WSRC-RP-2001-4201

Uncertainty Analysis for the Southern TCE Plume in the C-Area Groundwater Operable Unit

by

K. E. Brewer

Westinghouse Savannah River Company
Savannah River Site
Aiken, South Carolina 29808

T. L. Fogle

DOE Contract No. **DE-AC09-96SR18500**

This paper was prepared in connection with work done under the above contract number with the U. S. Department of Energy. By acceptance of this paper, the publisher and/or recipient acknowledges the U. S. Government's right to retain a nonexclusive, royalty-free license in and to any copyright covering this paper, along with the right to reproduce and to authorize others to reproduce all or part of the copyrighted paper.

This document was prepared in conjunction with work accomplished under Contract No. DE-AC09-96SR18500 with the U. S. Department of Energy.

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

This report has been reproduced directly from the best available copy.

Available for sale to the public, in paper, from: U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161,
phone: (800) 553-6847,
fax: (703) 605-6900
email: orders@ntis.fedworld.gov
online ordering: http://www.ntis.gov/support/index.html

Available electronically at http://www.osti.gov/bridge
Available for a processing fee to U.S. Department of Energy and its contractors, in paper, from: U.S. Department of Energy, Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831-0062,
phone: (865)576-8401,
fax: (865)576-5728
email: reports@adonis.osti.gov

United States Department of Energy

Savannah River Site

Uncertainty Analysis for the Southern TCE Plume in the C-Area Groundwater Operable Unit (U)

Kevin E. Brewer and Tamara L. Fogle

WSRC–RP–2001-4201

Revision 0

November 2001

Prepared by:
Westinghouse Savannah River Company LLC
Savannah River Site
Aiken, SC 29808

Prepared for the U. S. Department of Energy Under Contract No. DE-AC09-96SR18500

Technical Review and Approval Page

Date:_____ Signature:_____
Name: Kevin E. Brewer, Author
Hydrogeological Analysis and Evaluation Group

Date:_____ Signature:_____
Name: Tamara L. Fogle, Author
Hydrogeological Analysis and Evaluation Group

Date:_____ Signature:_____
Name: Cynthia Sochor, Technical Reviewer
Hydrogeological Analysis and Evaluation Group

Date:_____ Signature:_____
Name: Alice L. Stieve, ER Project Modeling Lead
Hydrogeological Analysis and Evaluation Group

Date:_____ Signature:_____
Name: Elizabeth G. Topp, Manager
Hydrogeological Analysis and Evaluation Group

This page has been intentionally left blank

EXECUTIVE SUMMARY

This report documents an uncertainty analysis on a local groundwater flow and transport model for the C-Area Reactor Groundwater Operable Unit. The work is a continuation of the recently completed regional groundwater flow model for C Area (Bills et al. 2000) and the local flow and transport model for the southern C-Area plumes (Fogle and Brewer, 2001). The local flow and transport model is a representation of groundwater flow and contaminant migration through the Upper Three Runs aquifer, southwest to Fourmile Branch and Castor Creek. The uncertainty analysis focused on total TCE flux to the streams, as well as maximum concentration discharge locations.

The uncertainty analysis considered parameter uncertainty only (i.e., that uncertainty resulting from our lack of knowledge of parameter values). The parameters that were varied included hydraulic conductivity (for those zones/layers determined "sensitive" in the flow model report), porosity, recharge, and dispersivity.

The results of this uncertainty analysis show that the original calibrated model results (for TCE stream flux and discharge location) are within the 90% confidence intervals, and that the uncertainty about the TCE mass flux to both Castor Creek and Fourmile Branch were significant (approximately +/- 50%). There appears to be little uncertainty about the maximum concentration discharge locations for each stream and that those locations do not significantly vary throughout time. However, this could be due to the uncertainty analysis assumptions/implementation.

The results showed a strong correlation between layer 4 (the middle aquifer zone) horizontal hydraulic conductivity and total TCE flux to the streams, and that the uncertainty about Castor Creek TCE flux could be slightly reduced by eliminating the layer 4 horizontal hydraulic conductivity uncertainty. Since correlations between other parameters and total TCE flux were insignficant, reductions in those parameter uncertainties would likely not reduce the overall uncertainty of total TCE flux.

TABLE OF CONTENTS

1.0 INTRODUCTION 1

1.1 ANALYSIS OBJECTIVES AND CHARACTERISTICS 1

2.0 SUMMARY OF APPROACH 2

2.1 MONTE CARLO METHOD 2
2.2 IMPLEMENTATION 3

3.0 DATA AND ASSUMPTIONS 4

3.1 UNCERTAIN PARAMETERS 4
3.2 FLOW CALIBRATION TARGETS 7
3.3 TRANSPORT RESULTS "TARGETS" 8

4.0 RESULTS 8

4.1 PARAMETER UNCERTAINTY 9
4.2 TOTAL FLUX TO STREAMS 10
4.3 LOCATION OF MAXIMUM CONCENTRATION FLUX TO STREAMS 11
4.4 REDUCING UNCERTAINTY 11

5.0 SUMMARY AND CONCLUSIONS 12

6.0 REFERENCES 13

LIST OF FIGURES

Figure 1-1. Local Flow and Transport Model Domain 26
Figure 1-2. Hydrogeologic Conceptual Model 27
Figure 2-1. Flow Diagram for Monte Carlo Method 28
Figure 3-1. Histograms of Parameter Multipliers for Parameters 1, 2, and 3 29
Figure 3-2. Histograms of Parameter Multipliers for Parameters 4 and 5 30
Figure 3-3. Histograms of Parameter Multipliers for Parameters 6 and 7 31
Figure 3-4. Histogram of Parameter Multipliers for Parameter 8 32
Figure 3-5. Stream/Drain Arcs and Monitoring Well Targets 33
Figure 4-1. Cumulative Statistics for basecaseB Monte Carlo Runs 34
Figure 4-2. Cumulative Statistics for phyto_edgeB Monte Carlo Runs 35
Figure 4-3. basecaseB TCE Mass Flux Results for Each Iteration 36
Figure 4-4. phyto_edgeB TCE Mass Flux Results for Each Iteration 37
Figure 4-5. 90% Confidence Interval for basecaseB TCE Mass Flux Iterations 38
Figure 4-6. 90% Confidence Interval for phyto_edgeB TCE Mass Flux Iterations 39
Figure 4-7. 90% Confidence Interval for the Difference of basecaseB and phyto_edgeB TCE Mass Flux Iterations 40
Figure 4-8. Frequency Histogram of TCE Mass Flux for basecaseB at 5 Years 41
Figure 4-9. Frequency Histogram of TCE Mass Flux for basecaseB at 15 Years 42
Figure 4-10. Frequency Histogram of TCE Mass Flux for basecaseB at 50 Years 43
Figure 4-11. Frequency Histogram of TCE Mass Flux for phyto_edgeB at 5 Years 44
Figure 4-12. Frequency Histogram of TCE Mass Flux for phyto_edgeB at 15 Years 45
Figure 4-13. Frequency Histogram of TCE Mass Flux for phyto_edgeB at 50 Years 46
Figure 4-14. basecaseB TCE Mass Flux Results for Iterations with No Deviation from Head and Flux Target Values in the Calibrated Model 47

Figure 4-15. basecaseB Frequency Histogram of Location of Maximum TCE Concentration Along Model Discharge Points 48
Figure 4-16. phyto_edgeB Frequency Histogram of Location of Maximum TCE Concentration Along Model Discharge Points 49
Figure 4-17. basecaseB Parameter Correlation for Fourmile Branch and Castor Creek at 5 Years 50
Figure 4-18. basecaseB Parameter Correlation for Fourmile Branch and Castor Creek at 15 Years 51
Figure 4-19. basecaseB Parameter Correlation for Fourmile Branch and Castor Creek at 50 Years 52
Figure 4-20. Cumulative Statistics for basecaseB_kh4off Monte Carlo Runs 53
Figure 4-21. basecaseB_kh4off TCE Mass Flux Results for Each Iteration 54
Figure 4-22. 90% Confidence Interval for basecaseB_kh4off TCE Mass Flux Iterations 55
Figure 4-23. Frequency Histogram of TCE Mass Flux for basecaseB_kh4off at 5 Years 56
Figure 4-24. Frequency Histogram of TCE Mass Flux for basecaseB_kh4off at 15 Years 57
Figure 4-25. Frequency Histogram of TCE Mass Flux for basecaseB_kh4off at 50 Years 58

LIST OF TABLES

Table 3-1 Head Targets for Flow Model Calibration Comparison 15
Table 3-2 Flux Arc Targets for Flow Model Calibration Comparison 16
Table 4-1 Parameter Correlation Coefficients 25
Table 4-2 Parameter Correlation with Castor Creek and Fourmile Branch TCE Flux for basecaseB Scenario 25

LIST OF APPENDICES

Appendix A Analysis of Atypical Results
Appendix B Parameter and Results Listing

LIST OF ACRONYMS AND ABBREVIATIONS

2D	two-dimensional
3D	three-dimensional
CRGW	C-Area Reactor Groundwater
CRSB	C-Reactor Seepage Basin
ft/d	feet per day
GA	Gordon aquifer
GCU	Gordon confining unit
GMS	Groundwater Modeling System
gpm	gallons per minute
HCM	hydrogeologic conceptual model
Kd	sorption coefficient
kg	kilogram
kg/yr	kilograms per year
LAZ	lower aquifer zone
LCU	lower confining unit
m	meter
MAZ	middle aquifer zone
MCL	maximum contaminant level
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
mg/L	milligrams per liter
MODFLOW	Modular Three-Dimensional Finite-Difference Groundwater Flow Model (Code)
MT3DMS	transport modeling code
OU	Operable Unit
QA	Quality Assurance
RCRA	Resource Conservation and Recovery Act
RFI/RI/BRA	RCRA Facility Investigation/Remedial Investigation/Baseline Risk Assessment
SRS	Savannah River Site
TCE	trichloroethylene
TCCU	tan clay confining unit
UAZ	upper aquifer zone
USDOD	United States Department of Defense
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
UTRA	Upper Three Runs aquifer
WSRC	Westinghouse Savannah River Company, LLC

1.0 INTRODUCTION

This report documents an uncertainty analysis performed for a local groundwater flow and transport model for the C-Area Reactor Groundwater (CRGW) Operable Unit (OU). The analysis is a continuation of the recently completed regional groundwater flow model for C Area (Bills et al. 2000) and the local flow and transport model for the southern TCE and tritium plumes (Fogle and Brewer 2001) (Figures 1-1 and 1-2). The underlying local flow and transport model for this uncertainty analysis is a representation of groundwater flow and contaminant migration through the Upper Three Runs aquifer (UTRA), southwest to Fourmile Branch and Castor Creek. The model domain encompasses an area that includes the intermingled southern trichloroethylene (TCE) and southern tritium plumes. Only the TCE plume was considered for this uncertainty analysis.

1.1 Analysis Objectives and Characteristics

This groundwater modeling uncertainty analysis was performed to determine, quantitatively, the impact of parameter uncertainty on selected transport results for the recently completed southern C-Area TCE plume flow and transport models. The general characteristics of the modeling are as follows (WSRC 2001a):

- The uncertainty analysis considers parameter uncertainty only (i.e., that uncertainty resulting from our lack of knowledge of parameter values). The parameters that were varied include hydraulic conductivity, porosity (for those zones/layers determined "sensitive" in the flow model report), recharge, and dispersivity (for those zones/layers determined "sensitive" in the transport model report).

- Only the *basecaseB* and *phyto_L4L6_edgeB* (see Fogle and Brewer 2001) scenarios are considered.

- The analysis considers uncertainty of stream TCE contaminant fluxes (Castor Creek and Fourmile Branch), Castor Creek and Fourmile Branch stream discharge locations for

maximum TCE concentration, and the stream TCE contaminant flux differences between the *basecaseB* and *phyto_L4L6_edgeB* scenarios.

- The uncertainty analysis uses a Monte Carlo technique.

- The flow field is steady state, simulating the long-term average flow system. The transport model simulates 50 years.

2.0 SUMMARY OF APPROACH

All groundwater modeling results are subject to uncertainty due to (1) incomplete knowledge of parameter values, (2) incomplete or incorrect knowledge of the physical system, and (3) necessary simplification of the physical system being modeled. The latter two causes are typically considered "modeling uncertainty," with the first cause as "prediction uncertainty." For this analysis, only "prediction uncertainty" (i.e., "parameter uncertainty") was evaluated.

The technical approach used for this uncertainty analysis was based on the classical Monte Carlo method that has been used in many disciplines to evaluate uncertainty and risk. Because the analysis was to quantitatively determine confidence intervals and uncertainty about various groundwater modeling results, other possible uncertainty analysis techniques (such as perturbation and first-order approximation) were determined to be inappropriate.

2.1 Monte Carlo Method

The Monte Carlo method is relatively straightforward to understand and implement when assessing "prediction/parameter uncertainty." With the method, random samples from uncertain parameter probability distributions are chosen, the model(s) are run, and the results are extracted and stored. After a significant number of these "realizations" (or "iterations") are performed, the results are evaluated using standard statistical methods and presentations. The key is to run enough iterations to arrive at stable statistical distributions for the results being evaluated.

For this effort, the Monte Carlo method was implemented as the following algorithm (see also Figure 2-1):

Generate 5000 sets of random parameters.

For each iteration:

1. Obtain a random parameter value for each of the uncertain modeling parameters.
2. Run MODFLOW.
3. If MODFLOW converged, evaluate the closeness of the model results to head and flux calibration targets.
4. If the flow model is within desired calibration ranges, run MT3DMS.
5. If the MT3DMS final mass balance error is less than 5%, consider the run successful and record desired results.

2.2 Implementation

The algorithm discussed above was implemented in an Excel spreadsheet using Visual Basic macros and custom programs, with the random parameter values generated using the Crystal Ball add-in for Excel (Decisioneering 2001). Appropriate QA reviews have been performed on the software (WSRC 2001b). The software was constructed to allow distributed processing for blocks of iterations. Up to ten computers were simultaneously used to complete 5000 total iterations for each scenario being analyzed. Total processing time for each 5000 iteration block was approximately one cpu-month (720 cpu-hours). A total of three scenarios were analyzed:

basecaseB: the no-action with continuous source scenario,

phyto_ edgeB: a remedial option with continuous source scenario, and

basecaseB_kh4off: the no-action with continuous source scenario with no uncertainty for layer 4 horizontal hydraulic conductivity.

3.0 DATA AND ASSUMPTIONS

3.1 Uncertain Parameters

A total of eight uncertain parameters were used in this analysis, based on the results from the flow and transport model sensitivity analyses (see Bills et al. 2000, and Fogle and Brewer 2001). To simplify the software and analysis, parameter layer multipliers were used to vary the uncertain flow and transport parameters in the model input files. Individual parameter layer multiplier distribution types and limits were chosen using professional judgement to achieve an appropriate uncertainty distribution. The parameters/multipliers and their respective uncertainty distributions were as follows (see also Figures 3-1 through 3-4, and Appendix B):

Parameter 1: *Recharge* — The calibrated model recharge was 12.5 in/yr (i.e., at a multiplier of 1.0). Based on the flow model sensitivity analysis and engineering judgement, the *Recharge* multiplier was assumed to be normally distributed with a mean of 1.0 and a standard deviation of 0.1, with a minimum cutoff of 0.65 (8.13 in/yr) and a maximum cutoff of 1.45 (18.13 in/yr).

Parameter 2: *Kh Layer 1* — The calibrated model horizontal hydraulic conductivity zone values in transport model layer 1 were between 13.0 and 55.0 ft/day. Based on engineering judgement, the *Kh Layer 1* multiplier was assumed to be normally distributed with a mean of 1.0 and a standard deviation of 0.25, with a minimum cutoff 0.25 (i.e., zone values between 3.25 and 13.75 ft/day) and a maximum cutoff of 1.45 (i.e., zone values between 18.85 and 79.75 ft/day). Although hydraulic conductivity is generally thought to be lognormally distributed, because the calibrated values were already thought to be on the high-side of possible/likely

values, higher probability on the low-end of the distribution was deemed to be realistic, and a normal distribution was chosen to satisfy this assumption. In addition, because of the assumed distribution cutoffs, the ultimate probability differences between the lognormal and normal distributions would be minor.

Parameter 3: *Kh Layer 2* This parameter, the horizontal hydraulic conductivity multiplier for transport model layer 2, was kept equivalent to Parameter 2. Layers 1 and 2 make up the water table aquifer in the model, and so are assumed to have the same aquifer properties.

Parameter 4: *Kh Layer 4* The calibrated model horizontal hydraulic conductivity zones in transport model layer 4 had values between 10.0 and 60.0 ft/day. The *Kh Layer 4* multiplier was assumed to be normally distributed with a mean of 1.0 and a standard deviation of 0.3, with a minimum cutoff 0.1 (i.e., zone values between 1 and 6 ft/day) and a maximum cutoff of 1.15 (i.e., zone values between 11.5 and 69 ft/day). As with parameter 2&3, the calibrated model values for the layer 4 Kh zones were believed to be on the high-end. Thus, a normal distribution with a high-end cutoff was assumed to represent the range and likelihood of this uncertain parameter.

Parameter 5: *Kv Layer 3* The calibrated model vertical hydraulic conductivity in zones for transport model layer 3 were between 0.0025 and 0.02 ft/day. The *Kv Layer 3* multiplier was assumed to be log-normally distributed with a mean of 1.0 and a standard

deviation of 1.0, with a minimum cutoff 0.1 (i.e., zone values between 0.00025 and 0.002 ft/day) and a maximum cutoff of 3.3 (i.e., zone values between 0.00825 and 0.066 ft/day)

Parameter 6: *Kv Layer 5* The calibrated model vertical hydraulic conductivity zones in transport model layer 5 were between 0.0008 and 0.025 ft/day. The *Kv Layer 5* multiplier was assumed to be log-normally distributed with a mean of 1.0 and a standard deviation of 1.13, with a minimum cutoff 0.06 (i.e. zone values between 0.000048 and 0.0015 ft/day) and a maximum cutoff of 10.0 (i.e., zone values between 0.008 and 0.25 ft/day).

Parameter 7: *Long. Disp.* The calibrated model longitudinal dispersivity in the transport model was 5 ft. This is a low value compared to typical values reported in the literature, and when compared to the general guidance of longitudinal dispersivity being one-tenth the plume length. Consequently, it was assumed that much higher values would be more probable. Thus, the *Long. Disp.* multiplier was assumed to be log-normally distributed with a mean of 1.0 and a standard deviation of 2.0, with a minimum cutoff 0.5 (2.5 ft) and a maximum cutoff of 6.0 (30 ft).

Parameter 8: *Aq. Porosity* The calibrated model aquifer (effective) porosity in the transport model was 0.20. The *Aq. Porosity* multiplier was assumed to have a triangular distribution with a mean of 1.0, a minimum of 0.75 (0.15), and a maximum of 1.75 (0.35). The aquifer porosity value affected transport model

layers 1, 2, 4, 6, 7, and 9. No previously defined probability distributions for porosity at SRS were know, so a triangular distribution was chosen (over a normal distribution) for simplicity.

3.2 Flow Calibration Targets

Forty head targets based on the flow model head targets (observation points) (Bills et al. 2000) were used in this analysis, as shown on Table 3-1 and Figure 3-5. These target values were compared to each iteration's flow model results. If the model results were outside the head target range, the total "score" was reduced by one. If the final total "score" was less than -5 (i.e., more than 5 head targets out of range), then the iteration was considered "out of calibration," no uncertainty results were computed, and a new iteration was started.

Seven flux target arcs from the calibrated flow model were also used as targets in this analysis. As shown on Figure 3-5, each reach of Fourmile Branch and Castor Creek was used to determine if each iteration's flow model results were acceptable for continued analysis. Individual cell designations for each arc are given in Table 3-2. As with the head targets, if the model results were outside the flux target range for a flux arc, the total "score" was reduced by one. If the final total "score" was less than -2 (i.e., more than two arcs out of range), then the iteration was considered "out of calibration," no uncertainty results were computed, and a new iteration was started.

The "score" cutoff limits of -5 (head) and -2 (flux) were considered reasonable, and were selected based on professional judgement to ensure sufficient "successful" iterations. However, because these limits are different from "0" and "1" used with the original flow model, the resulting "successful" iteration "calibration" is somewhat less restrictive. It is not expected that this is a significant factor in the interpretation of the results.

3.3 Transport Results "Targets"

The Fourmile Branch and Castor Creek streams were the focus of the uncertainty results. Total contaminant flux to Castor Creek was computed using the drain locations for "Arc 6", and with total contaminant flux to Fourmile Branch was computed using the other six target arcs, as shown in Figure 3-5 and listed in Table 3-2.

At the end of each successful iteration, total contaminant flux for each stream was computed for each time step, and the cells with the maximum contaminant concentration for each stream for each time step was recorded.

4.0 RESULTS

During initial analysis of the results, some atypical results were noted for some of the iterations. After further analysis and investigation, it was determined that the atypical results were due to a sporadic, "catastrophic failure" of one of the computer programs. The exact cause of this failure is still unknown, but it was determined that the failed iterations could be easily identified, with the remaining results considered valid. Thus, the atypical iterations were identified and discarded prior to final analysis and the following discussion of results reflect only the "good" data. The specifics for the complete analysis of the atypical iterations are given in Appendix A.

Out of the 5000 realizations (iterations) attempted, only 926 passed the MODFLOW head and flux calibration evaluation (as discussed in section 3.2) and a MT3DMS mass balance check (see Appendix B). Of these 926 "successful" iterations, only 13 iterations showed no deviations from calibration targets/ranges (i.e., MODFLOW head and flux scores were both "0").

In general, it is believed that enough "successful" Monte-Carlo iterations are performed when there are no further significant changes to the result value's cumulative mean and standard deviation (so that the ensemble statistics are representative of the overall uncertainty). In this work, the most important result is the total Castor Creek flux – and that value was used to evaluate the adequacy of the number of iterations. Figure 4-1 is a plot of the Castor Creek flux cumulative mean and standard deviation for the 926 "successful" iterations for *basecaseB* at

Year 5, 15, and 50. The plot clearly shows stable cumulative statistics after a few hundred iterations – throughout the forecasted years. Figure 4-2 is a similar plot for the *phyto_edgeB* scenario, also showing stable cumulative statistics after a few hundred iterations. These plots indicate that the statistical results from the set of 926 "successful" iterations will be representative of the parameter uncertainty results.

4.1 Parameter Uncertainty

The resulting parameter distributions for the 926 "successful" iterations are given in Figures 3-1 through 3-4. As shown, the "successful" distributions for Parameters 4 through 8 were very similar to those of the total distributions. The "successful" distribution for Parameter 1 appears shifted left (to lower values) from the original assumed distribution. This seems to imply that the flow model can not be easily calibrated (even with varying other parameters) with significant increases to recharge, but that decreases in recharge can more easily result in a calibrated model. Similarly, the "successful" distribution for Parameter 2 (and 3 by correlation) is shifted right (to higher values) from the original assumed distribution. This seems to imply that the flow model can not be easily calibrated with significantly lower horizontal conductivity in the water table aquifer.

The generally lower recharge, along with the generally higher hydraulic conductivity, does not seem at first to be logical. Due to Darcy's law and the desire to maintain head calibration, in a simple system any decrease in recharge would require a decrease in hydraulic conductivity. Similarly, any increase in hydraulic conductivity in a simple system would require an increase in recharge. In either case, however, these changes would not maintain any desired fluxes through the system. Thus, for this C-Area model, it appears that the complexity of the groundwater system allows simultaneous increases in conductivity with decreases in recharge, while still maintaining head and flux calibration.

The original distributions and subsequent sets of random parameter values were assumed to be independent (except for Parameters 2 and 3 which were fully, positively correlated). Table 4-12 shows that the original set of random parameters were not correlated one-to-another.

Table 4-1 also shows that the sets of random parameter values for the "successful" iterations were not significantly correlated to each other. Possible correlation between parameter values and results is discussed in section 4.4.

4.2 Total Flux to Streams

Figures 4-3 and 4-4 provide a view of all "successful" iterations for total TCE mass flux to Castor Creek and Fourmile Branch for the *basecaseB* and *phyto_edgeB* scenarios. Also included on the figures for reference are the previously reported model results. Figures 4-5 and 4-6 provide the median, calibrated model, and 5% and 95% confidence levels for TCE mass flux to the two streams for the two scenarios. The 95% confidence level, for example, is simply the value, at each time, where 95% of the "successful" iteration results were lower, and does not represent any single iteration. The area between the 5% and 95% confidence levels is considered the 90% confidence interval.

Figure 4-7 shows the median, previously reported model, and 90% confidence interval for the TCE mass flux reduction between the *basecaseB* and *phyto_edgeB* scenarios for the two streams. The reduction was calculated by subtracting mass flux from equivalent iterations (i.e., from each *basecaseB* and *phyto_edgeB* iteration which used the same parameters). This figure shows that the median of the maximum Castor Creek mass flux reduction (i.e., the largest reduction throughout the 50 year timeframe) is near 5.5 kg/yr. This compares favorably with the previously reported model results of a maximum reduction near 6.5 kg/yr. The uncertainty surrounding that value is approximately +/- 2.2 kg/yr. As shown, the uncertainty surrounding the Fourmile Branch TCE mass flux reduction is even more (when considered as a percentage of total flux), particularly in later years.

In general, the previously reported model results are within the 90% confidence intervals. However, it is noted that the previously reported results are near the confidence interval limits. The cause for this "bias" is not known, but may be related to potential "bias" in the assumed parameter distributions. Further investigation would be required to adequately discern the cause for the "bias."

For reference, frequency histograms were created for each stream's TCE mass flux at 5, 15, and 50 years, for the *basecaseB* and *phyto_edgeB* scenarios, and are presented as Figures 4-8 through 4-13. Also for reference, Figure 4-14 provides a view of total TCE mass flux to Castor Creek and Fourmile Branch for the 13 *basecaseB* scenario iterations which had no deviations from calibration targets (as discussed above). Although the sample size precluded statistical analysis, a visual comparison of this figure to Figure 4-5 shows that the results are similar and supports the use of the more "relaxed" calibration comparison.

4.3 Location of Maximum Concentration Flux to Streams

Frequency histograms were created for each stream's location of maximum TCE mass flux at 5 and 50 years, for the *basecaseB* and *phyto_edgeB* scenarios (see Figures 4-15 and 4-16). As shown, the location of the maximum concentration does not vary significantly between iterations, through time, nor with either scenario. This result implies that the modeled plume discharge is insensitive to parameter layer multiplier changes, and there is high confidence in the predicted maximum discharge concentration locations. This is assumed to be a result of the hydraulic conductivity parameter zonation within each layer that was created so that the existing plume path would be reproduced in the model. Since this uncertainty analysis only changes layer multipliers, the inter-level heterogeneity is still preserved, and the flow paths remained relatively intact.

4.4 Reducing Uncertainty

Figures 4-17 through 4-19 provide correlation results between each parameter and total TCE mass flux to Fourmile Branch and Castor Creek. Table 4-2 provides correlation coefficients between each parameter and total TCE mass flux to both Castor Creek and Fourmile Branch. As shown, there is essentially no correlation between Parameters 2&3, 5, 6, 7, and 8, and Castor Creek TCE mass flux. There appears to be a slight correlation between Parameter 1 (recharge) and Castor Creek TCE mass flux, and a strong positive correlation between Parameter 4 (layer 4 Kh) and Castor Creek TCE mass flux. It is uncertain whether the correlations of Parameters 1 and 4 with the results are masking possible correlations for the other parameters.

Correlation between Fourmile Branch TCE mass flux and the parameters is different than that for Castor Creek. As Table 4-2 shows, there is some correlation between Fourmile Branch TCE flux and Parameters 2&3 (layer 1 and 2 Kh) and 4 (layer 4 Kh). Since the location of the maximum discharge concentration did not change significantly for the iterations, correlations between parameters and discharge locations were not calculated. Overall, therefore, it appears that the most important parameter is layer 4 Kh.

To determine the impact on TCE mass flux results by reducing uncertainty about the layer 4 Kh value, the *basecaseB_kh4off* scenario was run which assumed the layer 4 Kh value was known (at the calibrated model value). (In a practical sense, the reduction in uncertainty for the layer 4 Kh value could be achieved by performing aquifer tests throughout the model domain.) Figures 4-20 through 25 provide the results for this scenario. As shown on Figure 4-22, the confidence intervals for the TCE mass flux are slightly reduced (compared to Figure 4-5).

5.0 SUMMARY AND CONCLUSIONS

The results of this uncertainty analysis show that the original calibrated model results (for TCE mass flux and discharge location) are within the 90% confidence intervals, assuming uncertainty for eight flow and transport model parameters. The results also indicate that the uncertainty about the TCE mass flux is significant. In particular, at the time of maximum TCE mass flux, the Castor Creek mass flux uncertainty is approximately +/- 50%. Similar results were seen for Fourmile Branch TCE mass flux.

There appears to be little uncertainty about the maximum discharge locations for each stream, and the locations do not significantly vary throughout time. This is likely due to the using only uncertain layer multipliers (in-layer heterogeneity remaining intact).

The results showed a strong correlation between layer 4 Kh and total TCE mass flux, and that the uncertainty about Castor Creek TCE mass flux could be slightly reduced by eliminating the layer 4 Kh uncertainty. Since correlations between other parameters and total TCE mass flux were

insignficant, reductions in those parameter uncertainties would likely not reduce the overall uncertainty of total TCE mass flux.

6.0 REFERENCES

Bills, T.L., K.E. Brewer, A.L. Stieve, and M.S. Rabin, 2000. *Groundwater Flow Modeling for C-Area Groundwater Operable Unit (U),* Revision 0. WSRC-RP-2000-4096, Savannah River Site, Aiken, South Carolina, November

Brigham Young University (BYU), 1999. *The Department of Defense, Groundwater Modeling System (GMS) Version 3.0.* Brigham Young University Environmental Modeling Research Laboratory, November

Decisioneering, 2001. Crystal Ball 2000.2 User Manual, Decisioneering Inc., Denver Colorado.

Fetter, C.W., 1994. *Applied Hydrogeology,* Third Edition. Prentice Hall, Upper Saddle River, New Jersey

Fogle, T.L. and K.E. Brewer, 2001. *Groundwater Transport Modeling for Southern TCE and Tritium Plumes in the C-Area Groundwater Operable Unit (U).* WSRC-TR-2001-00206 Rev. 0, Savannah River Site, Aiken, South Carolina, June

McDonald, M.G. and A.W. Harbaugh, 1988. *A Modular Three Dimensional Finite-Difference Groundwater Flow Model*. Techniques of Water Resources Investigations 06-A1, United States Geological Survey

WSRC, 1998. *Conduct of Engineering and Technical Support (U),* Revision 30. SRS Procedure Manual E-7, Savannah River Site, Aiken, South Carolina

WSRC, 2000. *Technical Task Plan, Groundwater Modeling for the C-Area Groundwater (U).* ERD-2000-00232, Savannah River Site, Aiken, South Carolina, March

WSRC, 2001a. *Technical Task Plan, Uncertainty Analysis in Conjunction with Recent Groundwater Flow and Transport Modeling for C Reactor Groundwater Operable Unit.* K-ESR-C-00003 Rev. 1, Savannah River Site, Aiken, South Carolina

WSRC, 2001b. *Uncertainty Analysis for Contaminant Flow and Transport Modeling.* K-CLC-G-00075 Rev. 0, Savannah River Site, Aiken, South Carolina

Zheng, C. and P.P. Wang, 1999. *MT3DMS, A Modular Three-Dimensional Multispecies Transport Model for Simulation of Advection, Dispersion and Chemical Reactions of Contaminants in Groundwater Systems (MT3DMS) (Release DoD_3.50.A).* Documentation and User's Guide, Department of Geological Sciences, Department of Mathematics, University of Alabama, Tuscaloosa, Alabama, November

Table 3-1 Head Targets for Flow Model Calibration Comparison

Grid Column	Grid Row	Grid Layer	Head Target Value (ft)	Value + / - (ft)
1	51	63	226.3	2.5
1	52	62	224.2	2.5
1	53	62	226.2	2.5
1	53	63	227.5	2.5
1	35	59	213.8	2.5
1	36	58	214.5	2.5
1	25	53	208.7	2.5
1	23	54	207.4	2.5
1	24	51	208.1	2.5
1	24	51	206.4	2.5
1	26	51	207.6	2.5
1	26	54	210.8	2.5
1	21	53	206.7	2.5
1	24	49	207.4	2.5
1	22	54	207.2	2.5
1	21	50	203.9	2.5
1	24	52	205.8	5.0
1	33	55	212.7	2.5
1	35	53	210.7	2.5
1	34	52	210.4	2.5
1	33	53	210.4	2.5
1	31	53	210.4	2.5
1	32	55	211.1	2.5
1	37	55	212.8	2.5
1	32	44	202.5	2.5
1	31	40	201.2	2.5
1	39	40	200.9	2.5
4	37	55	204.9	5.0
4	33	55	204.4	5.0
4	31	53	206.0	2.5
4	38	21	171.8	2.5
5	11	27	157.2	2.5
5	63	68	228.4	2.5
7	24	51	195.4	2.5
7	26	54	198.4	2.5
7	18	26	170.5	2.5
7	25	8	158.1	2.5
7	39	40	191.2	2.5
9	39	72	168.5	2.5
9	39	72	169.0	2.5

Table 3-2 Flux Arc Targets for Flow Model Calibration Comparison

Arc 1		Target Flux (cfs)	0.37		Range + / - (cfs)	0.05		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
1	11	92	1	37	93	2	21	94
1	12	92	1	38	93	2	29	94
1	13	92	1	38	94	2	30	94
1	14	92	1	39	94	2	31	94
1	15	92	1	40	94	2	32	94
1	16	92	1	41	94	2	33	94
1	17	92	1	41	93	2	34	94
1	18	92	1	42	93	2	34	93
1	18	93	1	43	93	2	35	93
1	19	93	1	44	93	2	36	93
1	20	93	2	11	92	2	37	93
1	21	93	2	12	92	2	38	93
1	22	93	2	13	92	2	38	94
1	23	93	2	14	92	2	39	94
1	24	93	2	15	92	2	40	94
1	25	93	2	16	92	2	41	94
1	26	93	2	17	92	2	41	93
1	27	93	2	18	92	2	42	93
1	28	93	2	18	93	2	43	93
1	29	93	2	19	93	2	44	93
1	20	94	2	20	93			
1	21	94	2	21	93			
1	29	94	2	22	93			
1	30	94	2	23	93			
1	31	94	2	24	93			
1	32	94	2	25	93			
1	33	94	2	26	93			
1	34	94	2	27	93			
1	34	93	2	28	93			
1	35	93	2	29	93			
1	36	93	2	20	94			

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 2		Target Flux (cfs)	0.06		Range + / - (cfs)	0.03		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
1	7	81	1	27	80	2	13	78
1	8	81	1	28	80	2	16	80
1	8	80	1	24	79	2	17	80
1	9	80	1	28	81	2	18	80
1	10	80	1	29	81	2	19	80
1	10	79	1	30	81	2	20	80
1	11	79	1	31	81	2	21	80
1	12	79	1	31	80	2	22	80
1	13	79	1	32	80	2	23	80
1	14	79	1	33	80	2	24	80
1	15	79	1	34	80	2	25	80
1	16	79	1	35	80	2	26	80
1	13	78	2	7	81	2	27	80
1	16	80	2	8	81	2	28	80
1	17	80	2	8	80	2	24	79
1	18	80	2	9	80	2	28	81
1	19	80	2	10	80	2	29	81
1	20	80	2	10	79	2	30	81
1	21	80	2	11	79	2	31	81
1	22	80	2	12	79	2	31	80
1	23	80	2	13	79	2	32	80
1	24	80	2	14	79	2	33	80
1	25	80	2	15	79	2	34	80
1	26	80	2	16	79	2	35	80

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 3		Target Flux (cfs)	0.15		Range + / - (cfs)	0.04		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
1	7	57	1	18	59	2	15	58
1	8	57	1	19	59	2	16	58
1	8	58	1	19	60	2	17	58
1	9	58	1	20	60	2	17	59
1	10	58	2	7	57	2	18	59
1	11	58	2	8	57	2	19	59
1	12	58	2	8	58	2	19	60
1	12	57	2	9	58	2	20	60
1	13	57	2	10	58	3	3	57
1	14	57	2	11	58	3	4	57
1	14	58	2	12	58	3	5	57
1	15	58	2	12	57	3	6	57
1	16	58	2	13	57	3	7	57
1	17	58	2	14	57			
1	17	59	2	14	58			

Arc 4		Target Flux (cfs)	0.19		Range + / - (cfs)	0.08		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
1	11	42	1	21	47	2	20	46
1	12	42	1	22	47	2	21	46
1	13	42	2	11	42	2	21	47
1	13	43	2	12	42	2	22	47
1	14	43	2	13	42	3	8	38
1	15	43	2	13	43	3	8	39
1	15	44	2	14	43	3	9	39
1	16	44	2	15	43	3	9	40
1	17	44	2	15	44	3	10	40
1	17	45	2	16	44	3	10	41
1	18	45	2	17	44	4	7	36
1	19	45	2	17	45	4	7	37
1	19	46	2	18	45	4	8	37
1	20	46	2	19	45	4	8	38
1	21	46	2	19	46			

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 5		Target Flux (cfs)	0.15		Range + / - (cfs)	0.04		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
3	16	27	3	17	29	5	13	25
3	16	28	4	14	25	5	14	25
3	17	28	4	14	26			

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 6		Target Flux (cfs)	1.46		Range + / - (cfs)	0.28		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
1	39	55	1	56	54	1	59	38
1	40	54	1	55	54	1	59	39
1	40	55	1	55	53	1	60	37
1	41	54	1	54	53	1	60	38
1	42	54	1	54	52	1	61	37
1	43	54	1	54	51	1	62	35
1	43	53	1	54	50	1	62	36
1	44	53	1	54	49	1	62	37
1	45	53	1	54	48	1	63	30
1	46	53	1	54	47	1	63	31
1	46	52	1	55	43	1	63	32
1	47	52	1	55	44	1	63	33
1	48	52	1	55	45	1	63	34
1	48	51	1	55	46	1	63	35
1	49	51	1	55	47	1	64	32
1	50	51	1	56	40	1	64	33
1	51	51	1	56	41	1	62	29
1	51	50	1	56	42	1	62	30
1	52	50	1	56	43	1	61	29
1	53	50	1	57	33	1	60	28
1	66	64	1	57	34	1	60	29
1	66	63	1	57	35	1	59	28
1	65	63	1	57	36	1	58	27
1	65	62	1	57	37	1	58	28
1	64	62	1	57	38	1	57	26
1	64	61	1	57	39	1	57	27
1	63	61	1	57	40	1	56	25
1	63	60	1	56	32	1	56	26
1	63	59	1	56	33	1	55	24
1	62	59	1	55	31	1	55	25
1	62	58	1	55	32	1	54	24
1	61	58	1	54	31	1	53	23
1	60	58	1	53	30	1	53	24
1	59	58	1	53	31	2	39	55
1	59	57	1	52	29	2	40	54
1	59	56	1	52	30	2	40	55
1	58	56	1	51	29	2	41	54
1	58	55	1	50	29	2	42	54
1	57	55	1	58	39	2	43	54
1	56	55	1	58	40	2	43	53

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 6 con't								
Grid Layer	**Grid Row**	**Grid Column**	**Grid Layer**	**Grid Row**	**Grid Column**	**Grid Layer**	**Grid Row**	**Grid Column**
2	44	53	2	54	49	2	62	37
2	45	53	2	54	48	2	63	30
2	46	53	2	54	47	2	63	31
2	46	52	2	55	43	2	63	32
2	47	52	2	55	44	2	63	33
2	48	52	2	55	45	2	63	34
2	48	51	2	55	46	2	63	35
2	49	51	2	55	47	2	64	32
2	50	51	2	56	40	2	64	33
2	51	51	2	56	41	2	62	29
2	51	50	2	56	42	2	62	30
2	52	50	2	56	43	2	61	29
2	53	50	2	57	33	2	60	28
2	66	64	2	57	34	2	60	29
2	66	63	2	57	35	2	59	28
2	65	63	2	57	36	2	58	27
2	65	62	2	57	37	2	58	28
2	64	62	2	57	38	2	57	26
2	64	61	2	57	39	2	57	27
2	63	61	2	57	40	2	56	25
2	63	60	2	56	32	2	56	26
2	63	59	2	56	33	2	55	24
2	62	59	2	55	31	2	55	25
2	62	58	2	55	32	2	54	24
2	61	58	2	54	31	2	53	23
2	60	58	2	53	30	2	53	24
2	59	58	2	53	31	3	39	20
2	59	57	2	52	29	3	46	26
2	59	56	2	52	30	3	47	26
2	58	56	2	51	29	3	48	26
2	58	55	2	50	29	3	48	27
2	57	55	2	58	39	3	49	28
2	56	55	2	58	40	3	51	28
2	56	54	2	59	38	3	51	29
2	55	54	2	59	39	3	49	24
2	55	53	2	60	37	3	50	23
2	54	53	2	60	38	3	50	24
2	54	52	2	61	37	3	51	23
2	54	51	2	62	35	3	52	23
2	54	50	2	62	36	3	53	23

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 6 con't								
Grid Layer	**Grid Row**	**Grid Column**	**Grid Layer**	**Grid Row**	**Grid Column**	**Grid Layer**	**Grid Row**	**Grid Column**
3	53	24	4	45	24	5	38	13
3	54	24	4	45	25	5	39	14
3	55	24	4	46	24	5	39	14
3	55	25	4	46	25	5	39	15
3	56	25	4	46	26	5	39	16
3	56	26	4	47	24	5	39	17
3	57	26	4	47	26	5	39	18
3	57	27	4	48	24	5	39	19
3	58	27	4	48	26	5	39	20
3	58	28	4	48	27	5	40	20
3	59	28	4	49	24	5	40	21
3	60	28	4	49	27	5	41	21
3	60	29	4	49	28	5	41	22
3	61	29	4	50	23	5	41	23
3	62	29	4	50	24	5	42	23
3	62	30	4	50	28	5	42	24
3	63	30	4	50	29	5	43	24
3	63	31	4	51	23	5	44	24
3	63	32	4	51	29	5	45	24
3	64	32	5	28	2	5	46	24
3	64	33	5	29	2	5	47	24
4	36	11	5	29	3	5	48	24
4	37	12	5	30	3	5	49	24
4	37	13	5	30	4	5	50	23
4	38	13	5	31	4	5	50	24
4	38	14	5	31	5	5	51	23
4	39	16	5	32	5			
4	39	17	5	32	6			
4	39	18	5	33	6			
4	39	19	5	33	7			
4	39	20	5	34	7			
4	40	20	5	34	8			
4	40	21	5	35	9			
4	41	21	5	36	9			
4	41	22	5	36	9			
4	41	23	5	36	10			
4	42	23	5	37	11			
4	42	24	5	37	11			
4	43	24	5	37	12			
4	44	24	5	38	13			

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 7		Target Flux (cfs)	0.44		Range + / - (cfs)	0.08		
Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column	Grid Layer	Grid Row	Grid Column
1	10	90	2	8	89	3	3	75
1	10	91	2	7	81	3	3	66
1	10	92	2	7	82	3	2	49
1	9	89	2	7	83	3	2	50
1	9	90	2	7	84	3	2	51
1	8	85	2	7	85	3	2	52
1	8	86	2	6	79	3	2	53
1	8	87	2	6	80	3	2	54
1	8	88	2	6	81	3	2	55
1	8	89	2	5	78	3	2	56
1	7	81	2	5	79	3	2	57
1	7	82	2	4	75	3	2	58
1	7	83	2	4	76	3	2	59
1	7	84	2	4	77	3	2	60
1	7	85	2	4	78	3	2	61
1	6	79	2	3	71	3	2	62
1	6	80	2	3	72	3	2	63
1	6	81	2	3	73	3	2	64
1	5	78	2	3	74	3	2	65
1	5	79	2	3	75	3	2	66
1	4	75	2	4	72	3	2	67
1	4	76	2	4	73	3	2	68
1	4	77	3	7	81	3	2	69
1	4	78	3	6	79	3	1	52
1	3	71	3	6	80	3	1	53
1	3	72	3	6	81	3	1	47
1	3	73	3	5	78	3	1	48
1	3	74	3	5	79	3	1	49
1	3	75	3	4	75	3	2	46
1	4	72	3	4	76	3	3	44
1	4	73	3	4	77	3	3	45
2	10	90	3	4	78	4	1	46
2	10	91	3	4	72	4	1	47
2	10	92	3	4	73	4	2	45
2	9	89	3	3	69	4	2	46
2	9	90	3	3	70	4	3	41
2	8	85	3	3	71	4	3	42
2	8	86	3	3	72	4	3	43
2	8	87	3	3	73	4	3	44
2	8	88	3	3	74	4	3	45

Table 3-2 (con't) Flux Arc Targets for Flow Model Calibration Comparison

Arc 7 con't								
Grid Layer	**Grid Row**	**Grid Column**	**Grid Layer**	**Grid Row**	**Grid Column**	**Grid Layer**	**Grid Row**	**Grid Column**
4	4	39	4	13	24	5	19	10
4	4	40	4	13	25	5	19	11
4	4	41	4	17	14	5	20	8
4	5	37	5	13	22	5	20	9
4	5	38	5	13	23	5	21	7
4	5	39	5	13	24	5	21	8
4	6	35	5	13	25	5	22	5
4	6	36	5	14	25	5	22	6
4	6	37	5	14	18	5	22	7
4	7	34	5	14	19	5	23	4
4	7	35	5	14	20	5	23	5
4	8	33	5	14	21	5	24	3
4	8	34	5	14	22	5	24	4
4	9	29	5	15	15	5	25	2
4	9	30	5	15	16	5	25	3
4	9	31	5	15	17	5	26	2
4	9	32	5	15	18	5	27	1
4	9	33	5	16	14	5	27	2
4	10	27	5	16	15	5	28	1
4	10	28	5	17	12			
4	10	29	5	17	13			
4	11	26	5	17	14			
4	11	27	5	18	11			
4	12	25	5	18	12			
4	12	26	5	19	9			

Table 4-1 Parameter Correlation Coefficients

All 5000 Realizations Parameter Correlation

	Parameter 1	Parameter 2&3	Parameter 4	Parameter 5	Parameter 6	Parameter 7	Parameter 8
Parameter 1	**1**						
Parameter 2&3	0.01	**1**					
Parameter 4	0.02	0.00	**1**				
Parameter 5	-0.02	0.00	-0.01	**1**			
Parameter 6	0.00	0.00	0.00	-0.02	**1**		
Parameter 7	0.01	0.01	0.00	-0.02	0.03	**1**	
Parameter 8	0.01	0.02	-0.01	-0.02	0.00	0.01	**1**

Successful Realizations Parameter Correlation

	Parameter 1	Parameter 2&3	Parameter 4	Parameter 5	Parameter 6	Parameter 7	Parameter 8
Parameter 1	**1**						
Parameter 2&3	0.11	**1**					
Parameter 4	0.41	-0.09	**1**				
Parameter 5	0.20	-0.12	-0.06	**1**			
Parameter 6	0.19	-0.09	-0.21	-0.04	**1**		
Parameter 7	0.02	-0.01	0.05	-0.04	0.02	**1**	
Parameter 8	-0.02	-0.01	0.01	0.03	-0.04	0.03	**1**

Table 4-2 Parameter Correlation with Castor Creek and Fourmile Branch TCE Flux for *basecaseB* Scenario

	5 Year CC Flux	15 Year CC Flux	50 Year CC Flux
Parameter 1	0.39	0.50	0.53
Parameter 2&3	-0.09	-0.05	-0.41
Parameter 4	0.87	0.82	0.75
Parameter 5	0.11	0.14	0.11
Parameter 6	-0.26	-0.20	0.03
Parameter 7	0.19	-0.19	-0.25
Parameter 8	-0.22	-0.18	-0.05

