13.02 15.69 20.00

0
VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 4 IN STRESS PERIOD 1

CUMULATIVE VOLUMES L**3

RATES FOR THIS TIME STEP L**3/T

IN:

IN:

STORAGE = 0.13858E+06
CONSTANT HEAD = 0.77266E+06
WELLS = 0.
RECHARGE = 0.20239E+07
TOTAL IN = 0.29352E+07

STORAGE = 65.425
CONSTANT HEAD = 3448.3
WELLS = 0.
RECHARGE = 9000.0
TOTAL IN = 12514.

OUT:

OUT:

STORAGE = 45723.

STORAGE = 0.

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CONSTANT HEAD = 0.10913E+07
 WELLS = 0.17991E+07
 RECHARGE = 0.
 TOTAL OUT = 0.29361E+07
 IN - OUT = -885.75
 PERCENT DISCREPANCY = -0.03

CONSTANT HEAD = 4517.7
 WELLS = 8000.0
 RECHARGE = 0.
 TOTAL OUT = 12518.
 IN - OUT = -3.9893
 PERCENT DISCREPANCY = -0.03

TIME SUMMARY AT END OF TIME STEP 4 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	0.807082E+07	134514.	2241.90	93.4123	0.255749
STRESS PERIOD TIME	0.194298E+08	323829.	5397.16	224.882	0.615692
TOTAL SIMULATION TIME	0.194298E+08	323829.	5397.16	224.882	0.615692

4 ITERATIONS FOR TIME STEP 5 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-0.1515E-01 (1, 7, 1) -0.1335E-01 (1, 7, 1) -0.1086E-01 (1, 7, 2) -0.8033E-02 (1, 7, 1)

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD	DRAWDOWN	HEAD	DRAWDOWN
PRINTOUT	PRINTOUT	SAVE	SAVE
1	0	0	0

HEAD IN LAYER 1 AT END OF TIME STEP 5 IN STRESS PERIOD 1

	1	2	3	4	5	6	7
0 1	10.00	9.00	8.00	6.00	4.00	2.00	0.00
0 2	9.59	9.01	8.18	7.10	5.90	4.56	3.00
0 3	9.25	8.77	8.12	7.82	7.45	6.83	6.00
0 4	8.89	8.22	7.20	8.10	8.74	8.83	8.00
0 5	8.69	7.50	3.88	8.12	10.09	11.24	12.00
0 6	9.17	8.73	8.20	9.91	11.76	13.55	15.00
0 7	9.60	9.53	9.76	11.06	13.00	15.68	20.00

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VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 5 IN STRESS PERIOD 1

0

CUMULATIVE VOLUMES

L**3

RATES FOR THIS TIME STEP

L**3/T

IN:

IN:

STORAGE = 0.14061E+06
 CONSTANT HEAD = 0.12588E+07
 WELLS = 0.
 RECHARGE = 0.32850E+07
 TOTAL IN = 0.46844E+07

STORAGE = 14.471
 CONSTANT HEAD = 3469.4
 WELLS = 0.
 RECHARGE = 9000.0
 TOTAL IN = 12484.

OUT:

OUT:

STORAGE = 45723.
 CONSTANT HEAD = 0.17203E+07
 WELLS = 0.29200E+07
 RECHARGE = 0.
 TOTAL OUT = 0.46861E+07
 IN - OUT = -1651.5

STORAGE = 0.
 CONSTANT HEAD = 4489.3
 WELLS = 8000.0
 RECHARGE = 0.
 TOTAL OUT = 12489.
 IN - OUT = -5.4629

PERCENT DISCREPANCY = -0.04

PERCENT DISCREPANCY = -0.04

0
0

0
0
0

0

TIME SUMMARY AT END OF TIME STEP 5 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	0.121062E+08	201771.	3362.84	140.118	0.383624
STRESS PERIOD TIME	0.315360E+08	525600.	8760.00	365.000	0.999316
TOTAL SIMULATION TIME	0.315360E+08	525600.	8760.00	365.000	0.999316

1

05/76

pcl5

JOB 49

pr5_true.out

*Output file included on distribution diskette
for instructional problem 5*

3/27/96

Gordon Wittmeyer

For: gwitt
Date: Tue Mar 26 14:30:10 CST 1996
Submit queue: IF 1 / Ethernet / UHSW
Submitted: Thu Jan 31 06:08:40 1991
Started: Thu Jan 31 06:08:40 1991



1 U.S. GEOLOGICAL SURVEY MODULAR FINITE-DIFFERENCE GROUND-WATER MODEL
0mass balance problem 5/28/91 PFA

1 LAYERS 7 ROWS 7 COLUMNS

1 STRESS PERIOD(S) IN SIMULATION

MODEL TIME UNIT IS DAYS

0I/O UNITS:

ELEMENT OF IUNIT: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
I/O UNIT: 11 12 0 0 0 0 0 18 19 0 0 22 0 0 0 0 0 0 0 0 0 0 0

OBAS1 -- BASIC MODEL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 1

ARRAYS RHS AND BUFF WILL SHARE MEMORY.

START HEAD WILL NOT BE SAVED -- DRAWDOWN CANNOT BE CALCULATED

410 ELEMENTS IN X ARRAY ARE USED BY BAS

410 ELEMENTS OF X ARRAY USED OUT OF 80000

OBCF1 -- BLOCK-CENTERED FLOW PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 11

TRANSIENT SIMULATION

CELL-BY-CELL FLOWS WILL BE RECORDED ON UNIT 31

LAYER AQUIFER TYPE

1 0

50 ELEMENTS IN X ARRAY ARE USED BY BCF

460 ELEMENTS OF X ARRAY USED OUT OF 80000

OWEL1 -- WELL PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM 12

MAXIMUM OF 1 WELLS

CELL-BY-CELL FLOWS WILL BE RECORDED ON UNIT 32

4 ELEMENTS IN X ARRAY ARE USED FOR WELLS

464 ELEMENTS OF X ARRAY USED OUT OF 80000

ORCH1 -- RECHARGE PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 18

OPTION 1 -- RECHARGE TO TOP LAYER

CELL-BY-CELL FLOW TERMS WILL BE RECORDED ON UNIT 33

49 ELEMENTS OF X ARRAY USED FOR RECHARGE

513 ELEMENTS OF X ARRAY USED OUT OF 80000

OSIP1 -- STRONGLY IMPLICIT PROCEDURE SOLUTION PACKAGE, VERSION 1, 9/1/87 INPUT READ FROM UNIT 19

MAXIMUM OF 50 ITERATIONS ALLOWED FOR CLOSURE

5 ITERATION PARAMETERS

401 ELEMENTS IN X ARRAY ARE USED BY SIP

914 ELEMENTS OF X ARRAY USED OUT OF 80000

1mass balance problem 5/28/91 PFA

0

BOUNDARY ARRAY FOR LAYER 1 WILL BE READ ON UNIT 1 USING FORMAT: (40I2)

1 2 3 4 5 6 7

.....

24/0

```

0 1 -1 -1 -1 -1 -1 -1 -1
0 2  1  1  1  1  1  1 -1
0 3  1  1  1  1  1  1 -1
0 4  1  1  1  1  1  1 -1
0 5  1  1  1  1  1  1 -1
0 6  1  1  1  1  1  1 -1
0 7  1  1  1  1  1  1 -1

```

DAQUIFER HEAD WILL BE SET TO .00000 AT ALL NO-FLOW NODES (IBOUND=0).