	5 Year FMB Flux	15 Year FMB Flux	50 Year FMB Flux
Parameter 1	-0.01	-0.22	-0.32
Parameter 2&3	0.47	0.70	0.57
Parameter 4	-0.26	-0.46	-0.72
Parameter 5	-0.13	-0.13	-0.13
Parameter 6	-0.07	-0.20	0.03
Parameter 7	-0.06	0.12	0.20
Parameter 8	-0.48	-0.18	-0.08

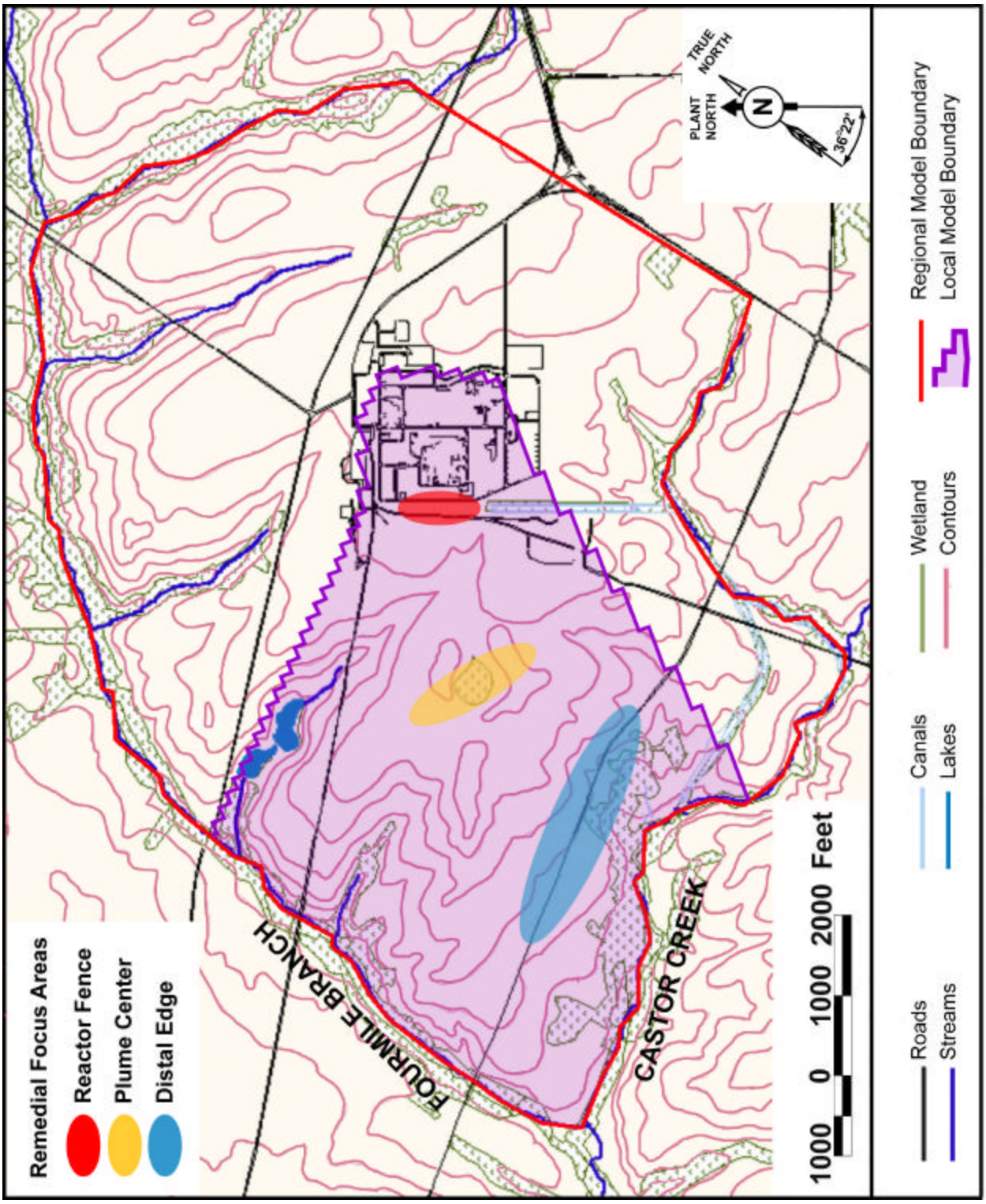


Figure 1-1. Local Flow and Transport Model Domain

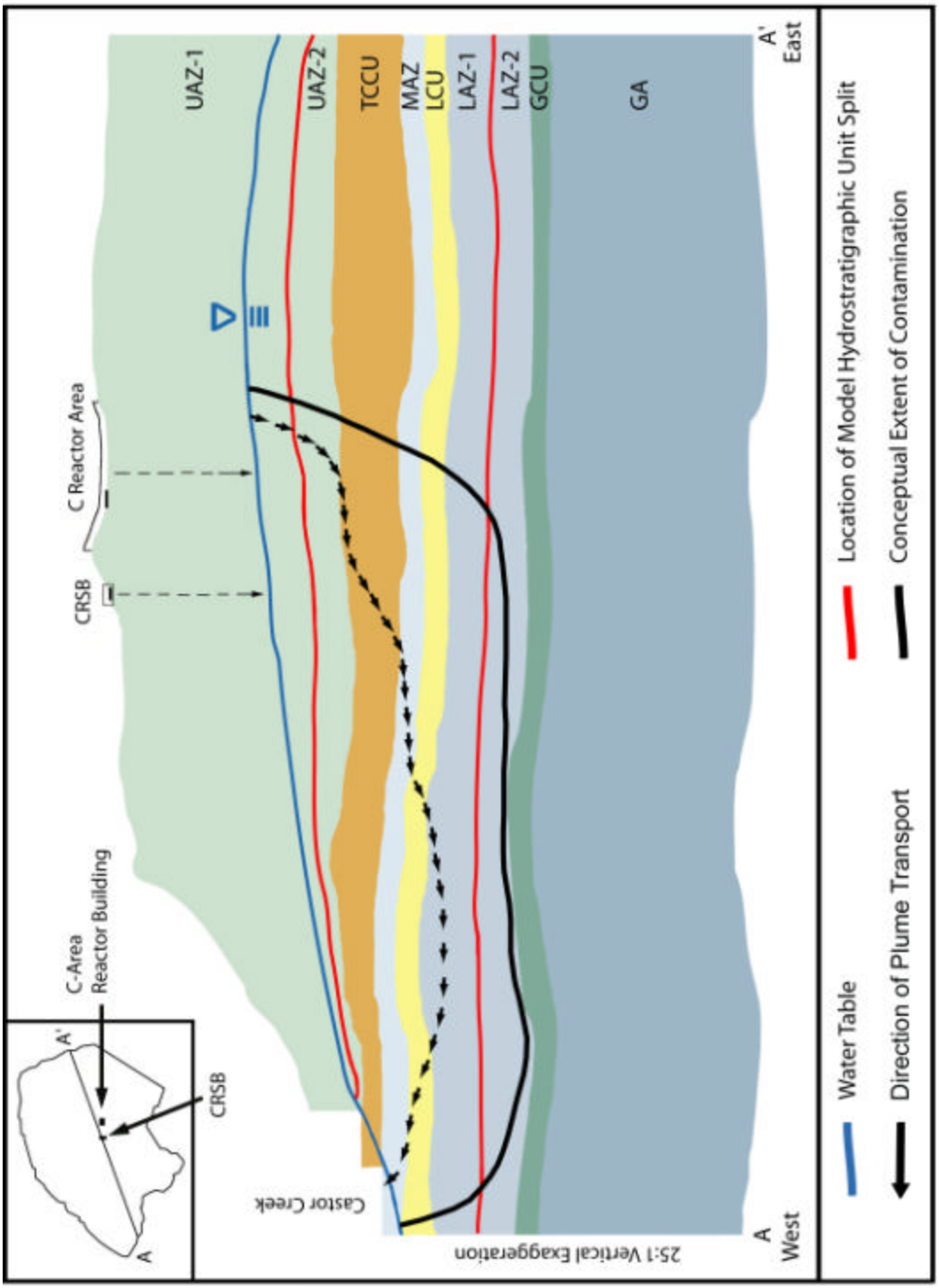


Figure 1-2. Hydrogeologic Conceptual Model: Upper Aquifer Zone (UAZ), Tan Clay Confining Unit (TCCU), Middle Aquifer Zone (MAZ), Lower Confining Unit (LCU), Lower Aquifer Zone (LAZ), Gordon Confining Unit (GCU), and Gordon Aquifer (GA)

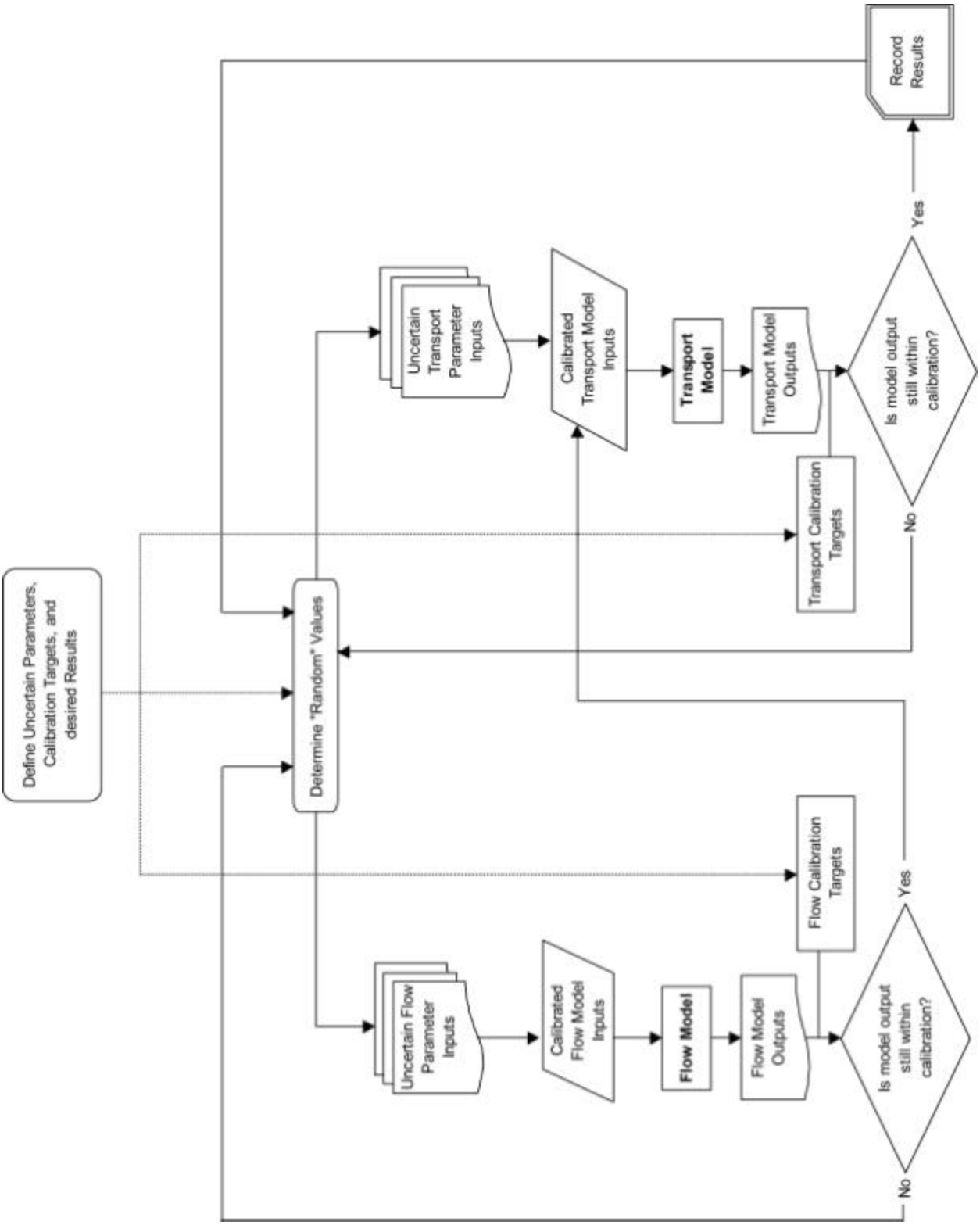
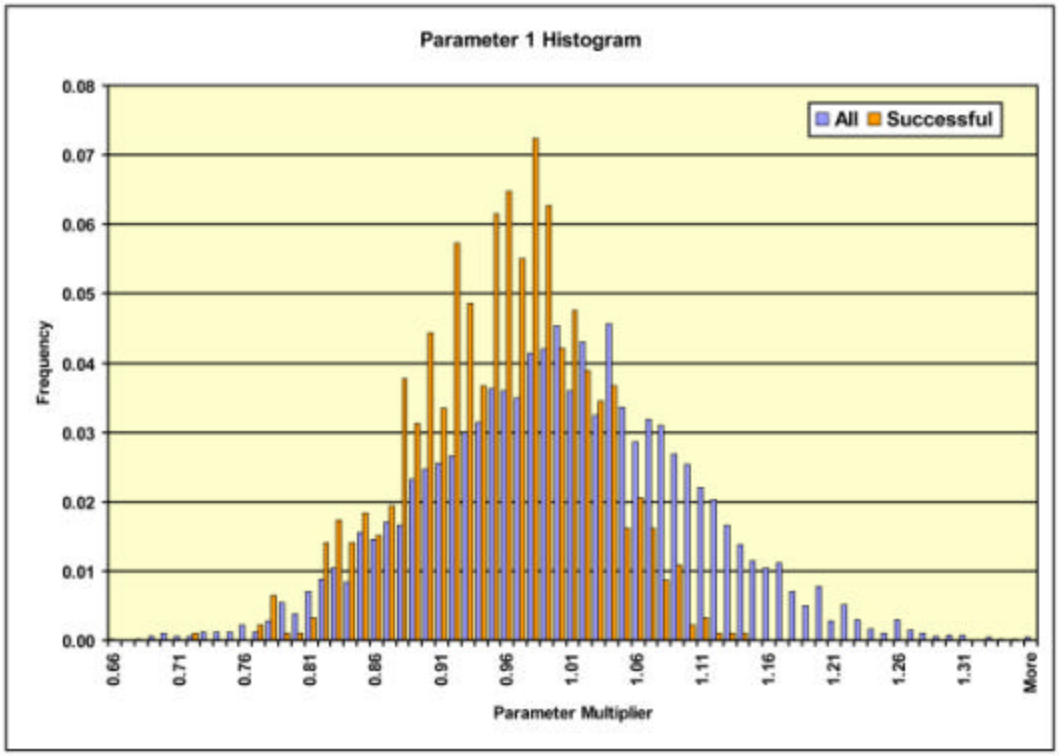


Figure 2-1. Flow Diagram for Monte Carlo Method



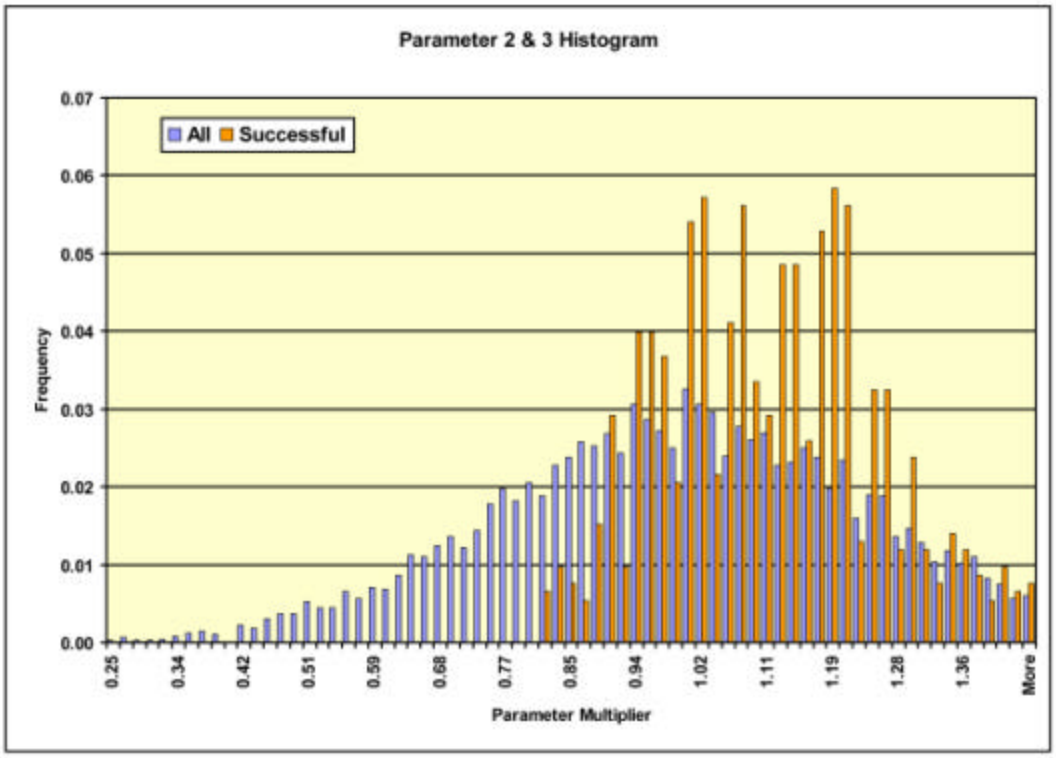


Figure 3-1. Histograms of Parameter Multipliers for Parameters 1, 2, and 3

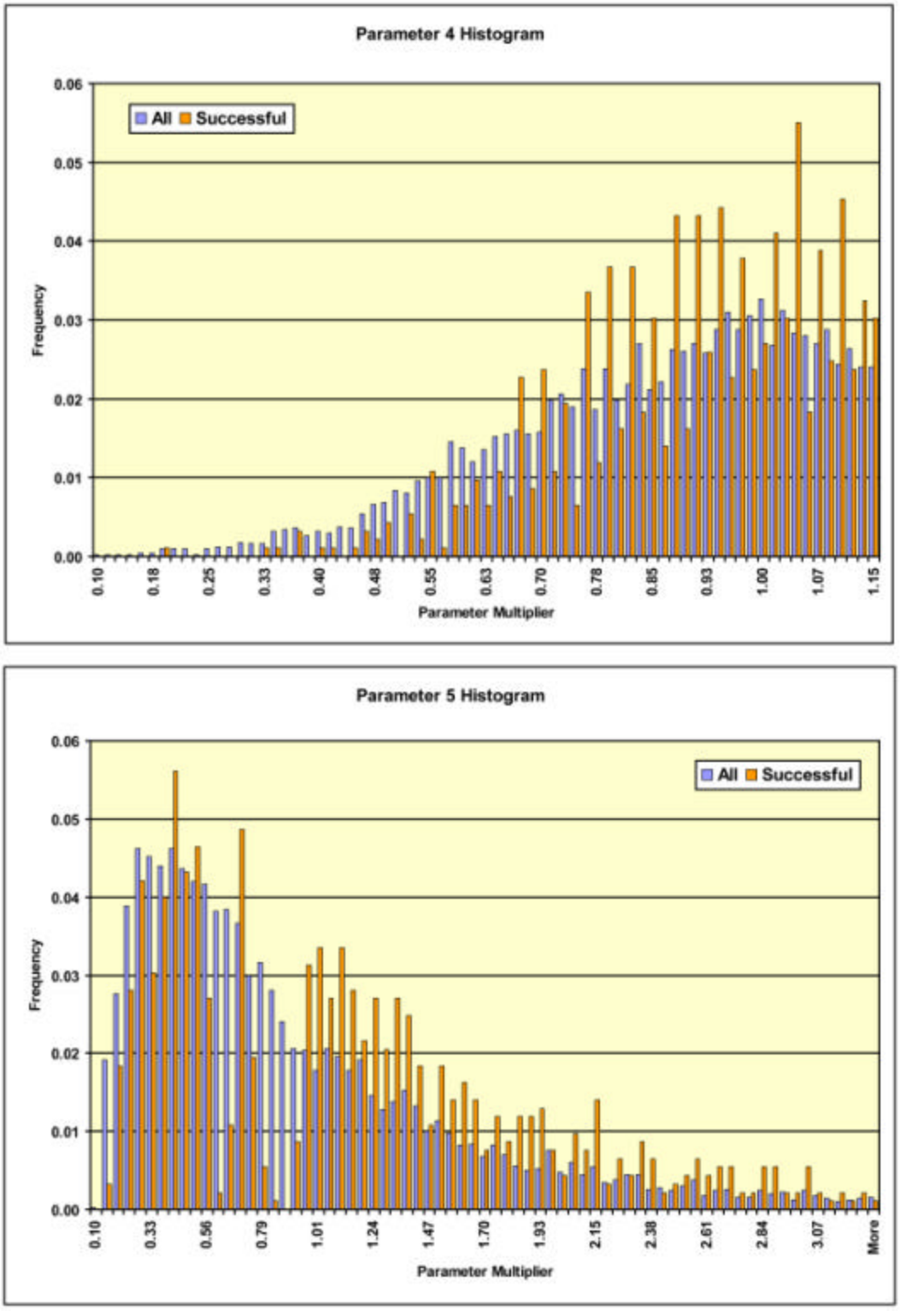
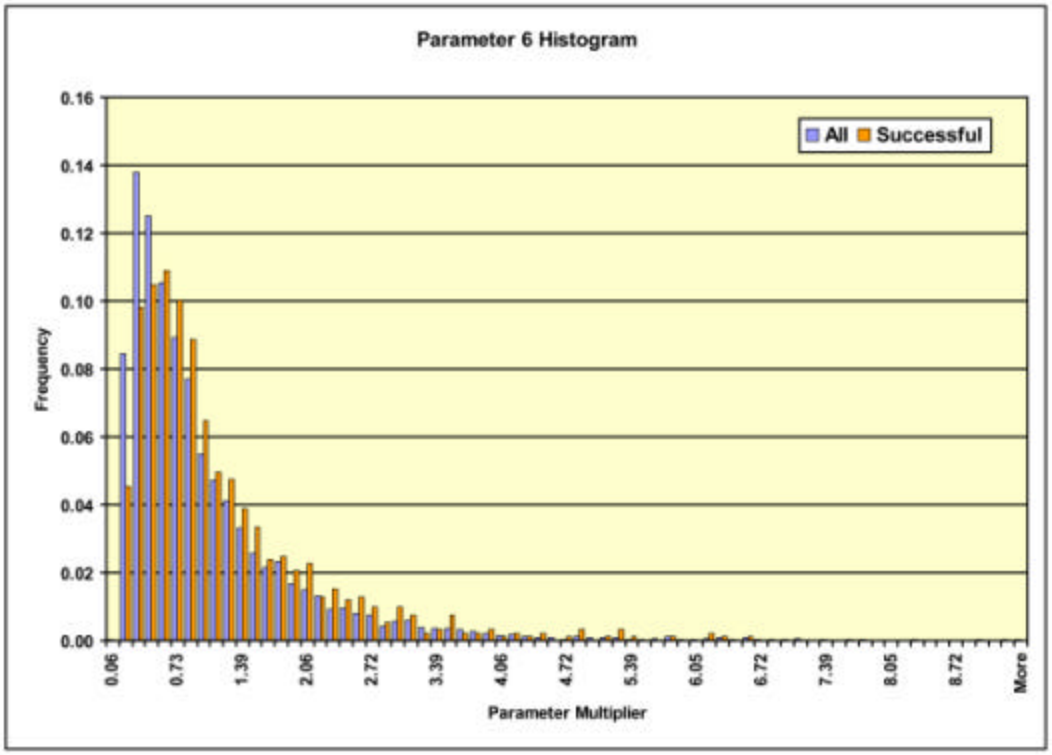