0

INITIAL HEAD FOR LAYER 1 WILL BE READ ON UNIT 1 USING FORMAT: (7G11.4)

```

-----
          1          2          3          4          5          6          7
-----
0 1  10.00    9.000    8.000    6.000    4.000    2.000    .0000
0 2  10.00    10.00    10.00    10.00    10.00    10.00    3.000
0 3  10.00    10.00    10.00    10.00    10.00    10.00    6.000
0 4  10.00    10.00    10.00    10.00    10.00    10.00    8.000
0 5  10.00    10.00    10.00    10.00    10.00    10.00    12.00
0 6  10.00    10.00    10.00    10.00    10.00    10.00    15.00
0 7  10.00    10.00    10.00    10.00    10.00    10.00    20.00

```

OHEAD PRINT FORMAT IS FORMAT NUMBER -4 DRAWDOWN PRINT FORMAT IS FORMAT NUMBER 0

OHEADS WILL BE SAVED ON UNIT 0 DRAWDOWNS WILL BE SAVED ON UNIT 0

OUTPUT CONTROL IS SPECIFIED EVERY TIME STEP

0

COLUMN TO ROW ANISOTROPY = 1.000000

0

DELR = 500.0000

0

DELC = 500.0000

0

PRIMARY STORAGE COEF = .1000000E-01 FOR LAYER 1

0

TRANSMIS. ALONG ROWS = 500.0000 FOR LAYER 1

0

SOLUTION BY THE STRONGLY IMPLICIT PROCEDURE

0

MAXIMUM ITERATIONS ALLOWED FOR CLOSURE = 50

ACCELERATION PARAMETER = 1.0000

HEAD CHANGE CRITERION FOR CLOSURE = .10000E-01

SIP HEAD CHANGE PRINTOUT INTERVAL = 1

0

CALCULATE ITERATION PARAMETERS FROM MODEL CALCULATED WSEED

1

STRESS PERIOD NO. 1, LENGTH = 365.0000

NUMBER OF TIME STEPS = 5

26/87

MULTIPLIER FOR DELT = 1.500

INITIAL TIME STEP SIZE = 27.67772

0 1 WELLS

LAYER ROW COL STRESS RATE WELL NO.

1 5 3 -8000.0 1

RECHARGE = .1000000E-02

0 AVERAGE SEED = .05035512

MINIMUM SEED = .05035512

0 5 ITERATION PARAMETERS CALCULATED FROM AVERAGE SEED:

.0000000E+00 .5262918E+00 .7756006E+00 .8937001E+00 .9496449E+00

0 6 ITERATIONS FOR TIME STEP 1 IN STRESS PERIOD 1

0 MAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

4.929 (1, 7, 6) -.8958 (1, 4, 4) -.1963 (1, 3, 3) -.7280E-01 (1, 4, 1) -.2695E-01 (1, 6, 3)
-.2204E-02 (1, 4, 5)

0 HEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 1

0 OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
PRINTOUT PRINTOUT SAVE SAVE

1 0 0 0

- " STORAGE" BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
" CONSTANT HEAD" BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
"FLOW RIGHT FACE " BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
"FLOW FRONT FACE " BUDGET VALUES WILL BE SAVED ON UNIT 31 AT END OF TIME STEP 1, STRESS PERIOD 1
" WELLS" BUDGET VALUES WILL BE SAVED ON UNIT 32 AT END OF TIME STEP 1, STRESS PERIOD 1
" RECHARGE" BUDGET VALUES WILL BE SAVED ON UNIT 33 AT END OF TIME STEP 1, STRESS PERIOD 1

1 HEAD IN LAYER 1 AT END OF TIME STEP 1 IN STRESS PERIOD 1

1 2 3 4 5 6 7

Table with 8 columns (1-7) and 5 rows of numerical data representing head values in layer 1.

69/70

0 6 9.98 9.54 8.92 10.25 11.68 13.25 15.00
 0 7 10.30 10.18 10.24 11.15 12.67 15.16 20.00
 0

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 1 IN STRESS PERIOD 1

CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T

IN:		IN:	
---		---	
STORAGE =	89340.	STORAGE =	3227.9
CONSTANT HEAD =	.10213E+06	CONSTANT HEAD =	3690.0
WELLS =	.00000	WELLS =	.00000
RECHARGE =	.24910E+06	RECHARGE =	9000.0
TOTAL IN =	.44057E+06	TOTAL IN =	15918.
OUT:		OUT:	
----		----	
STORAGE =	41290.	STORAGE =	1491.8
CONSTANT HEAD =	.17802E+06	CONSTANT HEAD =	6432.0
WELLS =	.22142E+06	WELLS =	8000.0
RECHARGE =	.00000	RECHARGE =	.00000
TOTAL OUT =	.44073E+06	TOTAL OUT =	15924.
IN - OUT =	-164.50	IN - OUT =	-5.9434
PERCENT DISCREPANCY =	- .04	PERCENT DISCREPANCY =	- .04

TIME SUMMARY AT END OF TIME STEP 1 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	.239136E+07	39855.9	664.265	27.6777	.757775E-01
STRESS PERIOD TIME	.239136E+07	39855.9	664.265	27.6777	.757775E-01
TOTAL SIMULATION TIME	.239136E+07	39855.9	664.265	27.6777	.757775E-01

6 ITERATIONS FOR TIME STEP 2 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 .5510 (1, 7, 6) -.1968 (1, 4, 3) -.9981E-01 (1, 4, 1) -.5015E-01 (1, 7, 1) -.1511E-01 (1, 7, 3)
 -.9755E-03 (1, 5, 6)

20/76

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

0
 OOUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

0 HEAD DRAWDOWN HEAD DRAWDOWN
 PRINTOUT PRINTOUT SAVE SAVE

 1 0 0 0
 1 HEAD IN LAYER 1 AT END OF TIME STEP 2 IN STRESS PERIOD 1

	1	2	3	4	5	6	7
0 1	10.00	9.00	8.00	6.00	4.00	2.00	.00
0 2	9.74	9.17	8.33	7.23	6.01	4.62	3.00
0 3	9.53	9.06	8.38	8.04	7.62	6.93	6.00
0 4	9.26	8.58	7.54	8.37	8.93	8.93	8.00
0 5	9.12	7.91	4.25	8.40	10.27	11.32	12.00
0 6	9.61	9.14	8.55	10.16	11.91	13.60	15.00
0 7	10.04	9.93	10.09	11.29	13.12	15.72	20.00

0
 0 VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 2 IN STRESS PERIOD 1

	CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
0	IN:		IN:	
0	---		---	
0	STORAGE =	.11896E+06	STORAGE =	713.37
0	CONSTANT HEAD =	.23951E+06	CONSTANT HEAD =	3309.1
0	WELLS =	.00000	WELLS =	.00000
0	RECHARGE =	.62275E+06	RECHARGE =	9000.0
0	TOTAL IN =	.98122E+06	TOTAL IN =	13022.
0	OUT:		OUT:	
0	----		----	
0	STORAGE =	45715.	STORAGE =	106.58
0	CONSTANT HEAD =	.38227E+06	CONSTANT HEAD =	4919.7
0	WELLS =	.55355E+06	WELLS =	8000.0
0	RECHARGE =	.00000	RECHARGE =	.00000
0	TOTAL OUT =	.98154E+06	TOTAL OUT =	13026.
0	IN - OUT =	-321.88	IN - OUT =	-3.7910
0	PERCENT DISCREPANCY =	-.03	PERCENT DISCREPANCY =	-.03

7/16

0

TIME SUMMARY AT END OF TIME STEP 2 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	.358703E+07	59783.9	996.398	41.5166	.113666
STRESS PERIOD TIME	.597839E+07	99639.8	1660.66	69.1943	.189444
TOTAL SIMULATION TIME	.597839E+07	99639.8	1660.66	69.1943	.189444

1

6 ITERATIONS FOR TIME STEP 3 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

- .9144E-01 (1, 5, 1) - .8169E-01 (1, 7, 1) - .6052E-01 (1, 7, 2) - .3683E-01 (1, 7, 1) - .1123E-01 (1, 7, 2)

- .7601E-03 (1, 5, 6)