Figure 3-2. Histograms of Parameter Multipliers for Parameters 4 and 5



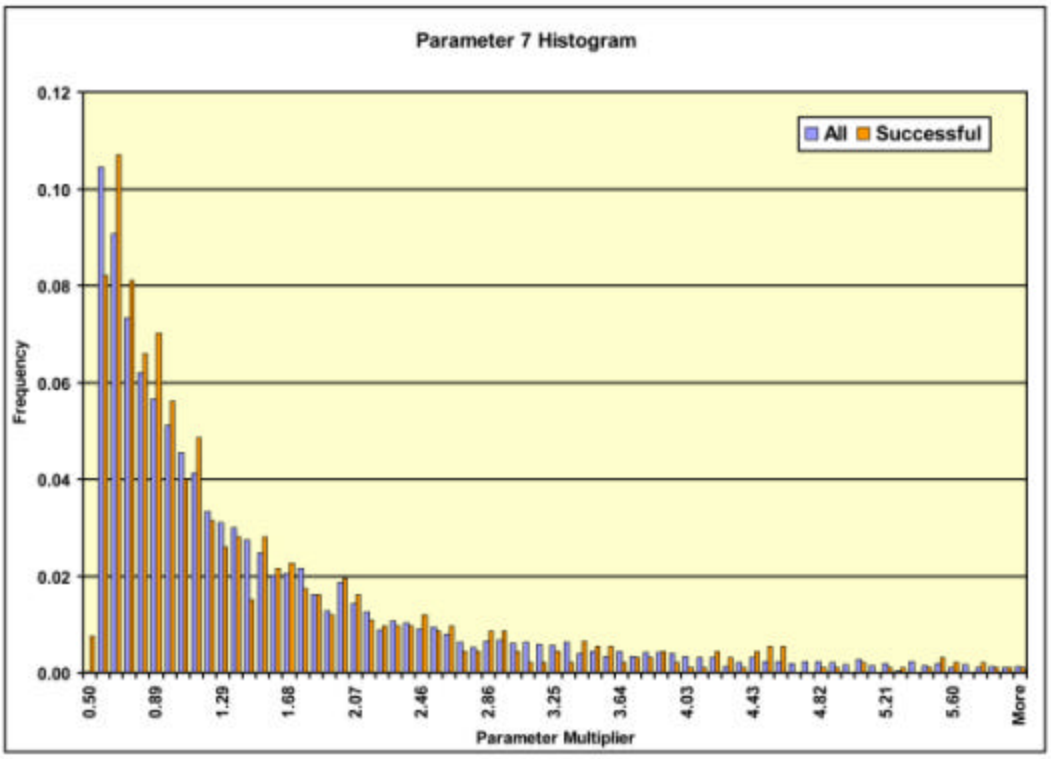


Figure 3-3. Histograms of Parameter Multipliers for Parameters 6 and 7

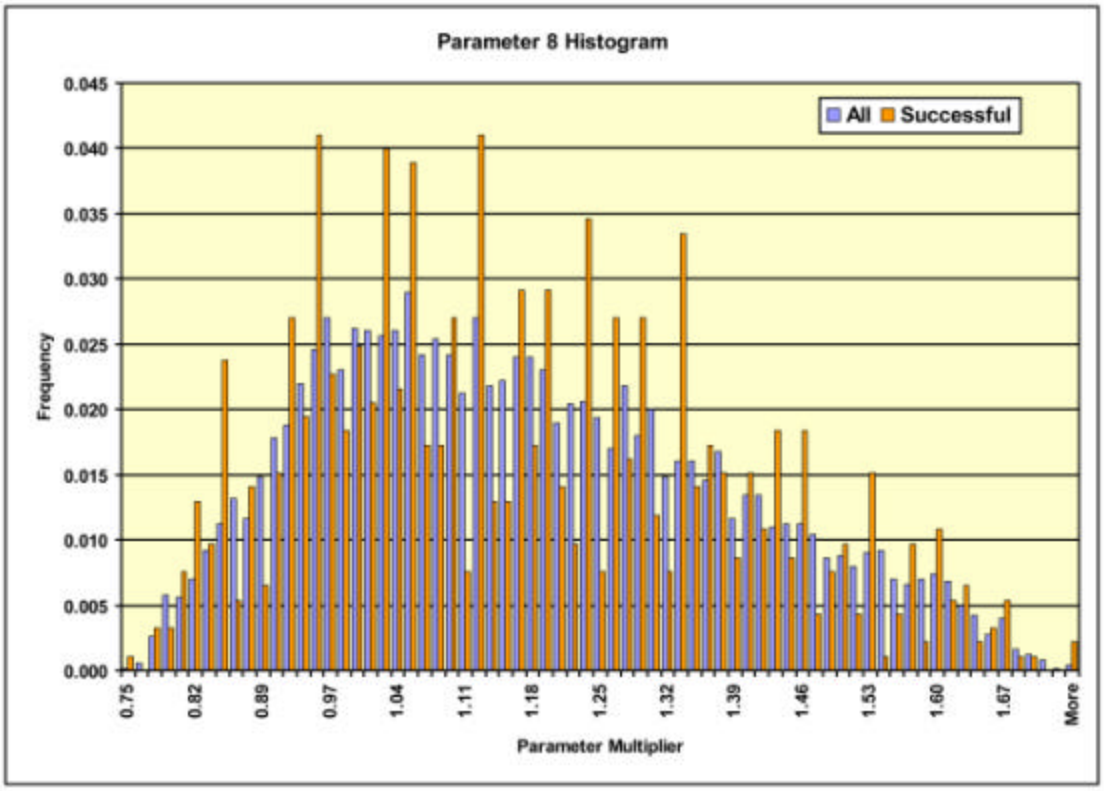


Figure 3-4. Histogram of Parameter Multipliers for Parameter 8

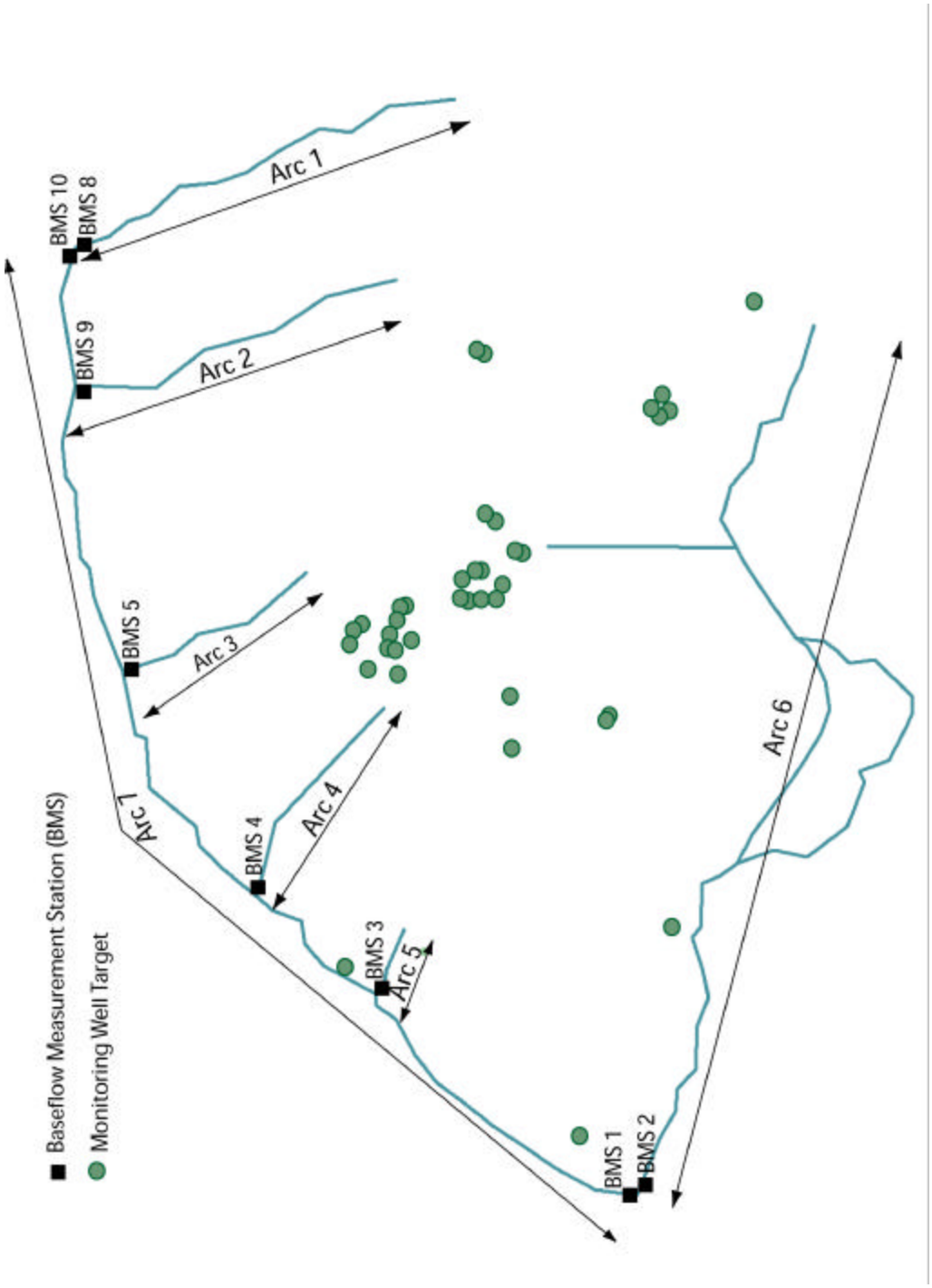


Figure 3-5. Stream/Drain Arcs and Monitoring Well Targets

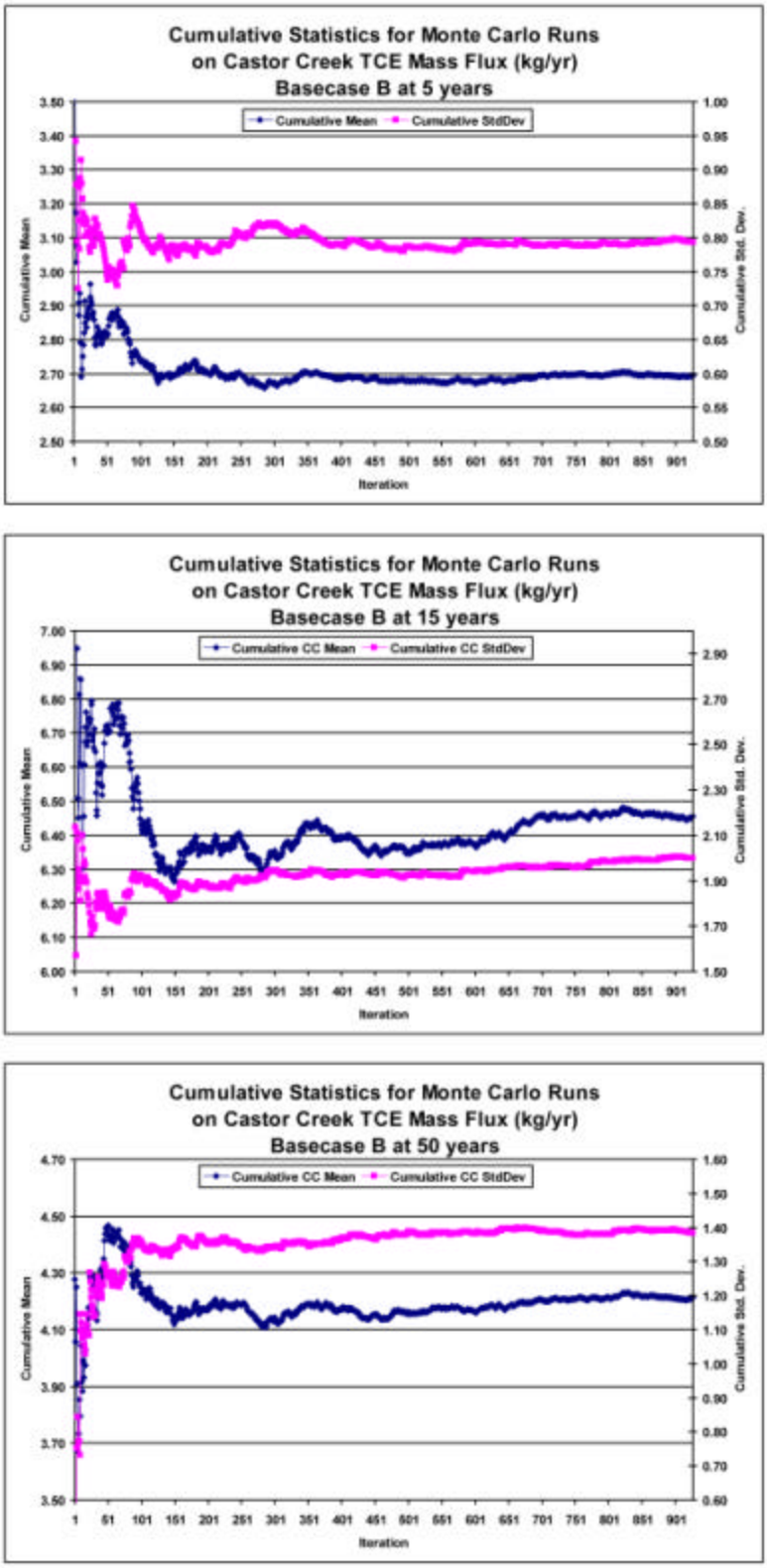


Figure 4-1. Cumulative Statistics for *basecaseB* Monte Carlo Runs

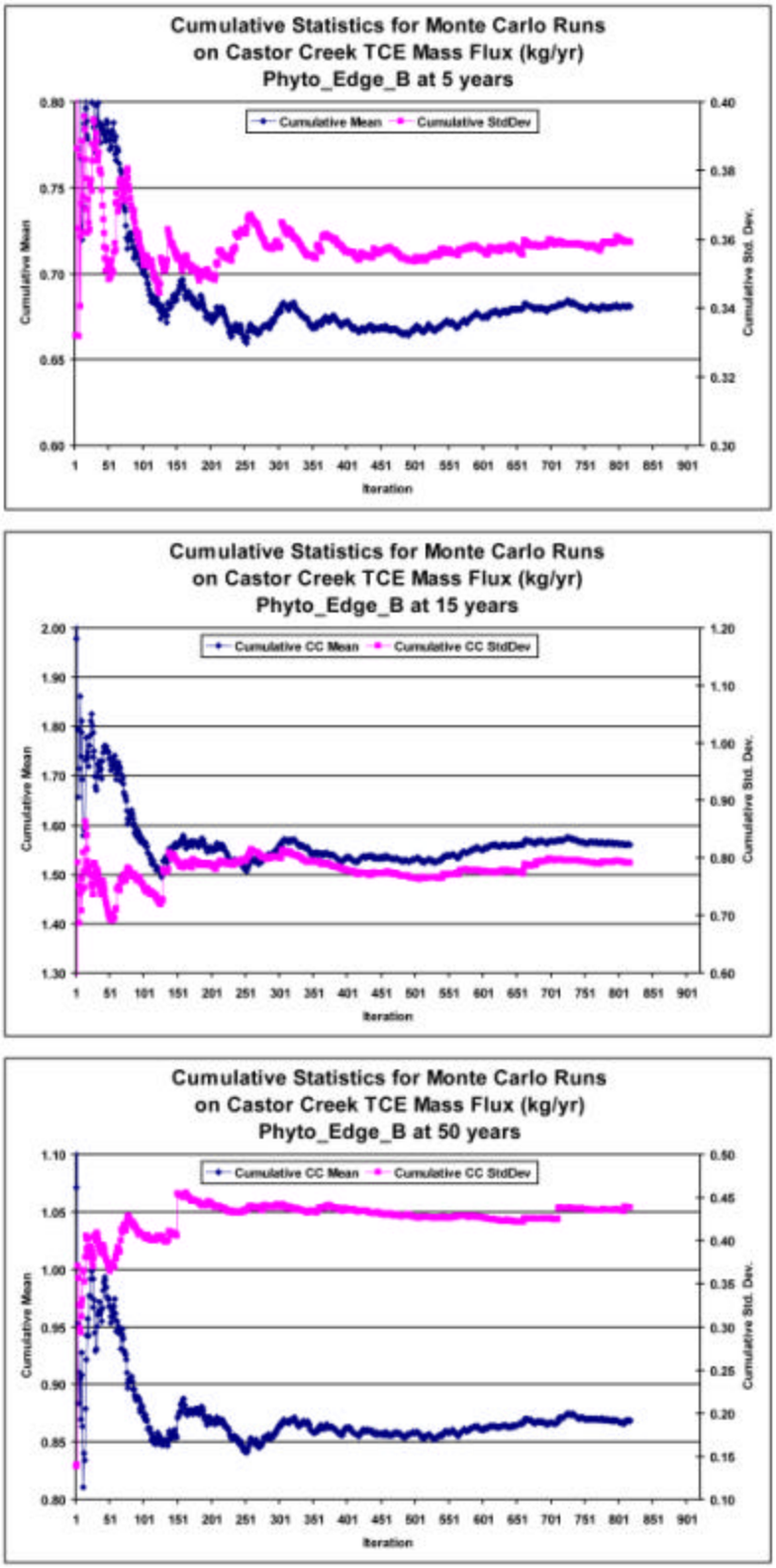


Figure 4-2. Cumulative Statistics for *phyto_edgeB* Monte Carlo Runs

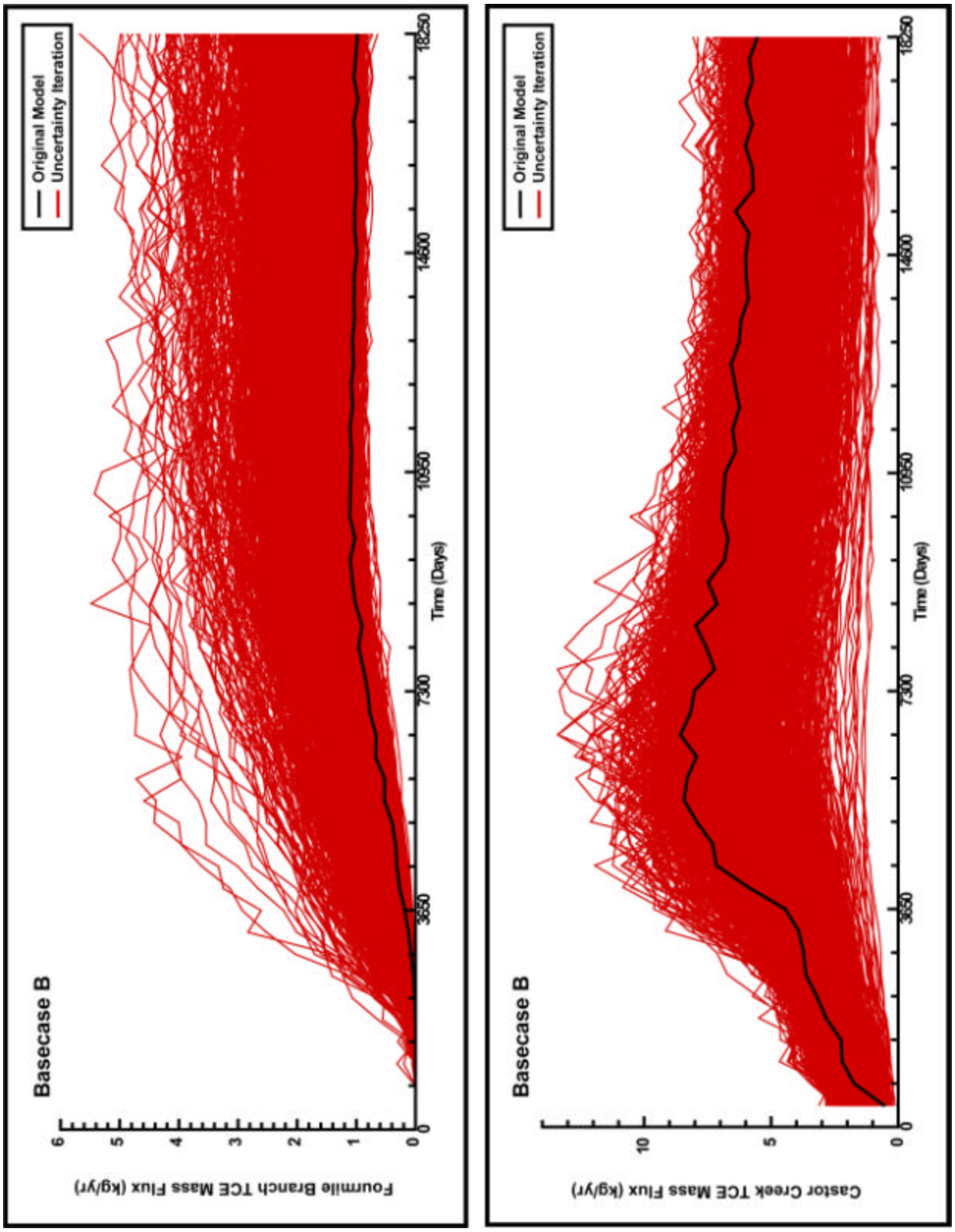


Figure 4-3. ***basecaseB*** **TCE Mass Flux Results for Each Iteration**

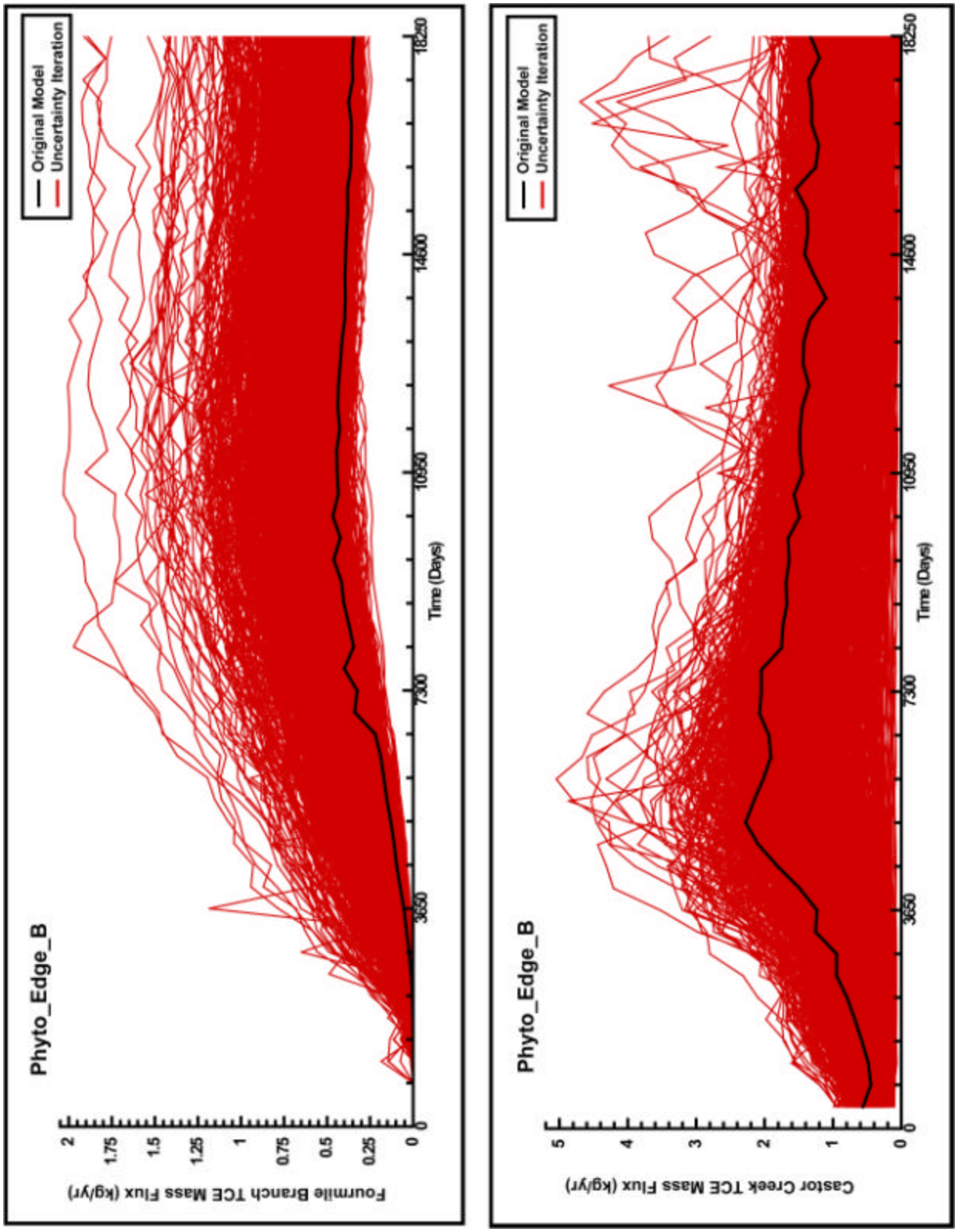


Figure 4-4. *phyto_edgeB* TCE Mass Flux Results for Each Iteration

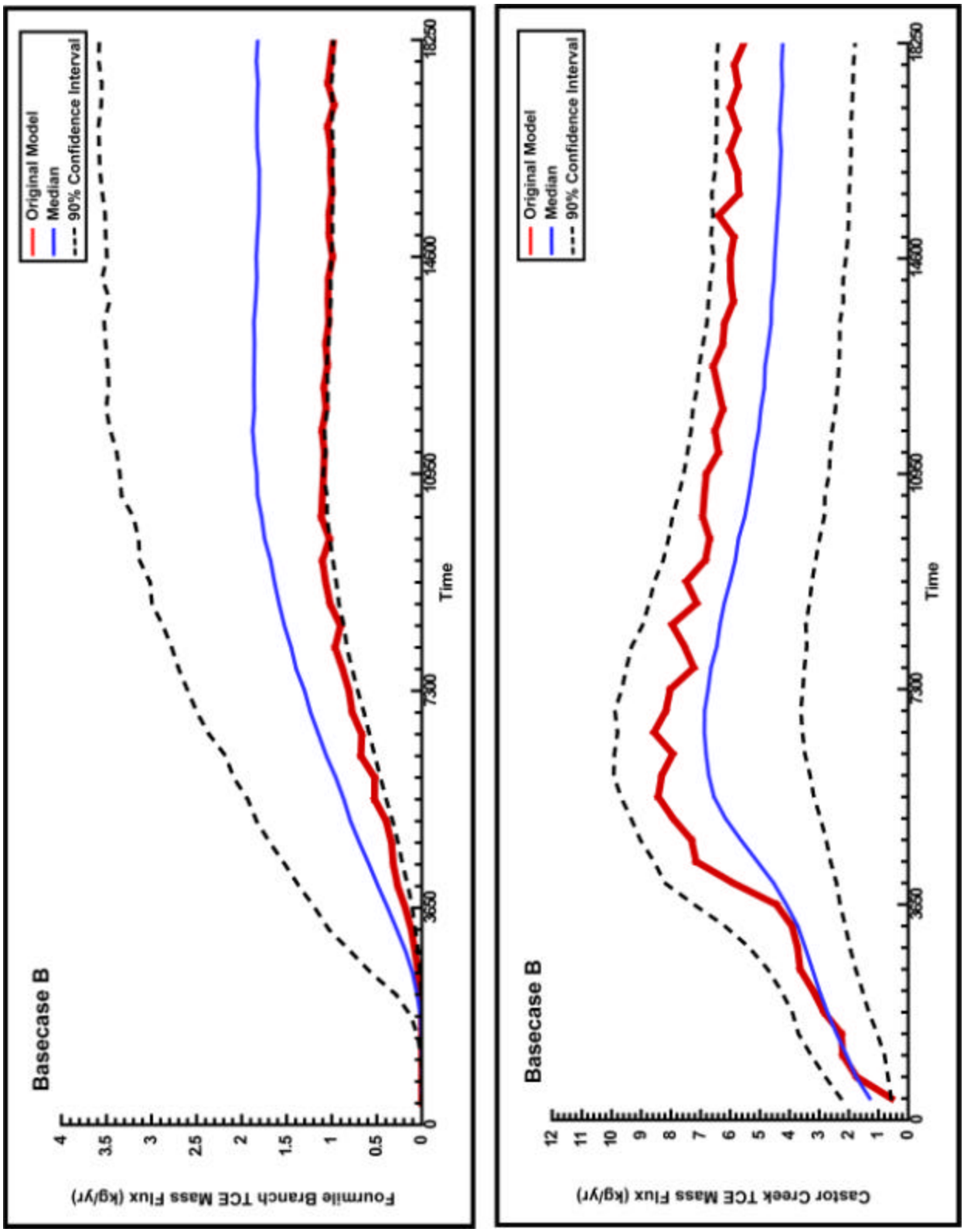


Figure 4-5. 90% Confidence Interval for *basecaseB* TCE Mass Flux Iterations

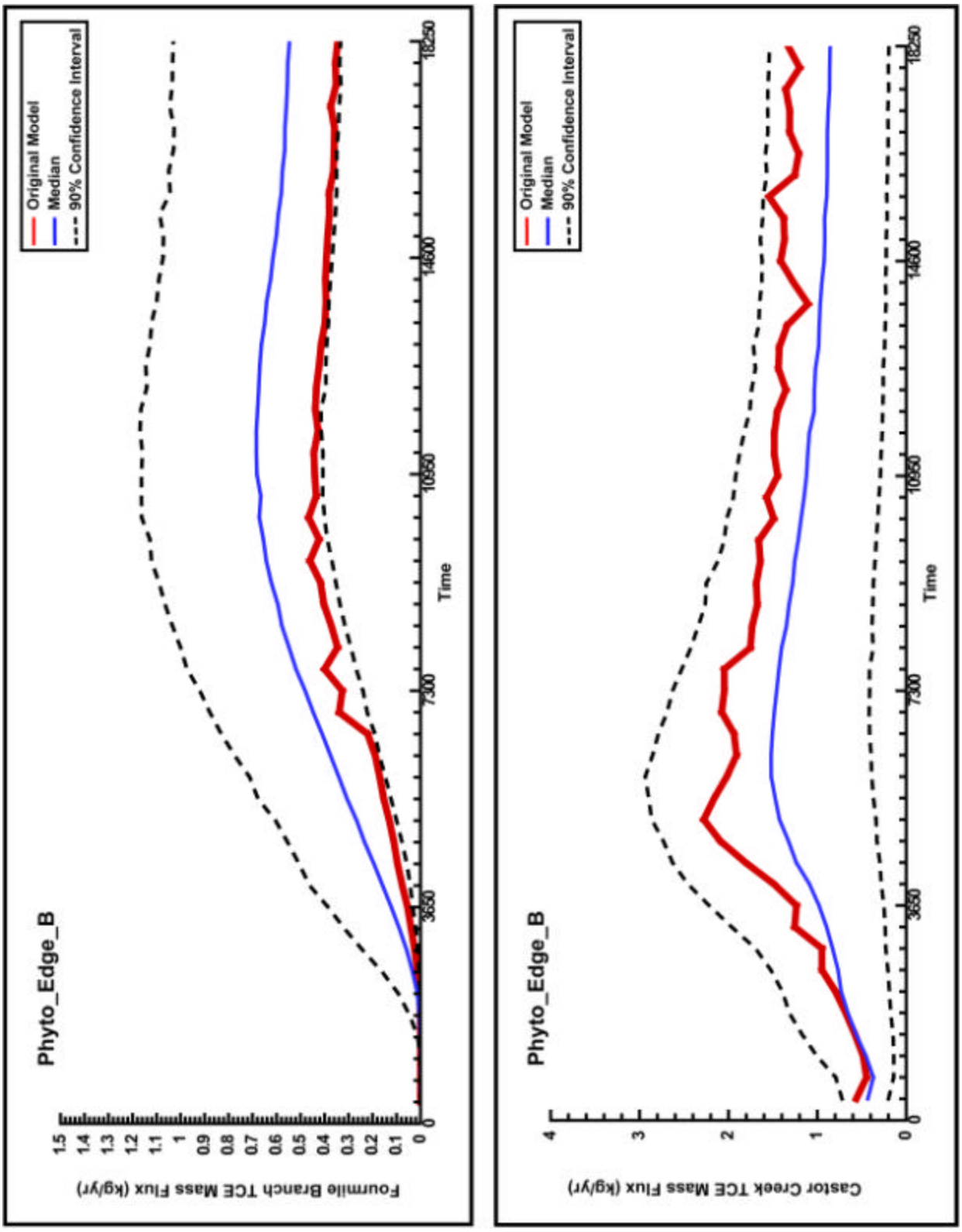


Figure 4-6. 90% Confidence Interval for *phyto_edgeB* TCE Mass Flux Iterations

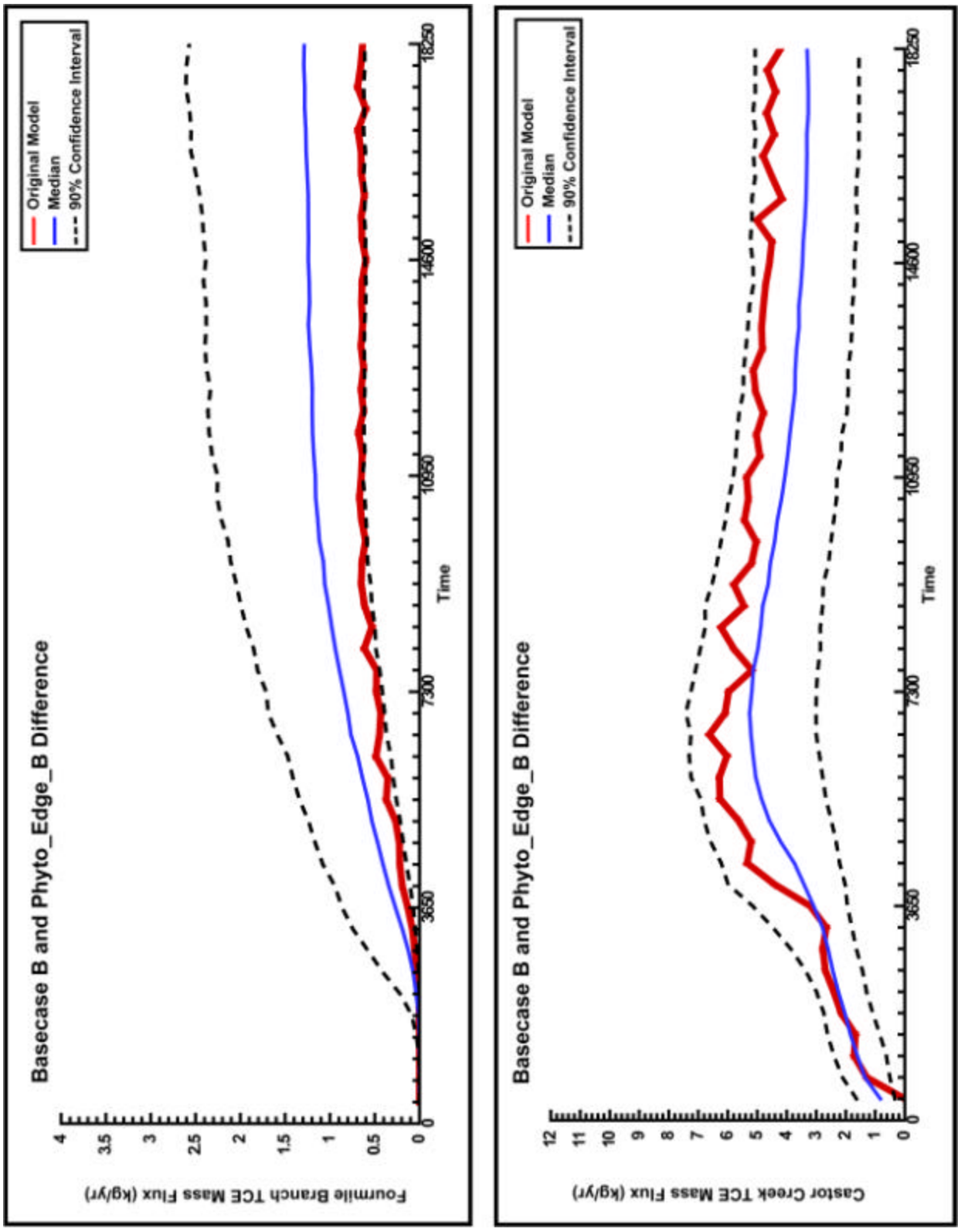
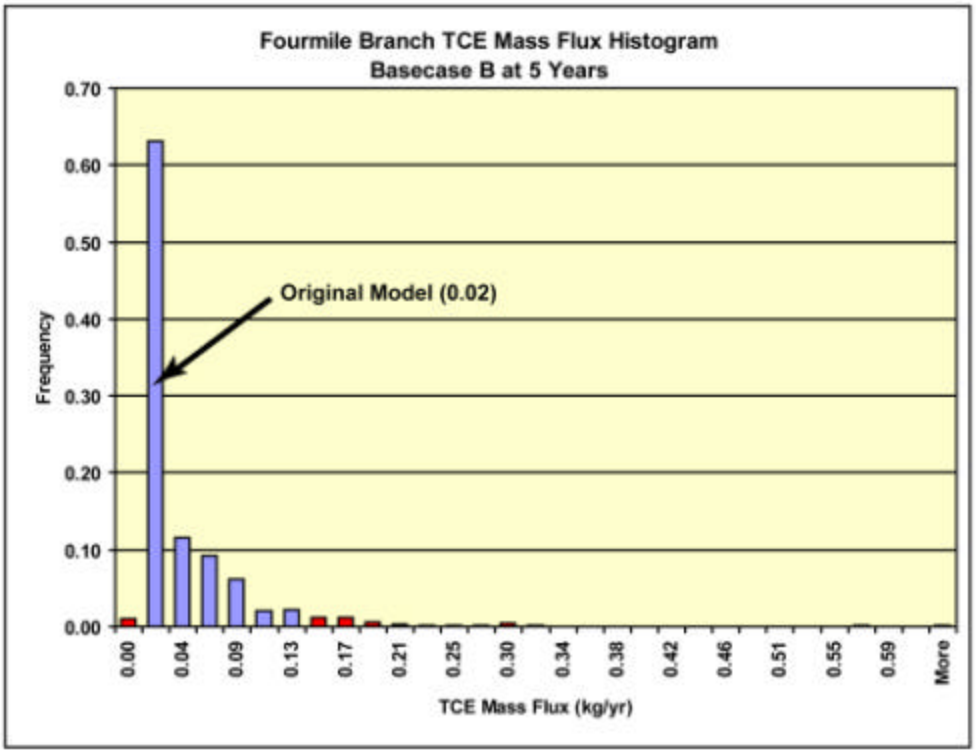


Figure 4-7. 90% Confidence Interval for the Difference of *basecaseB* and *phyto_edgeB* TCE Mass Flux Iterations



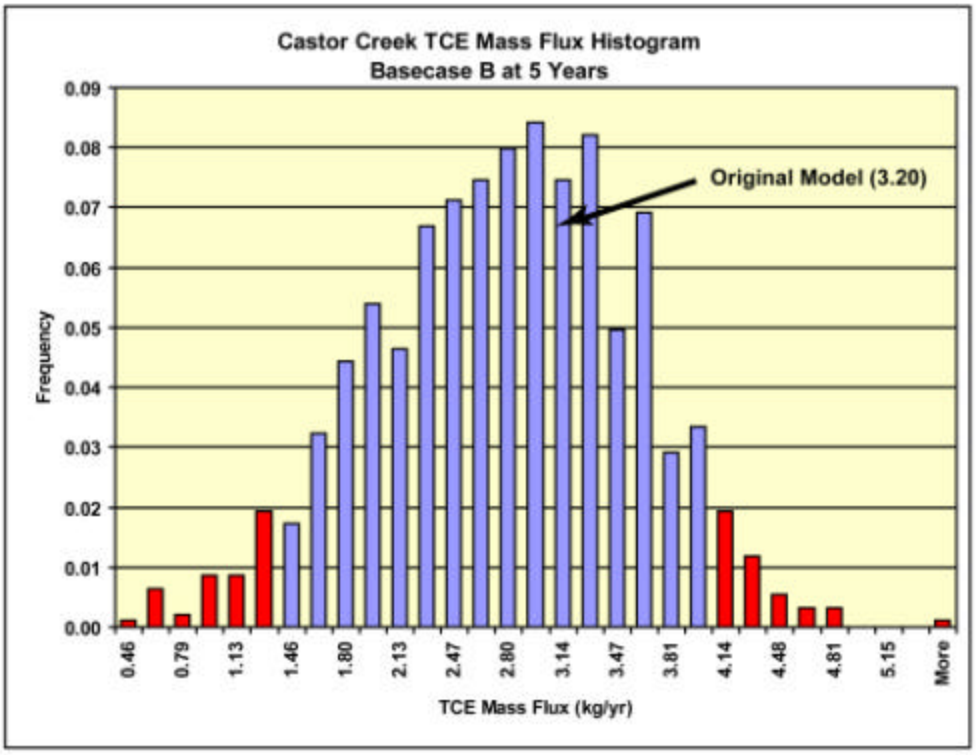
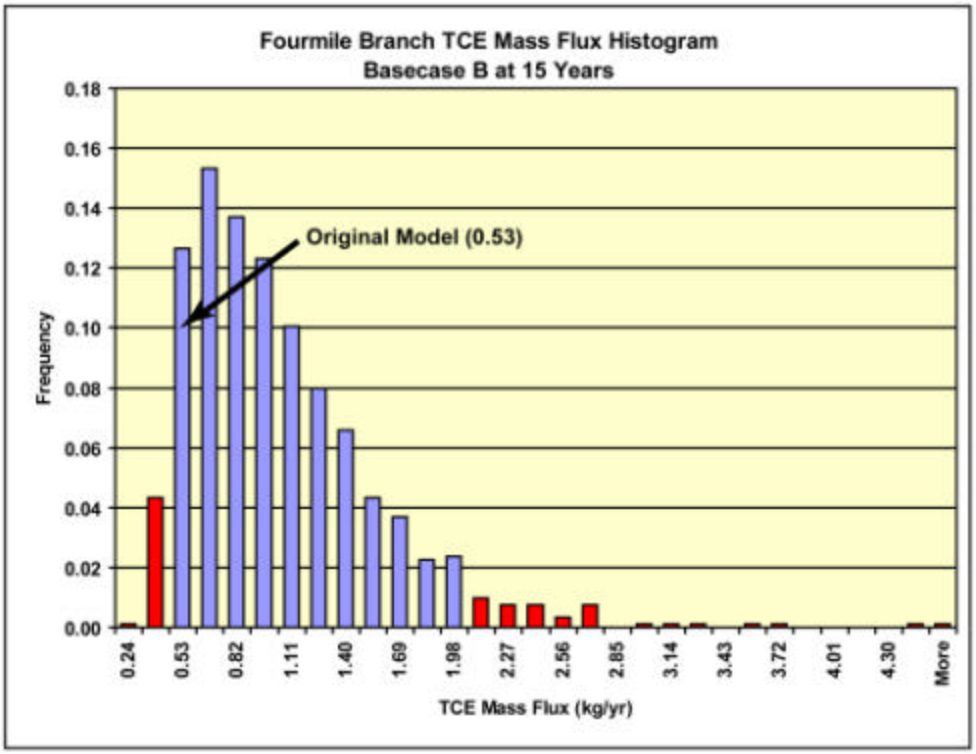


Figure 4-8. Frequency Histogram of TCE Mass Flux for *basecaseB* at 5 Years



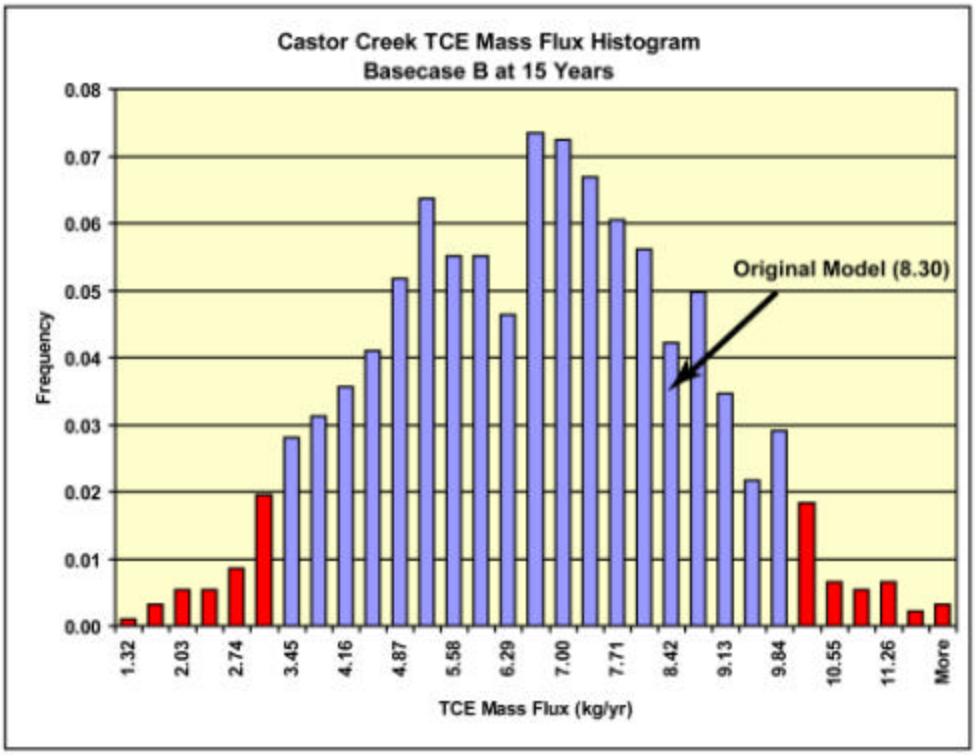
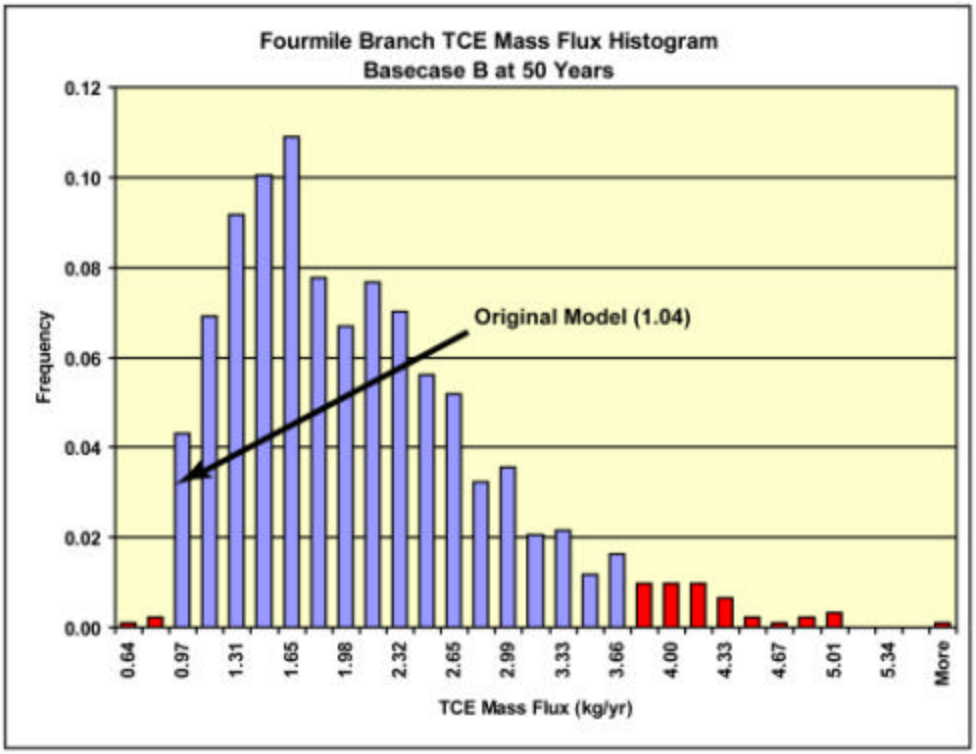


Figure 4-9. Frequency Histogram of TCE Mass Flux for *basecaseB* at 15 Years



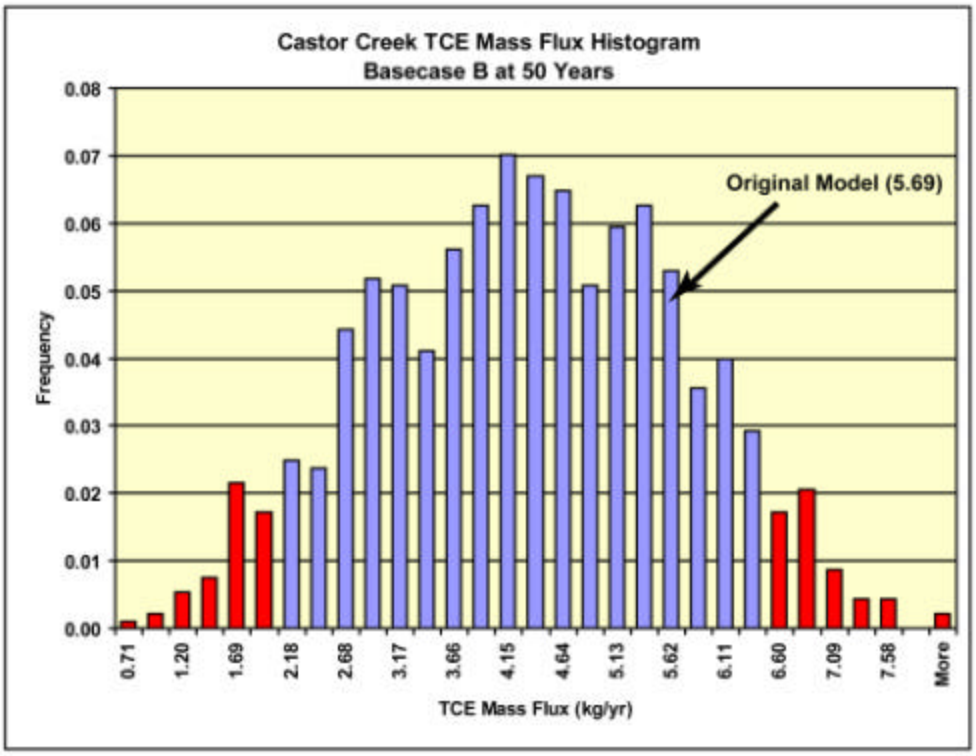
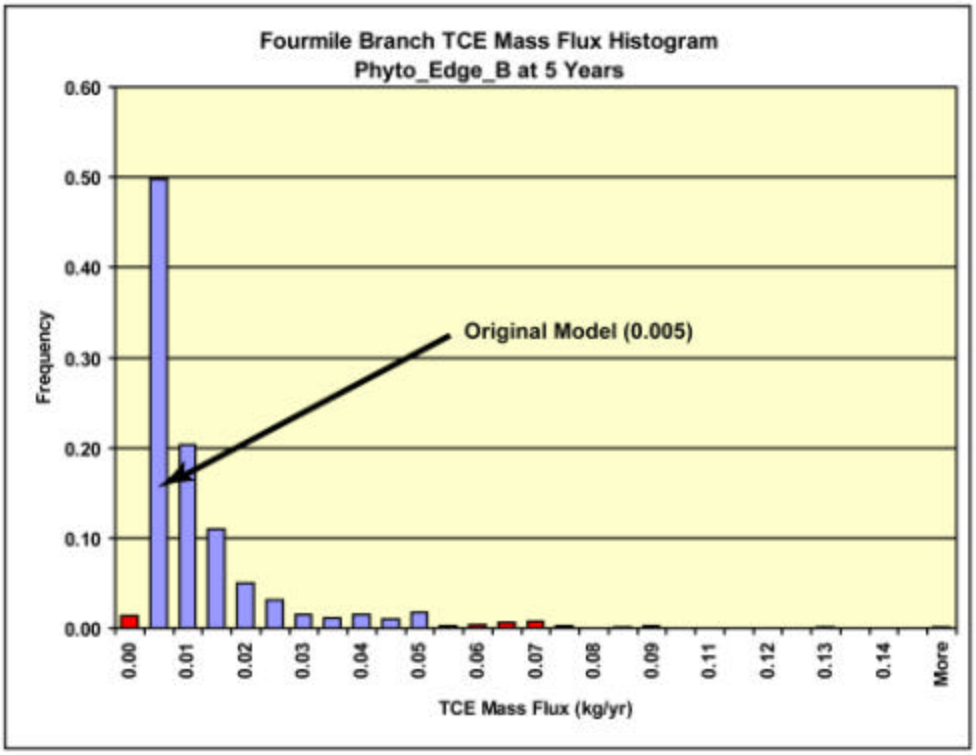


Figure 4-10. Frequency Histogram of TCE Mass Flux for *basecaseB* at 50 Years



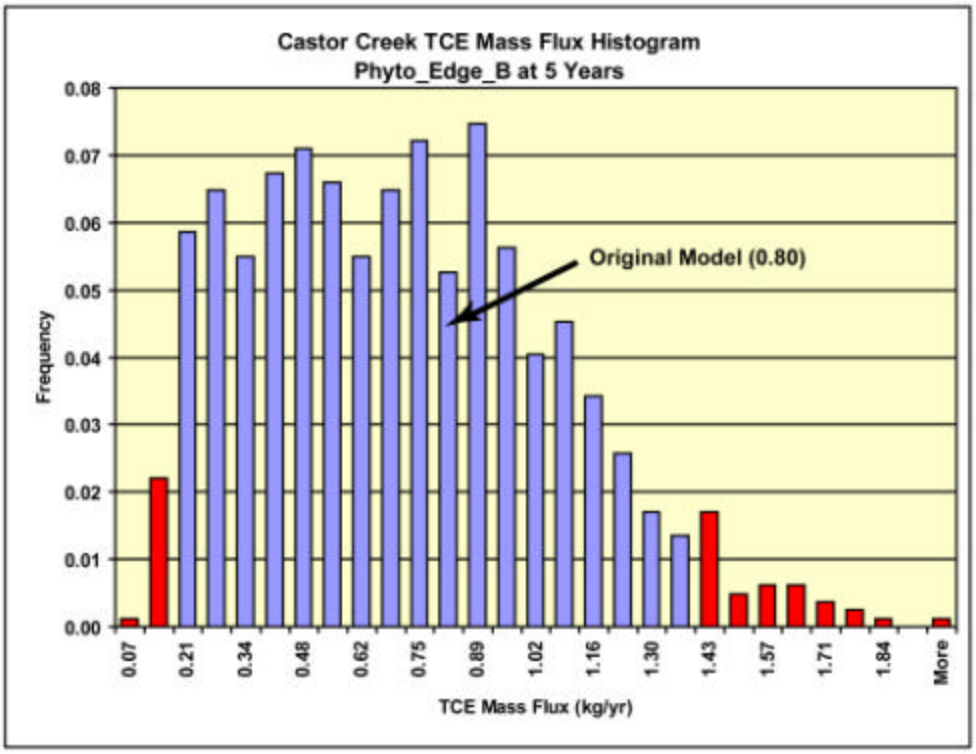
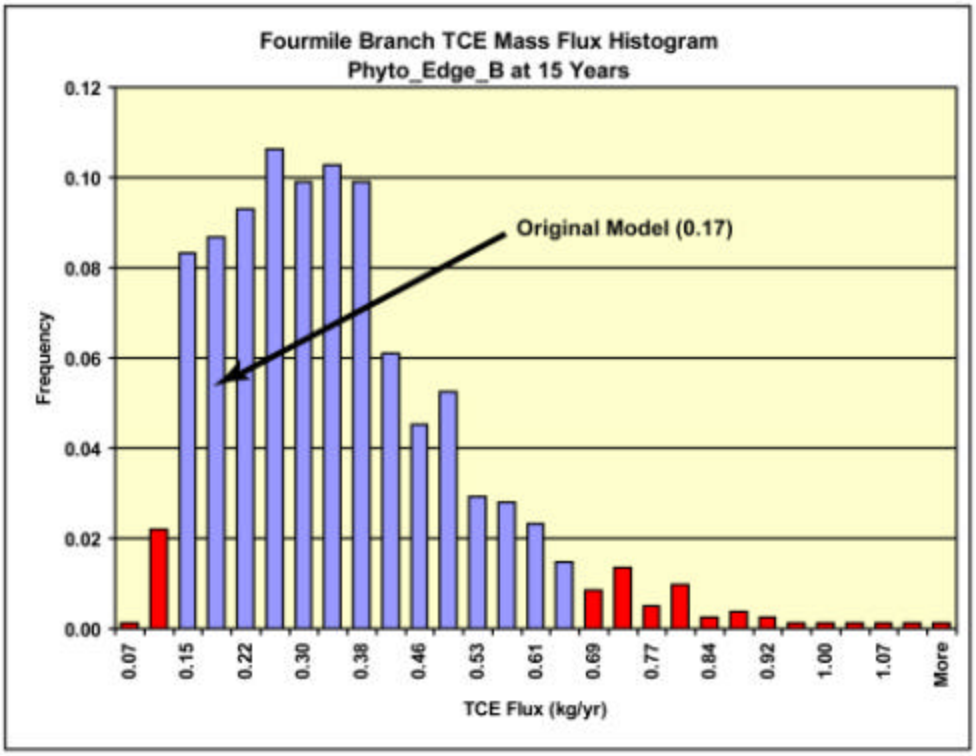


Figure 4-11. Frequency Histogram of TCE Mass Flux for *phyto_edgeB* at 5 Years



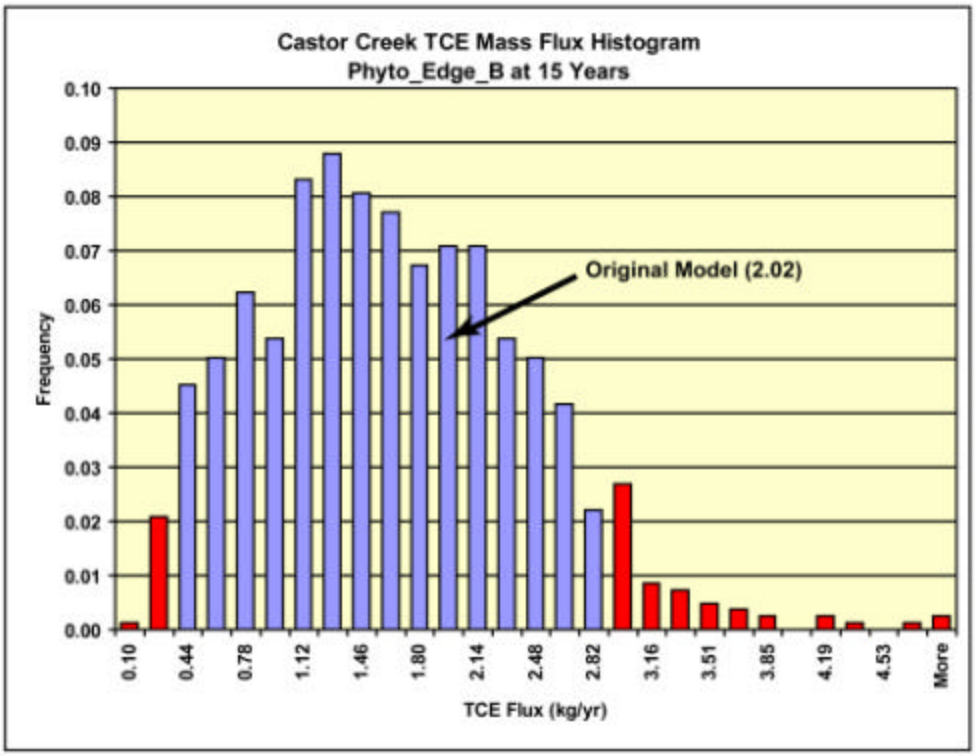
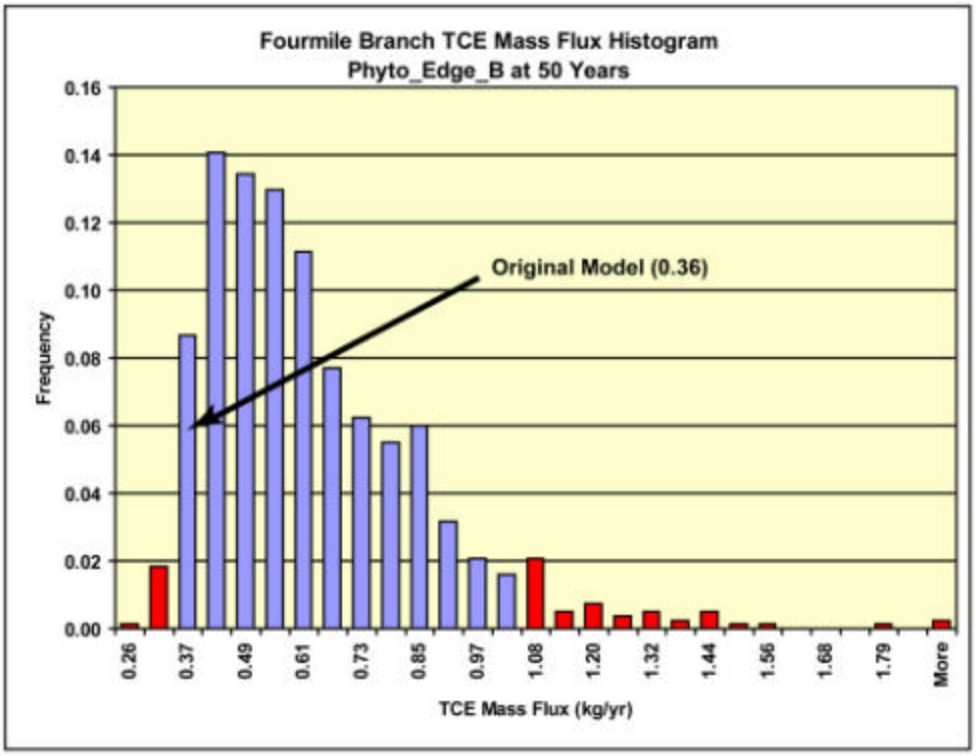


Figure 4-12. Frequency Histogram of TCE Mass Flux for *phyto_edgeB* at 15 Years



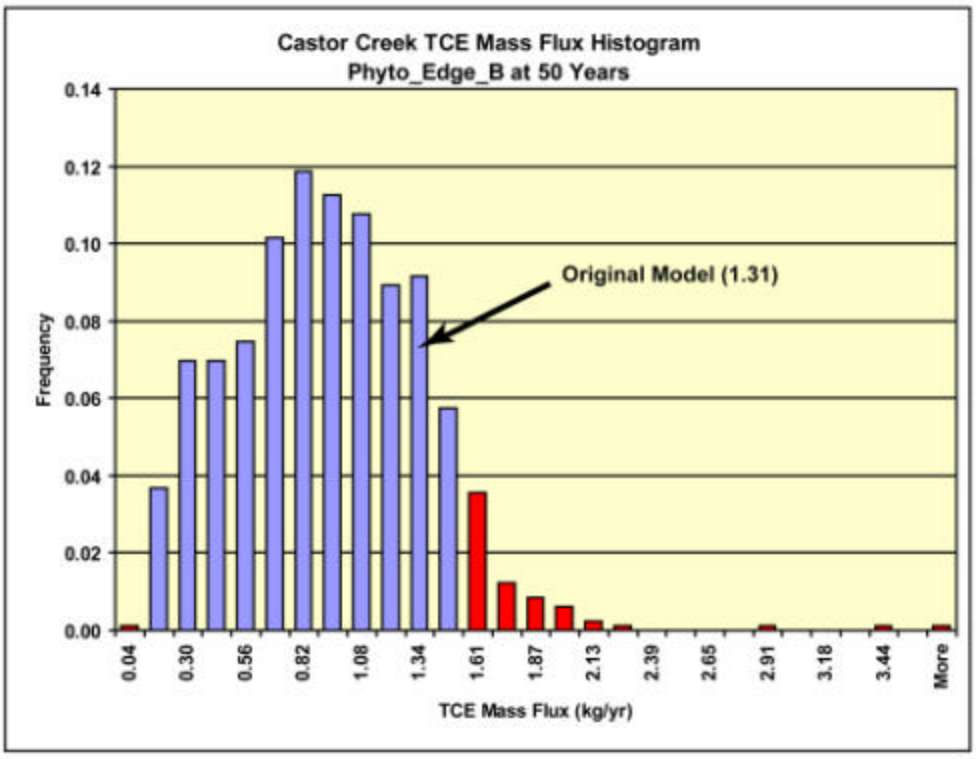


Figure 4-13. Frequency Histogram of TCE Mass Flux for *phyto_edgeB* at 50 Years

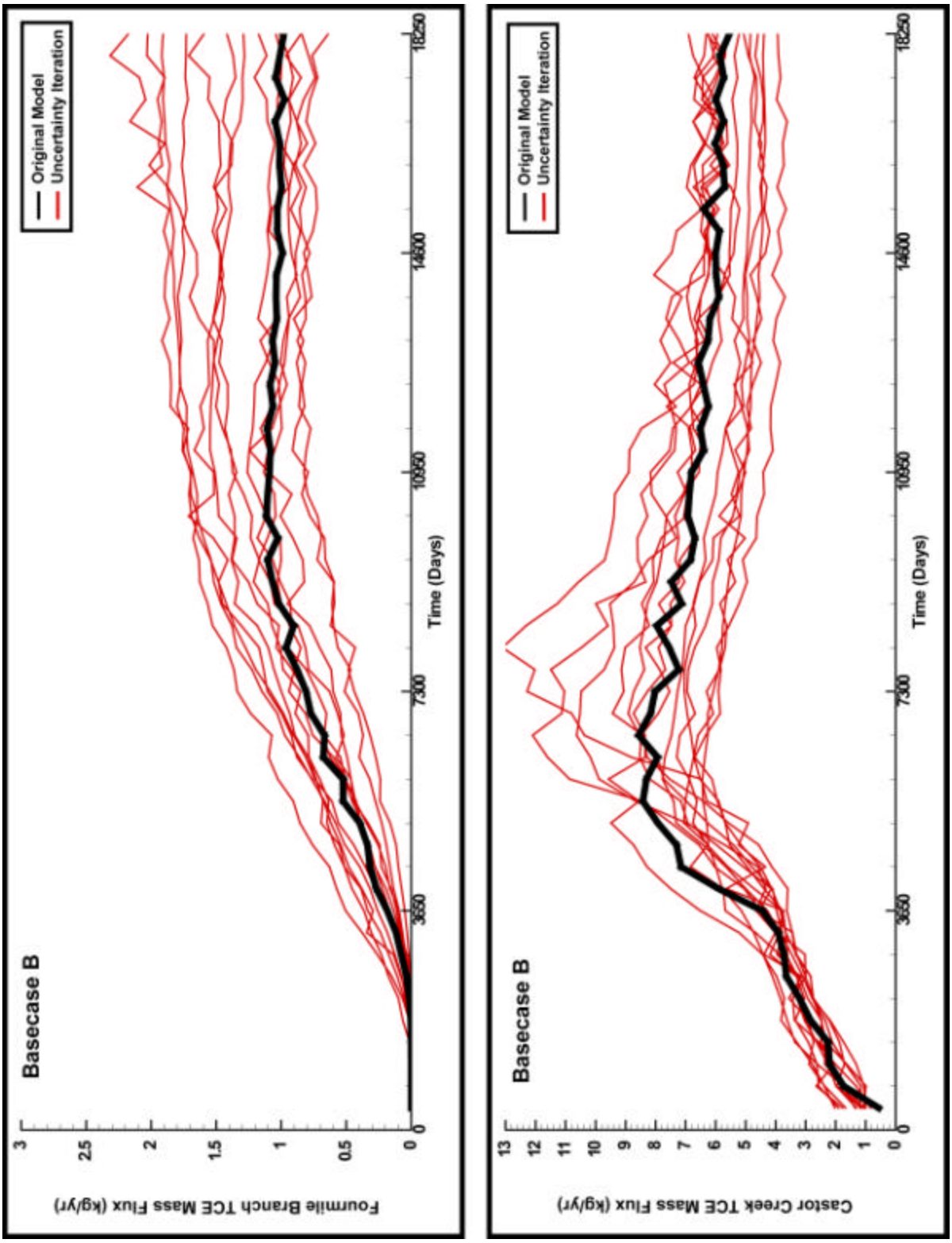
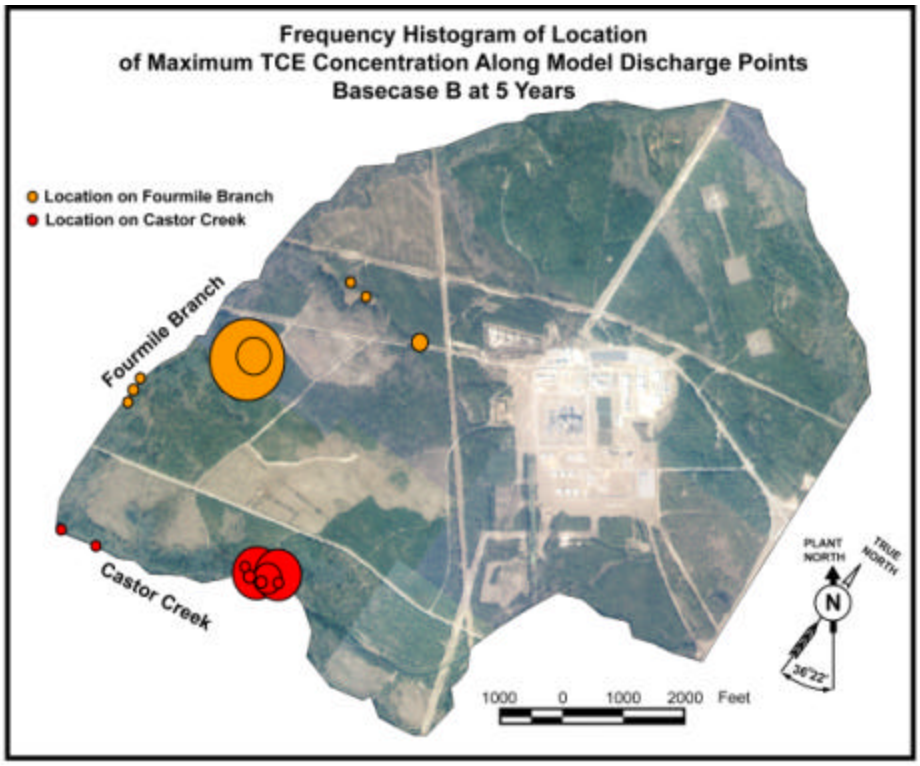


Figure 4-14. *basecaseB* TCE Mass Flux Results for Iterations with No Deviation from Head and Flux Target Values in the Calibrated Model



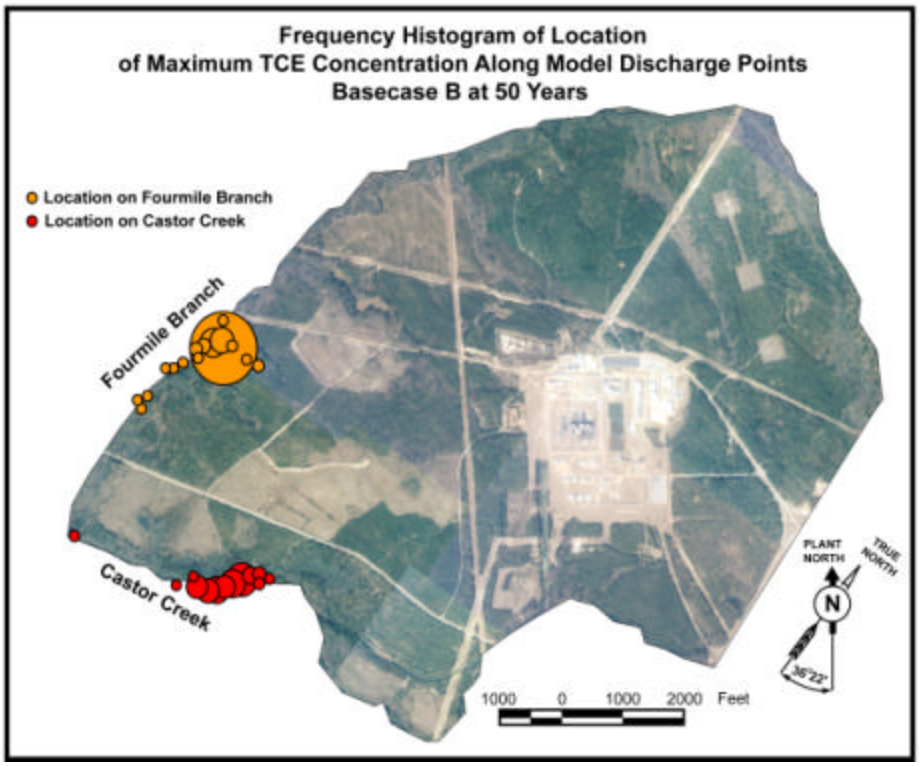
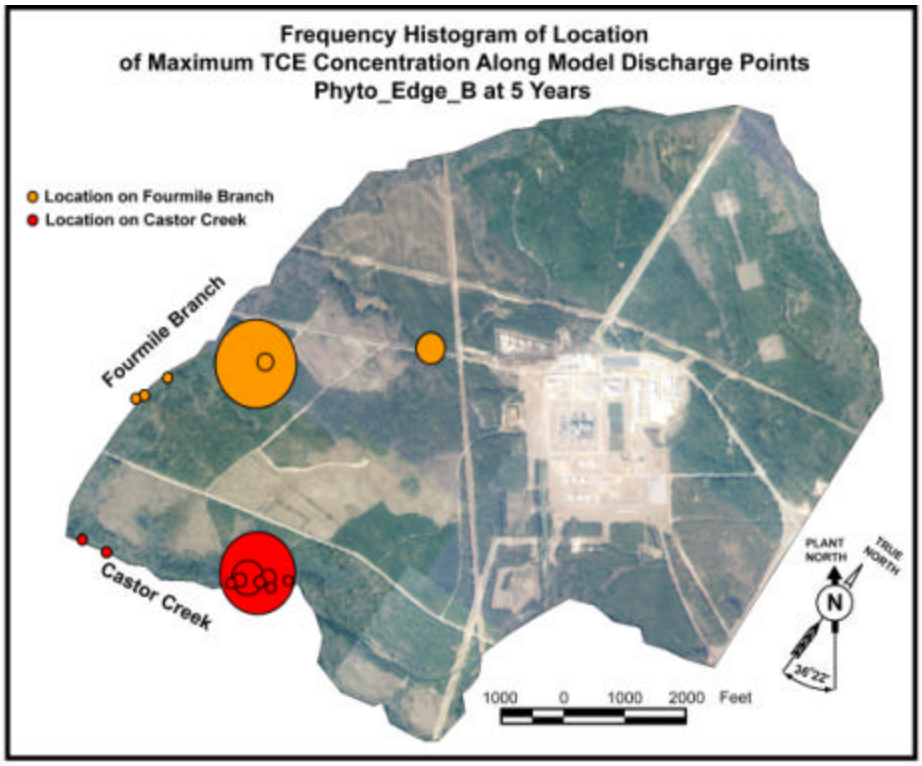


Figure 4-15. *basecaseB* Frequency Histogram of Location of Maximum TCE Concentration Along Model Discharge Points



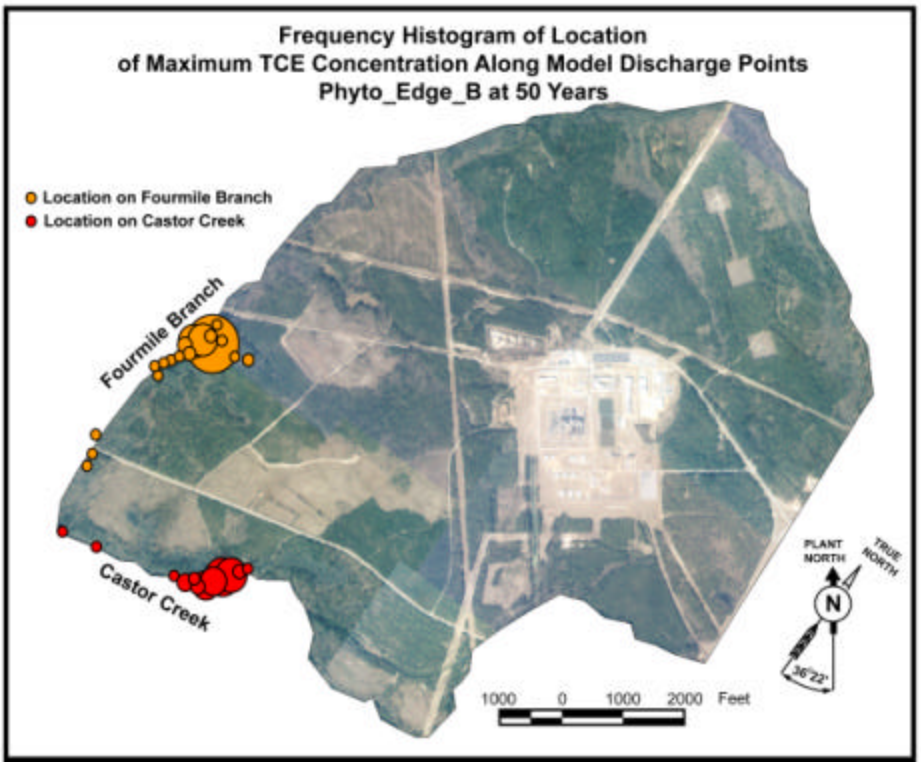


Figure 4-16. *phyto_edgeB* Frequency Histogram of Location of Maximum TCE Concentration Along Model Discharge Points

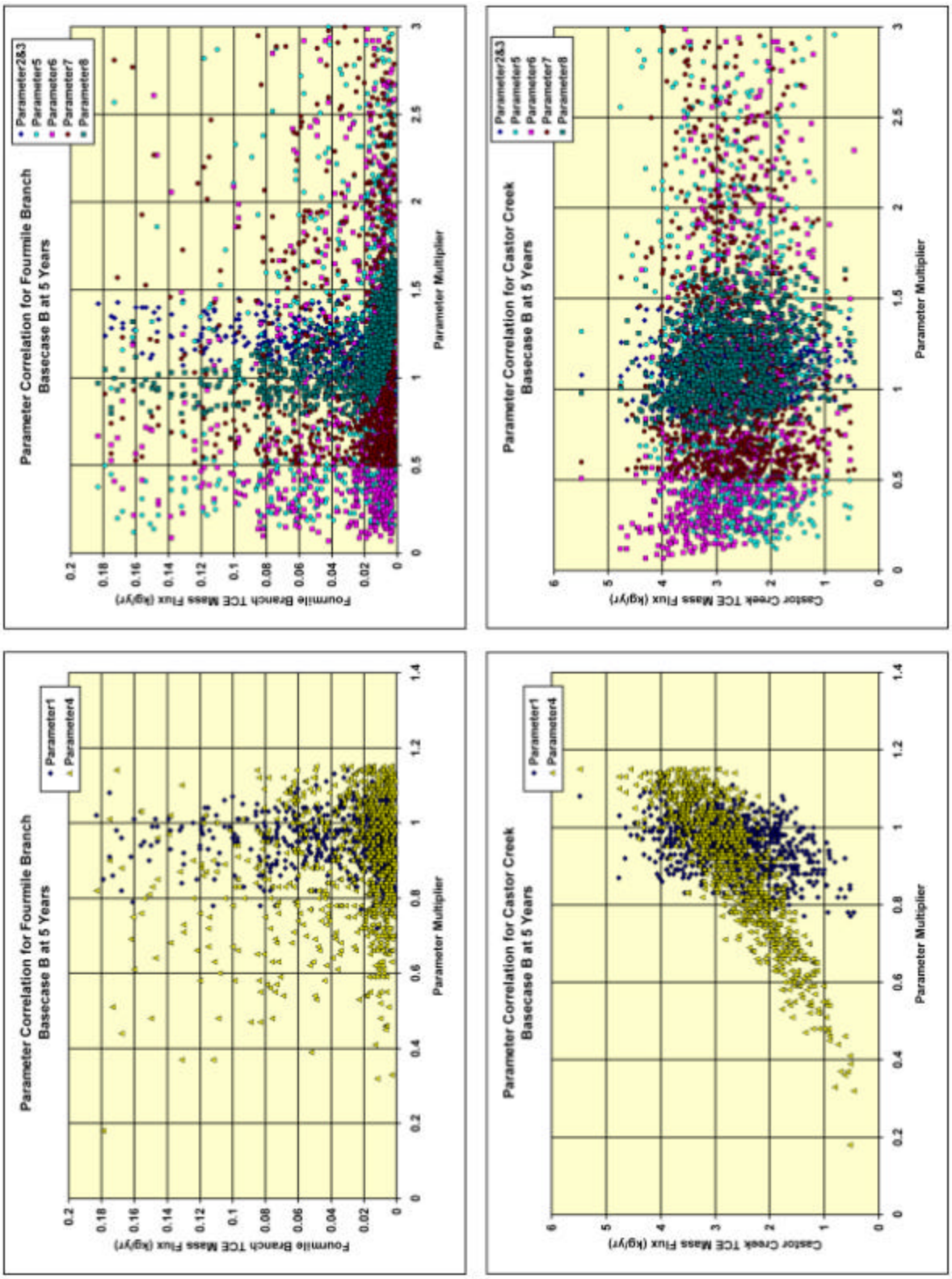


Figure 4-17. ***basecaseB*** **Parameter Correlation for Fourmile Branch and Castor Creek at 5 Years**

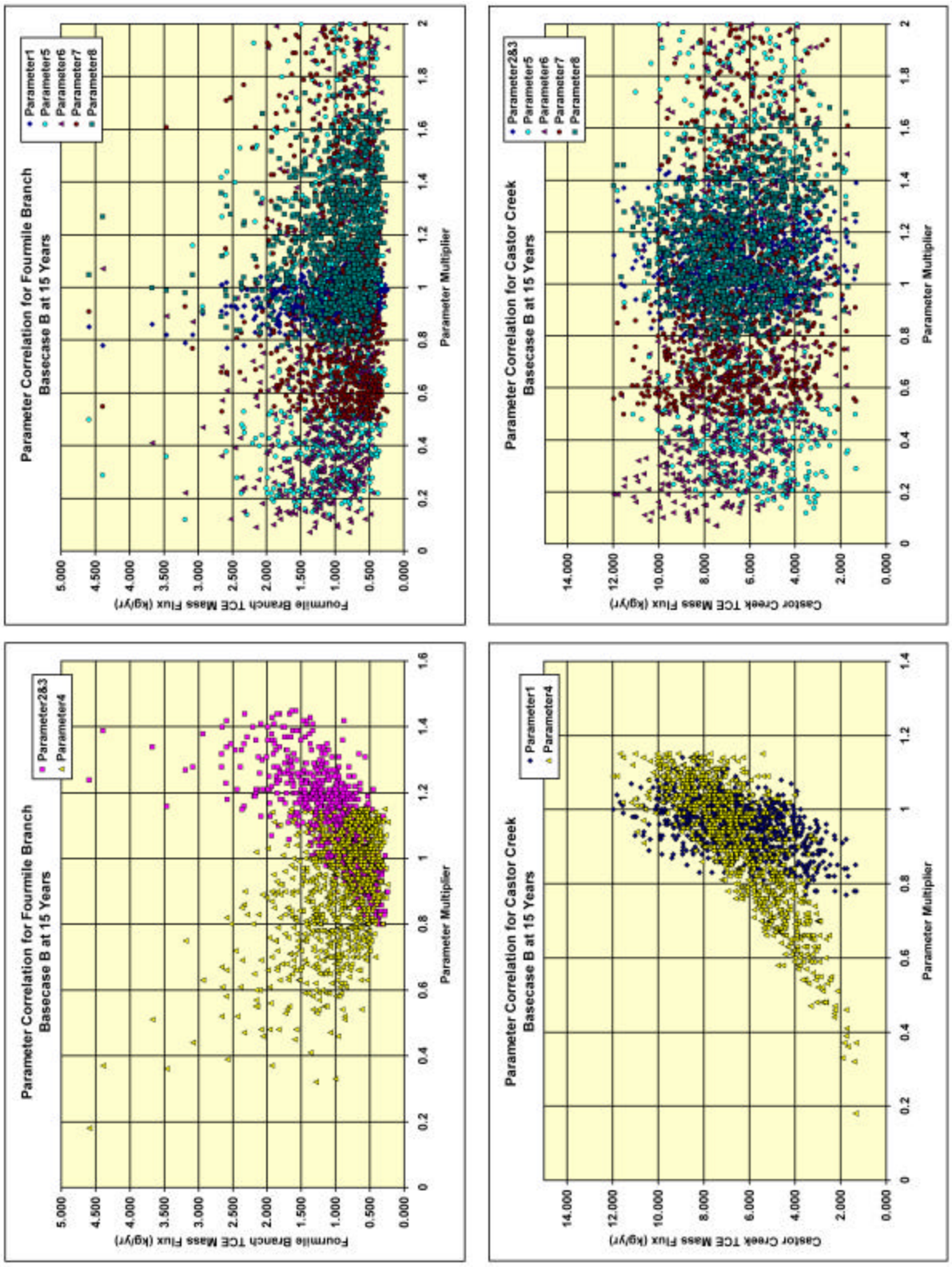


Figure 4-18. ***basecaseB*** **Parameter Correlation for Fourmile Branch and Castor Creek at 15 Years**

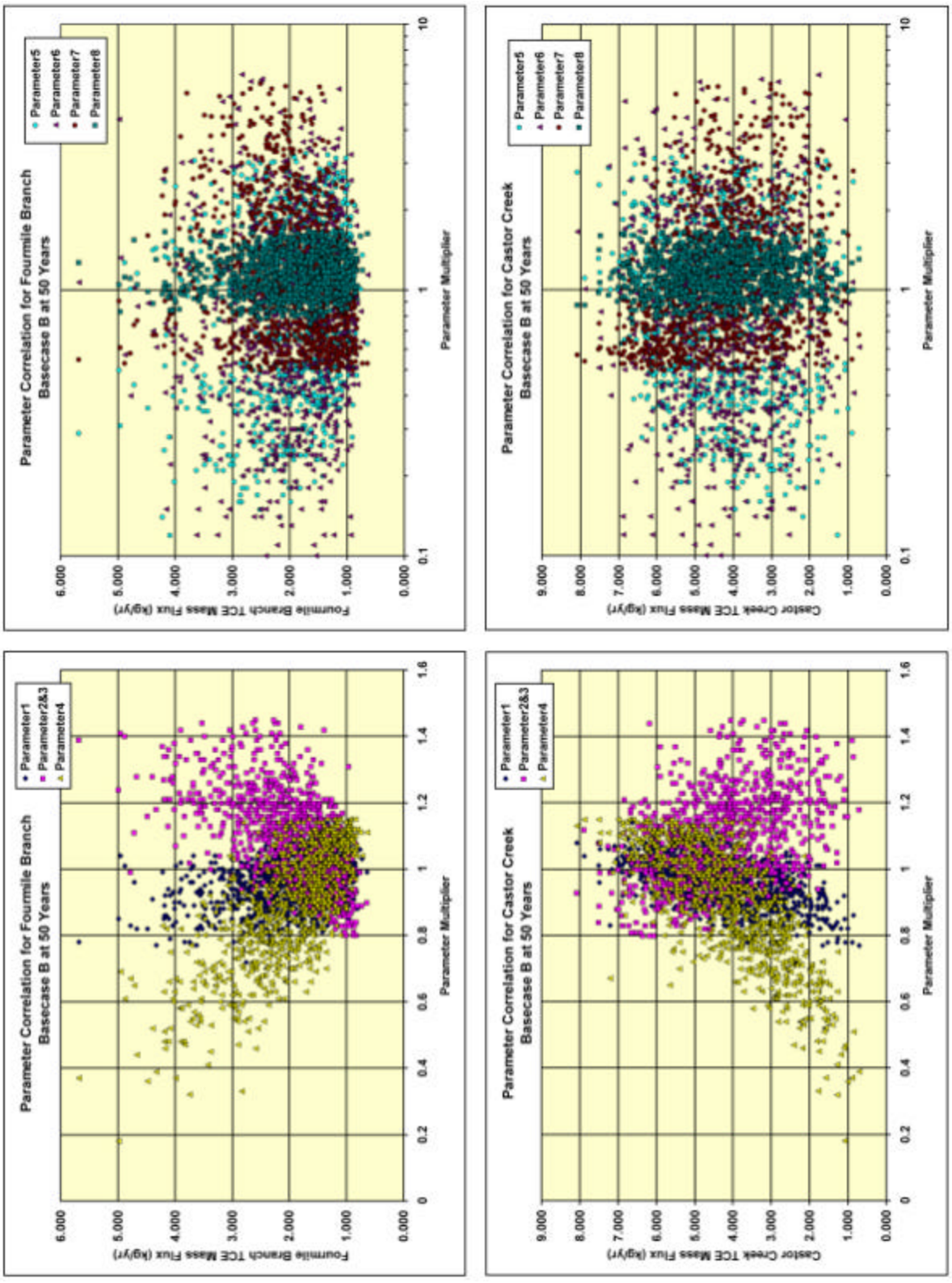


Figure 4-19. ***basecaseB*** **Parameter Correlation for Fourmile Branch and Castor Creek at 50 Years**

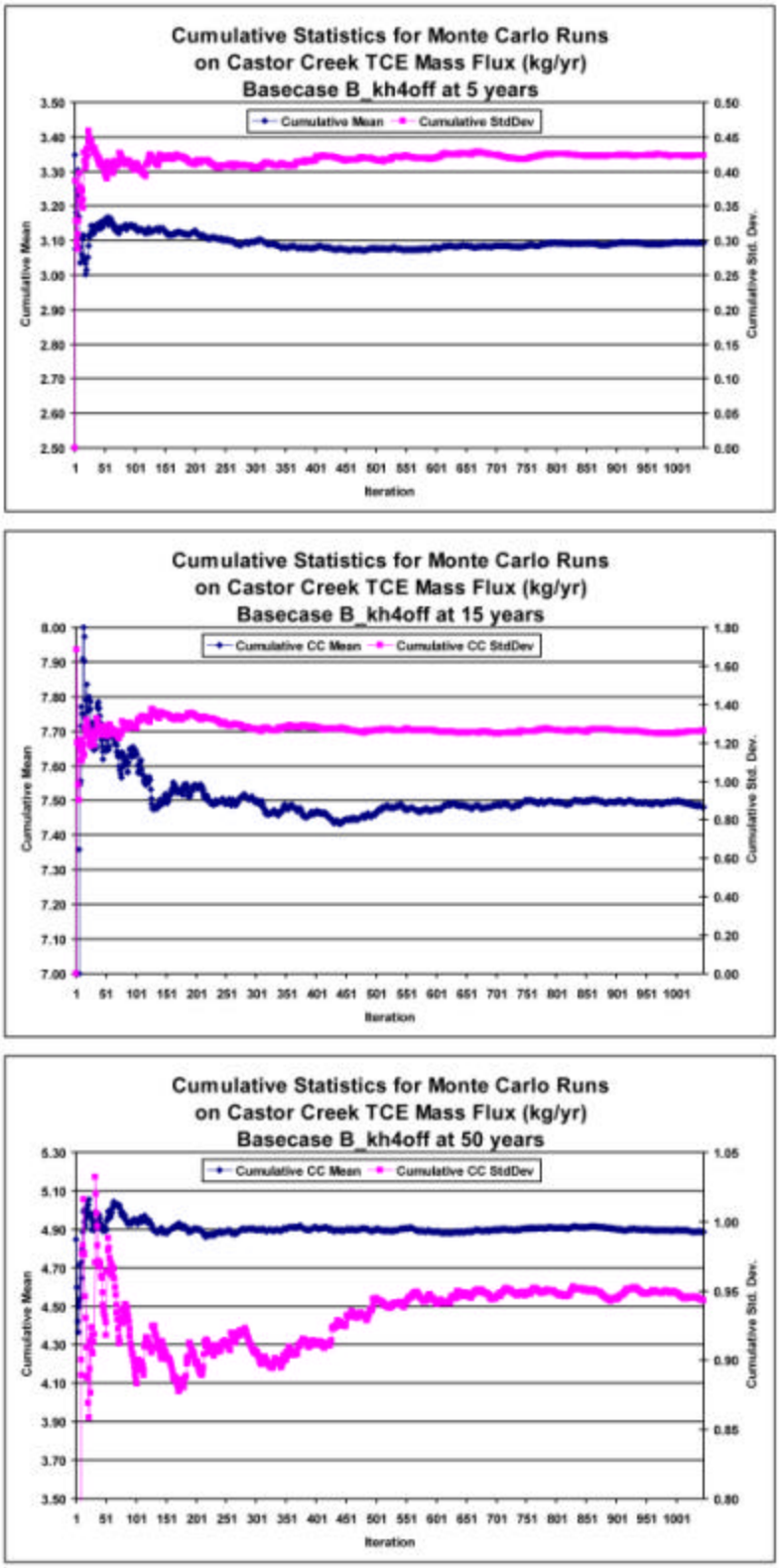


Figure 4-20. Cumulative Statistics for *basecaseB_kh4off* Monte Carlo Runs

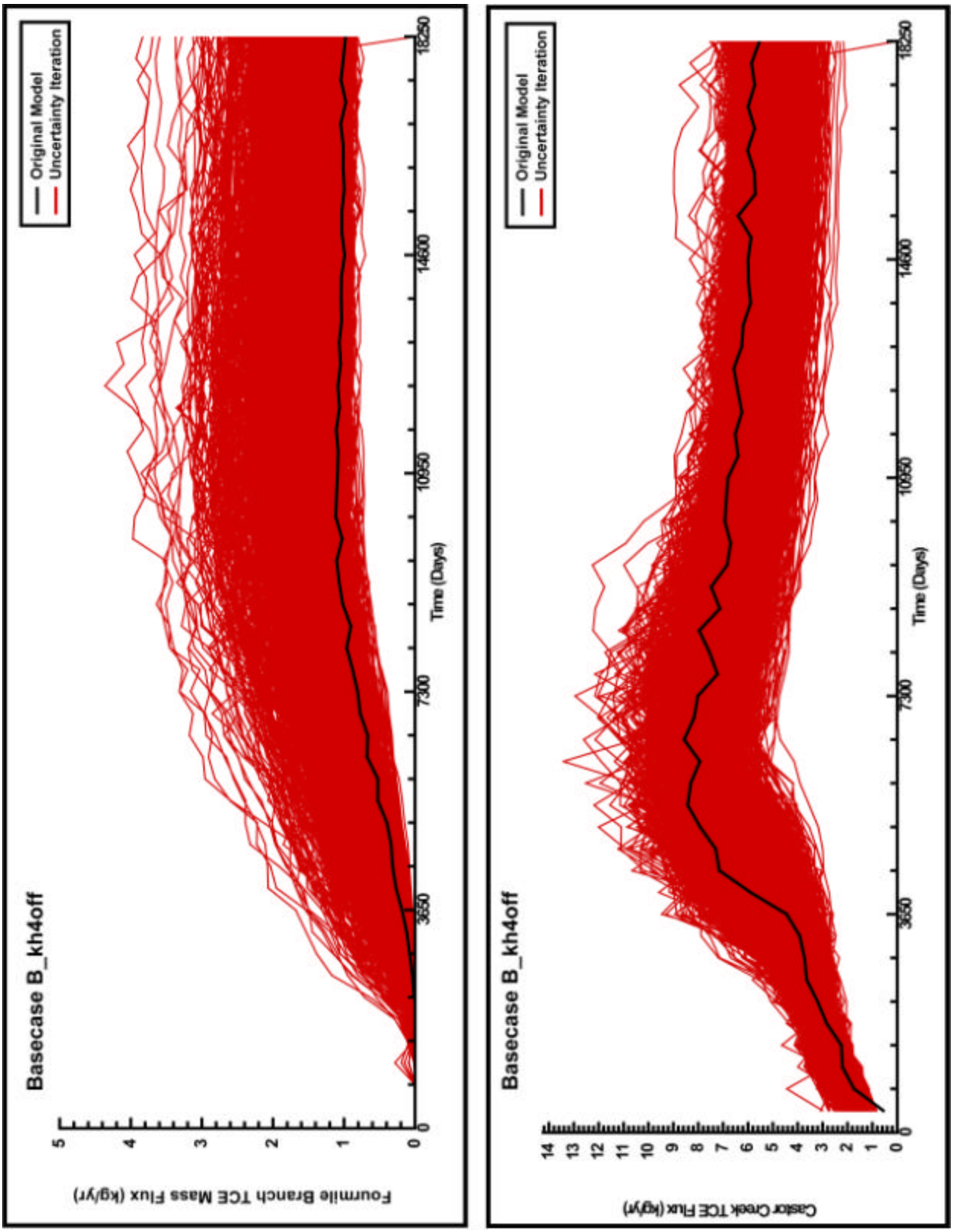


Figure 4-21. ***basecaseB_kh4off*** **TCE Mass Flux Results for Each Iteration**

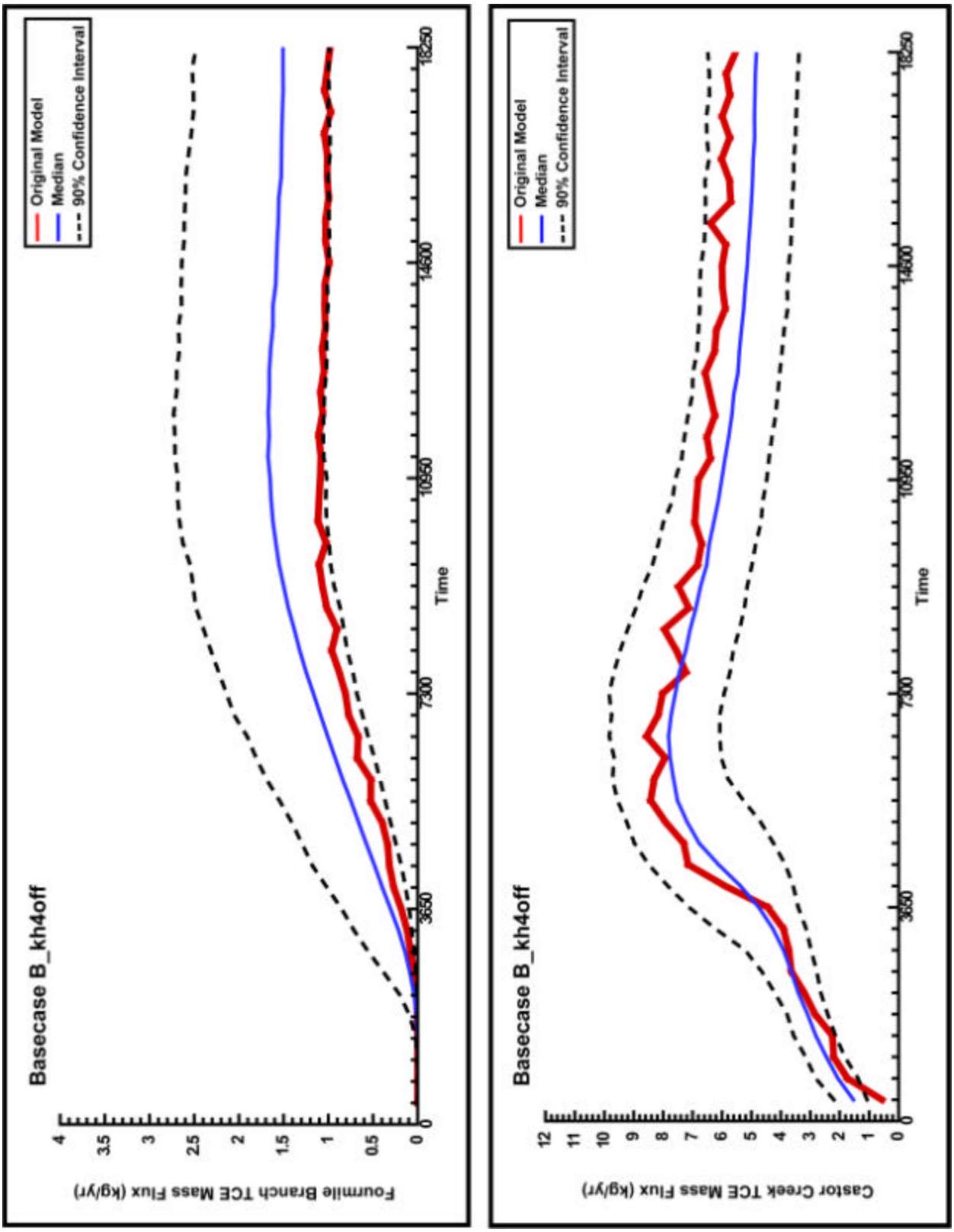
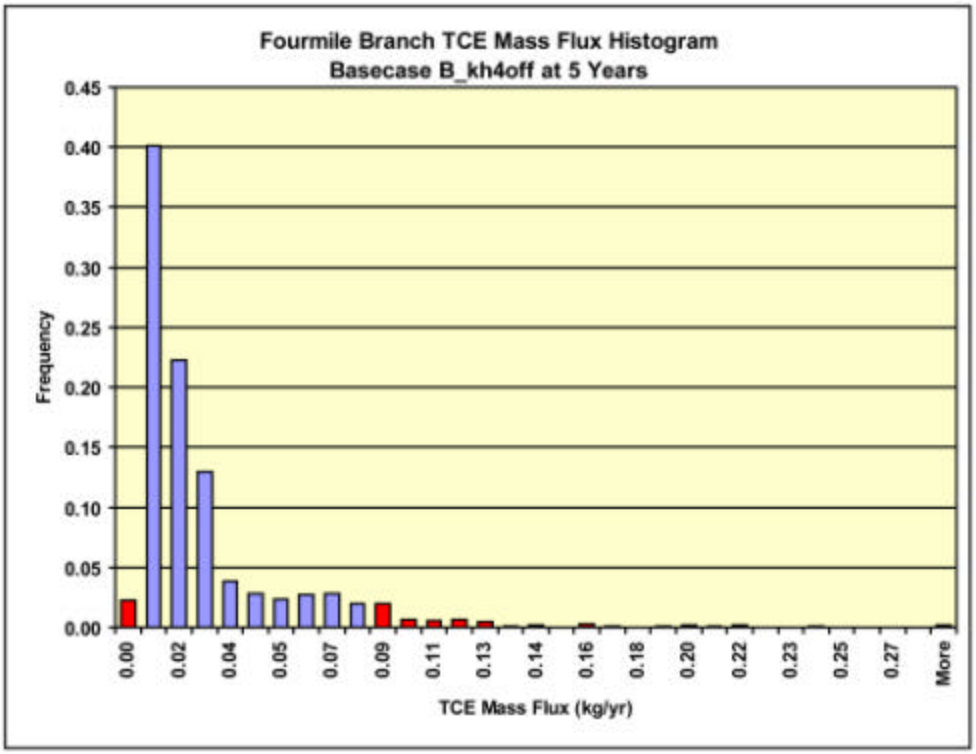


Figure 4-22. 90% Confidence Interval for *basecaseB_kh4off* TCE Mass Flux Iterations



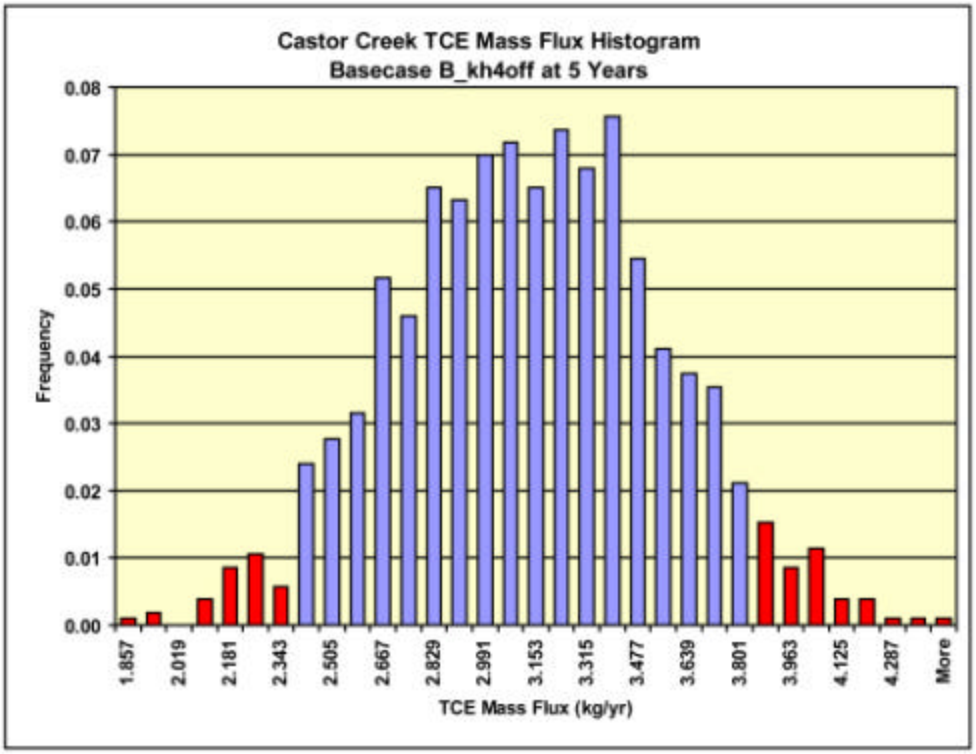
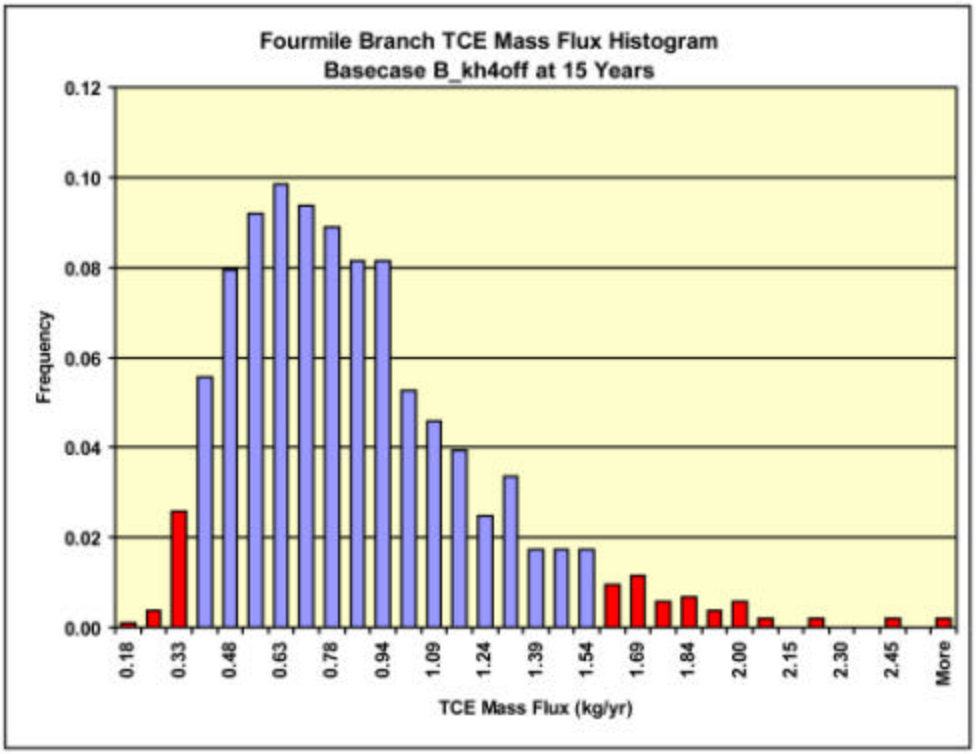


Figure 4-23. Frequency Histogram of TCE Mass Flux for *basecaseB_kh4off* at 5 Years



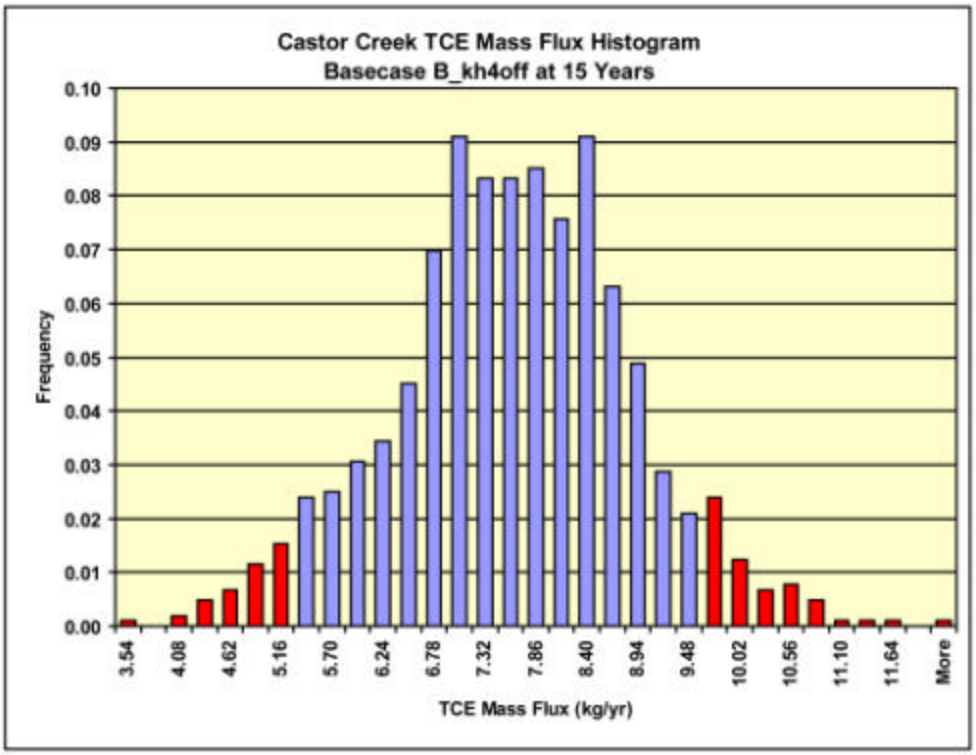
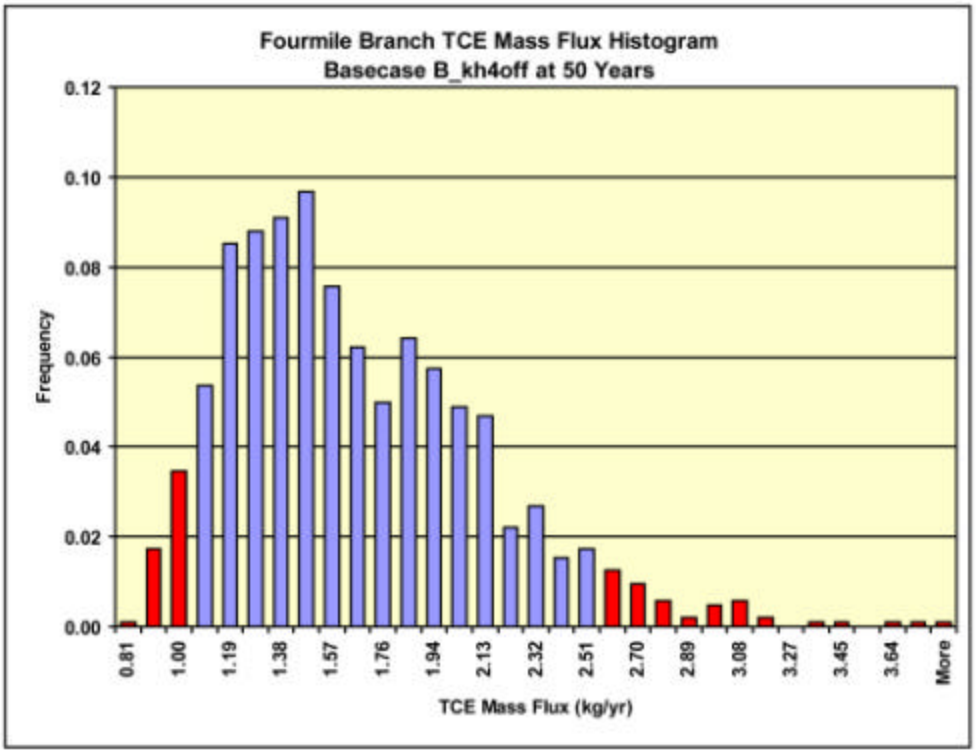


Figure 4-24. Frequency Histogram of TCE Mass Flux for *basecaseB_kh4off* at 15 Years



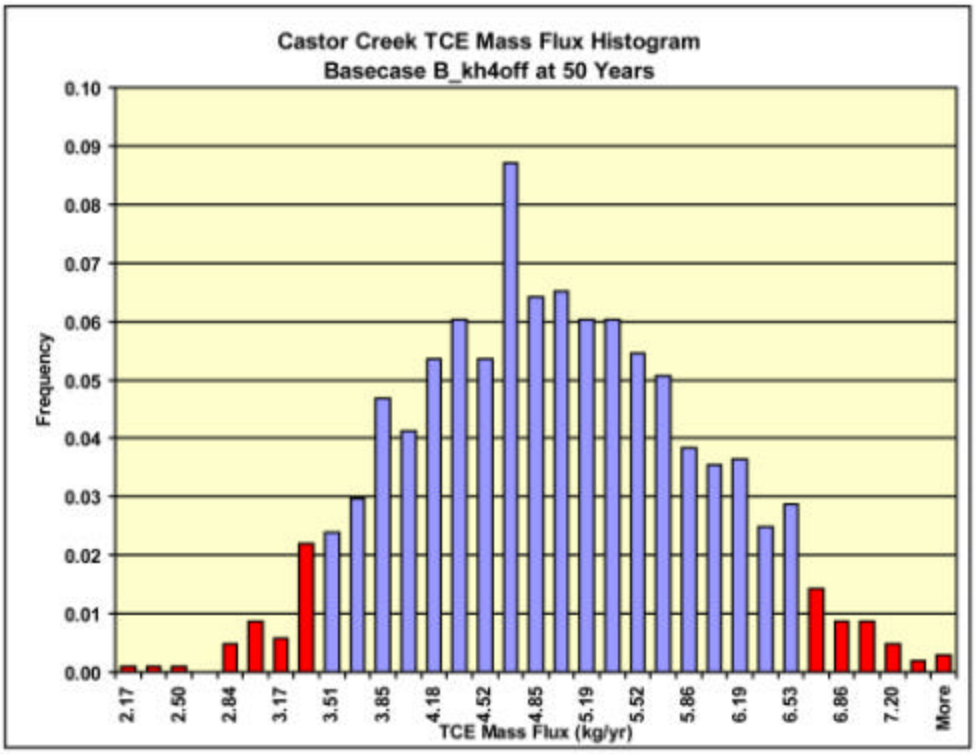


Figure 4-25. Frequency Histogram of TCE Mass Flux for *basecaseB_kh4off* at 50 Years

APPENDIX A

1.0 ANALYSIS OF ATYPICAL RESULTS

During initial analysis of the results from the *basecaseB* scenarios, a small number of iterations were observed to have abnormally high TCE mass fluxes to the streams. As shown in Figure A-1, these iteration fluxes were many times greater than the majority of results. Closer examination of a few of these atypical iterations exposed three potential problems: (1) at some point during the simulation time, very high negative concentrations at a single boundary cell would suddenly appear, (2) the constant recharge concentration source would intermittently "disappear" during the simulation, and (3) the plume body would not disperse as expected. The impact of these problems was a poor mass balance (not evident at the end of the simulation) and a flux of high contaminant concentrations to the stream boundaries.

A comparison and check of the various custom programs associated with this uncertainty analysis and GMS programs identified the problem to reside in the transport code (MT3DMS) used in the uncertainty analysis. As the MT3DMS code used in this analysis had been slightly modified and re-compiled to efficiently accommodate the other portions of the uncertainty analysis software, it was initially thought that some modification and/or compilation option was the cause for the problem. However, after extensive testing and recompilation using multiple compiler option configurations and multiple compilers, no clear problem in the code could be identified.

It was then hypothesized that the code problem was not common to all iterations, but would be manifested in only certain iterations, resulting in a "catastrophic failure." To test this hypothesis, a number of iterations that had "normal-looking" results and were representative of the majority of the results, were independently re-run using GMS programs. The specific test iterations (numbers: 27, 419, 4285, 4555, 4769, 4798, and the baseline case) from the *basecaseB* scenario were selected to cover the range of results, and are shown in Figure A-2. Note that there was no significance to the iteration number selection – the primary concern was to ensure that the range of "normal-looking" results was tested.

Figure A-3 shows the results of the test. As shown, the “new” (i.e., GMS program) results were very similar to the “original” (i.e., uncertainty program) results. The slight differences between the two sets of results are minor. Overall, the shapes and magnitudes are relatively the same for each test pair, and any differences must be due to code version differences (the GMS codes are "newer"). Because of the inherent statistical process of a Monte Carlo analysis, these small differences in individual iteration results should not impact the overall uncertainty analysis results.

The final outcome of this analysis was to identify and remove the “catastrophic failure” iterations from the results. This was accomplished by examining the original stream flux curves (see Figure A-1) and flagging those iterations whose results were obviously atypical. Table A-1 lists those iterations which were removed for the *basecaseB* scenarios. This process of identification and removal of iterations was repeated for each scenario data set, as given in Tables A-2 and A-3.

To determine the sensitivity of the identification and removal process, the confidence intervals for *basecaseB* stream flux for all the iterations, and only the “good” iterations was computed and compared. The results, given in Figure A-4, show that there is no significant difference in the resulting confidence intervals. Therefore, it can be concluded that the confidence intervals are not particularly sensitive to the “catastrophic failure” results, and that if our identification and removal process missed a few atypical results, our overall results were not adversely affected.