0

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD	DRAWDOWN	HEAD	DRAWDOWN
PRINTOUT	PRINTOUT	SAVE	SAVE

1 0 0 0

1

HEAD IN LAYER 1 AT END OF TIME STEP 3 IN STRESS PERIOD 1

	1	2	3	4	5	6	7
0 1	10.00	9.00	8.00	6.00	4.00	2.00	.00
0 2	9.64	9.06	8.23	7.14	5.93	4.57	3.00
0 3	9.35	8.87	8.20	7.88	7.50	6.86	6.00
0 4	9.02	8.34	7.32	8.19	8.80	8.86	8.00
0 5	8.85	7.65	4.01	8.22	10.16	11.28	12.00
0 6	9.35	8.89	8.34	10.02	11.84	13.58	15.00
0 7	9.78	9.70	9.91	11.17	13.08	15.72	20.00

0

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 3 IN STRESS PERIOD 1

0

CUMULATIVE VOLUMES	L**3	RATES FOR THIS TIME STEP	L**3/T
--------------------	------	--------------------------	--------

IN:

IN:

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```

---
STORAGE = .13247E+06
CONSTANT HEAD = .45055E+06
WELLS = .00000
RECHARGE = .11832E+07
TOTAL IN = .17662E+07
OUT:
----
STORAGE = 45723.
CONSTANT HEAD = .66928E+06
WELLS = .10518E+07
RECHARGE = .00000
TOTAL OUT = .17668E+07
IN - OUT = -513.25
PERCENT DISCREPANCY = -.03

```