Table 3-1 Iterations Removed from *basecaseB* Scenario

Iteration	Iteration	Iteration	Iteration	Iteration	Iteration	Iteration
109	1071	1655	2402	3434	4022	4672
186	1301	2137	2654	3503	4353	4712
431	1514	2230	2762	3924	4521	4734
1004	1589	2376	2968	3999	4609	4737
						4978

Table 3-2 Iterations Removed from *phyto_edgeB* Scenario (in addition to those removed for *basecaseB*)

Iteration	Iteration	Iteration
281	2015	3740
324	2592	3774
1119	2808	3827

Table 3-3 Iterations Removed from *basecaseB_kh4off* scenario

Iteration	Iteration	Iteration	Iteration	Iteration	Iteration	Iteration
169	548	2319	2612	3195	3446	4303
253	747	2328	2697	3223	3590	4459
292	789	2454	2724	3277	4025	4475
388	1268	2554	2761	3312	4038	4645
431	1901	2588	3015	3389	4293	4684

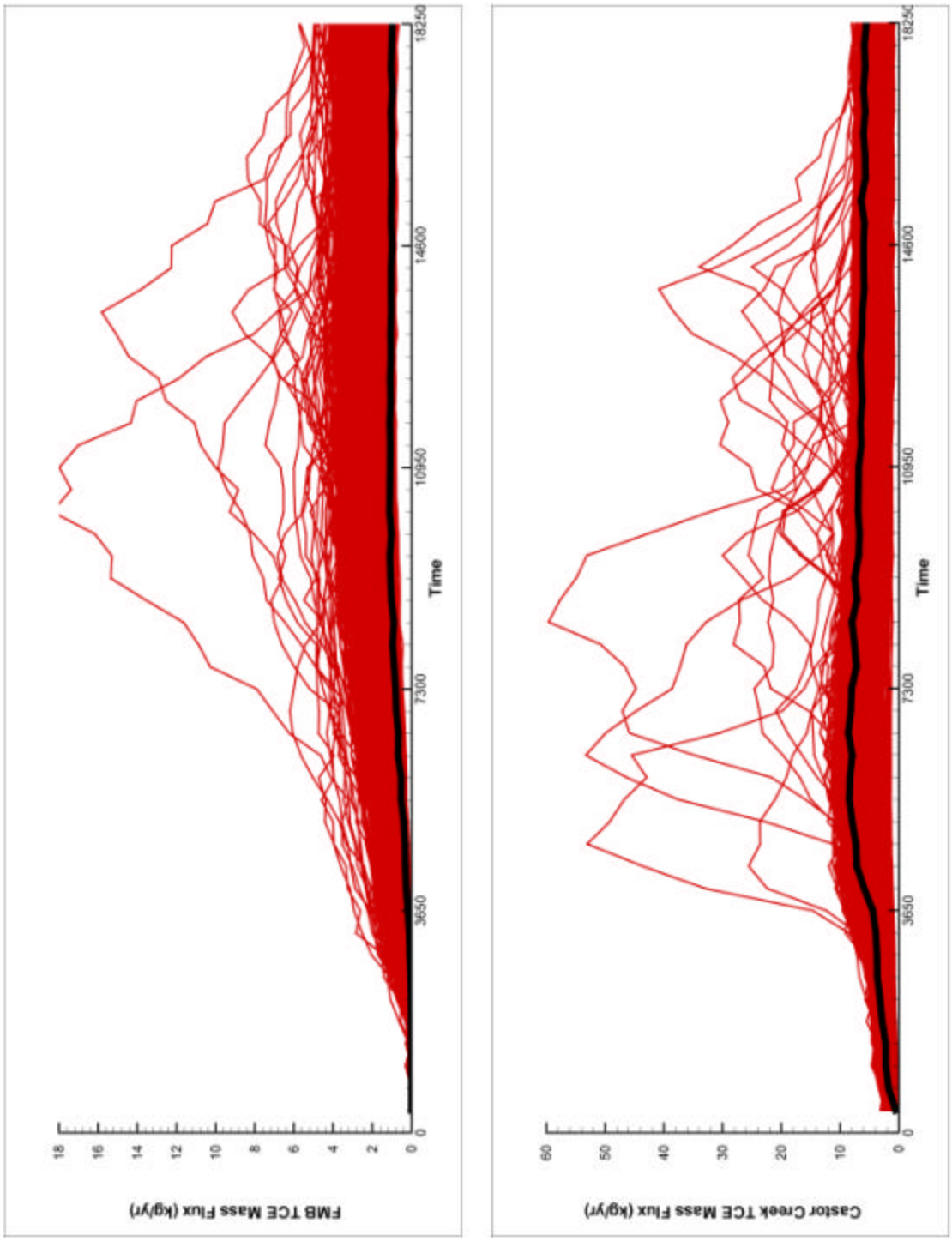


Figure A-1. TCE Mass Flux to Fourmile Branch and Castor Creek for All Original Iterations

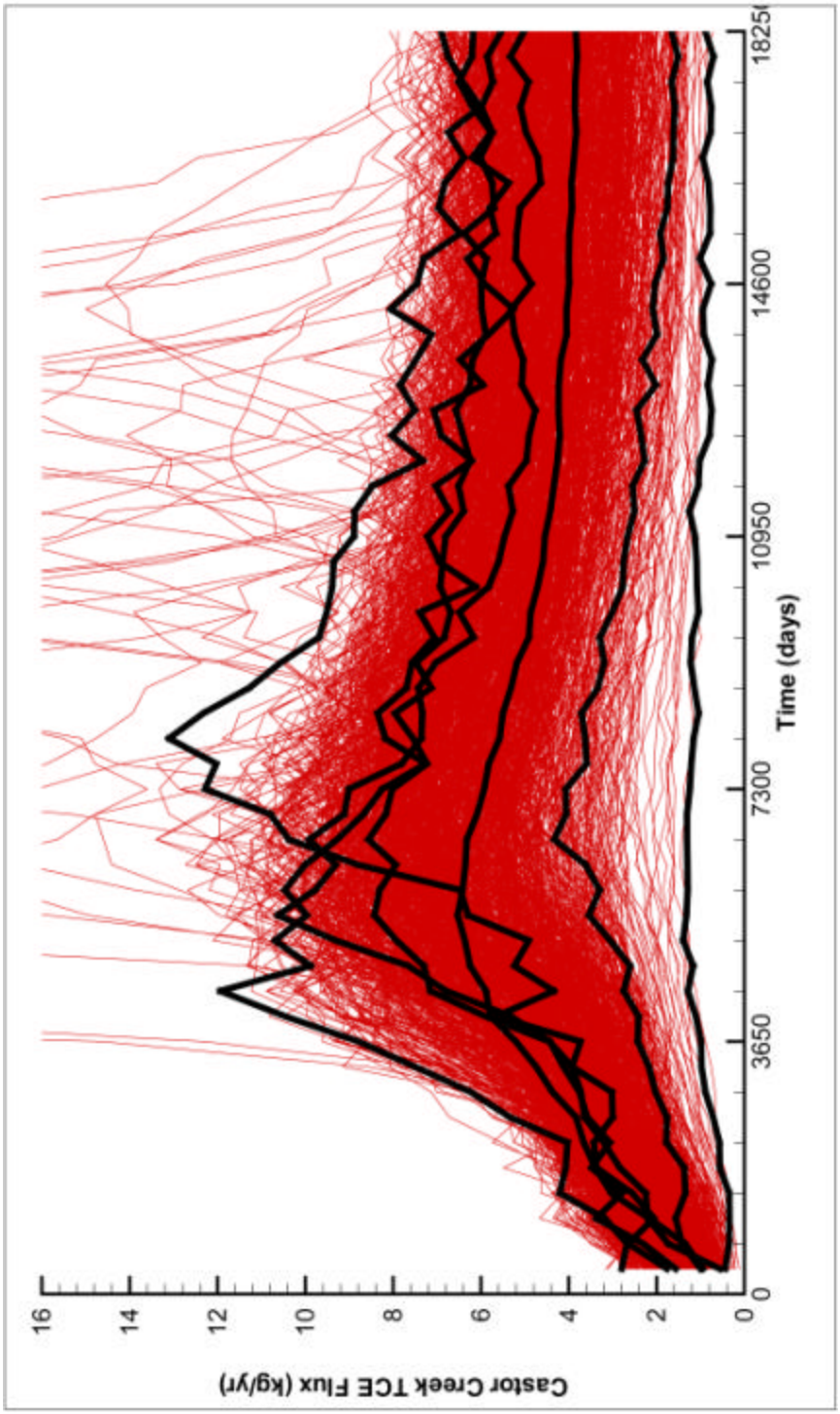


Figure A-2. TCE Mass Flux to Castor Creek for All Original Iterations, with Test Iterations Highlighted

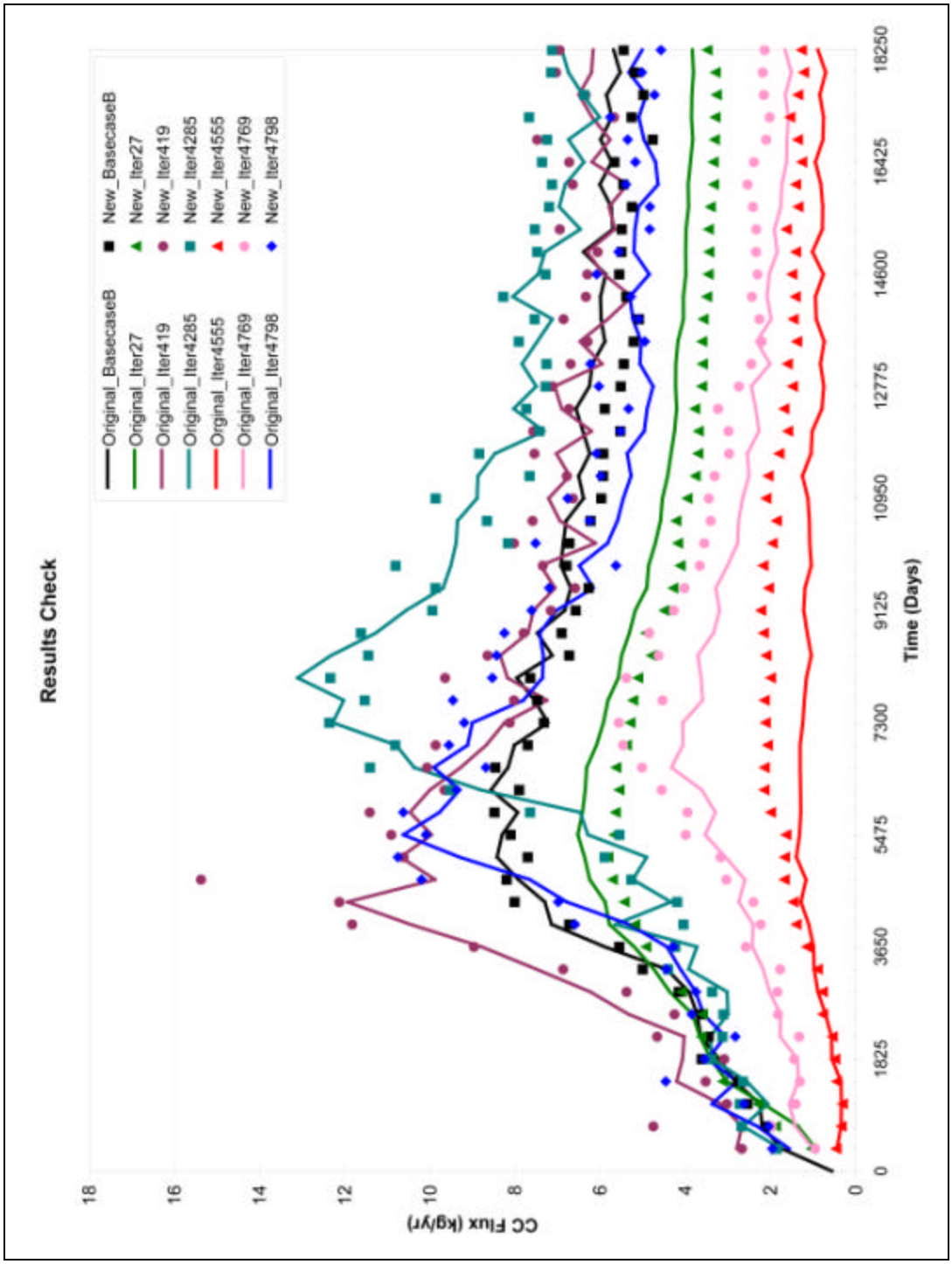


Figure A-3. TCE Mass Flux to Castor Creek Comparison for Test Iterations

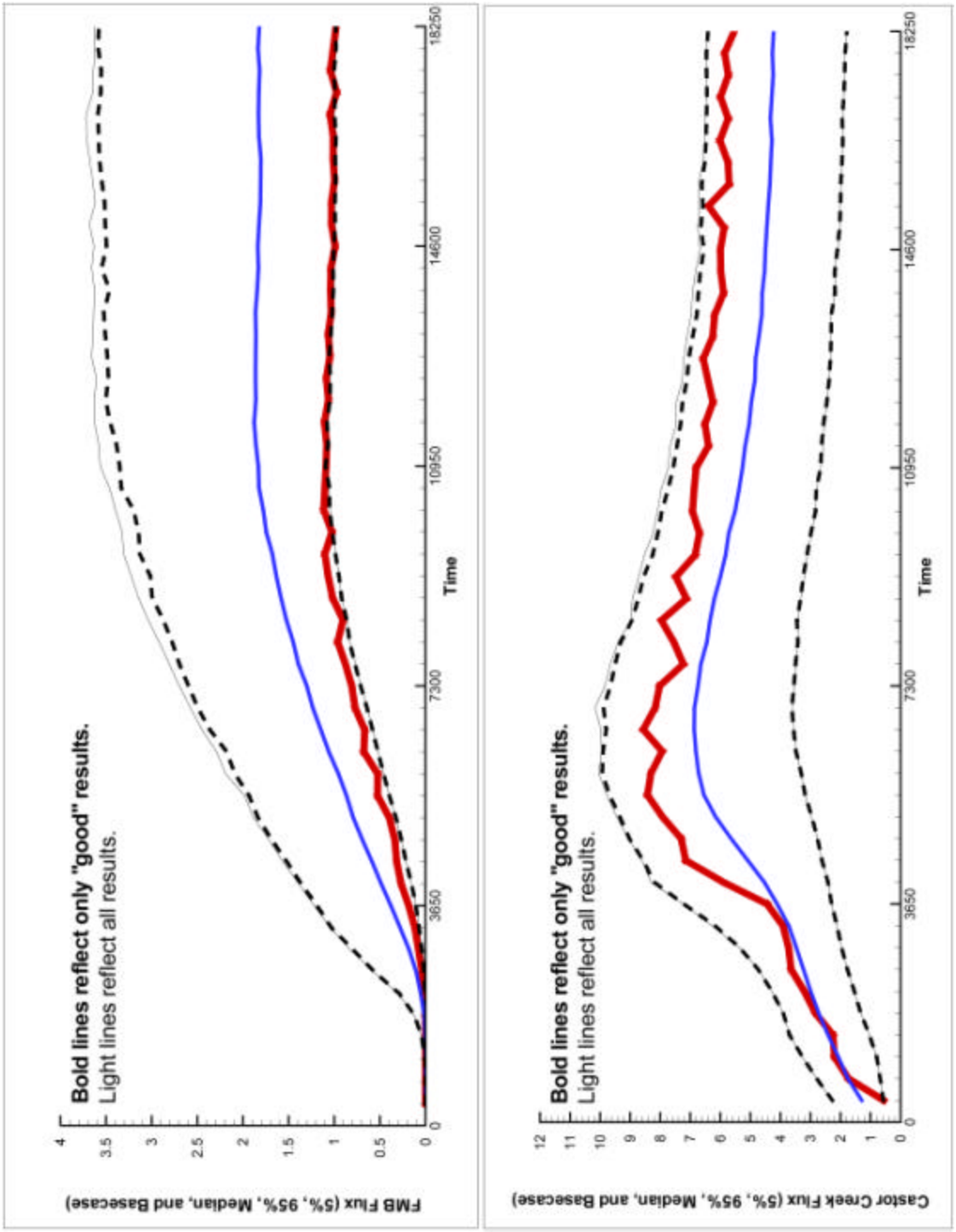


Figure A-4. TCE Mass Flux Confidence Interval Comparison for All Iterations and Only "Good" Iterations

APPENDIX B

Random Parameter Multipliers

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1	1.033580	0.806666	0.806666	1.094505	0.165676	0.751006	1.408792	1.434842
2	0.929110	0.773462	0.773462	1.062593	1.793016	1.064713	1.344004	1.126859
3	1.029339	0.889596	0.889596	1.134385	0.224411	0.319513	2.873779	1.068576
4	1.046519	0.518798	0.518798	0.997601	0.219573	0.487447	0.710028	1.072964
5	1.165351	0.928788	0.928788	0.928899	1.029734	1.044175	3.137078	1.047281
6	0.858315	1.104340	1.104340	0.761957	0.384763	0.468768	3.232789	1.562558
7	1.032372	0.318593	0.318593	0.884803	1.501475	0.935253	0.818774	0.807087
8	1.038682	0.765497	0.765497	0.868117	2.225497	1.790378	0.713407	1.005029
9	1.000250	0.833947	0.833947	1.072854	0.702721	0.582481	1.328630	1.240168
10	0.904685	1.032881	1.032881	0.626392	3.117771	0.248520	2.248644	1.695653
11	0.934410	1.360714	1.360714	1.103889	0.793577	0.510880	0.615872	1.257690
12	1.203185	1.169885	1.169885	0.393413	0.437833	1.582023	2.004542	1.060254
13	0.950612	1.274954	1.274954	0.753127	0.174476	0.180469	0.619499	1.282303
14	1.044099	0.912166	0.912166	0.974542	0.655429	0.738524	3.635053	0.905306
15	0.811649	1.100442	1.100442	0.868523	0.557722	0.993527	0.578249	1.087830
16	1.182894	0.726919	0.726919	0.283594	1.637042	1.187111	1.472983	1.144360
17	1.161652	1.386277	1.386277	1.148411	0.304420	0.381532	4.118474	1.461405
18	0.874836	1.342777	1.342777	0.868009	1.149840	0.706810	1.832138	1.049577
19	1.122727	0.753984	0.753984	0.810439	0.623191	0.432126	0.673573	1.034494
20	0.968247	1.425928	1.425928	1.088478	0.921287	0.513904	0.746817	1.132085
21	1.108760	0.759780	0.759780	0.986428	2.257196	0.607984	1.654497	1.158926
22	1.000119	0.723418	0.723418	1.124540	1.798033	0.719764	1.362728	0.882700
23	1.153139	0.949303	0.949303	0.950794	3.179642	0.203540	0.627664	1.421567
24	0.944164	0.942376	0.942376	0.791268	1.928229	2.745182	1.818471	0.981531
25	1.075817	1.197267	1.197267	0.354694	0.359674	0.132945	1.185712	1.128735
26	0.935963	0.897066	0.897066	0.888655	0.853505	0.935462	1.224552	0.872457
27	1.017683	1.197636	1.197636	0.949119	1.226898	2.420614	3.698963	0.963213
28	1.047636	0.743721	0.743721	1.036231	0.233942	0.273040	0.581875	0.860064
29	1.008285	0.714075	0.714075	0.549864	0.361013	0.089169	0.573010	0.973434
30	0.851882	1.041275	1.041275	0.692318	0.895504	0.245409	1.691787	1.394534
31	0.842631	0.968748	0.968748	0.781074	1.271703	2.242781	0.712507	1.307010
32	1.003302	0.799826	0.799826	1.143598	0.217987	0.689934	0.584482	1.507341
33	1.225451	0.660276	0.660276	1.120995	0.530637	0.664513	1.004720	1.281514
34	1.060279	1.295899	1.295899	0.269542	0.722262	0.518697	0.922686	1.518739
35	0.988757	1.169982	1.169982	1.130797	0.413402	0.360389	3.899358	1.190750
36	1.049040	0.699180	0.699180	0.326714	1.057395	0.385841	0.509387	1.435404
37	0.919987	0.999612	0.999612	0.773607	0.756088	0.828702	3.582791	1.430539
38	0.925970	0.969381	0.969381	0.680022	2.203416	0.966234	1.644686	1.227541
39	0.993291	1.038778	1.038778	0.516966	1.703775	0.534047	2.670437	1.231960
40	1.098430	1.034066	1.034066	1.121806	0.358403	0.215167	0.596572	1.209552
41	0.993809	1.258800	1.258800	0.791515	2.064980	1.245751	3.734215	1.428562
42	1.228560	0.659388	0.659388	1.142672	1.231739	1.182223	0.776588	1.420337
43	0.904621	1.185485	1.185485	1.104520	0.370983	0.315290	3.322127	1.455539
44	0.999824	1.264716	1.264716	0.943749	1.127706	0.245174	0.936507	1.322294
45	1.134356	0.645467	0.645467	0.800865	0.212376	0.685191	2.872382	1.271571
46	0.898761	0.615177	0.615177	0.866156	0.603329	1.014578	0.972035	1.042965
47	1.143052	1.109045	1.109045	1.114824	1.351579	0.096990	1.775557	1.026632
48	0.987498	1.106672	1.106672	0.684939	1.496931	0.824949	0.578542	1.277958
49	1.086076	0.857188	0.857188	0.857703	0.877543	0.646731	1.444713	1.153083
50	0.985628	0.782674	0.782674	0.825006	0.630595	1.084171	1.098752	1.126428
51	1.055972	1.396755	1.396755	0.726467	0.235878	0.623785	1.212840	1.271162
52	1.122119	0.765613	0.765613	1.080122	1.464581	0.687271	0.562794	1.434600
53	1.056260	1.120202	1.120202	0.374992	0.328859	0.397287	0.579694	1.182999
54	0.978760	1.330657	1.330657	0.956905	0.842646	0.118091	0.557219	0.959164

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
55	0.987704	1.206285	1.206285	0.649315	0.330519	2.033928	1.865700	1.633923
56	1.074711	0.981576	0.981576	0.562719	1.411365	1.174794	0.952275	1.176809
57	1.129748	1.073736	1.073736	1.000003	0.930094	0.704030	2.317494	1.367687
58	0.955098	1.301953	1.301953	0.585301	0.689323	0.961638	1.117408	1.115820
59	1.106746	0.962579	0.962579	0.959502	0.542138	0.382220	0.508608	1.146162
60	1.091737	0.767505	0.767505	0.934817	1.276355	0.248995	3.119791	1.230687
61	0.926285	0.480562	0.480562	0.614563	1.456875	0.663454	5.496534	1.617355
62	1.019261	0.812123	0.812123	1.053348	2.105234	0.972823	0.995147	0.995815
63	0.934252	0.795092	0.795092	0.949352	0.604321	1.153437	0.558681	1.098660
64	0.799030	0.911412	0.911412	1.026319	0.415605	0.873239	3.306197	0.936710
65	1.045534	1.055928	1.055928	0.673848	0.665228	0.724759	0.608770	0.994404
66	1.003185	1.091820	1.091820	0.822463	0.240886	0.365243	1.587444	1.583313
67	1.048794	0.927904	0.927904	1.073345	1.071051	0.339465	2.983228	0.934729
68	0.948958	1.149902	1.149902	1.054357	0.594634	1.440989	5.340223	1.190475
69	0.851353	0.631172	0.631172	0.583120	0.741074	0.431548	0.605374	1.191337
70	0.994184	1.187172	1.187172	0.437942	1.312983	0.622075	0.503159	1.063592
71	0.971818	0.921126	0.921126	0.884558	0.448024	0.766688	1.942594	0.966036
72	1.050997	1.032220	1.032220	0.834256	0.448354	0.163623	0.586231	1.153458
73	0.918680	1.121398	1.121398	0.932460	0.682815	0.474349	1.970914	0.999835
74	0.901826	1.071077	1.071077	1.137769	0.241903	1.436342	0.526956	1.319212
75	0.999337	1.266892	1.266892	0.565207	0.497992	0.415108	0.681279	1.344146
76	0.944416	1.188611	1.188611	0.619729	1.325805	1.935779	0.633099	1.073205
77	1.012914	1.053880	1.053880	0.637124	0.893785	0.262679	0.608837	1.094413
78	1.071046	0.964853	0.964853	0.993291	0.103393	0.264840	0.595371	1.427230
79	1.150763	0.852148	0.852148	0.891963	0.628955	0.293897	1.213081	1.486816
80	1.012245	0.809655	0.809655	0.505365	1.239490	0.203582	4.032585	1.381913
81	1.363135	0.930864	0.930864	0.680490	0.687778	2.402147	0.737624	1.057094
82	0.931872	0.893645	0.893645	1.096632	1.921622	1.802468	0.892310	0.903062
83	0.833813	1.253382	1.253382	1.010136	0.297057	0.490187	1.598989	1.273671
84	1.245264	1.247440	1.247440	1.114189	1.384153	0.141203	0.528881	0.913006
85	0.982029	0.483927	0.483927	1.033964	1.108916	0.898604	1.291369	1.210883
86	1.061464	0.708358	0.708358	0.701595	0.811211	1.937665	0.520811	0.984751
87	0.967205	0.985345	0.985345	0.878106	0.449637	0.476223	0.699491	1.032000
88	1.146443	1.190685	1.190685	0.938448	0.767279	0.834469	0.949849	1.557932
89	0.842971	0.937491	0.937491	0.700544	0.377670	0.454020	0.581651	1.394232
90	0.872212	1.208788	1.208788	0.948071	1.424794	0.900245	0.568251	1.196343
91	1.139234	0.624118	0.624118	1.044837	1.042275	0.619648	1.678279	1.072330
92	0.866906	0.783420	0.783420	0.738652	0.189817	0.232814	0.718173	1.181312
93	1.078579	0.993636	0.993636	0.385971	1.224149	1.922782	1.615979	1.024186
94	1.022590	1.210468	1.210468	0.844172	1.366768	0.364329	1.222188	0.990099
95	0.937963	1.069296	1.069296	0.615292	0.318732	0.561473	0.975107	1.198536
96	1.036627	0.912183	0.912183	0.972349	1.197830	2.088994	2.007277	1.127194
97	0.861477	1.238647	1.238647	0.932628	0.497188	0.136514	1.658328	0.963130
98	0.773274	0.857951	0.857951	0.967974	0.694967	0.269883	0.678832	1.166689
99	1.196226	0.719488	0.719488	1.016014	0.704242	0.587243	2.191005	1.127295
100	1.045053	0.611700	0.611700	0.994337	0.651307	1.103533	4.270590	1.598839
101	1.006199	1.156163	1.156163	0.733430	0.746105	1.029447	0.640851	1.343456
102	0.773178	1.174026	1.174026	0.890708	0.451168	1.741020	4.238451	0.933749
103	0.855079	0.732346	0.732346	0.931874	1.627278	1.290296	0.646487	1.147034
104	0.847502	1.050408	1.050408	1.032826	1.499835	0.106324	0.915943	1.361159
105	1.079134	0.959457	0.959457	0.568209	3.260793	0.418697	1.380583	1.046470
106	0.914958	0.851022	0.851022	1.032202	0.756707	1.248058	1.247106	1.427247
107	0.959956	1.064173	1.064173	1.037924	1.419133	0.923350	0.991437	1.177320
108	0.910043	1.173922	1.173922	0.955465	0.421960	0.351550	4.349805	1.090856
109	0.955216	1.331766	1.331766	1.140344	0.213393	0.288893	0.505873	0.925002
110	0.851138	0.498419	0.498419	0.711423	0.779463	0.412960	1.033557	1.327358
111	0.895448	1.369505	1.369505	0.860987	0.974115	1.033543	1.738383	1.213294

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
112	0.844513	0.870749	0.870749	0.842280	2.668988	0.178129	4.726290	1.151165
113	1.058666	0.886997	0.886997	1.142185	0.407005	1.398989	1.559910	1.532086
114	1.011677	1.061064	1.061064	0.836701	1.277028	0.248176	0.832703	1.458344
115	1.115935	1.043367	1.043367	1.138294	0.702048	3.215473	2.996622	0.895976
116	0.978341	0.711587	0.711587	0.717094	1.131898	1.065287	1.653584	0.979416
117	1.094835	0.814004	0.814004	0.157060	1.103849	5.567897	4.826931	1.296057
118	1.002727	0.513215	0.513215	0.725218	0.364679	0.208259	1.321982	1.227500
119	0.982065	1.038152	1.038152	0.963023	0.467800	4.116667	5.645452	1.106230
120	0.883547	0.919854	0.919854	0.814981	1.298226	0.612391	0.648004	1.342620
121	0.953558	1.029300	1.029300	0.429066	1.130929	1.263711	1.799403	1.172501
122	1.077378	1.165629	1.165629	1.089806	0.455157	1.130517	5.127645	1.386702
123	0.984101	0.733470	0.733470	0.800709	0.257726	0.431624	0.567000	1.095358
124	0.988691	1.160846	1.160846	0.750352	0.177145	0.560001	0.803625	0.962963
125	0.977855	1.218031	1.218031	0.854363	1.884652	1.840499	0.716879	1.004648
126	1.195801	0.687764	0.687764	0.852197	2.160965	1.669164	2.273369	1.248952
127	0.896276	0.947378	0.947378	0.606048	0.584630	0.486543	0.901209	1.419429
128	0.884597	1.095492	1.095492	1.016649	0.697213	0.429219	0.528638	0.943115
129	1.053114	0.989272	0.989272	0.836480	0.657700	1.398347	0.529346	1.083562
130	1.289111	1.084256	1.084256	0.852008	0.801840	0.250748	5.149389	1.139252
131	1.104424	0.864359	0.864359	1.070355	0.621123	0.760102	0.796505	1.169060
132	1.119151	1.147525	1.147525	0.956624	0.610161	0.466714	2.257204	1.039982
133	1.133976	1.005233	1.005233	0.937511	1.191980	0.092193	0.828096	1.075791
134	0.945766	1.363222	1.363222	0.307191	0.273647	1.154149	1.737367	1.083567
135	0.865911	1.076984	1.076984	0.576386	2.081441	0.847101	1.402381	1.266705
136	1.152498	0.952351	0.952351	1.114588	1.021111	0.188550	0.526300	1.416832
137	0.978134	0.906851	0.906851	1.065254	0.819879	0.274353	2.296420	1.640925
138	0.867262	0.948267	0.948267	0.735261	1.577566	0.165055	0.786631	1.352633
139	0.976451	0.771347	0.771347	1.140703	0.563561	2.877778	0.730548	0.963050
140	1.035632	1.241812	1.241812	0.677058	0.671131	0.292176	0.857238	1.187098
141	1.106468	1.331535	1.331535	0.972358	0.790162	0.396014	0.518591	1.565898
142	0.958783	1.021858	1.021858	0.760724	1.663570	0.718711	1.813403	0.944669
143	1.115028	1.151165	1.151165	0.772051	0.164996	0.836584	0.748379	1.015757
144	1.039462	0.968536	0.968536	0.906926	0.167597	1.023720	1.206268	1.089471
145	0.993163	1.292660	1.292660	0.774782	1.854529	0.211898	0.592325	1.114186
146	1.125955	0.911128	0.911128	0.721765	0.252751	1.012493	0.780523	1.264970
147	1.004276	0.995267	0.995267	0.951115	0.905725	0.142660	1.301352	1.201946
148	1.107154	0.494357	0.494357	0.594956	0.192049	0.490773	0.914527	1.217549
149	0.891999	1.107583	1.107583	1.002594	0.311852	0.229353	0.864865	1.013228
150	1.037612	1.155686	1.155686	0.609176	0.358827	1.008825	0.680204	1.244268
151	1.008072	1.008691	1.008691	0.847341	0.521563	0.611132	1.318533	1.116379
152	0.995826	1.060701	1.060701	0.658150	0.697415	0.363781	1.108229	1.217339
153	1.028676	1.387565	1.387565	0.648472	1.029501	2.631995	1.665048	1.594181
154	1.010885	0.836001	0.836001	1.084272	2.496918	0.509523	0.749198	1.416166
155	1.027884	1.177095	1.177095	1.016826	2.018832	0.905299	2.007195	1.512226
156	1.039393	0.761141	0.761141	0.612652	0.858125	3.616872	2.048316	1.329708
157	1.112250	0.472624	0.472624	0.582725	2.192750	1.742726	0.987113	0.915382
158	1.057013	1.283981	1.283981	1.125591	1.670361	1.404900	3.403762	1.462822
159	1.089751	0.929626	0.929626	1.122539	0.566849	0.526347	2.772258	1.457976
160	1.082059	1.278120	1.278120	0.486870	0.886830	3.586112	0.513407	1.246060
161	1.082832	0.609734	0.609734	0.770364	0.105679	1.458973	2.060907	1.161648
162	0.958500	1.136378	1.136378	1.018034	1.073502	0.221704	4.273554	0.930320
163	0.948818	0.960498	0.960498	0.756902	1.815397	0.680335	0.662724	1.455681
164	0.962533	0.851460	0.851460	0.253415	0.226637	1.629066	4.594924	1.591757
165	1.020432	1.250634	1.250634	0.903089	0.856785	0.463838	1.125192	0.965976
166	0.984748	1.143721	1.143721	0.474703	0.790446	1.009022	0.685698	1.386349
167	0.979853	1.244743	1.244743	0.987373	0.453777	2.033979	1.548539	1.119178
168	0.965748	1.123441	1.123441	1.105636	0.797171	1.632585	2.234370	1.227911

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
169	1.055377	1.436182	1.436182	0.935832	0.238628	0.435974	1.074492	1.300705
170	0.996904	1.307948	1.307948	0.680729	0.632357	0.393946	1.315148	0.934325
171	0.839356	1.036013	1.036013	0.907364	0.180725	0.913800	0.536112	1.074345
172	0.980492	1.056470	1.056470	0.970621	2.316311	0.623154	0.732659	0.947096
173	0.976509	1.340892	1.340892	0.835484	0.329751	0.351755	0.886741	0.903432
174	0.856722	0.929987	0.929987	0.756042	1.226839	1.781609	1.739575	1.013958
175	0.985486	0.896259	0.896259	0.827287	0.439269	0.477570	1.334608	0.996812
176	1.072455	0.858085	0.858085	1.037091	0.597556	0.530985	0.570566	1.092665
177	1.037524	1.318532	1.318532	0.825531	1.615626	0.150113	0.648302	1.251008
178	0.894005	1.208863	1.208863	0.475124	0.515846	2.847857	1.917372	1.065616
179	0.897920	1.033693	1.033693	0.542057	1.124031	0.211911	2.282848	0.987485
180	1.027788	0.892356	0.892356	0.596221	0.678513	1.518502	2.502564	1.220337
181	1.118214	1.286607	1.286607	1.123588	2.354259	1.887304	2.835809	0.938453
182	1.098563	1.124629	1.124629	1.104921	0.469741	1.936818	1.118412	0.880894
183	1.100098	0.791747	0.791747	1.075423	0.334844	5.115932	3.297181	1.022258
184	1.004473	0.696932	0.696932	0.975787	1.042750	0.961040	1.976322	0.995825
185	1.032802	0.901064	0.901064	0.726058	0.631912	0.201877	2.012568	1.644120
186	0.906480	0.993757	0.993757	0.809110	0.485438	0.353035	2.095963	1.066780
187	1.010773	0.751453	0.751453	1.030191	0.825640	0.218346	1.465048	1.037024
188	0.915422	1.151343	1.151343	0.739196	1.924308	0.987883	1.117619	1.005566
189	1.034737	1.010822	1.010822	0.978509	0.618975	0.414015	0.754483	1.003197
190	0.999865	0.886454	0.886454	0.497713	0.665847	0.702125	0.538826	1.593811
191	1.049166	1.026344	1.026344	0.343485	0.627298	0.857790	0.751671	1.222701
192	1.132145	0.777364	0.777364	0.867674	1.437251	0.328595	0.822276	1.312187
193	1.011330	0.986862	0.986862	0.987205	0.515368	2.664392	4.353654	1.249643
194	1.128224	0.878111	0.878111	0.970872	1.764021	1.377647	1.774385	0.957541
195	1.039231	0.623606	0.623606	0.917759	1.661123	0.890385	1.520369	0.977089
196	0.797505	1.149666	1.149666	0.653674	1.386225	2.283841	1.031631	1.114541
197	1.131920	1.246056	1.246056	1.145864	0.582386	4.849304	0.624594	1.083839
198	0.866507	0.636918	0.636918	0.878892	0.776845	0.762590	2.707721	0.985709
199	0.991283	0.825794	0.825794	1.061761	2.081395	0.618365	0.867371	1.223187
200	1.016291	0.803294	0.803294	1.104148	3.138521	0.711542	1.454305	1.138716
201	1.151429	1.065897	1.065897	1.082994	0.330156	0.745542	1.683646	0.846959
202	1.001637	1.028305	1.028305	0.737758	2.895466	1.151036	0.567821	0.935848
203	0.963844	1.016132	1.016132	0.994436	0.337941	0.468187	0.540991	1.588640
204	1.063409	0.848885	0.848885	0.984997	1.074991	0.350038	0.751235	1.114330
205	0.990156	0.694426	0.694426	0.847414	1.794453	0.365368	1.901211	1.423758
206	1.069144	0.852508	0.852508	0.876655	1.096579	0.260044	1.024294	1.094732
207	1.047373	0.271820	0.271820	0.878594	1.564613	0.227235	0.674942	1.510662
208	0.884584	1.138418	1.138418	0.863721	0.451559	1.507533	3.069983	0.911230
209	0.971652	0.760724	0.760724	0.891644	0.150579	0.098922	0.790478	0.959516
210	1.092704	0.576329	0.576329	1.115395	0.949308	0.462621	0.818610	0.779981
211	1.130124	1.312469	1.312469	0.939021	1.037686	2.948821	1.319911	1.314658
212	1.095004	1.306423	1.306423	0.913504	0.274909	1.790284	0.557752	1.605450
213	1.081904	1.036564	1.036564	0.754696	0.341840	0.270412	1.460496	0.946296
214	1.023201	1.352956	1.352956	1.104566	0.880788	1.585197	0.625570	1.408238
215	1.194359	0.691852	0.691852	1.018985	2.882112	0.134258	0.991603	1.367476
216	0.971609	0.731799	0.731799	0.741317	0.524964	1.016762	1.125590	0.927100
217	0.848265	1.125032	1.125032	0.732842	0.789826	1.763208	3.066068	0.867409
218	0.803069	0.612132	0.612132	0.592374	0.230305	1.858910	4.415392	0.990664
219	0.991589	1.120061	1.120061	0.483926	0.845041	0.148340	0.759020	1.565250
220	1.019614	1.254234	1.254234	0.749737	0.648506	0.447736	1.800171	1.216205
221	0.970391	0.809972	0.809972	0.903637	0.754534	0.982733	1.162558	0.904797
222	1.121918	1.053339	1.053339	0.818595	0.369516	0.500292	0.593079	1.350581
223	1.088813	0.629028	0.629028	0.738308	1.480819	0.759290	0.983027	1.516242
224	1.077711	0.932116	0.932116	1.025656	0.487973	0.449199	3.084019	0.946855
225	0.902794	1.130090	1.130090	0.847648	1.831606	0.335474	0.526269	1.342460

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
226	0.987862	0.606023	0.606023	1.049768	0.208738	0.604736	0.668986	1.153469
227	0.924214	0.529416	0.529416	0.410144	1.408551	0.572250	4.758141	1.310379
228	0.996239	0.687553	0.687553	1.048932	1.532482	4.261001	1.831839	1.202825
229	1.120239	0.919225	0.919225	0.725556	0.820860	1.225711	0.945392	1.103242
230	0.991752	0.800386	0.800386	0.519175	0.179831	1.693887	0.671661	1.024285
231	0.978163	1.108003	1.108003	1.084413	1.516589	0.481976	1.153255	0.832320
232	0.926103	0.962085	0.962085	0.706277	1.868622	0.770155	0.672883	1.323397
233	0.980880	1.157483	1.157483	1.145589	0.904738	0.640931	1.497656	0.865444
234	1.119217	1.232778	1.232778	0.718764	0.886588	0.644814	0.515719	0.821976
235	0.960733	0.681954	0.681954	0.738876	0.270153	0.187180	0.845889	1.167509
236	1.031440	1.339841	1.339841	0.568670	0.469567	0.995264	4.281816	1.213214
237	0.926804	1.082460	1.082460	0.887103	0.773438	2.993767	1.417614	1.173246
238	0.876166	0.862796	0.862796	1.060406	1.008752	0.798104	1.367399	0.877449
239	1.040899	1.186324	1.186324	1.021845	0.364051	2.397996	3.475712	1.194367
240	1.229435	0.801323	0.801323	1.021075	0.388807	1.791825	1.675412	1.084825
241	0.880401	0.453159	0.453159	0.980411	0.154156	0.823536	2.532346	1.140213
242	1.259138	0.833824	0.833824	0.820362	0.474420	0.678251	2.094093	1.134479
243	1.032425	1.060918	1.060918	0.701465	1.639009	1.420448	1.118361	0.929924
244	1.073638	0.678297	0.678297	1.068812	1.963866	0.131549	1.010712	0.786195
245	0.893859	0.694257	0.694257	0.787726	1.007965	0.276901	0.500536	1.072929
246	0.972694	1.134219	1.134219	0.981720	0.150315	0.872774	2.223221	1.139384
247	1.211502	0.966114	0.966114	1.013119	1.396917	0.250327	2.136956	1.443546
248	0.917575	0.852054	0.852054	0.681158	0.204133	0.430507	0.755408	1.225381
249	0.988970	1.040765	1.040765	1.123994	1.363438	0.782623	0.660867	1.225197
250	0.924115	0.641946	0.641946	0.959484	1.278524	0.171090	0.828815	0.963315
251	1.217027	0.705992	0.705992	0.968839	1.520981	0.328828	3.259699	0.960151
252	0.964609	0.828113	0.828113	0.965881	0.644210	0.837443	0.974943	1.262442
253	1.061423	1.066903	1.066903	1.109391	2.904828	2.924484	0.601436	0.959364
254	0.974503	0.664834	0.664834	1.051626	1.301554	0.556787	1.217163	1.100423
255	1.237997	0.718076	0.718076	0.903446	0.614322	0.228046	0.576913	1.261519
256	1.101656	0.611373	0.611373	1.028428	1.533514	0.618382	1.752037	1.195504
257	1.097392	1.085391	1.085391	0.820852	1.704759	0.379191	0.971854	1.347796
258	1.082182	0.918367	0.918367	0.495584	0.522372	0.424761	0.708784	1.309752
259	1.098563	1.062903	1.062903	1.146462	0.247235	0.790352	0.531997	1.116546
260	0.910350	0.654268	0.654268	0.706811	0.775017	0.830438	0.578989	1.616252
261	1.164337	0.631486	0.631486	0.666705	0.304041	0.329063	1.132317	0.911294
262	0.977525	0.915386	0.915386	1.085877	0.508595	0.737913	0.905752	1.079764
263	1.065905	1.042640	1.042640	0.933716	0.932375	3.325214	2.333085	1.216912
264	0.920801	0.753722	0.753722	0.699427	0.410115	0.498600	0.999648	0.847384
265	0.937178	0.580616	0.580616	1.118846	0.373212	1.476753	0.659214	1.466404
266	1.068661	1.255417	1.255417	0.962933	1.048870	0.183132	1.095677	1.035472
267	0.810250	1.311687	1.311687	1.013406	0.703328	0.436237	1.218184	0.921540
268	0.985867	0.637328	0.637328	0.749889	2.705455	0.433009	0.754582	1.246516
269	1.039970	1.109216	1.109216	1.053728	0.774199	1.639287	1.151201	1.088587
270	0.874370	1.245779	1.245779	0.901551	0.493258	1.818181	1.528836	1.320013
271	0.937700	0.835821	0.835821	0.811381	0.907952	1.936644	0.613004	1.469757
272	0.912596	1.023730	1.023730	0.636256	0.172059	2.415926	1.311327	1.552978
273	0.932042	0.765347	0.765347	0.943381	0.362867	1.392630	0.776209	0.907326
274	0.779992	1.010067	1.010067	1.068201	0.774745	1.384009	1.297988	0.892313
275	1.051863	0.954389	0.954389	0.858518	1.072257	0.147704	0.568406	1.397919
276	1.021804	0.903353	0.903353	0.945375	0.696364	0.593021	0.571842	1.173093
277	1.135031	0.722901	0.722901	0.926467	1.213466	0.482055	2.339600	1.267135
278	1.061914	1.170785	1.170785	0.712093	0.576111	0.132030	1.248899	1.439927
279	0.983865	1.176992	1.176992	1.035661	0.479430	0.820250	1.324819	1.588810
280	0.839591	1.039168	1.039168	0.783732	3.008429	0.136429	1.291537	1.253986
281	0.935193	0.932767	0.932767	1.057003	0.513779	1.741935	0.649393	1.279410
282	1.027103	1.052425	1.052425	0.730340	0.615103	0.504702	0.812282	1.329170

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
283	1.017567	0.659636	0.659636	0.695709	0.521544	0.369185	0.579113	1.042550
284	1.200311	0.439070	0.439070	0.844737	0.959079	0.293103	1.168592	0.983473
285	1.217304	0.994951	0.994951	0.970197	0.565637	1.484021	0.967294	0.812783
286	0.984555	1.119272	1.119272	0.535331	0.814414	0.140437	1.427714	1.283488
287	1.249902	0.801504	0.801504	1.064949	2.039891	1.373949	3.759914	1.619522
288	1.003260	0.886226	0.886226	0.950360	0.652994	0.744569	3.532370	1.173912
289	1.018338	1.066729	1.066729	0.822578	0.285209	1.224014	5.810773	1.011197
290	0.938475	0.842068	0.842068	0.306449	0.247717	0.799427	0.982431	0.812717
291	0.963683	0.955294	0.955294	0.918697	2.914493	0.791068	0.617208	1.390389
292	0.960387	1.273727	1.273727	1.050626	2.061221	1.069531	1.019695	1.150170
293	1.046720	1.226891	1.226891	1.038143	0.409116	0.532895	0.824475	1.588914
294	0.999628	1.056141	1.056141	0.591008	0.989372	0.854687	3.929371	0.944021
295	1.020937	1.142993	1.142993	0.546351	0.528087	0.441537	0.815807	1.534194
296	0.912207	1.035345	1.035345	0.905369	0.619127	0.396754	0.686228	1.146399
297	1.063014	1.245115	1.245115	0.847834	0.236501	4.856036	1.125504	1.713939
298	0.828745	1.181889	1.181889	0.803559	0.972077	0.326797	0.725090	0.857467
299	0.969699	1.104954	1.104954	0.577674	0.436431	0.469397	2.771898	1.071796
300	1.016344	1.293328	1.293328	1.003075	2.869095	0.487523	3.433709	0.838660
301	0.969012	0.812313	0.812313	1.029246	0.618568	2.136079	0.548137	1.195171
302	1.088330	0.947149	0.947149	0.823638	0.412974	0.474919	1.959517	1.260505
303	0.844218	0.711884	0.711884	0.873645	0.508713	1.245854	1.881384	1.469255
304	1.072512	0.330833	0.330833	0.927149	1.046960	0.237377	2.218465	1.026513
305	0.991072	0.618886	0.618886	0.756043	0.554794	0.182703	0.704456	1.565266
306	0.880329	1.293283	1.293283	1.012440	2.009585	0.445194	0.966264	1.506025
307	1.220901	1.352566	1.352566	0.930560	2.968233	1.093114	1.276684	1.424081
308	1.101529	0.967010	0.967010	0.780733	0.583722	0.171049	2.817005	1.140886
309	0.964159	1.280449	1.280449	0.688635	0.638543	0.939163	1.303180	1.113301
310	1.003190	0.924131	0.924131	0.728499	2.054054	0.473736	0.555654	1.169011
311	1.053228	0.825807	0.825807	0.876230	0.889474	0.327409	0.576165	0.936863
312	0.988135	0.746984	0.746984	0.557663	0.231809	0.891416	1.530488	1.171760
313	0.996181	0.786023	0.786023	0.950898	0.588363	1.582303	3.255952	1.168074
314	0.891641	1.233262	1.233262	1.054048	0.969517	0.087572	0.569862	1.094879
315	0.971755	1.047701	1.047701	0.959457	1.545770	1.612705	1.644464	0.897406
316	1.302231	1.013489	1.013489	0.958565	1.938141	0.536282	0.737806	1.005342
317	1.115389	1.407969	1.407969	0.921448	0.502075	0.151233	2.250097	1.335963
318	0.930843	0.799921	0.799921	1.103743	0.237248	2.228867	0.617044	1.113657
319	0.816404	1.062448	1.062448	1.060585	1.032381	0.594306	1.892781	1.034606
320	0.972663	0.934960	0.934960	0.431370	0.874240	0.488919	0.667059	1.573094
321	0.935800	1.373709	1.373709	0.442495	0.636235	0.713677	0.925925	0.921443
322	0.908747	1.067956	1.067956	0.978689	0.255707	0.570812	1.686449	1.202047
323	1.072261	1.087938	1.087938	1.067269	0.542619	0.352628	0.655472	1.337813
324	0.898485	0.894123	0.894123	1.033407	0.996194	0.520307	0.800059	0.862063
325	0.887744	0.879089	0.879089	1.028903	0.429746	0.773469	2.070470	1.049476
326	0.999394	0.755595	0.755595	1.038461	1.102042	0.407966	0.523782	1.447066
327	0.883493	0.971550	0.971550	0.754428	0.785889	0.282503	1.143465	1.363972
328	0.975476	1.358352	1.358352	0.629931	1.298432	0.429166	1.451924	1.408918
329	1.132500	1.220274	1.220274	0.294656	0.567793	1.094477	2.008952	1.170586
330	0.987209	0.929505	0.929505	0.952217	0.493952	0.653100	2.556787	1.146238
331	0.931523	1.227331	1.227331	0.579304	1.347215	0.468855	1.154659	0.989679
332	1.047681	0.805689	0.805689	0.755039	0.366894	1.948492	2.284892	0.893333
333	1.105037	0.787892	0.787892	0.501712	0.200473	0.688661	2.412323	1.107555
334	0.852863	0.673536	0.673536	0.879974	0.398851	0.106300	0.932554	1.276599
335	1.021365	1.124611	1.124611	1.121550	1.603054	1.283614	2.424536	1.128678
336	0.915714	0.947595	0.947595	0.988066	1.641653	0.700725	0.820678	1.459618
337	0.995565	1.150579	1.150579	1.105115	0.334339	1.039612	0.832224	0.907076
338	0.952027	1.033929	1.033929	1.058410	0.322601	2.434094	0.966573	0.788535
339	1.049550	1.067969	1.067969	1.142079	0.139981	3.688063	0.521778	1.076286

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
340	1.030684	0.898171	0.898171	1.035502	1.324006	0.199167	1.096446	1.266650
341	0.997712	0.868515	0.868515	0.845322	0.905528	0.193319	1.348762	1.483493
342	0.787940	0.873382	0.873382	0.897993	1.582356	0.250544	0.509874	0.904297
343	0.961381	0.737712	0.737712	0.907799	0.632528	0.610831	1.417152	1.012998
344	1.075680	0.818518	0.818518	0.741794	0.574299	0.169227	1.122144	1.332516
345	1.165858	1.078822	1.078822	1.099377	0.452345	1.218927	1.164626	1.145191
346	1.100512	1.018262	1.018262	0.697656	1.606935	0.237031	1.086388	0.931367
347	1.261113	1.207996	1.207996	0.476150	0.578454	0.341482	3.696432	1.228017
348	0.925957	0.735669	0.735669	0.689496	0.829073	0.718242	1.204374	1.268632
349	0.957407	1.330198	1.330198	0.977763	0.441223	1.832319	0.905679	1.110705
350	1.058259	1.014792	1.014792	1.058725	0.835771	0.426008	0.554309	0.944006
351	0.936407	1.101913	1.101913	1.048873	0.342257	0.686929	1.946041	1.468795
352	1.214158	1.029739	1.029739	0.554948	0.605249	0.346930	1.135505	1.113086
353	0.784605	1.198068	1.198068	0.870558	0.957114	0.229547	0.546026	1.103496
354	1.054606	1.077724	1.077724	0.828639	0.753633	3.911533	0.795235	1.379173
355	0.958710	0.775962	0.775962	0.800223	1.185223	0.697478	0.637371	1.032549
356	1.038599	1.330200	1.330200	1.083283	2.060445	0.341699	0.733611	1.114206
357	0.820024	0.913303	0.913303	0.987550	1.103521	0.533382	1.361386	1.002926
358	1.116529	0.984111	0.984111	1.133599	0.728239	0.299650	1.725855	1.023141
359	1.041827	0.921037	0.921037	1.101649	0.821111	0.758543	0.522829	1.115662
360	1.107805	0.872945	0.872945	0.796872	0.401376	1.977742	1.825516	1.009751
361	0.978271	0.876816	0.876816	1.132137	0.816284	2.159609	1.350408	1.157189
362	1.090027	1.159798	1.159798	0.724377	0.239092	0.570557	2.802354	0.957208
363	0.912185	1.012644	1.012644	0.477890	1.381756	0.317534	0.656122	1.036349
364	1.154624	0.824691	0.824691	1.097672	0.864659	1.342756	1.934238	1.088086
365	1.027101	0.895842	0.895842	0.994405	1.193700	0.310624	1.799294	1.078019
366	1.043564	0.888927	0.888927	0.579881	1.213778	3.162342	5.377393	1.109123
367	1.044634	1.375632	1.375632	0.782112	0.302338	0.207706	0.533570	0.844021
368	0.871279	0.982394	0.982394	0.746062	0.135820	0.466675	5.295813	0.896736
369	1.072397	0.870483	0.870483	0.641011	2.261280	5.016782	4.295418	1.107201
370	0.747354	0.945945	0.945945	0.800185	0.568753	0.899614	1.306049	1.159792
371	0.935361	0.891484	0.891484	0.991053	0.397082	1.379595	2.375638	1.024224
372	1.000318	1.112438	1.112438	0.932721	0.439431	0.721901	2.622679	1.317254
373	0.917790	1.029018	1.029018	1.019662	0.600047	0.361631	3.437767	0.999197
374	1.078760	0.658405	0.658405	0.536406	2.246910	0.718190	3.149940	1.560591
375	1.100665	0.842563	0.842563	1.109848	0.639867	0.718482	2.667479	1.464925
376	0.940645	0.797200	0.797200	0.772511	0.671255	0.198894	1.268171	1.031660
377	1.035417	1.122330	1.122330	0.784229	0.208552	1.949707	1.068812	1.041458
378	0.911192	1.408150	1.408150	0.939713	0.868721	1.923877	0.564758	1.305606
379	0.997404	0.909800	0.909800	0.912388	0.844194	3.118018	0.600280	1.580666
380	1.141749	0.911888	0.911888	0.682882	0.323181	0.381003	0.902182	1.246880
381	0.969917	0.716761	0.716761	0.791346	0.222230	0.649832	3.570591	1.110124
382	1.126985	0.775673	0.775673	1.143311	1.025779	0.416927	2.172698	0.856394
383	0.874503	0.694873	0.694873	0.453063	0.286996	1.026667	1.092597	0.903550
384	1.010169	1.324889	1.324889	0.939611	0.220830	0.149162	0.539721	1.216083
385	1.142794	1.000869	1.000869	0.732426	0.240945	1.973116	1.311333	1.185381
386	1.157052	1.121709	1.121709	0.984222	1.491550	0.222351	2.934471	0.978027
387	1.031010	1.015863	1.015863	1.123473	0.702838	1.152280	2.811689	1.083750
388	0.901149	0.959863	0.959863	0.615142	0.305980	1.751793	1.165716	0.928108
389	1.033112	0.992382	0.992382	0.761812	0.397656	0.987251	2.675809	1.016255
390	0.952212	0.772609	0.772609	1.108871	1.530675	1.090296	2.041264	0.977469
391	1.078681	1.247378	1.247378	0.931227	0.195363	0.221325	1.844940	0.990168
392	0.992322	0.552671	0.552671	0.957898	0.152724	0.385808	3.265836	0.971588
393	0.920554	1.234050	1.234050	0.706607	0.325337	0.751626	1.502355	1.052599
394	1.087972	0.915826	0.915826	0.476409	0.306938	1.530366	0.552420	1.360975
395	1.088464	0.926465	0.926465	1.034669	0.644750	0.601263	1.728366	1.310355
396	0.891660	1.046676	1.046676	0.918481	0.561103	0.284431	0.880481	1.098459

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
397	0.692927	1.020431	1.020431	1.107745	0.312097	1.087234	0.616055	1.430771
398	0.989402	0.982040	0.982040	0.661176	2.342048	2.876687	0.909632	1.029559
399	0.999645	0.679903	0.679903	0.807438	1.407427	0.988440	0.829436	1.053845
400	0.939860	0.923689	0.923689	1.036715	0.638916	0.768621	3.443461	1.224985
401	1.031860	1.076459	1.076459	0.919869	0.503393	0.390798	1.137344	1.169546
402	0.872588	1.050106	1.050106	1.077308	1.891365	1.063782	5.391058	1.438522
403	1.034414	0.947491	0.947491	1.106717	0.835938	0.707252	0.649252	1.129820
404	0.891420	1.005580	1.005580	0.580156	0.396510	0.200535	0.523290	1.068841
405	0.975249	0.752363	0.752363	0.695990	1.612982	0.987002	0.794858	1.072791
406	1.139722	0.636787	0.636787	1.019587	0.395003	0.278630	1.022013	1.436719
407	0.912501	0.731807	0.731807	0.560846	0.883216	0.806823	1.619838	1.562077
408	1.113560	1.299545	1.299545	1.020690	1.968704	0.657152	2.493038	1.115731
409	1.102999	0.674622	0.674622	1.112233	1.768232	0.300923	1.975272	1.371454
410	1.062122	0.837049	0.837049	0.616929	0.646343	1.666688	1.025256	0.928583
411	1.096781	1.025619	1.025619	1.111635	1.071834	0.323583	3.175586	1.299610
412	0.980331	0.953158	0.953158	0.973087	0.579312	0.558694	1.712598	1.615776
413	1.019722	0.827438	0.827438	0.969667	0.840275	0.601754	1.378366	1.081111
414	1.006132	1.024769	1.024769	0.569372	1.361663	0.929243	1.282895	1.579830
415	0.965769	0.986085	0.986085	0.588887	0.144288	3.187769	2.000065	0.981200
416	0.817129	1.000312	1.000312	0.708210	2.222514	0.416112	0.972931	0.959009
417	1.153175	0.481970	0.481970	1.121810	0.433024	0.834131	0.856727	1.074042
418	1.003567	1.391045	1.391045	1.021633	0.690070	0.088726	1.003252	1.065393
419	1.049895	1.439172	1.439172	1.136097	0.621199	0.136486	0.565961	1.140552
420	1.087177	1.044961	1.044961	0.905435	0.518666	0.495911	2.291758	1.209245
421	1.149901	0.914018	0.914018	1.038002	0.856160	0.770887	0.684340	0.948866
422	1.198847	1.212900	1.212900	0.599449	0.533417	1.775052	0.912657	1.211181
423	0.949683	0.626113	0.626113	0.751356	1.004460	0.146032	1.753116	1.334246
424	0.831468	0.904260	0.904260	0.860183	1.049874	0.149129	0.915952	1.258475
425	0.904660	0.902365	0.902365	0.791729	0.271963	3.187057	3.653539	0.801308
426	1.135248	0.679277	0.679277	1.028763	0.546586	0.922806	0.696838	1.390813
427	1.100382	0.927413	0.927413	0.635541	0.472645	0.173210	0.621839	1.089224
428	0.891036	1.094087	1.094087	0.777830	0.574785	0.582545	1.630897	1.426914
429	1.047201	0.905507	0.905507	0.580217	0.143938	0.745509	1.811288	1.539722
430	1.069346	1.055350	1.055350	1.004200	0.824145	1.130740	3.582236	1.152241
431	0.964427	0.957262	0.957262	0.919805	0.414421	2.205417	0.553396	1.165384
432	1.017370	0.620370	0.620370	0.744051	0.692115	2.043213	2.134840	1.357558
433	1.052211	0.865193	0.865193	0.792458	0.234678	0.411923	1.229803	1.058265
434	1.108554	1.287653	1.287653	0.557905	1.944884	1.561556	0.848980	1.118606
435	0.916801	0.696807	0.696807	1.141270	0.682157	1.752389	3.153398	0.874462
436	0.959342	0.681706	0.681706	1.112162	0.306602	0.141200	0.587648	1.480214
437	1.064225	0.875411	0.875411	1.078587	0.251429	0.361902	1.461474	1.226788
438	0.997595	0.726532	0.726532	1.103310	0.572506	0.481228	1.835296	1.210372
439	0.789277	0.702557	0.702557	0.982793	0.345856	1.241245	0.721557	1.492002
440	1.113346	1.307198	1.307198	0.679677	0.275085	1.381144	0.695111	1.527809
441	0.991867	0.959274	0.959274	0.609098	0.969136	0.200617	0.514250	1.362841
442	0.943183	1.113555	1.113555	0.630160	1.057445	0.337384	0.810661	1.047217
443	0.888834	0.498028	0.498028	1.011545	0.424124	1.079097	0.867433	1.616089
444	1.155540	0.543794	0.543794	0.969362	0.813428	0.239356	1.111485	1.227317
445	1.007722	0.864745	0.864745	0.631418	0.447429	0.606676	1.541723	1.426545
446	0.881009	1.441167	1.441167	0.777426	1.058806	1.200191	0.604495	1.054091
447	1.184346	1.095025	1.095025	0.946686	0.137383	0.768896	2.538739	1.329988
448	1.079780	1.020655	1.020655	0.580732	0.178607	1.013663	1.797132	1.520614
449	0.983272	0.797885	0.797885	1.044077	0.956373	0.887530	0.722078	1.192438
450	0.940956	1.059273	1.059273	1.142609	0.913952	0.321339	1.200661	1.288198
451	0.939365	1.158180	1.158180	0.808755	0.250777	1.591031	0.780490	1.030135
452	0.959995	0.580090	0.580090	0.818453	0.451771	0.959489	2.934963	1.035333
453	0.913493	1.189684	1.189684	1.120161	0.337476	3.843029	2.344652	1.208065

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
454	0.942182	1.234379	1.234379	1.148392	0.293227	1.474208	1.545632	1.693387
455	0.897015	0.781869	0.781869	0.774587	0.633498	0.726138	0.957375	1.582209
456	1.213860	0.703990	0.703990	0.813880	0.165673	0.250081	4.400329	0.917558
457	1.119324	1.394797	1.394797	0.772559	2.831234	1.022923	0.829242	0.895252
458	0.912272	0.741109	0.741109	0.664708	0.842163	0.271721	1.660222	0.889264
459	0.980559	0.922001	0.922001	0.513356	2.335426	0.146589	1.759481	1.660922
460	0.841803	0.444703	0.444703	1.051710	1.127334	1.436716	1.036115	0.791664
461	0.969868	0.773576	0.773576	0.214319	0.617664	0.984341	1.494370	1.283251
462	1.003066	0.897094	0.897094	0.705296	1.186764	0.996876	0.550100	1.590793
463	1.044237	1.330791	1.330791	1.125736	0.953247	0.851122	5.946601	0.998584
464	1.105095	1.214571	1.214571	0.994427	0.446741	1.373368	4.117544	1.200369
465	0.802970	1.115833	1.115833	0.950310	0.706375	0.609689	0.897210	1.365871
466	1.146451	1.060061	1.060061	0.910469	0.468610	0.364573	0.542669	1.401603
467	1.004169	0.839990	0.839990	0.871101	0.753329	1.266550	0.762811	0.779001
468	1.066948	0.763718	0.763718	0.681057	1.127187	0.819257	1.438659	0.890106
469	1.048815	1.088983	1.088983	0.934094	0.954494	0.535542	1.886743	1.048004
470	1.033140	1.194405	1.194405	0.896795	0.249626	3.877861	1.206349	1.124535
471	1.036391	0.912620	0.912620	1.030004	0.178135	0.546423	1.613776	1.472450
472	1.075659	1.274161	1.274161	0.520752	0.341917	0.793431	0.812796	0.900281
473	0.765052	1.179549	1.179549	0.386134	1.438179	0.607470	0.675937	1.306005
474	0.939138	0.818776	0.818776	0.352864	0.579366	0.343912	3.086855	1.633868
475	1.023541	0.947854	0.947854	1.050105	0.454421	0.432823	0.899999	1.627637
476	0.859142	1.212260	1.212260	0.935528	0.459231	1.111133	1.957169	1.035712
477	1.070092	0.753779	0.753779	0.874717	2.060492	0.158094	0.548952	1.241393
478	1.164342	1.257575	1.257575	0.598102	0.248029	0.940881	1.209599	1.041699
479	0.798861	0.674626	0.674626	1.120409	2.666215	0.118161	0.511644	0.957800
480	0.937771	0.420886	0.420886	0.961801	0.260362	2.013162	2.321764	1.443839
481	1.109121	0.554530	0.554530	0.650547	1.804347	0.565242	0.742503	0.917061
482	0.849727	0.902377	0.902377	0.930735	0.956632	0.521860	1.321561	1.145884
483	1.025765	0.986272	0.986272	0.711864	3.279430	0.589166	0.540632	1.239515
484	1.217088	0.706148	0.706148	0.947980	0.144128	0.826365	2.676212	1.518081
485	1.106152	1.033358	1.033358	0.935155	1.118832	0.415427	2.353438	1.348069
486	1.014734	1.380011	1.380011	1.026204	1.236059	0.711669	0.860495	1.050306
487	0.854181	1.302605	1.302605	0.968428	0.712382	0.369643	0.652678	0.927074
488	1.151369	1.074071	1.074071	0.664598	1.378546	0.613062	0.671214	0.932254
489	0.919590	0.753664	0.753664	1.062305	0.569689	3.685491	2.829055	1.116507
490	0.977372	1.228897	1.228897	0.996774	2.179664	0.246282	0.551627	1.007267
491	0.978627	0.622971	0.622971	0.934172	1.753223	1.166549	1.442293	1.028996
492	0.884100	0.865066	0.865066	0.947411	0.265008	0.445924	0.727642	0.994721
493	0.969746	0.770149	0.770149	0.716961	0.563500	0.175125	1.940860	1.024064
494	0.925974	1.118249	1.118249	0.773249	0.597236	0.386949	0.631875	1.096143
495	1.025661	1.314067	1.314067	0.893701	1.315234	0.719318	1.241650	1.238191
496	1.055055	0.824805	0.824805	0.915094	0.483832	0.288856	1.584999	1.162316
497	1.015698	1.036003	1.036003	0.985155	0.282331	0.780307	3.391862	0.988691
498	1.022803	1.097819	1.097819	0.948822	0.372919	2.686471	5.737721	1.479619
499	0.838940	0.867418	0.867418	0.884461	1.132262	0.504962	3.098464	1.040639
500	1.156945	1.285465	1.285465	0.989011	1.717695	0.792445	0.509429	1.029350
501	0.884265	0.968854	0.968854	1.127255	0.474971	0.517055	1.152315	1.494307
502	0.958759	1.099811	1.099811	1.096845	0.494431	2.048041	0.659726	0.821033
503	1.149487	0.741532	0.741532	0.774796	0.237005	0.518316	1.106973	1.445621
504	1.132697	0.901378	0.901378	0.692278	0.803677	1.942440	0.586921	1.092158
505	0.923293	1.019186	1.019186	0.991936	0.876351	0.678196	0.717847	1.214301
506	0.944918	1.136953	1.136953	0.760511	0.305114	0.423200	0.553474	0.864885
507	0.896296	0.840678	0.840678	0.984412	1.080572	0.223459	2.040410	1.231647
508	1.144999	0.869071	0.869071	0.983643	0.300261	0.717122	0.911757	1.300407
509	0.894819	1.203404	1.203404	0.572302	3.079265	0.586524	1.022191	1.113737
510	0.911515	0.955146	0.955146	0.848605	1.476675	0.623299	1.121514	1.460082

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
511	0.956790	1.229443	1.229443	0.871760	1.500597	1.244494	0.730565	1.197683
512	1.041331	1.094070	1.094070	0.858388	0.253986	0.626578	2.288200	0.995325
513	0.940689	0.740108	0.740108	1.012807	0.433454	3.318231	1.084880	1.051627
514	1.064637	0.956821	0.956821	0.822644	0.410885	0.697547	2.766333	1.414248
515	0.897300	1.043983	1.043983	0.844640	0.856389	0.530197	1.091524	0.926999
516	0.897764	1.069775	1.069775	0.894875	0.469446	0.706229	2.495422	1.351701
517	0.966142	1.254995	1.254995	0.942874	0.588438	1.598162	3.427668	1.410546
518	1.086683	1.184143	1.184143	1.105548	0.130723	1.929468	0.548297	1.357251
519	1.004432	0.971114	0.971114	0.453303	2.760642	0.124208	0.559819	1.148953
520	0.999525	0.857861	0.857861	0.665470	1.197192	0.472713	3.965572	1.254709
521	0.835897	1.065818	1.065818	0.365523	1.425725	1.249093	0.746766	0.901748
522	1.158881	0.915208	0.915208	0.654285	0.269410	1.809981	1.263431	1.355631
523	1.042190	0.672273	0.672273	0.553263	1.153224	0.716786	0.907345	1.150271
524	0.952190	1.309343	1.309343	0.961969	0.445098	0.118368	1.351828	1.156414
525	0.927164	0.748730	0.748730	0.613958	3.150977	0.344783	5.884812	1.137460
526	1.041391	1.248093	1.248093	0.885676	0.362955	4.022681	3.873338	1.044183
527	1.107925	0.895579	0.895579	0.912904	1.362199	0.169853	0.626902	1.606162
528	0.996775	0.842655	0.842655	0.749495	0.508380	0.618096	1.255445	1.192387
529	1.061550	1.041078	1.041078	0.694394	0.510788	3.093436	0.836909	1.330981
530	1.058262	0.760955	0.760955	0.809166	1.075009	0.450196	0.645659	0.946776
531	1.081756	0.723889	0.723889	1.089306	0.588541	0.216755	1.042615	1.560951
532	0.888121	1.285572	1.285572	0.706879	0.349151	0.856128	0.667908	1.028992
533	1.070291	0.653946	0.653946	0.717724	0.471634	2.037882	1.298542	1.081622
534	0.917553	0.579485	0.579485	0.872298	0.800646	0.443650	2.516360	0.985884
535	1.217248	0.578776	0.578776	0.995404	0.452193	1.618351	1.117309	1.291923
536	0.933826	1.211986	1.211986	0.701088	2.941222	1.063075	0.557357	1.638834
537	1.220438	0.536719	0.536719	0.617502	1.010307	0.559158	1.326228	1.078542
538	0.937004	1.158315	1.158315	0.258514	0.417906	2.166901	1.333797	0.960587
539	0.922327	0.818223	0.818223	1.000298	0.140959	0.269657	2.053245	1.049741
540	0.934319	0.887760	0.887760	0.886003	0.606489	0.081813	1.543397	0.979428
541	1.009059	1.172710	1.172710	1.052910	1.611582	0.533996	0.573588	0.838528
542	0.971687	1.197339	1.197339	1.047522	0.310405	0.349046	0.736397	1.342211
543	0.909186	0.929528	0.929528	0.762739	0.200177	0.108951	0.590443	1.113379
544	1.119702	0.899482	0.899482	0.651883	0.940098	0.273982	0.895440	1.158961
545	0.844775	1.306435	1.306435	0.877721	0.988910	0.848861	0.571020	1.068289
546	0.956049	0.666771	0.666771	1.061233	2.008876	0.827496	0.712989	1.254558
547	0.790565	1.035547	1.035547	1.058147	1.157001	0.536364	0.644109	1.278800
548	0.918718	0.871988	0.871988	0.874818	1.425404	0.347240	0.551383	1.204022
549	1.033471	1.364212	1.364212	1.112915	0.185228	0.437027	1.429978	0.881786
550	1.118958	0.874093	0.874093	0.650500	1.384141	1.756080	1.776788	1.251008
551	0.998684	1.011067	1.011067	0.606122	0.109262	0.752930	0.763571	1.350925
552	1.114107	0.973425	0.973425	0.780843	1.036611	0.240667	0.779900	1.372488
553	0.991579	1.034236	1.034236	0.945068	2.639838	0.901368	0.729219	1.407453
554	1.121394	1.200687	1.200687	0.996129	1.366646	0.949271	0.607975	1.153970
555	0.927500	1.117761	1.117761	0.972893	0.795527	0.796504	0.510467	0.999077
556	0.873267	1.238652	1.238652	0.625932	1.262385	0.114486	0.977795	0.920961
557	1.005348	0.775208	0.775208	1.018853	0.290584	0.502013	3.099855	1.107091
558	0.975580	1.100407	1.100407	0.749355	1.419682	0.705505	2.472953	0.824770
559	0.817077	1.317555	1.317555	0.920338	0.665060	0.095381	0.516301	0.854059
560	0.891879	0.759354	0.759354	0.903177	0.649610	0.757840	0.598666	1.269357
561	1.014092	0.974268	0.974268	0.941335	0.346956	0.601453	0.996079	0.883873
562	0.899615	1.337594	1.337594	0.664705	1.133351	0.449163	1.705443	0.847165
563	0.882442	0.834803	0.834803	0.644349	0.615354	0.935799	0.561639	1.389266
564	1.114903	0.855510	0.855510	0.909884	0.487672	0.738233	1.573186	0.900561
565	1.099243	0.837341	0.837341	0.952039	0.323493	0.108984	2.714330	1.443837
566	0.950979	1.096309	1.096309	1.019603	0.226046	2.109712	2.483367	1.589062
567	1.143094	0.793531	0.793531	0.767301	1.542476	0.330646	4.056519	1.105263

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
568	0.990979	0.305549	0.305549	1.069801	0.794761	0.618583	0.524882	1.072672
569	0.983303	0.835680	0.835680	1.106971	0.435756	0.388618	0.627789	1.553076
570	1.001539	1.103840	1.103840	1.023020	0.266927	1.302543	3.390226	1.622309
571	0.850564	1.160610	1.160610	1.108503	0.313809	0.572903	0.574055	1.581150
572	1.124394	0.938010	0.938010	0.919308	1.303245	0.254395	2.704939	0.996948
573	0.893252	0.731091	0.731091	0.772753	0.573632	0.456281	3.978487	1.050304
574	0.874167	0.813978	0.813978	0.492405	0.332841	1.112549	1.241787	0.986902
575	1.076119	0.993822	0.993822	0.638360	0.417215	0.134061	0.757620	1.199808
576	0.933044	0.908830	0.908830	0.512881	0.361681	0.847242	5.808120	1.110531
577	1.079449	0.974852	0.974852	0.760017	0.330303	0.856351	2.456941	1.176638
578	0.894132	0.902556	0.902556	0.978119	0.569472	0.338028	0.528035	1.104118
579	0.992402	0.932713	0.932713	1.024066	0.903758	0.282854	1.572370	1.004935
580	0.880739	1.047521	1.047521	0.879051	0.180664	1.332191	1.475617	1.373267
581	1.011806	1.392935	1.392935	0.896106	0.150931	0.122285	0.567190	1.077881
582	1.104606	1.194494	1.194494	0.960158	0.551612	0.911258	0.544675	0.974332
583	0.993329	0.872632	0.872632	0.747443	0.274652	0.294274	1.257104	1.527986
584	1.140539	0.729797	0.729797	1.095681	0.760625	0.780902	1.165396	1.396893
585	1.185115	1.045599	1.045599	0.800550	1.500522	0.632181	0.545414	1.324017
586	1.058481	0.611971	0.611971	1.098807	1.265021	0.640800	2.033212	1.389076
587	0.823232	1.039296	1.039296	1.027264	0.920759	1.365457	4.646077	1.279596
588	0.854385	0.533733	0.533733	0.941918	0.103155	0.406889	0.559000	1.166628
589	1.049320	1.140251	1.140251	0.934212	0.468596	0.404676	0.508328	1.064839
590	0.872706	0.769959	0.769959	0.587852	0.536742	0.427448	0.980603	1.286599
591	1.015733	1.422869	1.422869	0.819864	0.376758	0.666976	3.778338	0.974140
592	0.887819	0.817282	0.817282	1.048789	0.514893	0.678723	3.600640	0.962468
593	0.865189	1.123236	1.123236	0.867510	1.107954	0.278670	1.056547	1.574904
594	0.984949	0.855244	0.855244	1.088673	0.456463	2.669535	5.826267	1.363509
595	1.090899	0.858851	0.858851	0.877995	1.180808	0.707119	1.293547	1.172855
596	1.138207	1.293554	1.293554	0.670213	0.701422	0.105753	0.623647	1.155151
597	0.960486	0.857053	0.857053	0.892351	0.676456	2.394626	0.789174	1.167671
598	1.012441	0.994092	0.994092	0.637431	0.275742	1.005420	0.544744	0.911326
599	0.988956	1.157228	1.157228	0.654921	0.649021	0.386469	3.000214	1.323155
600	1.014173	1.060468	1.060468	0.634049	0.777063	3.374229	0.783106	0.981993
601	1.091634	1.414872	1.414872	1.099275	0.420564	0.442021	1.110797	1.560394
602	0.999458	1.149547	1.149547	1.142130	0.800220	2.956458	1.019915	0.824946
603	1.167915	0.334459	0.334459	0.620025	0.907177	1.284515	0.682728	1.432308
604	0.820398	1.360856	1.360856	0.563633	1.113081	0.761983	2.542735	0.969268
605	0.895670	0.694969	0.694969	0.711617	0.810040	0.532089	0.550806	1.088223
606	0.941546	1.009751	1.009751	1.031322	3.103751	0.990646	1.204271	1.002722
607	1.109315	1.099821	1.099821	0.594519	2.371144	0.388207	0.672239	0.973629
608	1.032357	0.641854	0.641854	1.025294	0.612896	0.240819	1.332190	1.367886
609	0.958363	1.017719	1.017719	0.632962	0.958275	0.320274	2.098621	0.939046
610	0.930905	1.124526	1.124526	0.790646	1.123755	0.426329	0.890778	1.047539
611	1.072458	0.944146	0.944146	0.657210	0.771526	0.445716	1.050875	1.583432
612	0.966959	1.031502	1.031502	0.908401	0.184401	2.058595	0.504861	1.297379
613	1.137159	1.379444	1.379444	0.992400	0.757677	0.384046	0.619064	1.188765
614	0.837596	0.921349	0.921349	0.957386	0.693983	0.357210	1.495687	0.896228
615	1.049454	1.100001	1.100001	0.547693	0.385311	0.827713	1.820975	1.238892
616	0.951334	0.951158	0.951158	0.761498	1.124920	0.901500	1.725671	0.951530
617	1.054134	1.166136	1.166136	0.911489	0.595118	0.837618	1.722796	1.137104
618	0.886803	0.858266	0.858266	0.793100	0.975673	1.409768	1.160778	1.419332
619	0.910008	1.389527	1.389527	0.689354	0.769590	0.465140	0.650821	1.016932
620	1.180680	1.097997	1.097997	0.851940	1.121309	0.312516	0.758805	1.438853
621	1.036013	1.428314	1.428314	0.740397	1.186307	0.716776	1.360665	1.116985
622	1.022022	0.546797	0.546797	0.510717	0.322100	0.153044	1.777249	1.004065
623	1.083146	1.261271	1.261271	0.917856	0.401417	1.059987	0.813417	0.802987
624	1.064311	1.004736	1.004736	0.690170	0.538701	1.352346	0.519174	1.180906

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
625	0.838433	1.289253	1.289253	0.993857	0.126494	1.618891	3.827004	1.219258
626	0.999019	1.030491	1.030491	1.069184	0.799764	0.399431	1.202983	1.020739
627	0.875507	1.010676	1.010676	1.075398	1.206547	1.185671	0.723959	1.071931
628	1.221707	0.772645	0.772645	0.793134	2.588695	1.296476	0.777669	0.972947
629	1.116908	0.819542	0.819542	1.116154	2.239520	0.146825	0.839651	0.834453
630	1.126367	1.057562	1.057562	0.681038	2.316026	0.271359	1.011187	0.963024
631	0.966281	0.757114	0.757114	0.497491	0.503900	3.259129	0.564243	0.950299
632	0.985447	0.668977	0.668977	1.048466	0.411596	0.733452	1.807652	1.213700
633	1.037653	1.412689	1.412689	0.687977	0.308262	1.320222	0.607251	0.829386
634	1.015790	0.899916	0.899916	0.849225	1.971509	0.804595	0.962616	1.244692
635	0.914126	1.410450	1.410450	0.849911	1.091874	0.621816	0.838130	1.164023
636	1.023661	0.902692	0.902692	1.043181	1.086201	0.343736	1.111395	1.085403
637	1.018200	0.899671	0.899671	0.969688	0.660937	2.202443	4.233615	1.080488
638	1.158813	0.980351	0.980351	0.584299	0.813235	0.696426	0.565464	1.186937
639	0.874446	0.736178	0.736178	0.384002	0.523897	0.477907	0.608373	0.873589
640	1.087639	0.758780	0.758780	0.694203	0.268360	0.910698	3.631193	1.042405
641	0.937482	1.057080	1.057080	0.955100	0.145626	6.031125	0.527257	1.364835
642	0.997172	1.175930	1.175930	1.004955	1.194444	0.334103	0.607113	0.962162
643	0.976420	1.086665	1.086665	0.908157	0.500694	2.508413	1.043846	1.062392
644	0.942781	0.851550	0.851550	0.863213	0.225902	0.334700	1.718756	0.976229
645	0.855649	0.940210	0.940210	0.845337	0.512659	2.925925	0.618921	0.886150
646	1.131723	1.081530	1.081530	0.927023	0.266254	0.135260	3.736001	0.924225
647	1.207514	1.145532	1.145532	0.871213	1.144868	0.429097	0.512581	1.494642
648	1.096867	0.879501	0.879501	0.960612	1.701277	0.760907	0.654050	1.476095
649	0.960477	1.179922	1.179922	0.726300	0.582983	0.213267	1.221934	1.152724
650	1.167561	0.980612	0.980612	0.982003	1.187126	1.784114	3.841173	1.338744
651	0.938104	0.628155	0.628155	1.006432	1.103077	0.766971	2.743166	0.881652
652	1.065334	0.801892	0.801892	0.858354	1.324720	0.424585	5.127524	1.400008
653	0.969234	1.081672	1.081672	1.004534	0.626021	0.209452	1.009625	1.364931
654	1.023467	0.845064	0.845064	0.649336	0.320835	3.481770	1.616544	0.993230
655	1.057163	0.956919	0.956919	0.814459	0.111496	0.842506	1.454880	1.082633
656	0.845448	0.757208	0.757208	0.639744	0.967673	0.399564	0.558821	1.195995
657	0.923196	1.423510	1.423510	0.698722	0.459566	1.231125	1.397357	1.111037
658	1.190313	1.006318	1.006318	0.790741	0.839018	1.050282	0.526849	1.064100
659	1.016871	0.540085	0.540085	0.621737	1.097381	1.311964	0.691065	0.871295
660	1.080365	0.836916	0.836916	0.767577	0.692964	0.671405	0.660179	1.250875
661	1.014524	1.197141	1.197141	0.922144	0.351916	0.208872	0.912465	0.914974
662	1.041652	0.835519	0.835519	0.944615	0.377713	0.270846	1.384690	0.837828
663	1.147039	1.030133	1.030133	1.010889	1.797238	0.338736	1.374525	1.251141
664	1.197824	1.069283	1.069283	1.007305	0.224966	1.014841	2.327991	1.021061
665	1.058701	1.371834	1.371834	0.792041	0.376358	0.812561	0.856918	1.300696
666	0.955814	1.036047	1.036047	1.031222	0.378796	1.060187	0.612400	1.663704
667	0.878814	0.981004	0.981004	0.745739	2.055089	0.106334	1.087799	1.239308
668	0.959893	0.993767	0.993767	0.701013	1.127663	1.755943	0.878847	0.961347
669	1.199303	0.883431	0.883431	1.109436	1.043001	1.081368	0.626209	0.904623
670	1.004785	1.052876	1.052876	0.451228	0.738355	0.584743	0.891733	1.246244
671	1.020891	1.362057	1.362057	0.872024	0.219831	0.932893	2.018831	1.048649
672	1.024514	0.806575	0.806575	0.680798	3.171042	0.182081	2.670164	1.172956
673	1.077071	1.389328	1.389328	1.112025	0.484569	1.241485	0.883419	1.021261
674	1.009710	1.324967	1.324967	0.665963	2.462367	0.359071	2.164105	1.359820
675	0.896269	1.011281	1.011281	0.895573	0.650637	0.520581	0.951903	0.816378
676	1.061084	1.371689	1.371689	0.837129	0.862431	0.622561	0.638967	1.524608
677	0.998926	0.843798	0.843798	1.131088	0.309501	0.978938	0.503036	0.930414
678	0.726390	0.588150	0.588150	0.509013	0.626642	0.662270	2.946812	1.502171
679	0.961451	1.068357	1.068357	0.820904	1.730121	0.603182	5.727349	1.381785
680	0.989642	0.969045	0.969045	1.057072	1.579361	0.426820	0.908082	0.926939
681	1.144469	0.965060	0.965060	0.454278	0.321566	1.121012	1.345282	0.997180

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
682	1.077587	1.070707	1.070707	0.501526	0.459818	0.477840	0.824826	1.325338
683	1.118505	1.241375	1.241375	0.666884	0.615338	0.162037	1.568927	0.956998
684	1.006145	0.672748	0.672748	1.044670	0.503002	0.166433	0.905615	1.007325
685	0.984830	1.255412	1.255412	0.722111	0.688896	1.343387	0.669284	1.261611
686	0.995256	0.923329	0.923329	0.738934	1.736033	1.173824	1.046691	0.994467
687	0.947572	0.731652	0.731652	1.123149	2.945331	0.119439	0.864657	1.417294
688	0.896633	0.675155	0.675155	0.723812	0.412295	1.622861	0.833859	1.303071
689	0.940012	0.645109	0.645109	0.948284	1.284624	0.319687	1.158058	1.598333
690	0.931875	1.185600	1.185600	0.821514	0.395863	1.068364	1.811094	1.229812
691	0.982356	0.835366	0.835366	0.781046	0.302407	1.170192	2.124972	1.175097
692	0.880670	0.927260	0.927260	0.926365	1.040598	1.084737	1.947443	1.182092
693	1.112071	0.790931	0.790931	0.838234	2.509908	0.925797	2.205792	1.183347
694	0.913158	1.118477	1.118477	0.649136	0.368722	1.732795	0.719237	1.391055
695	0.945211	1.085893	1.085893	0.996568	0.145811	1.614025	1.572559	1.202990
696	0.894991	0.574622	0.574622	0.870236	0.132721	0.235153	3.134310	1.046911
697	1.128954	0.591202	0.591202	1.048229	0.679288	0.869252	3.805037	0.836799
698	0.977790	1.373749	1.373749	1.027317	0.530124	2.696752	0.921421	1.094811
699	1.081606	0.773185	0.773185	0.788629	0.400203	0.456718	2.062849	1.141959
700	1.039919	1.158122	1.158122	0.627909	0.383499	0.671998	1.249117	1.014843
701	1.110520	1.042587	1.042587	0.955462	0.538220	0.235943	0.582350	1.084704
702	1.102672	0.776113	0.776113	0.394739	0.353449	1.026495	1.108933	1.400870
703	0.981619	0.998384	0.998384	1.050117	0.742571	0.739671	1.221697	1.308804
704	1.002352	0.571902	0.571902	0.939668	0.991825	0.887817	0.697136	1.166060
705	0.987343	1.126941	1.126941	0.788771	1.145995	1.518200	0.699855	1.221156
706	0.822171	0.995687	0.995687	0.704600	0.339159	2.154503	0.956992	1.253989
707	1.168350	1.071971	1.071971	0.586750	0.358084	0.775918	1.539942	1.334432
708	1.039824	1.175874	1.175874	0.834843	1.512334	1.315194	0.603946	1.490913
709	0.921190	0.921134	0.921134	0.751855	1.520000	0.529703	0.538393	1.187147
710	0.947213	0.584321	0.584321	0.547255	1.696376	2.054583	0.558985	1.284329
711	0.821795	0.927492	0.927492	0.521594	0.864736	1.424074	0.712052	0.822316
712	1.015789	0.618505	0.618505	0.942756	0.185178	1.245860	1.075449	0.862269
713	1.023698	1.137892	1.137892	0.964779	0.365776	0.062468	1.087437	1.466756
714	0.900648	1.328974	1.328974	0.682855	1.601664	1.437179	1.085008	1.057170
715	0.924839	1.100098	1.100098	0.874469	0.513524	0.205032	2.103606	1.250021
716	1.145866	0.863943	0.863943	0.856968	0.737938	0.816634	0.920019	1.210038
717	1.061605	0.726558	0.726558	0.831878	0.486671	0.805430	1.034700	1.032941
718	0.900709	1.122032	1.122032	1.044484	0.325085	2.007941	2.097346	1.266893
719	0.910243	0.960016	0.960016	0.536582	0.440179	2.203620	0.633204	1.023265
720	0.980534	0.901432	0.901432	0.949084	1.445492	0.836436	1.168846	0.974440
721	0.992592	1.364902	1.364902	0.335545	1.156684	1.959193	0.526412	1.010030
722	0.892665	1.033200	1.033200	0.640431	0.540258	0.251084	0.641806	1.208445
723	1.091208	1.285477	1.285477	0.982188	1.248391	1.349609	1.454427	0.963897
724	1.022218	1.440421	1.440421	0.733665	0.299391	0.154668	0.507041	0.942143
725	0.783723	1.158017	1.158017	0.869899	3.096842	0.305556	1.181296	1.062636
726	0.925220	0.860514	0.860514	0.748410	0.299002	1.292999	0.828904	1.008370
727	0.831087	1.007811	1.007811	0.965982	0.383180	0.184042	0.717680	0.924951
728	0.832020	1.191087	1.191087	0.993075	0.527758	0.536932	1.673917	0.930671
729	0.966315	1.029519	1.029519	0.842353	0.562673	0.237585	2.261400	1.075489
730	1.013688	0.779865	0.779865	0.716412	2.712277	0.709556	0.907059	0.933427
731	1.036314	1.286687	1.286687	0.694742	0.692466	0.698912	0.645589	1.188923
732	1.177523	0.808703	0.808703	0.933938	0.737516	0.268872	1.941508	1.288068
733	1.136222	0.824704	0.824704	0.526900	0.607793	0.592650	1.352046	1.194471
734	1.079154	1.120094	1.120094	0.285743	0.357584	0.279193	0.504117	1.152905
735	1.054514	1.000878	1.000878	0.759638	0.522631	0.665426	0.886890	1.148913
736	1.058556	1.188860	1.188860	0.674225	0.328699	0.472392	3.389644	1.281914
737	1.053607	0.841905	0.841905	1.047669	0.429151	0.232604	0.585773	1.091035
738	0.928902	1.104559	1.104559	1.096345	2.217440	0.072663	5.874316	1.574177

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
739	1.167881	1.233405	1.233405	0.873276	0.391032	0.259363	0.825133	1.156089
740	1.061837	1.088868	1.088868	0.996821	0.286873	0.993511	0.695326	0.986121
741	0.948011	0.821296	0.821296	0.780163	0.296409	2.341137	3.228680	1.348559
742	0.983271	1.137884	1.137884	0.875115	0.537392	0.400430	0.546001	0.806066
743	0.993326	0.864640	0.864640	0.843162	0.943204	1.883143	1.307906	1.131345
744	1.130303	1.243601	1.243601	0.529038	0.553285	0.486073	1.834283	1.058668
745	0.968363	0.554448	0.554448	0.700284	1.728491	0.651459	0.526288	0.891988
746	0.929748	1.058736	1.058736	0.989405	1.979925	1.212625	1.058263	1.244680
747	0.884571	1.022686	1.022686	0.873740	2.081745	0.236640	0.876079	1.302018
748	0.995896	0.780264	0.780264	0.539115	0.334269	0.451723	1.022666	1.086408
749	0.890087	1.085148	1.085148	0.654496	2.763385	1.158281	2.530202	0.967487
750	1.000237	0.933359	0.933359	0.888937	1.585315	1.199285	2.067587	1.621765
751	0.956320	0.911228	0.911228	0.810928	1.568802	2.390024	1.637666	0.865507
752	0.866097	1.216142	1.216142	0.914569	3.286508	0.862936	1.142507	1.058080
753	0.809465	1.262869	1.262869	0.884828	1.063850	1.163998	1.088352	1.106034
754	0.848629	1.019034	1.019034	0.849213	0.338366	3.443725	1.559108	0.966197
755	0.916984	0.898382	0.898382	0.876428	0.342562	0.980354	1.872382	1.180488
756	1.041192	1.205647	1.205647	0.559201	1.754865	0.387174	0.628231	1.039602
757	1.030618	1.036546	1.036546	0.931672	1.103067	4.093291	3.336122	1.167950
758	0.991948	0.727321	0.727321	0.597876	0.687265	0.470979	0.982767	1.297576
759	1.012826	1.159695	1.159695	0.585240	0.259382	0.990856	0.655498	1.572614
760	0.918668	1.145260	1.145260	0.621288	1.232442	0.304786	0.596044	0.964063
761	0.991286	0.796004	0.796004	0.822225	0.417447	0.269261	1.382323	1.052485
762	0.898002	0.851070	0.851070	1.065294	0.702029	1.216865	3.401664	1.611557
763	0.854861	1.207682	1.207682	0.661467	0.376578	0.845383	2.109869	0.856703
764	0.859256	1.079791	1.079791	1.130492	0.864979	2.147236	0.747754	1.138064
765	1.042739	0.853403	0.853403	0.753384	1.015746	0.485085	0.507713	1.191723
766	0.930417	1.348637	1.348637	0.856102	0.470642	0.151993	1.765758	1.237965
767	0.908666	0.784962	0.784962	0.850032	0.251595	0.392873	0.615496	1.163771
768	0.889959	0.848357	0.848357	1.140594	0.191933	0.685277	3.721038	1.138899
769	1.022621	0.515535	0.515535	0.883067	0.210438	1.443744	3.417116	1.420041
770	0.934413	0.777709	0.777709	0.662725	0.798449	0.694586	0.866521	1.727909
771	1.016889	1.160972	1.160972	0.983507	1.343762	2.556106	2.233618	1.078689
772	1.013707	1.057423	1.057423	0.952333	0.995635	0.501229	4.068194	1.421587
773	0.993688	1.135573	1.135573	0.842026	0.478085	4.673003	0.531568	0.872442
774	1.163230	1.222566	1.222566	1.014134	1.538253	1.484360	3.093767	1.541458
775	0.921609	0.790368	0.790368	1.005874	0.599656	0.230417	1.365805	1.510229
776	1.121536	1.182471	1.182471	0.887356	0.316520	0.272514	0.550930	1.361177
777	0.907016	1.187100	1.187100	0.775928	1.978747	2.941087	1.473360	0.847461
778	1.103511	1.342527	1.342527	0.891651	2.663239	2.437127	2.429674	0.981987
779	1.046642	1.127257	1.127257	0.347122	0.236187	0.596913	1.289415	0.944971
780	1.009253	1.088903	1.088903	0.803974	0.233372	0.665841	0.714848	1.200514
781	1.095787	0.981339	0.981339	0.831678	2.379051	0.753108	2.421256	1.495631
782	0.947357	0.765543	0.765543	1.034403	0.256444	0.936354	0.911425	1.085148
783	0.965141	1.193432	1.193432	1.028285	0.444037	0.446950	0.873601	1.024633
784	0.881983	1.055327	1.055327	1.000619	0.254880	3.419889	1.448467	1.018656
785	1.079239	0.732662	0.732662	0.522207	0.863767	0.179271	0.706843	0.918929
786	0.969068	0.876367	0.876367	1.107093	0.280814	0.807672	2.975869	1.419183
787	0.856199	0.848180	0.848180	0.926725	0.940187	0.545396	1.415312	0.946391
788	1.004610	1.227171	1.227171	0.866988	0.802439	0.638318	1.039313	1.097965
789	1.100869	1.106692	1.106692	0.742031	0.679792	0.837660	0.896570	1.107143
790	0.795444	0.972648	0.972648	1.024526	0.435576	0.716706	1.953665	1.196684
791	1.093253	0.968074	0.968074	0.531142	0.458207	1.659898	1.443843	1.039494
792	0.872432	0.801881	0.801881	0.911815	1.194520	1.102378	0.630608	1.536176
793	1.238093	0.459385	0.459385	1.012603	0.558097	0.271398	0.904884	1.192281
794	0.926897	0.662001	0.662001	1.007772	0.162304	0.512469	0.548866	0.902265
795	0.922409	0.818240	0.818240	0.763913	0.920517	0.822632	0.995938	0.850031