```

---
STORAGE = 217.01
CONSTANT HEAD = 3388.8
WELLS = .00000
RECHARGE = 9000.0
TOTAL IN = 12606.
OUT:
----
STORAGE = .12883
CONSTANT HEAD = 4608.8
WELLS = 8000.0
RECHARGE = .00000
TOTAL OUT = 12609.
IN - OUT = -3.0723
PERCENT DISCREPANCY = -.02

```

TIME SUMMARY AT END OF TIME STEP 3 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	.538055E+07	89675.8	1494.60	62.2749	.170499
STRESS PERIOD TIME	.113589E+08	189316.	3155.26	131.469	.359943
TOTAL SIMULATION TIME	.113589E+08	189316.	3155.26	131.469	.359943

5 ITERATIONS FOR TIME STEP 4 IN STRESS PERIOD 1

OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

-.4289E-01 (1, 7, 1) -.3826E-01 (1, 7, 1) -.2968E-01 (1, 7, 2) -.2012E-01 (1, 7, 1) -.6888E-02 (1, 7, 2)

OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OOUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
PRINTOUT PRINTOUT SAVE SAVE

1 0 0 0

HEAD IN LAYER 1 AT END OF TIME STEP 4 IN STRESS PERIOD 1

1 2 3 4 5 6 7
.....

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0 1	10.00	9.00	8.00	6.00	4.00	2.00	.00
0 2	9.60	9.02	8.19	7.11	5.91	4.56	3.00
0 3	9.27	8.80	8.14	7.83	7.46	6.84	6.00
0 4	8.92	8.25	7.23	8.12	8.76	8.84	8.00
0 5	8.73	7.54	3.91	8.15	10.11	11.25	12.00
0 6	9.22	8.77	8.23	9.94	11.78	13.56	15.00
0 7	9.65	9.57	9.80	11.09	13.02	15.69	20.00
0							

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 4 IN STRESS PERIOD 1

	CUMULATIVE VOLUMES	L**3		RATES FOR THIS TIME STEP	L**3/T
	IN:			IN:	
	---			---	
	STORAGE =	.13858E+06		STORAGE =	65.425
	CONSTANT HEAD =	.77266E+06		CONSTANT HEAD =	3448.3
	WELLS =	.00000		WELLS =	.00000
	RECHARGE =	.20239E+07		RECHARGE =	9000.0
	TOTAL IN =	.29352E+07		TOTAL IN =	12514.
	OUT:			OUT:	
	----			----	
	STORAGE =	45723.		STORAGE =	.00000
	CONSTANT HEAD =	.10913E+07		CONSTANT HEAD =	4517.7
	WELLS =	.17991E+07		WELLS =	8000.0
	RECHARGE =	.00000		RECHARGE =	.00000
	TOTAL OUT =	.29361E+07		TOTAL OUT =	12518.
	IN - OUT =	-886.00		IN - OUT =	-3.9893
	PERCENT DISCREPANCY =	-.03		PERCENT DISCREPANCY =	-.03

TIME SUMMARY AT END OF TIME STEP 4 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	.807082E+07	134514.	2241.90	93.4123	.255749
STRESS PERIOD TIME	.194298E+08	323829.	5397.16	224.882	.615692
TOTAL SIMULATION TIME	.194298E+08	323829.	5397.16	224.882	.615692

4 ITERATIONS FOR TIME STEP 5 IN STRESS PERIOD 1

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OMAXIMUM HEAD CHANGE FOR EACH ITERATION:

0 HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL HEAD CHANGE LAYER,ROW,COL

 -.1515E-01 (1, 7, 1) -.1335E-01 (1, 7, 1) -.1086E-01 (1, 7, 2) -.8033E-02 (1, 7, 1)

0
 OHEAD/DRAWDOWN PRINTOUT FLAG = 1 TOTAL BUDGET PRINTOUT FLAG = 1 CELL-BY-CELL FLOW TERM FLAG = 0

OOUTPUT FLAGS FOR ALL LAYERS ARE THE SAME:

HEAD DRAWDOWN HEAD DRAWDOWN
 PRINTOUT PRINTOUT SAVE SAVE

 1 0 0 0

1 HEAD IN LAYER 1 AT END OF TIME STEP 5 IN STRESS PERIOD 1

 1 2 3 4 5 6 7

0	1	10.00	9.00	8.00	6.00	4.00	2.00	.00
0	2	9.59	9.01	8.18	7.10	5.90	4.56	3.00
0	3	9.25	8.77	8.12	7.82	7.45	6.83	6.00
0	4	8.89	8.22	7.20	8.10	8.74	8.83	8.00
0	5	8.69	7.50	3.88	8.12	10.09	11.24	12.00
0	6	9.17	8.73	8.20	9.91	11.76	13.55	15.00
0	7	9.60	9.53	9.76	11.06	13.00	15.68	20.00

VOLUMETRIC BUDGET FOR ENTIRE MODEL AT END OF TIME STEP 5 IN STRESS PERIOD 1

 CUMULATIVE VOLUMES

L**3

RATES FOR THIS TIME STEP

L**3/T

IN:

STORAGE = .14061E+06
 CONSTANT HEAD = .12588E+07
 WELLS = .00000
 RECHARGE = .32850E+07
 TOTAL IN = .46844E+07

OUT:

STORAGE = 45723.
 CONSTANT HEAD = .17203E+07
 WELLS = .29200E+07
 RECHARGE = .00000
 TOTAL OUT = .46861E+07

IN:

STORAGE = 14.471
 CONSTANT HEAD = 3469.4
 WELLS = .00000
 RECHARGE = 9000.0
 TOTAL IN = 12484.

OUT:

STORAGE = .00000
 CONSTANT HEAD = 4489.3
 WELLS = 8000.0
 RECHARGE = .00000
 TOTAL OUT = 12489.

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0
0
0

IN - OUT = -1651.5
PERCENT DISCREPANCY = -.04

IN - OUT = -5.4619
PERCENT DISCREPANCY = -.04

TIME SUMMARY AT END OF TIME STEP 5 IN STRESS PERIOD 1

	SECONDS	MINUTES	HOURS	DAYS	YEARS
TIME STEP LENGTH	.121062E+08	201771.	3362.84	140.118	.383624
STRESS PERIOD TIME	.315360E+08	525600.	8760.00	365.000	.999316
TOTAL SIMULATION TIME	.315360E+08	525600.	8760.00	365.000	.999316

1

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