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
796	0.887170	0.693923	0.693923	0.950049	0.708081	1.797241	1.161238	1.406250
797	1.001339	0.869774	0.869774	0.954170	0.476577	2.662558	0.950881	1.124172
798	0.835753	0.906042	0.906042	1.009247	0.303566	1.529144	1.431364	1.048261
799	0.975550	1.155012	1.155012	1.043459	0.616338	0.930032	0.538317	0.913467
800	0.874087	0.722432	0.722432	0.797275	0.230000	0.093900	1.338989	1.018966
801	1.016985	0.972685	0.972685	0.659781	0.472664	0.941170	2.020365	0.943732
802	1.070031	0.654383	0.654383	1.005312	0.284987	0.787455	0.670356	0.914561
803	0.869015	0.869545	0.869545	0.385563	1.774001	0.620041	1.128719	1.014576
804	0.924192	1.082097	1.082097	0.837752	0.766394	5.640119	0.539247	1.003174
805	0.987670	0.918736	0.918736	1.128745	0.240108	1.430527	0.791326	1.041016
806	1.152483	0.951028	0.951028	0.574872	1.066362	1.351467	2.410506	1.209326
807	1.224152	0.978120	0.978120	0.874799	0.723652	1.692087	2.097359	1.310933
808	0.926741	1.161523	1.161523	1.086018	0.122747	0.342978	0.794306	1.142136
809	0.921227	1.002950	1.002950	0.657713	0.773645	0.403129	0.905602	0.864746
810	0.982334	1.380032	1.380032	0.534471	0.540245	0.942563	1.670685	1.374468
811	1.033391	0.945423	0.945423	0.701966	1.064134	0.234235	0.703170	1.293688
812	1.091169	0.814830	0.814830	0.996038	1.462696	0.278477	0.977463	0.942620
813	1.177066	1.082817	1.082817	1.149833	2.548026	0.528812	0.972822	1.254628
814	0.909771	0.752782	0.752782	0.934966	1.549518	1.345633	0.614969	1.086255
815	0.960474	1.131471	1.131471	1.100057	0.338778	0.230208	3.411457	1.182432
816	1.054760	1.195054	1.195054	1.063662	0.834187	0.909870	2.480285	1.117402
817	0.940555	0.733999	0.733999	1.107642	0.518071	0.660270	1.747853	1.111040
818	1.128005	0.711169	0.711169	0.955377	0.533792	1.134280	4.484989	1.121849
819	0.807747	0.891435	0.891435	0.830434	0.296650	1.353396	2.975300	1.237932
820	0.779738	1.155015	1.155015	0.473055	0.530688	0.653488	0.998807	1.041626
821	0.993660	1.437284	1.437284	1.103319	0.686861	0.231763	1.733650	0.962345
822	1.099794	0.547143	0.547143	0.708212	0.219514	0.274176	1.172648	1.165695
823	0.833772	1.096001	1.096001	0.630791	0.741522	0.654269	1.665385	0.947798
824	0.963686	1.186133	1.186133	1.040897	1.003969	3.053461	2.820963	0.958301
825	1.014240	1.021606	1.021606	0.844671	0.233308	2.532259	1.216654	0.908934
826	1.082902	1.152800	1.152800	0.926222	0.475077	0.582142	5.377554	1.269021
827	1.003435	1.418354	1.418354	1.080185	0.802409	3.601686	2.946820	1.130617
828	1.002429	1.389617	1.389617	0.818010	0.288931	2.806132	1.179801	1.273869
829	0.974996	0.743663	0.743663	0.978749	1.191208	0.643896	1.488233	1.163513
830	1.034132	0.817640	0.817640	0.494093	2.363454	0.607275	0.523661	1.283406
831	1.262505	1.255913	1.255913	0.625329	1.073606	0.708969	2.264360	1.188798
832	1.023261	0.856473	0.856473	0.925581	0.681893	0.509488	1.044787	0.971067
833	0.889022	1.132701	1.132701	1.024307	0.728284	1.918081	0.883934	1.130666
834	0.970254	1.197181	1.197181	0.401124	1.226418	0.332460	1.585603	1.279544
835	0.787855	0.651388	0.651388	0.525230	0.144003	1.045294	0.687102	0.826841
836	0.912557	1.354984	1.354984	0.903121	0.937695	0.618865	0.744949	0.827340
837	1.024647	1.171055	1.171055	1.075757	0.284270	3.389501	0.595654	1.527399
838	1.138812	0.802208	0.802208	0.407604	1.200314	0.523072	2.476272	1.596368
839	1.312492	0.862434	0.862434	1.081682	0.363354	0.830909	0.502893	1.540260
840	0.882947	0.804909	0.804909	1.021529	0.465584	1.083152	0.643717	0.995961
841	0.907294	0.767737	0.767737	0.741107	0.369304	0.757476	1.137829	1.074034
842	0.982793	1.120386	1.120386	0.584210	0.688339	0.172946	0.600801	1.240349
843	1.006874	1.206473	1.206473	0.986755	0.659600	0.265889	1.306201	1.225386
844	1.278797	0.981922	0.981922	1.075142	0.858690	1.338106	1.385978	1.241223
845	1.062584	1.134673	1.134673	1.007283	0.666138	2.025965	0.698858	1.037246
846	0.898422	1.112965	1.112965	0.807624	0.166711	0.712634	1.215554	0.807513
847	1.025528	0.844753	0.844753	1.015421	0.505663	0.561381	0.971783	1.114687
848	0.983855	1.219322	1.219322	1.076535	0.345944	2.173321	0.738402	1.518346
849	1.100461	0.718532	0.718532	0.950468	1.050682	1.430697	1.329198	1.301605
850	1.076000	1.255732	1.255732	0.903513	0.740894	1.588097	2.465234	1.625951
851	1.025125	0.700120	0.700120	1.046117	0.951130	0.585411	0.553726	0.897821
852	0.906790	0.470784	0.470784	0.859703	0.670530	7.321954	0.536321	1.044237

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
853	1.036376	0.801470	0.801470	0.835979	1.879173	0.319297	1.301822	1.671376
854	0.954436	1.276559	1.276559	1.014282	1.713964	0.304637	1.219174	1.138940
855	0.924264	0.919834	0.919834	0.704721	1.271319	3.887767	0.632936	0.974227
856	1.037063	0.929052	0.929052	1.032440	1.889775	0.684857	0.895644	1.111481
857	0.954632	0.672816	0.672816	0.544976	0.573603	0.389580	1.513130	0.937245
858	0.981895	0.938174	0.938174	1.149224	1.736204	0.258995	0.855911	1.149917
859	1.026952	1.341648	1.341648	1.043290	0.551904	0.250369	1.062094	1.036072
860	0.784359	1.067071	1.067071	1.045299	0.166569	0.295182	1.484387	1.155964
861	0.824303	1.165138	1.165138	0.660703	0.377676	0.759445	2.678723	1.677651
862	0.898674	1.210055	1.210055	0.866305	0.483022	0.789442	0.805111	1.438051
863	0.903675	0.863341	0.863341	0.621134	0.462407	0.570501	3.076184	1.511009
864	0.859965	1.183807	1.183807	0.922527	0.964511	0.226434	1.861129	1.209294
865	0.986447	1.151744	1.151744	1.076424	0.117151	1.901657	4.100092	1.127106
866	1.071014	1.078354	1.078354	0.717150	1.613187	0.864635	0.616761	0.844878
867	1.093773	1.045591	1.045591	1.135335	0.289476	0.888728	1.238420	1.181823
868	1.119069	0.997335	0.997335	0.591083	1.230458	0.449322	1.136055	1.033694
869	1.065268	1.078261	1.078261	0.904321	0.354122	0.360816	3.447979	1.615655
870	1.062076	1.006899	1.006899	0.820471	0.443470	0.256305	2.377274	1.140417
871	1.095103	0.908295	0.908295	1.119628	0.542400	1.002645	2.550416	1.363759
872	0.974061	1.176160	1.176160	0.794659	0.574870	0.328777	0.859268	1.390409
873	0.998350	0.413220	0.413220	0.690708	0.919257	0.537907	0.579071	1.304254
874	0.961448	0.714537	0.714537	0.468401	0.416177	1.450209	1.478666	1.221101
875	1.268110	0.723493	0.723493	0.898973	0.598062	0.436417	1.472855	0.918850
876	0.944181	0.869028	0.869028	1.137773	0.114332	0.533835	0.673210	1.390252
877	0.990452	1.293424	1.293424	0.976817	0.660629	0.462175	0.653013	0.923910
878	1.064342	0.617160	0.617160	1.100077	0.665793	0.253159	0.885238	1.273494
879	0.706383	0.817459	0.817459	1.010141	2.707763	0.189597	2.427050	0.896367
880	1.062513	0.674019	0.674019	0.763540	0.244387	0.380944	0.695250	0.892408
881	0.952255	0.924895	0.924895	1.110526	0.863564	0.743468	0.646615	0.877958
882	1.064316	0.990424	0.990424	1.077254	0.646546	1.805876	3.964779	0.934401
883	0.917348	1.014639	1.014639	0.617687	0.169282	1.207931	2.839342	0.860139
884	1.000914	1.133766	1.133766	0.498545	1.647702	0.259241	1.150748	1.381984
885	0.978079	0.535771	0.535771	0.929254	0.394105	4.098889	1.249512	0.896782
886	0.930202	0.960015	0.960015	0.856076	0.415559	0.350130	1.432094	1.066584
887	1.066361	1.243682	1.243682	0.780868	2.105369	2.086520	0.915396	0.852412
888	1.076277	1.321231	1.321231	0.840566	0.443728	0.227195	0.838584	1.324873
889	1.092910	0.887472	0.887472	0.947778	1.180798	1.181371	1.170154	0.997614
890	1.035287	1.058123	1.058123	0.895539	1.202897	0.463103	0.764184	1.063780
891	0.865786	0.845346	0.845346	1.125618	0.510350	2.106147	1.847776	0.927575
892	0.909987	0.690445	0.690445	0.330817	0.832991	0.269133	0.943355	1.141646
893	1.156160	0.825477	0.825477	0.955742	0.405687	0.886362	1.660251	0.836324
894	0.929578	0.758696	0.758696	0.678842	0.495602	0.561862	1.005470	1.108153
895	1.181771	1.243950	1.243950	0.876714	0.794223	2.344601	1.485166	1.657915
896	0.883861	0.889513	0.889513	1.121735	0.933041	0.438103	0.776001	1.037435
897	1.154376	1.078958	1.078958	0.827961	0.113454	1.375312	3.122062	1.099349
898	1.058669	1.246947	1.246947	0.772187	1.703323	2.491177	1.369628	0.901103
899	1.087904	0.739028	0.739028	0.921213	1.302652	0.373549	0.501610	1.380761
900	1.033270	1.200142	1.200142	1.146574	0.893102	5.694084	1.751165	1.502528
901	1.039934	1.068580	1.068580	1.082397	1.293905	0.621428	1.063470	0.978153
902	0.975043	1.059188	1.059188	1.053961	1.506826	1.163239	1.553032	0.796915
903	0.960101	0.984363	0.984363	0.777799	0.930883	0.741118	1.786199	0.900836
904	0.907353	0.722118	0.722118	0.567053	0.317002	1.659621	0.928237	1.014323
905	0.819884	1.117486	1.117486	1.066769	0.283257	3.763613	0.818208	1.180839
906	1.021102	0.967335	0.967335	0.640584	0.519342	0.214746	1.169413	0.843215
907	0.991895	1.220306	1.220306	0.929759	0.271580	0.471508	0.967161	1.146631
908	0.979001	0.715876	0.715876	0.406629	0.320714	0.314450	1.315286	1.063656
909	1.115969	0.935357	0.935357	0.874861	0.458464	1.233966	1.714391	1.156502

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
910	0.997510	1.087351	1.087351	0.573417	0.657011	1.091536	0.651520	1.391891
911	0.913033	0.970090	0.970090	0.520560	0.274930	0.642975	1.551148	1.248235
912	1.034811	0.929151	0.929151	0.493111	0.824372	1.213336	1.695640	1.714962
913	0.934082	1.184452	1.184452	0.975384	1.025939	0.656751	1.293117	1.223018
914	0.881309	1.266049	1.266049	0.958737	0.698661	2.096733	3.311553	0.788392
915	1.016530	0.757229	0.757229	0.951399	1.896413	1.233711	0.991586	0.861526
916	1.117215	0.833870	0.833870	0.815745	0.563534	1.198379	0.966632	1.450146
917	1.084547	1.046096	1.046096	0.869715	0.484973	0.091649	3.938656	0.935861
918	0.995827	1.124783	1.124783	0.952903	0.808174	3.856833	0.947334	1.254292
919	1.136070	0.989551	0.989551	1.053321	1.017098	0.608209	1.935625	1.188679
920	0.986422	0.874192	0.874192	0.992438	0.558559	0.388554	2.373916	1.379200
921	1.179156	1.302866	1.302866	1.143951	0.274983	0.705236	1.628138	1.020214
922	0.879307	1.028078	1.028078	0.830044	0.470130	1.331552	0.933733	1.234873
923	1.018280	1.247686	1.247686	0.759434	0.608260	0.500898	0.526387	1.355064
924	0.978985	1.340722	1.340722	0.689961	1.020953	4.132394	0.658984	1.224917
925	1.100398	1.137738	1.137738	0.464873	0.683400	0.689180	2.017564	0.917132
926	0.977545	1.134444	1.134444	0.776208	1.340378	0.545793	2.175085	1.398730
927	0.991130	0.958217	0.958217	1.093295	0.446679	0.946528	1.052578	1.029725
928	1.012231	1.285255	1.285255	0.825453	1.003997	0.336987	1.444193	1.100554
929	1.004136	0.486941	0.486941	0.607326	2.363218	0.254762	0.861707	0.986538
930	1.204987	1.092549	1.092549	0.529905	0.438983	0.267594	0.678095	1.299129
931	1.102345	0.813435	0.813435	1.062946	0.283109	1.959021	0.674812	0.959834
932	1.006230	1.113135	1.113135	0.668375	0.331619	1.418384	1.367116	1.622988
933	0.965071	1.263591	1.263591	1.089862	0.667394	0.376048	0.794207	0.908820
934	1.010182	0.858338	0.858338	0.933129	2.668855	0.853545	1.354964	1.531526
935	1.080009	0.990959	0.990959	0.803044	0.397283	0.517565	0.547979	1.202184
936	1.173062	0.641020	0.641020	0.940639	1.821453	0.183252	0.589721	0.950048
937	1.011552	1.085680	1.085680	1.023079	0.468697	0.250778	3.639752	1.022532
938	1.044486	1.165735	1.165735	1.048600	0.234842	0.119242	0.978726	1.295653
939	0.908227	0.761153	0.761153	1.072256	0.202476	1.442535	2.602192	1.134379
940	1.076394	1.125750	1.125750	0.673353	0.522396	1.567417	0.874879	1.082267
941	1.071244	0.820725	0.820725	0.873456	0.344396	0.263355	2.310447	1.574907
942	1.054773	1.047627	1.047627	1.082058	0.613797	0.313001	0.905288	1.258335
943	0.923754	0.936215	0.936215	0.779221	0.291009	1.741162	0.570858	1.331176
944	1.017358	0.645145	0.645145	0.954966	0.477265	0.185345	0.756601	1.015282
945	0.977162	0.812501	0.812501	0.622874	0.958939	3.089517	1.561424	1.113581
946	0.954469	1.215170	1.215170	0.959690	1.687454	0.112759	5.504772	0.973594
947	1.001631	1.114265	1.114265	1.009327	0.318009	0.193810	3.276893	0.919543
948	1.073534	1.172081	1.172081	0.577430	0.418906	0.522249	2.899802	0.937098
949	0.873647	0.937571	0.937571	1.020704	0.681199	0.513724	5.540115	1.336508
950	0.956507	1.138665	1.138665	1.124194	0.834701	2.147795	0.537945	1.473693
951	0.995318	1.356784	1.356784	0.685121	1.773280	0.156477	2.380261	1.142349
952	1.217504	0.251707	0.251707	0.713865	0.634205	0.441834	1.410291	1.042805
953	0.802283	1.392339	1.392339	0.627502	0.338628	1.040535	2.460499	1.301265
954	0.973711	0.935173	0.935173	1.043597	0.664099	0.612662	2.207081	1.574462
955	0.976990	0.775548	0.775548	0.762941	0.324242	0.368211	2.023564	1.537732
956	1.064098	0.931184	0.931184	0.506937	0.522774	0.888663	0.947227	1.237927
957	0.906152	1.374135	1.374135	0.757754	0.277125	0.980900	2.130734	1.280579
958	0.924927	1.300821	1.300821	0.873156	0.790192	0.231732	1.314861	1.608941
959	1.023241	0.764793	0.764793	1.105052	1.356387	3.616447	2.295509	0.907378
960	1.044536	0.912635	0.912635	0.809868	1.313872	0.134392	1.062261	1.103229
961	1.211930	0.785342	0.785342	0.905484	1.673507	0.399277	0.925207	1.125559
962	0.706090	1.281878	1.281878	1.063900	0.758560	0.666291	0.902349	1.123721
963	1.065628	0.800557	0.800557	1.033657	0.588928	0.916961	1.795226	0.873018
964	1.038531	1.021624	1.021624	1.090887	1.092253	1.121060	0.881829	1.243357
965	0.838573	1.335552	1.335552	0.199586	0.183920	0.290027	0.582806	0.852243
966	1.078457	0.876325	0.876325	1.149434	0.983514	0.303097	3.726139	1.244363

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
967	1.111375	0.615602	0.615602	0.852846	0.267371	4.628465	1.064094	1.316009
968	0.966606	1.277258	1.277258	1.039974	0.931486	0.831061	0.990639	1.157376
969	0.996632	1.194122	1.194122	0.622927	0.363561	0.307232	1.047086	0.937559
970	1.021404	1.162511	1.162511	0.912387	0.938455	1.039069	0.585929	0.987076
971	0.991453	1.009555	1.009555	1.009524	1.090738	1.399637	0.841826	1.143342
972	0.983682	0.368028	0.368028	0.503429	0.833845	0.308723	1.554758	1.217312
973	0.847483	1.026138	1.026138	0.928591	2.237608	0.325721	1.026567	1.526361
974	1.030984	1.363659	1.363659	0.832295	0.550370	0.324973	0.944668	1.215020
975	1.188876	0.946371	0.946371	0.494833	0.538733	3.354712	1.617759	1.129464
976	0.820470	1.171831	1.171831	0.530670	0.521492	1.200304	1.937775	1.112549
977	1.013399	0.767583	0.767583	0.618580	0.139010	2.314093	0.801861	1.205574
978	0.948570	0.888694	0.888694	1.104087	0.460600	0.732073	1.035076	0.983523
979	1.010487	0.347463	0.347463	0.631182	0.734359	0.190324	0.500541	0.985824
980	1.049160	0.953793	0.953793	0.535636	1.641477	0.459654	2.295733	1.524258
981	1.045453	1.002965	1.002965	0.883218	0.658325	1.375450	4.452956	1.461441
982	1.002220	1.282771	1.282771	0.699473	0.917907	0.160162	1.476130	1.306141
983	0.876743	1.316680	1.316680	0.687266	1.343005	0.852299	1.887120	1.623961
984	0.891408	1.234909	1.234909	0.918516	1.067014	0.781231	1.093709	1.072778
985	0.933063	0.945344	0.945344	0.606024	0.364363	0.907119	0.967160	1.313178
986	1.014697	1.232702	1.232702	0.601841	0.306588	0.795546	0.792551	0.918861
987	0.986287	0.905922	0.905922	0.705718	0.607123	0.402846	0.530646	0.880790
988	1.064663	0.724942	0.724942	0.498725	0.403445	0.213680	0.813169	0.976681
989	1.118165	0.947194	0.947194	0.968850	0.295326	1.224913	2.372080	1.080548
990	1.054409	1.270034	1.270034	0.659573	0.202515	0.497076	1.170144	1.177566
991	1.066490	0.890518	0.890518	0.972228	0.875653	0.462933	2.937520	0.965116
992	0.935380	1.126818	1.126818	0.482675	1.323897	0.699813	0.780889	0.939463
993	1.224345	0.724869	0.724869	1.132735	1.483912	0.259400	0.505713	0.999308
994	0.993601	0.502678	0.502678	0.819827	1.015496	0.203524	1.391303	0.955359
995	0.967779	1.159180	1.159180	0.372201	1.342258	0.836814	1.326246	1.047628
996	0.946341	0.847788	0.847788	0.366784	2.188138	0.370701	0.799385	1.477378
997	1.063383	1.200450	1.200450	0.904280	0.351234	1.834538	0.641423	1.149506
998	1.052622	1.404467	1.404467	1.050268	0.835285	0.610328	1.373907	1.117675
999	0.977264	0.760146	0.760146	0.263982	1.183178	0.373324	2.872739	1.389636
1000	1.106342	0.935098	0.935098	0.647573	0.320668	0.762741	1.416603	1.099687
1001	1.199643	1.023352	1.023352	0.525388	0.587854	0.784614	4.042668	1.266268
1002	1.095020	0.603346	0.603346	0.249552	0.883860	1.848570	0.778138	1.432111
1003	1.135591	0.928309	0.928309	0.731838	0.446280	0.924828	0.802294	1.152911
1004	0.933426	1.154648	1.154648	0.985524	1.383407	0.234516	0.945509	1.671386
1005	0.959161	1.180578	1.180578	1.034622	3.054303	0.407700	2.739547	1.334343
1006	1.198183	0.780591	0.780591	0.680001	0.853022	0.113796	1.960170	0.846423
1007	0.989487	0.590381	0.590381	1.117062	0.273323	0.561894	1.687618	0.968418
1008	0.972074	0.869835	0.869835	0.823418	0.423686	0.367785	1.097691	0.966194
1009	0.941247	0.624186	0.624186	1.099758	0.282257	0.243722	0.879447	1.031353
1010	0.987236	0.852975	0.852975	1.063824	0.403821	3.263828	5.036081	1.006695
1011	1.094276	0.870565	0.870565	1.101598	0.414797	0.836513	2.240116	1.299034
1012	1.024537	0.636379	0.636379	0.930309	0.199894	0.646970	2.387342	1.553455
1013	1.062730	0.850689	0.850689	0.943617	0.886030	0.292280	0.592811	1.165045
1014	0.996680	1.130623	1.130623	0.446060	1.035991	1.572209	1.178777	1.117702
1015	0.886313	1.160352	1.160352	1.124972	1.418167	0.267675	0.545524	1.263568
1016	0.954361	0.796998	0.796998	1.114435	0.706705	0.294286	0.561263	0.886059
1017	0.833011	1.145399	1.145399	1.135869	1.190832	2.050779	1.401270	0.900600
1018	0.839857	1.140327	1.140327	0.913953	0.602142	0.641960	1.832258	0.986665
1019	0.945963	0.830162	0.830162	0.508060	1.227988	0.307109	0.522927	1.168905
1020	1.169135	1.443969	1.443969	1.072116	1.291556	0.640953	0.741451	1.565703
1021	0.945090	0.925059	0.925059	0.769090	2.102357	0.966965	1.088866	0.978770
1022	0.983888	0.812795	0.812795	0.928161	0.942246	3.973455	1.497560	1.223048
1023	1.044008	1.027419	1.027419	0.901748	2.635190	1.431443	0.611070	1.072541

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1024	1.026304	1.328080	1.328080	0.825527	0.498131	0.090876	0.856613	1.102094
1025	1.065354	1.316305	1.316305	1.091078	1.205763	0.414486	0.897679	0.997561
1026	1.059768	1.165259	1.165259	0.993487	1.141707	0.173544	5.452403	1.001510
1027	1.079101	0.722945	0.722945	0.647307	0.122402	0.586093	2.962069	0.830809
1028	1.052718	0.860707	0.860707	0.944651	0.272848	0.264728	3.057154	0.928310
1029	1.080074	0.928350	0.928350	0.734068	1.659389	1.048954	2.906534	1.146235
1030	1.174482	1.112078	1.112078	0.855345	0.201073	0.905972	0.627356	1.108456
1031	1.145350	0.747408	0.747408	0.800898	0.303966	0.131310	0.695890	1.058527
1032	0.845411	1.359539	1.359539	1.107105	1.811594	1.191581	2.598659	0.944648
1033	1.113811	0.699406	0.699406	0.720943	0.664685	0.319438	2.393619	1.585035
1034	0.972597	0.904041	0.904041	1.059579	0.459535	0.229057	0.727081	1.120940
1035	1.045711	0.934218	0.934218	0.362830	0.522723	0.422398	0.560898	1.048666
1036	0.951654	1.065432	1.065432	0.863681	2.538964	0.274735	0.960075	1.264396
1037	1.012331	0.794578	0.794578	0.912034	1.356304	1.709883	2.155131	1.317174
1038	1.073049	1.014065	1.014065	0.810856	0.274106	2.288605	2.378633	1.399289
1039	0.970516	0.713387	0.713387	1.068882	0.343056	0.556963	0.749604	1.209811
1040	1.094293	0.970341	0.970341	0.950321	0.303601	0.522624	1.492081	1.681382
1041	0.972752	1.090961	1.090961	0.612654	0.616943	1.885339	1.285774	1.275621
1042	0.992713	1.002662	1.002662	0.897398	0.475676	0.278738	0.657011	0.982579
1043	0.855624	1.122104	1.122104	0.944413	0.914882	0.218687	0.908399	1.203698
1044	0.953782	0.920346	0.920346	1.014245	1.170695	0.502636	1.587727	1.065959
1045	1.051753	1.275310	1.275310	0.999484	1.372378	0.672604	0.586131	1.275830
1046	0.874058	0.781757	0.781757	0.975220	0.745626	0.150610	0.741059	0.829861
1047	0.800254	1.233626	1.233626	1.101395	1.661689	1.449679	0.753046	1.031198
1048	0.911234	0.761497	0.761497	1.020800	0.728331	0.324967	2.323270	1.198248
1049	0.937302	0.779875	0.779875	0.876570	1.704337	2.815767	1.698411	1.569599
1050	0.991181	0.793041	0.793041	0.832538	0.953434	1.581763	1.764630	1.173363
1051	0.892858	0.958951	0.958951	0.796910	2.119203	1.370326	0.809528	0.943627
1052	1.126773	0.758127	0.758127	1.064992	0.543372	0.427699	0.506983	1.664858
1053	1.125671	0.700081	0.700081	1.023163	1.226028	0.688668	1.201122	1.230145
1054	1.041500	0.530805	0.530805	0.804006	1.341051	2.165832	0.708179	1.286223
1055	1.032268	1.326561	1.326561	0.411455	0.737371	0.655046	0.957572	0.969147
1056	0.939863	1.027587	1.027587	0.355543	0.886767	0.721322	0.564518	1.021935
1057	0.936913	0.937662	0.937662	0.634220	1.275860	1.795410	0.628202	1.130875
1058	1.111177	0.979514	0.979514	0.794782	1.091634	0.827196	3.227933	0.848714
1059	1.162550	1.300155	1.300155	0.808771	0.325772	1.367507	0.778604	0.840827
1060	1.100846	0.917874	0.917874	0.685543	0.212174	1.346291	2.156881	1.381674
1061	0.828065	0.955474	0.955474	0.767239	1.651595	0.277809	0.700938	1.332500
1062	1.040897	0.657997	0.657997	0.817155	1.316634	1.012247	0.634793	1.167584
1063	1.064676	1.068135	1.068135	0.457782	0.375766	0.905260	2.469979	1.388125
1064	1.043324	1.416475	1.416475	1.117948	2.283588	0.927027	0.723096	1.491630
1065	1.020989	1.086513	1.086513	1.028471	0.214657	0.321512	1.079728	1.065607
1066	0.917825	0.933688	0.933688	0.566584	0.332715	1.531861	0.519796	1.231942
1067	1.068132	0.826318	0.826318	1.089209	0.784349	0.643214	0.723231	0.970578
1068	0.828724	0.970932	0.970932	0.730676	0.250732	1.247526	0.598770	1.005774
1069	1.086555	1.021082	1.021082	0.475412	2.684446	0.672708	0.781436	1.230828
1070	1.032429	1.370764	1.370764	1.015124	0.690018	0.752008	1.078482	1.290342
1071	0.977695	0.958806	0.958806	1.028782	2.190763	1.817279	0.580122	1.298880
1072	1.038710	0.959429	0.959429	0.880447	1.495798	3.011320	0.658269	1.416203
1073	0.966102	0.927813	0.927813	1.103343	0.330811	0.873783	3.943540	1.237453
1074	1.009028	0.866935	0.866935	0.753188	0.581843	0.062108	3.930860	1.061549
1075	1.028131	0.695707	0.695707	0.852309	0.505338	0.522953	1.836227	1.020404
1076	0.964832	1.146648	1.146648	0.976744	1.357978	0.640684	1.172863	1.038414
1077	1.200923	1.151331	1.151331	0.842027	0.501385	3.077264	1.778968	1.029323
1078	0.944090	1.264191	1.264191	1.068565	0.596113	0.564305	0.582410	1.117041
1079	0.918752	0.800448	0.800448	1.003230	0.142712	0.786704	1.772195	1.235683
1080	1.246233	1.248377	1.248377	1.130920	0.144446	0.142767	1.090718	1.490618

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1081	1.043452	1.146768	1.146768	0.941521	0.678330	0.615414	2.887539	1.368607
1082	1.215683	1.167740	1.167740	0.987410	0.648923	1.523416	0.931595	1.053737
1083	1.004211	1.137988	1.137988	1.057284	0.284092	0.266863	0.843761	1.083542
1084	0.860249	0.894664	0.894664	0.308977	0.913983	0.330610	1.284809	1.159801
1085	1.054498	1.390156	1.390156	0.744830	1.169371	0.178310	3.221237	1.120375
1086	0.995865	1.247288	1.247288	0.799921	0.286337	1.695928	1.009147	1.260436
1087	1.049970	1.093967	1.093967	0.852472	0.531331	2.481911	0.646068	0.951832
1088	0.883449	0.761559	0.761559	0.999672	1.399318	0.705762	1.949514	1.054089
1089	0.980601	0.828446	0.828446	1.148074	0.665581	2.584869	1.092178	1.165553
1090	1.157454	1.152760	1.152760	1.132796	0.185790	1.557812	1.459544	1.428489
1091	0.844732	0.930861	0.930861	0.811157	0.264967	0.911291	0.503067	1.333955
1092	1.120457	0.445910	0.445910	1.061497	0.354176	0.587989	3.652024	1.047740
1093	1.065868	1.187559	1.187559	0.728442	0.870034	0.345068	1.420234	1.016238
1094	0.986600	1.128538	1.128538	0.771990	0.446769	0.326552	0.709888	1.640149
1095	0.997486	1.021319	1.021319	0.733168	0.731641	0.318112	0.507929	1.017176
1096	0.912791	1.181758	1.181758	0.769875	3.019275	0.413528	1.524511	1.177468
1097	0.903384	0.654705	0.654705	0.847294	1.209303	0.862966	0.598156	1.030509
1098	1.192570	0.885734	0.885734	0.900286	0.210015	0.462614	2.945563	0.884693
1099	1.117151	0.843426	0.843426	0.563229	0.305926	0.194855	0.621097	1.398767
1100	1.074906	1.066161	1.066161	0.633068	1.814185	0.941101	1.490495	0.938125
1101	0.949618	0.963438	0.963438	0.806415	0.665754	1.160997	1.082104	1.232278
1102	0.996304	1.228727	1.228727	0.910192	0.855728	0.372736	3.689251	1.121268
1103	1.010221	1.030265	1.030265	0.912695	1.481076	0.640246	1.179044	1.165150
1104	1.258370	0.822377	0.822377	0.839844	1.279808	0.675385	0.950587	1.615695
1105	1.021314	1.345203	1.345203	0.827502	0.802854	0.347998	0.641880	1.530962
1106	0.813713	0.601685	0.601685	0.708058	0.969824	0.732832	1.206021	1.061267
1107	0.961252	1.302382	1.302382	0.788175	0.322691	1.209804	0.983176	1.511741
1108	0.989313	0.742539	0.742539	0.461217	0.239656	1.116577	0.632330	1.328988
1109	1.034164	0.886819	0.886819	0.784653	1.165081	0.751718	0.511350	1.132578
1110	1.029429	0.513387	0.513387	1.095038	0.393473	1.876215	0.580134	1.274524
1111	0.988280	1.134717	1.134717	1.108326	0.371953	1.410537	0.844969	0.878698
1112	0.890478	1.191987	1.191987	0.700802	0.310344	0.385695	1.283424	1.160857
1113	0.988475	0.823360	0.823360	0.782333	0.354186	1.796917	5.347377	1.244084
1114	0.986228	0.999593	0.999593	0.968202	0.442372	0.774960	0.675294	0.951709
1115	0.958119	1.069023	1.069023	1.025392	0.398754	0.316417	0.893008	1.044397
1116	1.172539	0.945141	0.945141	0.936643	3.265667	1.101073	4.828530	1.157814
1117	0.895249	1.219898	1.219898	0.873235	0.541943	0.614829	0.513513	0.858696
1118	1.123969	1.292973	1.292973	0.968784	0.348595	6.203295	2.039876	1.026750
1119	0.931903	1.360468	1.360468	1.023000	0.431714	0.093611	0.689732	1.026220
1120	1.005754	0.825606	0.825606	1.066539	2.460170	0.907255	1.519746	1.234386
1121	1.132760	1.000591	1.000591	0.781773	0.350892	0.379297	1.722688	1.185943
1122	1.002246	1.158848	1.158848	0.981821	0.111124	0.858932	0.555643	1.115766
1123	0.975936	0.374006	0.374006	1.034210	0.571866	0.361062	0.931229	1.036199
1124	1.082762	1.110993	1.110993	0.453473	0.431168	1.329555	0.711432	1.547071
1125	0.943409	1.378921	1.378921	1.085773	0.398831	1.918705	2.110705	1.544923
1126	0.889008	1.014140	1.014140	1.132024	1.564892	0.296351	1.322463	1.281237
1127	1.025002	1.401923	1.401923	1.026751	0.216266	0.606896	1.932755	0.957154
1128	0.999979	1.280408	1.280408	0.759405	1.909298	0.203121	0.553883	1.061360
1129	1.019029	1.279312	1.279312	0.716420	0.284672	0.205830	1.084840	1.052860
1130	1.016172	1.222534	1.222534	0.701248	1.132170	0.404610	1.330309	1.520681
1131	0.779471	1.064126	1.064126	0.553154	2.884272	0.533560	0.693278	0.924722
1132	0.948005	1.130644	1.130644	0.971681	0.243632	0.903312	0.522719	0.866471
1133	0.807765	1.220241	1.220241	0.708133	1.603824	0.578006	0.581227	1.283248
1134	0.981067	1.072610	1.072610	0.577051	2.277433	4.200661	1.351754	0.968885
1135	0.972441	0.490990	0.490990	0.635289	0.645650	1.819920	1.189650	1.520886
1136	1.000498	0.919304	0.919304	0.806796	2.287913	0.108245	0.549441	1.042047
1137	0.934347	0.681785	0.681785	0.513994	1.765433	0.691848	2.777047	0.879119

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1138	0.975303	1.165788	1.165788	0.845785	0.671781	2.001187	1.147396	1.137920
1139	1.063143	1.037816	1.037816	0.804664	0.239516	0.444537	0.763407	1.387992
1140	1.159006	1.180081	1.180081	1.009666	0.398779	1.893077	0.650137	0.863153
1141	0.845550	0.790140	0.790140	1.072501	0.429700	1.044169	1.068979	1.280573
1142	1.112236	1.018313	1.018313	0.523705	0.269650	2.136239	0.829082	0.973445
1143	1.141188	1.057144	1.057144	0.556498	0.473630	0.523309	0.875821	1.068897
1144	0.956343	0.955249	0.955249	0.678753	0.243680	2.276413	1.940539	0.779799
1145	1.041086	1.320065	1.320065	1.148519	0.888751	0.876237	0.786777	1.118828
1146	0.831074	0.933197	0.933197	0.978621	0.483702	0.753633	1.300789	1.453670
1147	0.973525	0.945672	0.945672	0.386626	0.449244	0.418677	1.506919	1.686564
1148	1.108084	0.948489	0.948489	0.941649	0.383093	0.371057	1.016267	1.327607
1149	0.907726	1.162998	1.162998	0.949710	2.992920	0.708518	2.502482	1.492626
1150	1.019723	0.917618	0.917618	1.132891	2.423506	0.244708	2.981527	1.396189
1151	1.076568	0.931185	0.931185	1.117509	0.832142	0.699768	1.361037	1.452407
1152	1.030386	1.370439	1.370439	0.899886	1.151574	1.489922	1.150792	1.112934
1153	0.901505	0.613474	0.613474	0.235610	1.508826	1.056167	1.688978	0.968276
1154	1.036966	0.938398	0.938398	0.891886	0.434017	0.287750	1.610929	1.227440
1155	0.940808	0.723332	0.723332	0.435384	0.441601	1.453156	2.542123	1.223128
1156	0.982154	0.816514	0.816514	0.556654	0.492110	0.189035	0.719312	1.468439
1157	1.031732	0.851607	0.851607	0.908432	1.807681	0.466338	1.740722	0.843000
1158	1.091591	1.187901	1.187901	1.057123	1.217787	0.542051	0.888368	0.918436
1159	0.941804	1.180859	1.180859	0.543316	0.946782	1.909450	0.606656	1.235041
1160	0.927617	1.077146	1.077146	0.527199	0.375180	0.382557	3.301515	1.201785
1161	1.002792	1.210791	1.210791	0.943962	0.514582	3.637816	0.560512	1.201983
1162	0.854465	0.957363	0.957363	0.893480	1.917038	1.866405	0.629649	1.269566
1163	1.100948	0.816421	0.816421	1.053921	1.313580	0.355053	3.842528	1.160501
1164	0.997521	1.081860	1.081860	0.743790	0.544926	0.195946	1.853188	1.020173
1165	1.080493	1.036244	1.036244	0.769114	0.115604	2.380492	4.562858	0.945865
1166	1.046961	1.062582	1.062582	0.909079	0.644404	3.449647	0.840334	0.950410
1167	0.850539	0.776404	0.776404	0.715650	0.233995	0.217963	0.719512	1.301279
1168	0.888259	1.038942	1.038942	1.050615	1.285988	0.910423	1.073990	1.287629
1169	0.983453	0.816143	0.816143	1.091207	0.185957	1.253188	5.675499	1.030948
1170	0.951518	0.541171	0.541171	0.946583	2.334907	0.133965	0.537491	1.560130
1171	0.761291	0.969824	0.969824	0.462096	0.765543	0.232973	1.635755	1.444117
1172	0.943892	0.883941	0.883941	0.736067	0.606426	0.831024	2.155749	1.610467
1173	1.007080	1.072611	1.072611	1.136725	1.250976	0.628491	0.572365	0.939035
1174	0.991539	0.769816	0.769816	0.420877	1.654408	1.042337	1.237111	0.946481
1175	1.056241	1.171346	1.171346	1.076566	0.503076	0.672730	0.620307	1.149681
1176	0.919369	0.943619	0.943619	0.799952	1.410831	0.352187	0.639006	0.953263
1177	0.828976	0.718202	0.718202	1.139442	1.381020	0.820334	1.158780	1.603752
1178	0.898051	0.952008	0.952008	0.721440	1.175752	0.732102	0.681545	1.114630
1179	1.232029	0.995544	0.995544	0.641910	0.439902	0.679447	1.044438	1.077838
1180	1.036435	0.994852	0.994852	0.887585	0.391372	0.316348	4.889105	1.269310
1181	1.019758	0.923501	0.923501	0.987796	1.160904	1.500920	0.643590	1.223887
1182	0.905516	1.322774	1.322774	1.117350	0.221810	0.413961	1.034635	1.040283
1183	0.849813	1.176111	1.176111	0.827865	0.389443	0.772284	2.460237	0.821361
1184	1.109200	0.862030	0.862030	0.688307	0.247570	0.923454	0.538636	1.006296
1185	1.031050	0.674210	0.674210	0.960804	1.377077	0.210324	5.723212	0.917079
1186	0.944331	1.089049	1.089049	0.615176	0.519838	6.081551	1.944411	1.264645
1187	1.100798	0.577742	0.577742	1.143658	0.176747	0.395151	0.544892	1.311336
1188	1.057149	1.030545	1.030545	0.873793	0.412353	0.358851	0.908155	1.249824
1189	0.994092	1.198517	1.198517	0.705104	0.981275	0.889915	2.545512	1.271465
1190	1.036617	1.094616	1.094616	0.778617	1.761031	0.743807	0.894597	1.051982
1191	0.829292	1.129705	1.129705	0.947887	0.468849	2.117021	0.953695	1.235953
1192	1.089280	0.966686	0.966686	0.828488	2.665189	0.207485	0.998200	0.961611
1193	1.054717	1.219898	1.219898	0.808722	2.052963	1.326669	0.543270	1.242089
1194	1.056034	1.232566	1.232566	0.930394	2.727529	0.343419	2.550906	1.186943

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1195	1.029230	0.895757	0.895757	0.858055	0.492343	0.174150	1.832115	1.515715
1196	1.161555	1.161236	1.161236	0.701066	0.918400	0.896242	2.390913	1.197203
1197	1.067101	0.367795	0.367795	1.080962	1.441258	0.307154	1.565604	1.328818
1198	1.165121	1.080866	1.080866	0.314264	0.265500	0.298693	1.224783	1.076162
1199	1.006369	1.046353	1.046353	1.050701	0.717123	0.228843	0.731538	1.150012
1200	0.934385	1.006873	1.006873	0.944996	1.207433	0.345517	2.107445	0.971408
1201	0.875696	0.799221	0.799221	1.026690	0.358637	0.262507	2.824705	1.577661
1202	1.228463	0.915946	0.915946	1.018114	0.984296	3.584313	0.565672	1.454118
1203	0.861627	0.841116	0.841116	0.655715	0.298754	0.995110	0.568416	1.421299
1204	0.971159	0.936779	0.936779	0.721273	0.214982	0.257594	1.005998	1.114073
1205	1.111188	0.942439	0.942439	0.992185	1.059454	0.060711	0.663254	0.992186
1206	1.184634	1.156068	1.156068	0.965990	0.670846	0.393073	1.469042	1.040570
1207	1.002703	0.819125	0.819125	0.205736	1.517125	0.675614	0.784140	0.927154
1208	0.955043	1.182220	1.182220	0.559594	0.313843	0.809557	4.401482	1.056195
1209	0.871478	1.219181	1.219181	1.135327	0.497619	1.230338	2.516972	1.629807
1210	0.981923	1.207942	1.207942	0.568698	0.324052	0.685093	0.691391	1.020575
1211	1.011816	0.875487	0.875487	0.996401	2.564443	0.754196	3.527786	0.968507
1212	0.871945	0.929306	0.929306	0.833611	0.708908	0.680941	1.349107	1.204718
1213	1.098578	0.851851	0.851851	0.951920	0.432569	0.605108	1.129582	1.316463
1214	1.045216	0.716053	0.716053	0.815221	0.363559	0.668221	2.054000	1.134561
1215	0.891625	0.984812	0.984812	0.632691	0.444733	0.161971	0.860621	1.212864
1216	1.120891	0.763230	0.763230	0.907224	2.545000	3.022840	1.691141	1.067301
1217	0.907852	0.939491	0.939491	0.421938	1.334236	0.446584	1.039331	1.527141
1218	1.024602	1.275332	1.275332	0.713758	0.210367	2.828010	0.861760	0.909795
1219	1.101396	1.250022	1.250022	0.663775	1.172759	3.026137	0.617647	1.375130
1220	1.026037	1.063104	1.063104	0.736851	0.780980	0.456268	1.612887	0.885941
1221	1.067823	0.707406	0.707406	0.804244	0.174129	0.978824	1.215173	1.124747
1222	1.043645	1.320041	1.320041	0.817948	0.680039	1.267451	3.208402	1.109844
1223	0.935112	1.049492	1.049492	0.921102	0.229135	0.413725	0.651327	1.070460
1224	1.048451	1.191735	1.191735	0.673184	2.002025	0.676558	1.326487	1.576326
1225	1.017100	0.843030	0.843030	0.932670	0.677449	0.479240	1.257981	0.960886
1226	1.041481	1.070518	1.070518	0.884655	1.738437	0.946025	1.982746	0.998635
1227	0.958015	0.680134	0.680134	0.990661	0.380273	1.649370	0.550607	1.186671
1228	0.865793	0.843365	0.843365	0.488561	2.312837	0.227643	1.978307	1.334787
1229	0.924140	0.725828	0.725828	0.810257	1.372780	2.582258	0.637917	1.239550
1230	1.170649	0.616692	0.616692	0.995379	0.468002	0.405294	3.045959	0.884048
1231	0.998979	1.370279	1.370279	1.038638	0.953513	0.206454	0.590663	1.038640
1232	1.048426	0.697236	0.697236	0.950225	0.677486	1.538618	0.705558	1.185966
1233	0.810358	0.914223	0.914223	0.803289	0.897767	0.352194	1.594643	1.020409
1234	0.958497	0.799187	0.799187	0.543123	0.246039	0.265838	1.634074	0.983313
1235	1.126159	1.406901	1.406901	1.016142	0.264259	0.507878	0.605357	1.349135
1236	1.055287	1.188043	1.188043	1.074916	1.998799	0.298646	2.698142	1.391855
1237	1.104860	0.777952	0.777952	0.548309	0.753229	0.829862	0.825019	0.938973
1238	0.860518	0.569956	0.569956	0.844035	1.499242	0.571839	0.798314	0.854507
1239	0.950529	1.087299	1.087299	0.496147	0.693602	2.433162	0.596631	0.996128
1240	0.819128	1.087198	1.087198	0.721393	1.222596	0.697159	0.684862	1.371348
1241	1.007561	0.972481	0.972481	0.585082	0.268485	2.107797	0.837487	1.694078
1242	0.971852	1.065393	1.065393	0.532052	0.417652	0.300924	2.524191	1.650045
1243	0.941789	0.857859	0.857859	0.778263	0.811457	5.717934	2.077403	1.033554
1244	0.954899	0.979416	0.979416	1.091950	0.457771	0.817483	2.683839	0.943858
1245	0.860813	0.875831	0.875831	1.067407	1.720521	0.480750	1.220291	1.019168
1246	0.871192	0.684142	0.684142	0.634987	1.025226	1.118665	0.529377	1.217816
1247	1.181119	0.969921	0.969921	1.145249	2.416218	0.979850	1.877854	0.985069
1248	1.100919	1.187429	1.187429	0.872270	0.230102	0.458711	0.548015	1.005112
1249	0.964383	1.205926	1.205926	0.550005	1.544629	0.552479	1.080426	1.356991
1250	0.810640	1.248984	1.248984	0.984060	2.985078	0.248697	1.468112	1.515476
1251	1.198101	0.831972	0.831972	1.069192	0.566552	0.094325	2.466829	1.118497

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1252	1.111633	1.368812	1.368812	0.880307	0.986689	1.364193	1.619020	1.397325
1253	1.025850	0.761563	0.761563	0.745763	0.339376	0.302860	0.647843	1.079510
1254	0.989462	1.011012	1.011012	0.879510	0.928368	5.694572	0.863987	1.666942
1255	0.817132	1.333520	1.333520	0.193015	1.081965	0.179646	0.962239	1.267094
1256	1.008200	0.970336	0.970336	0.819438	1.204167	1.808798	3.126914	1.098731
1257	1.088236	0.874076	0.874076	0.487931	0.252753	0.471749	0.729797	1.451441
1258	0.939205	1.240584	1.240584	0.590548	0.315495	0.423525	0.734212	0.971325
1259	0.904956	0.976751	0.976751	0.768415	0.454975	0.288922	5.599391	1.293998
1260	0.985197	0.639465	0.639465	0.887427	0.391094	1.847554	2.076371	1.059332
1261	1.134416	0.681092	0.681092	0.878269	0.434066	2.134413	2.698935	0.953869
1262	1.115833	0.963239	0.963239	0.968125	0.466278	1.544230	3.153972	1.006996
1263	1.095047	1.250612	1.250612	0.783198	0.355702	0.670599	1.063686	1.080982
1264	0.875768	1.236089	1.236089	0.568979	1.738210	6.594295	1.200942	0.881826
1265	0.996502	1.410925	1.410925	1.126987	2.002139	1.265917	1.784512	1.106147
1266	0.921353	1.033672	1.033672	1.128674	1.000664	0.233932	1.463547	1.247361
1267	0.870120	1.069083	1.069083	1.130391	2.557208	0.118420	1.022503	0.944186
1268	1.073186	1.001212	1.001212	0.936752	1.836819	0.654340	0.599411	1.414192
1269	1.112467	1.056607	1.056607	0.811160	0.656977	0.776602	0.895708	1.380852
1270	1.303156	0.968398	0.968398	0.918856	0.511450	1.434158	2.695108	1.275272
1271	0.939557	1.275338	1.275338	0.963507	0.910405	0.304769	1.129055	1.422340
1272	0.935861	0.999344	0.999344	0.787914	0.965412	3.429775	0.660543	0.960207
1273	0.863940	0.834804	0.834804	1.063580	1.716424	0.181579	0.854721	1.222807
1274	1.014253	0.850446	0.850446	0.831097	0.750173	0.555605	0.689111	1.331943
1275	1.055214	1.091981	1.091981	1.053335	0.122550	0.427465	3.871223	1.418187
1276	0.944842	1.145034	1.145034	0.747083	0.772744	2.123138	1.467715	0.901203
1277	0.932667	0.551249	0.551249	0.993510	0.520379	1.521407	1.159603	0.917318
1278	1.005325	1.309611	1.309611	1.125794	0.599443	0.138931	1.968906	1.395613
1279	0.887439	1.263534	1.263534	0.742295	0.109179	0.540438	0.942738	0.908256
1280	1.010077	0.583414	0.583414	0.773575	1.059164	1.458193	0.908617	1.397820
1281	1.100369	0.966152	0.966152	0.661175	2.334212	1.710235	0.997746	1.145795
1282	0.985574	0.891478	0.891478	1.033460	0.207937	1.288924	0.510711	0.900462
1283	1.027458	0.812859	0.812859	1.004793	0.561267	0.427433	1.459974	1.094402
1284	1.040349	0.659826	0.659826	0.623051	0.447234	0.582551	1.476526	0.809763
1285	0.950023	0.914153	0.914153	0.525443	1.474361	0.683336	2.849273	1.189059
1286	0.861279	0.979949	0.979949	0.898392	0.296195	0.665918	1.540139	1.195446
1287	1.040328	0.974077	0.974077	1.047213	0.859308	0.288887	1.294924	1.012154
1288	1.026092	0.552602	0.552602	0.930240	0.484398	0.906973	5.463722	1.369899
1289	0.996351	1.000721	1.000721	1.127946	1.531336	0.288612	1.722378	1.543658
1290	1.120544	0.989958	0.989958	0.908905	2.632891	1.789821	1.117543	1.160120
1291	0.967686	0.701309	0.701309	0.585927	0.803608	0.932559	1.240663	0.943462
1292	1.047451	1.180116	1.180116	1.020405	0.240774	0.756125	0.674340	1.643286
1293	1.023093	1.059893	1.059893	0.946904	0.394106	0.640935	4.916892	1.336233
1294	0.858691	0.853138	0.853138	1.020396	0.983153	0.368764	0.658227	1.284945
1295	0.997839	1.242192	1.242192	0.867962	0.389763	0.727679	0.681426	0.948122
1296	1.063156	0.843182	0.843182	1.031542	0.676989	3.932112	0.637093	0.833588
1297	1.068958	1.272136	1.272136	0.332938	0.703218	0.991445	3.057052	1.451306
1298	0.946090	0.903423	0.903423	0.924530	1.850883	0.261439	2.105581	0.918481
1299	0.874441	1.025566	1.025566	0.978768	0.463801	3.103050	1.629879	0.983674
1300	1.106474	0.689560	0.689560	1.080585	0.260276	0.309988	3.169929	1.377047
1301	0.865015	1.152597	1.152597	0.640047	0.946637	1.199951	2.129438	1.344802
1302	0.972539	1.005384	1.005384	0.958151	1.474163	0.589426	1.263748	1.076588
1303	1.034471	0.828711	0.828711	0.925944	0.353242	0.412390	0.980891	1.010311
1304	0.920396	1.031337	1.031337	0.669869	2.590199	2.031037	0.562690	1.063740
1305	1.161287	1.311062	1.311062	0.894509	0.246099	1.112012	4.639723	1.555722
1306	0.830057	1.417420	1.417420	0.685150	0.126427	0.148958	0.627087	1.361721
1307	1.041941	0.981509	0.981509	0.885339	0.859779	1.718041	0.551902	1.177242
1308	0.823611	0.981220	0.981220	0.815736	1.025949	1.003130	1.197890	1.088518

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1309	1.144631	0.950510	0.950510	0.888378	0.314765	0.365670	0.877607	1.100885
1310	1.000327	1.158286	1.158286	0.895002	0.432544	0.637705	1.032864	0.825056
1311	0.916407	1.085879	1.085879	1.008997	0.732437	0.339626	5.729641	1.383661
1312	0.945193	0.481532	0.481532	0.788376	0.933526	0.795703	0.585210	0.826686
1313	0.960780	0.973002	0.973002	0.653717	1.049203	0.972506	0.555378	0.959046
1314	0.811110	1.015001	1.015001	0.843660	0.137622	0.605012	0.850162	1.347969
1315	1.122039	1.371382	1.371382	0.507932	0.307468	0.402743	0.778340	1.330023
1316	0.904325	1.002212	1.002212	0.648246	0.251112	1.237773	0.562017	1.370316
1317	0.993315	0.896421	0.896421	0.915364	1.346546	1.905993	0.790226	1.534401
1318	0.886122	0.861100	0.861100	0.904569	0.276561	1.786384	0.918605	1.014331
1319	0.912698	0.944445	0.944445	0.978137	2.624539	2.539575	1.240006	0.862999
1320	1.022120	1.000937	1.000937	1.085270	0.762644	0.280366	0.674888	0.985009
1321	1.154805	0.855493	0.855493	1.051118	0.450466	2.442133	1.031754	1.619116
1322	1.175388	0.956356	0.956356	0.815002	0.429410	0.717172	1.161306	0.999092
1323	1.057484	1.125569	1.125569	1.019503	0.277642	1.140480	1.382485	1.568954
1324	0.988866	1.375943	1.375943	1.007330	0.746849	0.367213	1.009584	0.945647
1325	0.940236	1.079869	1.079869	0.806846	0.995147	2.180848	1.105708	1.351045
1326	0.959867	1.168187	1.168187	0.676609	1.044245	0.225095	3.442409	1.242336
1327	0.978857	1.138223	1.138223	0.554785	0.174293	1.856066	2.038301	1.472102
1328	1.013811	0.855291	0.855291	0.960401	0.352033	0.214751	1.469979	0.944821
1329	1.038990	1.319874	1.319874	1.046492	0.985118	1.446016	0.827109	0.974419
1330	0.801865	1.213012	1.213012	0.919680	1.980690	0.309594	0.758964	1.235362
1331	1.052105	0.839138	0.839138	0.728355	1.633690	0.541840	1.090540	1.107546
1332	1.100618	1.032645	1.032645	1.086003	0.301058	1.045055	1.438208	0.885735
1333	0.846428	1.125286	1.125286	1.053703	0.809087	2.317138	0.849094	1.287751
1334	1.124739	0.936602	0.936602	0.571426	0.388977	0.722790	1.217561	1.192501
1335	0.961949	1.153796	1.153796	0.579608	0.170426	0.510795	0.559158	1.444532
1336	0.973699	1.265710	1.265710	0.984128	0.878126	0.767367	0.772752	1.018763
1337	1.040781	0.770116	0.770116	1.007634	1.071720	1.205780	2.457042	1.098143
1338	0.783710	0.713098	0.713098	0.270721	0.643003	1.365217	2.153941	0.876507
1339	0.973315	1.265128	1.265128	0.814367	0.444383	2.917391	0.656984	1.438022
1340	0.961769	0.750520	0.750520	0.884840	0.308687	0.377371	0.564272	0.954153
1341	0.958490	1.162334	1.162334	0.690753	0.789524	0.127618	0.762183	1.158326
1342	1.016629	0.840420	0.840420	0.771980	3.038528	0.096279	1.158117	1.112926
1343	1.076895	1.096898	1.096898	0.941671	0.525799	1.389411	0.681784	1.072799
1344	0.811917	0.941170	0.941170	0.750623	0.736308	0.938295	0.831983	1.061169
1345	1.004397	0.851715	0.851715	1.139662	0.283023	0.274588	0.562552	1.340307
1346	1.204925	0.816602	0.816602	1.004117	1.049557	0.352508	0.520690	1.150552
1347	0.927775	1.093336	1.093336	1.140696	0.333464	0.976503	2.314592	1.179631
1348	0.960479	0.850768	0.850768	1.113521	1.689724	1.303600	0.607904	0.973862
1349	1.039213	0.559536	0.559536	0.884925	1.070618	0.268101	0.542288	1.030134
1350	1.095076	1.134530	1.134530	1.029108	1.256764	0.146983	0.677435	1.231024
1351	1.033810	1.187708	1.187708	0.920767	0.660216	1.558515	1.513711	0.932948
1352	0.917843	0.875592	0.875592	0.842068	0.307891	0.568878	3.041554	0.919985
1353	0.901493	1.137209	1.137209	0.777271	0.372104	0.767045	0.620547	1.340698
1354	1.216123	1.038599	1.038599	1.051212	0.473724	2.095781	0.972325	0.999512
1355	1.049643	1.081501	1.081501	0.711062	0.247886	1.015677	1.006808	1.299967
1356	0.981122	0.900602	0.900602	0.537891	0.777684	0.953546	5.378578	1.255996
1357	1.160442	0.969642	0.969642	0.803745	0.752034	0.543435	1.146475	1.366180
1358	1.261089	1.404987	1.404987	1.066770	0.535994	0.538685	0.512163	0.933710
1359	1.047433	0.989435	0.989435	0.922806	0.257662	0.449592	0.836273	1.111763
1360	0.789414	0.653595	0.653595	0.898378	0.381661	2.883567	2.615653	1.397626
1361	0.896590	1.262010	1.262010	0.898840	0.450828	0.145224	0.869082	1.312787
1362	0.889573	1.206269	1.206269	1.111107	0.232991	3.828064	1.126997	1.073488
1363	1.176081	0.816591	0.816591	0.509770	1.093401	1.183060	1.690954	1.042988
1364	1.118427	0.967470	0.967470	1.068388	0.229677	0.154357	0.572713	1.037270
1365	0.890725	1.379629	1.379629	0.794939	0.590753	0.639915	0.813608	0.955749

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1366	0.911805	0.841182	0.841182	0.921489	0.177282	1.645787	0.686100	1.303572
1367	0.832812	1.234307	1.234307	0.871384	1.370691	1.577826	1.758427	1.065859
1368	0.868244	0.790956	0.790956	0.923370	0.505039	0.234502	0.784269	1.413206
1369	1.117195	1.287116	1.287116	0.919044	0.154799	0.290330	1.182095	0.825025
1370	0.834910	1.159042	1.159042	1.020502	0.497736	0.362211	0.746020	1.544062
1371	0.947079	0.740276	0.740276	0.757078	1.037767	1.535283	1.215375	1.099385
1372	1.136571	1.171151	1.171151	0.872073	0.136496	0.198487	0.647460	1.655170
1373	0.882931	1.259457	1.259457	0.910284	1.228363	0.554545	1.139875	1.065581
1374	0.998142	1.153487	1.153487	0.458025	0.747054	2.267236	0.995413	1.243269
1375	0.984915	1.012722	1.012722	0.754098	1.132918	1.651222	4.353738	1.101811
1376	0.920210	1.167943	1.167943	0.779805	0.186549	0.152827	0.526806	1.017214
1377	1.114313	1.118522	1.118522	0.936945	0.435574	0.404413	0.850552	1.597637
1378	1.031958	0.783989	0.783989	0.875785	0.715275	0.189391	0.874543	1.512640
1379	0.960255	1.096312	1.096312	0.878005	0.460192	0.712295	1.076409	1.096846
1380	1.270517	0.806491	0.806491	0.888069	2.987443	6.450553	1.440485	1.279248
1381	0.948628	1.260071	1.260071	1.132248	1.144978	1.525810	0.521880	1.114430
1382	0.921528	1.205392	1.205392	0.463432	1.339604	0.752556	0.910250	1.664754
1383	1.066172	1.036854	1.036854	0.934342	0.768831	0.542344	1.405935	1.537826
1384	1.147336	1.210963	1.210963	0.885054	0.648197	0.472609	5.352709	1.196099
1385	0.879366	0.938342	0.938342	0.777337	1.838967	1.392588	5.019861	1.082912
1386	0.929091	0.854583	0.854583	0.856303	0.229514	2.156251	0.535388	1.025843
1387	1.075014	0.820937	0.820937	0.948999	0.464007	3.254473	0.581820	0.948750
1388	0.924493	1.081027	1.081027	0.861199	0.844933	0.255297	1.271101	0.922203
1389	0.989589	1.308537	1.308537	0.977700	0.402856	1.477742	1.246596	1.417789
1390	0.975178	1.124958	1.124958	0.855476	0.883425	0.091152	1.838953	1.000113
1391	1.027401	0.885314	0.885314	0.635121	1.584017	2.051132	2.879147	1.044846
1392	1.002707	0.594201	0.594201	1.084589	0.585582	1.713303	0.772327	1.304220
1393	1.086348	0.990107	0.990107	0.342528	0.375976	0.784469	0.639512	1.075894
1394	0.970636	0.591250	0.591250	1.045846	1.924269	2.112924	2.360370	1.262410
1395	0.972815	1.213485	1.213485	0.983900	0.738681	0.580058	0.684112	1.438276
1396	1.345539	1.327044	1.327044	0.953797	0.535165	1.086424	2.237236	1.123370
1397	1.033410	1.069927	1.069927	0.784099	0.604628	0.220005	5.411342	1.060213
1398	1.020637	1.160559	1.160559	0.528605	0.399788	0.398698	0.789198	1.314179
1399	1.097944	0.946926	0.946926	0.776620	0.577789	0.175319	1.378973	1.011299
1400	1.101655	1.055070	1.055070	0.428397	0.445909	0.888727	0.748366	1.027327
1401	1.120838	0.497798	0.497798	1.028088	0.567761	1.133903	3.768135	1.198655
1402	1.025947	1.213100	1.213100	0.717035	2.018582	0.735769	0.644803	1.258162
1403	1.047248	1.159120	1.159120	0.967922	0.943752	0.727876	1.042731	1.410722
1404	0.963290	0.780820	0.780820	0.583696	0.390294	0.185830	0.907107	0.940286
1405	0.862255	1.149723	1.149723	1.003100	2.998630	0.065246	2.977417	0.933538
1406	1.030168	0.685928	0.685928	0.642615	1.903003	0.154383	4.981407	0.928197
1407	1.040080	1.236218	1.236218	0.987036	0.486752	3.217276	2.855885	1.641979
1408	0.933675	1.407748	1.407748	0.893983	1.364462	0.768726	0.765620	1.247196
1409	0.866696	1.097413	1.097413	0.860586	2.348275	0.528997	3.535674	1.348229
1410	1.041049	0.430640	0.430640	0.748407	0.655671	0.613796	4.552170	1.059438
1411	1.260739	0.510542	0.510542	1.035017	0.309415	0.522523	1.330893	0.919923
1412	0.964731	1.176792	1.176792	0.779242	0.334901	0.165226	2.371026	1.007341
1413	1.002910	1.289415	1.289415	0.897211	0.727963	1.522266	1.269366	1.022072
1414	0.880461	0.709791	0.709791	0.936256	2.045216	0.260995	1.128009	1.096423
1415	1.119526	0.471660	0.471660	1.018723	0.377076	0.595219	0.951755	0.980950
1416	1.076490	1.108387	1.108387	0.997038	0.812486	1.221184	1.466281	1.521337
1417	1.054959	0.619875	0.619875	0.901815	0.473486	1.431307	3.530725	1.226323
1418	0.935118	1.164120	1.164120	0.851770	0.204794	0.300689	0.938399	1.414711
1419	1.163179	0.796249	0.796249	0.918981	0.321388	2.249235	1.937507	1.136373
1420	1.075387	0.788475	0.788475	0.901450	0.997242	0.063504	1.155596	1.034914
1421	1.081918	0.763795	0.763795	1.015777	0.304514	2.622635	0.572978	1.213147
1422	1.095274	1.127041	1.127041	0.471989	1.207135	1.569456	0.668576	1.113564

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1423	1.178784	0.854939	0.854939	0.779465	0.261422	0.239234	0.507798	0.778157
1424	0.962031	0.960921	0.960921	1.079682	2.575053	0.396690	0.884739	1.444620
1425	1.047066	0.930388	0.930388	0.884252	0.887246	0.262911	0.582665	0.819935
1426	1.168225	1.270976	1.270976	0.549604	0.330450	0.065018	2.894848	1.138067
1427	1.098887	0.642000	0.642000	0.816993	0.468270	1.772264	0.645987	1.272552
1428	0.907592	0.794343	0.794343	0.838688	0.583448	0.628189	0.840067	1.139835
1429	1.268773	0.916322	0.916322	0.648047	0.716899	0.788592	2.836782	0.990308
1430	1.094438	0.761866	0.761866	0.697890	0.605221	1.120063	0.831179	1.041717
1431	0.972845	1.212306	1.212306	0.576757	1.088144	1.860919	0.600598	1.018502
1432	0.995653	0.963238	0.963238	0.636026	0.748847	2.465267	2.764205	0.957372
1433	0.872337	0.930758	0.930758	0.811590	2.651910	1.291691	1.556830	1.099043
1434	1.025592	1.260602	1.260602	1.104907	1.042865	0.237848	1.621579	1.013308
1435	1.148755	0.997014	0.997014	1.128816	0.566127	0.604476	0.569293	0.933410
1436	0.893479	0.820236	0.820236	0.661620	0.603920	1.721594	1.705207	1.365902
1437	0.939591	1.240745	1.240745	1.085337	0.893097	1.266401	1.795516	0.952248
1438	1.042289	0.940621	0.940621	0.843315	1.054478	1.568280	4.630785	1.320729
1439	0.961705	0.796542	0.796542	0.893555	0.382519	2.109311	1.024255	1.005350
1440	1.012256	1.302273	1.302273	0.799221	0.168015	0.355014	1.221783	1.049365
1441	0.820015	1.168706	1.168706	1.140873	0.486289	0.234231	1.530993	1.258672
1442	1.020606	1.101904	1.101904	1.016622	0.295428	0.723626	1.119673	1.086984
1443	1.025300	1.361044	1.361044	0.836603	0.372320	1.080479	0.586908	1.154540
1444	1.034744	1.205362	1.205362	0.168105	1.158565	2.142179	0.760967	1.230646
1445	0.847747	0.870938	0.870938	0.788714	0.996249	0.428965	1.427658	1.029075
1446	1.077468	1.295210	1.295210	1.053237	0.858862	0.257798	1.208949	1.143072
1447	1.149234	1.319250	1.319250	0.782868	0.248478	0.157391	0.600048	1.043704
1448	1.075684	1.149405	1.149405	0.754303	0.379789	0.081654	0.736238	1.070448
1449	0.736540	0.521989	0.521989	0.732069	1.010921	1.872441	0.674068	1.123147
1450	0.991870	1.098308	1.098308	0.282832	0.701199	1.102584	5.916965	1.011059
1451	1.062889	0.891074	0.891074	1.128962	0.603738	0.662804	0.518506	1.393370
1452	1.091917	0.919736	0.919736	1.043497	2.393186	0.228118	0.868146	1.347015
1453	0.933450	1.441141	1.441141	0.899015	0.451179	0.235231	0.865088	1.252133
1454	0.975388	0.828673	0.828673	0.845164	0.889244	2.446423	0.724362	1.530173
1455	1.062357	1.015414	1.015414	0.679413	0.561191	1.257066	1.573989	0.977162
1456	1.008212	0.482366	0.482366	1.118561	1.419537	1.301107	0.534371	1.119584
1457	0.891841	0.954594	0.954594	0.523052	1.196129	1.459828	1.062192	1.145595
1458	0.852227	0.802499	0.802499	0.171898	0.858488	0.187699	0.796512	1.559865
1459	1.110186	1.063564	1.063564	0.866150	0.847634	0.652206	1.629310	1.585965
1460	0.967429	1.059216	1.059216	0.763759	0.512742	2.156022	1.104052	1.413827
1461	1.008512	1.019974	1.019974	0.702360	0.906793	0.609870	0.548580	1.622735
1462	0.975902	1.240770	1.240770	1.057988	0.848937	0.788316	1.730205	1.128088
1463	0.938669	0.996245	0.996245	0.426416	1.549585	0.138315	5.669546	1.358322
1464	0.889008	0.755967	0.755967	1.117237	1.996840	0.513322	0.856986	1.135649
1465	0.869119	0.965000	0.965000	0.803051	0.785019	0.076400	1.481040	1.324210
1466	1.053636	0.830536	0.830536	1.063698	1.704882	0.738808	0.729803	0.968358
1467	0.985672	1.281700	1.281700	0.891091	0.238173	0.262873	0.826210	1.042933
1468	1.043916	0.631806	0.631806	1.093425	1.765852	2.548390	0.994307	0.919593
1469	0.872779	1.384299	1.384299	1.012352	1.955077	0.374856	4.704775	1.342449
1470	1.160917	0.809770	0.809770	0.790161	0.801475	0.102103	1.700550	1.109644
1471	1.043327	1.168703	1.168703	0.948038	0.269181	0.697430	2.847030	0.912555
1472	0.785152	0.691378	0.691378	0.987498	0.612184	0.261533	0.864123	1.049672
1473	1.109548	0.910519	0.910519	0.996988	2.537671	0.209187	2.096773	1.131770
1474	1.006940	1.200443	1.200443	0.753454	0.651044	0.581190	0.608930	1.244645
1475	0.932064	0.758922	0.758922	0.572710	0.531089	0.615712	0.721284	1.165531
1476	0.974474	1.112458	1.112458	0.984820	1.097739	0.248961	1.892695	0.895372
1477	0.937578	0.906560	0.906560	0.789324	0.175877	0.671940	2.100297	0.926178
1478	0.902822	1.350172	1.350172	1.089145	0.917918	0.531916	1.702076	1.408783
1479	0.999913	0.831667	0.831667	0.632357	1.499263	0.314501	1.445755	1.278628

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1480	0.886055	1.107962	1.107962	0.919173	1.236876	0.257652	0.548779	1.388838
1481	0.852465	0.983908	0.983908	0.588807	1.065288	1.006822	4.172327	1.332629
1482	0.972377	0.955193	0.955193	1.008103	0.866132	0.255075	3.064355	1.544509
1483	0.910520	1.157494	1.157494	0.545675	0.417615	4.838029	1.271268	1.347690
1484	0.923577	0.769249	0.769249	1.015134	0.599382	0.434227	2.282453	1.206868
1485	1.081752	1.443332	1.443332	0.699004	0.326942	0.824119	1.336029	1.166324
1486	1.072365	0.676129	0.676129	1.090153	0.603685	3.858119	0.985033	1.079578
1487	1.064974	0.840533	0.840533	1.042765	0.144484	1.313913	0.970184	0.960988
1488	1.090178	1.413926	1.413926	0.702710	0.354670	0.679819	5.017393	1.128799
1489	0.959266	0.582249	0.582249	0.748098	2.421115	0.105493	0.503535	1.262385
1490	0.784049	0.990507	0.990507	0.915704	0.158391	0.682161	0.954352	1.576748
1491	1.130327	0.964841	0.964841	0.897940	0.555230	0.143318	1.401842	1.319562
1492	0.963587	1.257036	1.257036	0.882762	2.616459	1.825830	1.922807	0.930138
1493	0.980377	0.699241	0.699241	0.436671	0.631870	1.163874	4.052885	1.105121
1494	1.001761	1.003730	1.003730	0.576908	0.307352	0.559012	0.539526	1.049979
1495	0.888324	0.795817	0.795817	0.820806	0.439302	0.302222	0.509355	1.250071
1496	0.932407	1.335295	1.335295	0.713371	0.313606	0.534371	2.575847	1.315347
1497	1.012838	1.003881	1.003881	1.008629	0.510585	0.408709	1.271915	1.038664
1498	1.048000	0.856146	0.856146	0.578897	1.768802	0.878367	1.043480	0.920945
1499	1.010219	0.643973	0.643973	0.691991	1.681403	1.612174	0.748816	1.026664
1500	1.030605	1.125892	1.125892	1.040325	0.115945	1.381657	1.993643	0.968015
1501	1.000493	0.938049	0.938049	1.016278	0.203701	2.319888	0.669744	1.080931
1502	0.921152	1.262307	1.262307	0.918825	0.532099	0.212732	2.460779	1.067562
1503	0.917828	1.089126	1.089126	0.926683	0.187891	2.473338	0.755903	1.119895
1504	1.114997	0.785140	0.785140	0.991574	0.685496	0.712668	0.721494	1.238934
1505	0.862273	1.164644	1.164644	0.191617	1.352797	0.291171	2.315711	1.049930
1506	1.017710	0.832817	0.832817	0.626698	0.595351	0.489611	0.548125	1.216531
1507	0.912538	0.782472	0.782472	0.900667	0.621808	0.334448	0.916826	1.291726
1508	0.907527	0.818172	0.818172	1.032543	0.219871	1.684958	1.036302	1.070146
1509	1.080968	0.996453	0.996453	0.566542	0.565795	0.436852	1.264418	1.018989
1510	1.073644	0.950504	0.950504	0.427218	0.297263	0.224981	0.887235	1.195202
1511	1.043232	1.313009	1.313009	0.543207	1.975954	0.225945	0.961829	1.498746
1512	1.042725	0.911335	0.911335	0.761832	0.401174	1.438543	1.989088	1.155868
1513	1.073957	0.972228	0.972228	0.930269	2.333584	3.424205	0.594405	1.229096
1514	0.913312	1.287832	1.287832	0.619259	1.208594	0.487022	0.615331	0.943212
1515	0.872099	0.859048	0.859048	1.032298	1.324593	3.084211	1.412713	1.102149
1516	1.171722	0.797427	0.797427	0.890743	1.848554	0.343054	0.806605	1.045488
1517	0.961268	0.420793	0.420793	0.888768	0.860234	1.073452	0.709183	1.099887
1518	0.912571	1.007336	1.007336	0.956169	1.971117	3.504361	3.065038	1.389861
1519	0.945165	0.648753	0.648753	0.984204	0.507775	0.105360	1.010794	1.117187
1520	0.997271	0.572098	0.572098	1.045081	0.380280	0.130377	1.376735	1.338967
1521	0.779683	0.850480	0.850480	0.622263	0.284319	0.864514	1.470701	1.037981
1522	1.057691	1.133308	1.133308	1.046381	0.277510	3.242576	3.188184	1.628728
1523	1.040941	1.084506	1.084506	0.569871	0.350691	0.204934	1.885303	1.209297
1524	1.090798	0.963118	0.963118	0.799998	0.194965	0.575812	1.426470	1.600018
1525	1.068408	1.214808	1.214808	0.634185	0.702454	2.488652	1.610152	1.562791
1526	0.823967	0.795408	0.795408	0.833308	0.805254	0.531585	1.377405	1.053034
1527	1.088731	1.239112	1.239112	1.085174	0.895456	0.563088	1.279449	0.958873
1528	0.943977	1.053850	1.053850	0.718534	0.606769	1.839742	0.516337	1.008766
1529	1.002464	0.869174	0.869174	1.116720	0.621981	0.424212	2.002882	1.259851
1530	1.125606	1.149631	1.149631	0.914115	0.328214	1.093641	0.578160	1.037959
1531	0.839973	0.747826	0.747826	0.943704	0.794055	1.469193	3.171131	1.146332
1532	0.977412	1.239174	1.239174	0.657962	1.125328	1.767815	0.791785	1.545916
1533	1.181741	1.067880	1.067880	0.658842	0.675052	0.553774	0.697239	1.357696
1534	0.976548	0.694787	0.694787	1.022870	0.287161	0.328620	1.722017	0.999478
1535	0.685470	0.976601	0.976601	1.022481	1.258142	1.170131	0.662263	1.072037
1536	0.957962	1.205489	1.205489	0.947575	1.086500	0.272623	0.817637	0.904853

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1537	1.019869	0.812605	0.812605	1.072740	0.676537	0.555982	0.739862	1.610937
1538	0.901495	1.040960	1.040960	0.685455	0.532435	1.328763	1.071635	1.151834
1539	0.867541	1.021531	1.021531	0.949558	0.414878	0.307109	0.552780	1.536367
1540	0.924247	0.907277	0.907277	1.040212	0.561924	0.394934	0.932468	0.957929
1541	1.051691	0.590110	0.590110	0.702031	0.506639	0.237787	1.565310	1.262743
1542	1.040443	0.818551	0.818551	1.107936	0.136539	0.848551	0.665416	1.225757
1543	0.878153	1.058171	1.058171	1.017388	1.905352	0.098790	1.195118	1.137031
1544	0.976355	0.507098	0.507098	0.670526	0.555711	0.874093	1.235153	1.247408
1545	0.920242	1.287785	1.287785	0.956558	0.780314	0.994649	0.790964	1.158396
1546	0.996069	1.109167	1.109167	0.853194	0.365367	0.383167	0.866634	0.784575
1547	1.116764	0.946697	0.946697	0.933985	2.713296	0.320374	1.555896	1.175074
1548	0.958711	0.628356	0.628356	0.922018	0.464676	0.122292	0.966786	0.941898
1549	1.173497	1.211135	1.211135	1.140549	1.079673	0.570808	2.038938	0.786504
1550	1.077366	1.104177	1.104177	0.647972	0.940107	0.272865	0.619061	1.295686
1551	0.884808	0.670345	0.670345	1.075445	0.336451	0.650213	1.830377	1.513107
1552	1.138112	1.448100	1.448100	0.691605	1.022975	0.465051	2.043495	1.211119
1553	1.125608	0.872146	0.872146	0.750795	1.550598	0.213268	1.468525	1.127971
1554	1.067075	1.058174	1.058174	1.051327	0.491593	2.241833	0.804487	1.059687
1555	0.989142	0.639180	0.639180	0.988569	1.828636	2.062315	1.241012	1.316527
1556	1.085279	1.041608	1.041608	1.032835	1.383304	1.270729	0.555883	1.032722
1557	1.157710	1.171002	1.171002	0.761713	1.687052	0.474037	0.979142	1.351031
1558	0.925013	0.953282	0.953282	1.111730	1.343439	0.207194	1.722679	1.131979
1559	1.114000	0.858904	0.858904	0.929165	1.450073	0.464118	0.981756	1.030438
1560	1.006117	0.912596	0.912596	0.732717	1.525247	0.292097	2.566072	1.241721
1561	0.943622	0.957145	0.957145	0.898554	0.474972	0.256861	1.458301	0.967456
1562	1.053952	1.083790	1.083790	0.587380	0.791502	0.224028	1.382206	1.316913
1563	1.002082	1.219468	1.219468	0.862483	0.466350	2.825283	1.508720	1.591525
1564	0.871217	0.892916	0.892916	1.029769	0.704446	0.743460	0.943521	1.347176
1565	1.007532	1.232275	1.232275	0.179460	1.137120	2.886478	3.551323	1.554266
1566	0.959680	0.994701	0.994701	0.754660	0.774687	0.953207	4.618365	1.533392
1567	0.921704	1.066859	1.066859	1.135684	0.845743	1.988711	2.861782	0.899111
1568	0.894534	0.597843	0.597843	1.106328	0.212632	0.687979	0.927147	0.860265
1569	1.044097	1.010179	1.010179	0.687293	1.834792	0.709824	0.525809	1.216040
1570	0.985860	1.157579	1.157579	0.875441	0.186298	0.943604	0.625856	1.115776
1571	0.889202	0.605413	0.605413	0.807924	0.339088	0.780232	3.168748	1.406480
1572	0.965894	0.947432	0.947432	1.046426	0.938671	1.571746	5.282595	0.819340
1573	1.012775	1.144209	1.144209	0.644607	1.624908	0.411032	0.643380	1.171274
1574	0.972834	0.940172	0.940172	1.036750	2.449988	0.265662	1.021372	1.124895
1575	1.054813	0.879641	0.879641	1.019071	1.570233	0.840025	0.789686	0.973992
1576	0.969568	1.343735	1.343735	0.680141	0.214416	1.103084	1.681437	1.470925
1577	1.093988	1.090247	1.090247	0.803603	2.025590	0.554197	0.582882	1.387616
1578	0.951296	1.322538	1.322538	0.664159	0.494204	0.714857	0.786833	1.252040
1579	0.911020	0.978920	0.978920	1.123662	0.952524	0.748618	0.878399	1.220450
1580	0.969293	0.872314	0.872314	1.045505	0.166788	0.155909	1.234279	1.323532
1581	1.093456	1.206830	1.206830	0.872967	0.319416	0.334027	0.750079	0.945796
1582	1.056104	1.086087	1.086087	0.854622	0.171784	0.469505	0.998398	1.113316
1583	1.097131	0.689745	0.689745	0.375571	2.516956	0.214999	0.797201	1.230201
1584	1.178909	1.354467	1.354467	0.965351	0.725944	0.754937	5.347776	1.059141
1585	0.885159	0.786224	0.786224	0.957927	1.062019	1.046825	0.641351	0.974227
1586	1.172059	1.151601	1.151601	0.595602	0.562866	5.147827	3.630014	1.296873
1587	0.882187	1.002374	1.002374	0.591836	1.085334	0.715051	0.625231	1.151135
1588	1.005143	0.779845	0.779845	0.636175	1.207754	0.740235	0.552296	0.945555
1589	0.891039	1.083151	1.083151	0.711414	0.254391	1.677615	3.071654	1.045153
1590	1.132135	1.083588	1.083588	0.746861	0.172216	0.179548	2.727014	0.957644
1591	0.917851	1.183116	1.183116	1.104271	0.230487	0.450006	0.604357	1.113419
1592	1.157279	0.939051	0.939051	1.013713	0.229247	0.275557	0.858369	0.976281
1593	1.006005	0.255438	0.255438	0.987402	0.291958	0.887782	0.895155	0.969584

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1594	0.852671	0.833814	0.833814	1.062071	1.526664	0.322606	0.521421	0.975630
1595	1.052362	0.938354	0.938354	0.470534	0.642315	2.571909	1.875156	1.043682
1596	1.145159	0.965642	0.965642	0.971086	0.560300	2.429149	1.607469	1.446793
1597	0.944181	0.918726	0.918726	0.736841	0.609632	0.424727	5.659029	1.051706
1598	0.924243	0.916739	0.916739	0.920207	0.800504	0.532883	1.377815	1.193502
1599	1.261858	0.793825	0.793825	1.142650	0.299892	0.535502	1.163332	1.069482
1600	1.110584	0.613350	0.613350	0.967376	0.241927	1.580149	0.863730	1.089156
1601	0.839440	0.780702	0.780702	0.944790	1.117294	0.934210	0.558444	0.880941
1602	1.046169	1.025069	1.025069	0.887803	1.851566	1.318821	1.097800	0.949672
1603	0.854268	1.216485	1.216485	0.813946	1.404326	0.553563	2.575703	0.870514
1604	1.072553	0.609043	0.609043	1.052945	0.303734	1.214234	0.567005	0.951416
1605	1.142162	0.783751	0.783751	0.982843	0.406457	0.554806	0.712858	0.934032
1606	1.077619	1.104097	1.104097	0.899668	0.991035	0.190252	1.914004	0.795149
1607	0.884186	0.809181	0.809181	0.748697	2.185004	0.094603	1.652665	0.859789
1608	0.993049	0.663153	0.663153	0.979365	0.553378	1.211474	3.849163	1.045266
1609	1.058118	0.754612	0.754612	0.959765	0.358695	1.348275	0.918380	1.271602
1610	1.040529	0.565910	0.565910	0.745724	2.204492	1.041762	2.617491	0.954785
1611	0.902967	1.152194	1.152194	0.778184	1.111005	1.044569	0.978495	1.026711
1612	1.128892	1.023505	1.023505	0.959638	0.515365	0.346831	2.650029	1.210686
1613	0.908704	0.357454	0.357454	1.137222	1.465306	1.735551	0.580057	0.840882
1614	0.928595	0.983881	0.983881	0.709913	1.901593	0.102278	1.025529	1.332072
1615	1.091437	0.673246	0.673246	0.719246	0.450474	0.259553	1.027126	1.289798
1616	1.101907	1.135362	1.135362	0.864134	0.683303	0.314526	0.661497	1.223107
1617	0.989440	0.754393	0.754393	0.819438	0.276762	1.546293	0.930600	1.576212
1618	0.960175	1.197644	1.197644	0.672859	0.948259	0.453951	0.756523	1.056251
1619	1.147239	0.725529	0.725529	0.460783	1.040911	0.360362	0.681544	1.040476
1620	1.135157	0.934481	0.934481	0.346015	1.355160	1.180673	0.814475	1.559821
1621	1.081171	0.938049	0.938049	0.934411	1.323234	1.040871	1.083887	0.982719
1622	1.011369	0.751887	0.751887	0.996112	0.601491	1.215625	1.236123	1.098717
1623	1.085269	1.124401	1.124401	1.088851	1.280623	2.497574	0.997888	0.946158
1624	0.994739	0.807822	0.807822	0.968503	0.256706	1.354214	0.625064	1.436629
1625	0.948262	0.838161	0.838161	0.992811	1.418152	0.612736	1.635292	1.332373
1626	1.084139	1.090813	1.090813	0.888444	0.702715	0.937600	1.419893	1.155808
1627	1.009683	1.022236	1.022236	0.758952	1.401058	0.077064	1.728170	1.038704
1628	1.182126	1.411922	1.411922	0.995311	0.223014	0.674132	2.130794	1.358638
1629	1.010445	0.923395	0.923395	0.780584	0.249121	0.217618	1.901704	1.240020
1630	0.944375	1.307885	1.307885	1.024880	0.561080	0.337943	1.181344	1.606885
1631	1.013593	0.946681	0.946681	0.528501	0.634360	0.382770	1.006297	1.074517
1632	0.895550	0.915337	0.915337	0.769995	0.922168	0.505878	5.490889	0.944975
1633	0.986770	0.949379	0.949379	1.116765	0.337297	0.677884	2.401259	1.336146
1634	0.907702	1.064590	1.064590	0.446415	0.395448	1.142920	4.707320	0.894510
1635	0.956302	0.718190	0.718190	0.896841	1.055925	0.322044	0.718157	1.256140
1636	1.083015	1.192677	1.192677	0.616535	0.623827	0.773873	0.848583	1.117925
1637	1.066942	1.033249	1.033249	0.461776	1.088312	1.916851	5.853576	1.410143
1638	0.931147	1.006399	1.006399	0.598714	1.245375	0.537251	1.779593	1.188804
1639	1.013693	0.968985	0.968985	0.565538	1.461780	1.302363	0.612530	1.171208
1640	0.992487	1.083984	1.083984	1.146377	0.131088	2.221218	2.055051	1.251044
1641	0.972184	0.829137	0.829137	1.023413	0.686108	2.940880	3.919774	1.029771
1642	1.014269	1.153519	1.153519	0.802808	0.471328	0.931522	1.412745	1.385649
1643	0.981240	1.267845	1.267845	0.740555	0.993253	0.146814	0.544653	1.455847
1644	1.076926	0.974870	0.974870	1.123961	1.222446	0.321708	0.594531	1.187367
1645	1.004428	1.202134	1.202134	0.624739	2.151457	0.494540	0.610419	1.469584
1646	0.965596	0.463515	0.463515	0.526186	1.639679	0.416409	1.407823	1.147075
1647	0.754561	0.926428	0.926428	0.730755	0.416180	0.806632	0.799498	0.928220
1648	0.911035	1.043364	1.043364	0.766236	1.051310	0.470274	1.428538	1.041118
1649	0.819016	0.838734	0.838734	1.055363	0.518034	1.781323	0.599229	1.045142
1650	1.278051	0.971530	0.971530	0.341601	0.286826	3.511661	3.966205	0.969288

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1651	0.978467	1.187107	1.187107	0.966124	1.071709	0.787770	1.241688	0.947796
1652	0.870069	0.927763	0.927763	0.882687	0.679516	0.342503	1.171607	1.083235
1653	1.036633	1.087010	1.087010	0.984288	1.104555	2.375285	2.876289	0.847093
1654	1.040245	0.932083	0.932083	0.981031	0.555863	0.591197	3.900118	1.485111
1655	0.843757	1.062621	1.062621	0.663297	0.493916	0.531332	0.531455	1.516014
1656	0.984727	0.995068	0.995068	1.031820	0.968821	1.059341	1.873333	1.394956
1657	1.106179	0.694115	0.694115	0.655651	0.442298	3.245383	1.297128	1.426342
1658	1.187799	0.983112	0.983112	0.812650	0.174664	0.220034	0.702318	0.889627
1659	1.016233	0.483139	0.483139	1.081211	0.825982	1.189294	1.903980	1.015854
1660	0.972054	1.032441	1.032441	0.880147	0.286470	1.374563	2.161262	1.126660
1661	1.036781	1.029690	1.029690	0.611315	1.125685	0.318982	0.786665	0.908121
1662	0.912533	1.034523	1.034523	0.766360	0.644303	1.951078	1.805195	1.146328
1663	1.065168	0.417415	0.417415	0.969969	0.529222	1.683909	1.708953	1.154198
1664	1.001836	0.725418	0.725418	0.981546	1.155055	1.432304	1.328677	1.187056
1665	0.996780	1.225256	1.225256	0.354077	0.964687	1.039136	0.652268	0.947176
1666	0.952336	0.969368	0.969368	1.052721	0.467937	1.018767	1.460601	1.184934
1667	0.891382	0.913066	0.913066	0.982015	0.633863	0.637055	0.920128	0.913497
1668	1.045618	0.536372	0.536372	0.395004	0.655761	1.045724	0.550360	1.415409
1669	1.198877	1.034762	1.034762	1.007930	0.930902	0.383984	1.181339	1.371774
1670	0.945196	1.173418	1.173418	1.048535	1.344621	1.560162	3.223768	0.891941
1671	1.022369	1.124856	1.124856	0.529332	1.713942	0.526369	1.002775	0.896578
1672	1.003474	0.841554	0.841554	1.039459	0.648739	1.283037	0.625127	1.034824
1673	1.119638	1.288965	1.288965	0.771736	0.399778	0.362099	0.551097	1.187282
1674	1.102107	1.187645	1.187645	0.848138	0.638939	0.553484	1.036556	0.844187
1675	0.904998	1.118375	1.118375	0.884092	2.351630	0.428168	0.854275	1.323194
1676	0.931816	0.823972	0.823972	0.346788	0.166379	0.208039	1.711183	1.314148
1677	0.926376	1.369735	1.369735	1.043939	0.592214	1.170438	1.000426	1.026523
1678	1.153417	1.275009	1.275009	0.539896	0.419345	0.243192	1.535228	1.358388
1679	1.108268	0.973793	0.973793	0.553386	1.768152	0.504607	1.056249	1.108075
1680	0.980722	1.237060	1.237060	0.572730	0.923908	0.378941	0.761485	1.180896
1681	1.051907	1.120777	1.120777	0.684373	1.147567	0.574073	0.814435	0.957180
1682	0.990810	0.919893	0.919893	0.783452	3.082975	0.288786	0.540661	1.405003
1683	0.877596	0.476108	0.476108	1.078213	0.583597	0.203772	2.466676	1.326526
1684	1.029640	1.208197	1.208197	1.086568	1.103940	1.697720	0.528083	1.272966
1685	1.049666	0.862616	0.862616	0.962632	0.357473	0.385518	2.986288	1.132096
1686	1.047601	0.693525	0.693525	0.958036	0.367886	0.774353	0.680843	0.839203
1687	0.892405	0.530510	0.530510	0.691364	0.260877	0.702559	1.088676	1.310928
1688	1.019325	1.352304	1.352304	0.880094	0.311145	0.213660	0.827217	1.138683
1689	1.086360	1.029787	1.029787	0.565831	1.170314	1.644911	0.795653	1.090290
1690	1.033525	1.411762	1.411762	0.667970	0.294139	0.599186	2.746654	1.531134
1691	1.031573	1.210498	1.210498	0.718652	0.560678	2.157875	0.840057	1.022208
1692	1.060039	0.867924	0.867924	0.874198	0.130664	1.271990	1.013621	1.045928
1693	1.040017	0.927973	0.927973	0.514692	3.211901	0.453651	1.309970	1.063914
1694	1.034036	0.966458	0.966458	0.781627	0.457488	3.771998	5.013906	1.484609
1695	0.923074	1.335584	1.335584	1.052971	0.446411	0.623863	1.688750	1.316330
1696	0.928891	0.760710	0.760710	0.713624	1.297178	0.334730	3.613848	0.856218
1697	0.995961	0.975591	0.975591	1.058287	0.393761	0.387470	0.762060	1.113596
1698	1.049244	1.246575	1.246575	0.745269	0.854467	0.322651	1.124076	0.989134
1699	1.060127	0.988962	0.988962	1.108224	1.010870	0.830809	0.608810	1.595630
1700	0.988039	1.330693	1.330693	0.847675	0.224007	0.277881	0.829736	1.017134
1701	0.871913	1.048771	1.048771	0.424012	3.204266	0.253113	1.065220	1.420377
1702	1.169960	0.750919	0.750919	1.032139	0.433902	0.475832	0.775161	1.606918
1703	1.094352	0.838855	0.838855	0.943943	1.167673	0.355881	0.539980	1.269384
1704	1.037566	0.954783	0.954783	0.679856	1.198023	0.880008	0.832674	1.317241
1705	0.998672	0.838629	0.838629	1.102836	0.847725	0.311721	1.414831	1.410030
1706	1.198174	1.100525	1.100525	1.021051	0.145619	0.215654	0.577664	1.219773
1707	0.927051	0.915673	0.915673	1.067875	0.821196	1.141396	1.679303	1.611890

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1708	0.958975	1.188823	1.188823	1.096823	0.823424	0.656932	1.555743	1.192483
1709	0.751724	0.493434	0.493434	1.000019	2.419218	0.777332	1.634229	1.061431
1710	1.141060	0.824522	0.824522	0.608906	0.402712	0.826624	5.005017	1.261236
1711	1.166812	1.086801	1.086801	1.082765	0.391298	0.844862	0.600562	0.861034
1712	0.972741	1.077996	1.077996	1.120085	0.421930	0.443726	0.820659	0.893742
1713	1.066455	1.179797	1.179797	0.924843	1.140576	1.016775	1.398409	1.269385
1714	1.069495	1.037448	1.037448	1.080017	1.018578	0.281141	0.769945	1.303609
1715	1.104164	1.061992	1.061992	0.838180	1.718863	1.143287	3.040888	0.992797
1716	1.144022	0.965087	0.965087	0.806247	0.407544	0.861534	4.521343	1.134260
1717	0.951742	1.240886	1.240886	0.709875	0.758195	1.667215	1.035516	1.602432
1718	1.188553	1.040766	1.040766	0.511271	0.549045	0.839742	0.755104	1.455921
1719	1.064960	1.052172	1.052172	0.863585	1.280953	0.715990	3.522815	1.485378
1720	0.822704	0.652838	0.652838	0.916813	1.671773	0.314607	1.968293	0.935922
1721	0.838027	0.948839	0.948839	0.896358	0.453828	0.659203	1.089760	1.184374
1722	0.824799	1.081065	1.081065	0.575522	0.610532	0.271439	2.009984	1.581471
1723	1.075941	1.208567	1.208567	0.989305	0.761821	1.647804	1.597816	1.104842
1724	1.088755	1.386439	1.386439	0.642925	0.534972	1.374746	0.957354	1.099125
1725	1.009929	0.830473	0.830473	0.677857	0.832883	0.618117	1.748458	1.298341
1726	1.067955	0.945996	0.945996	0.620887	1.475410	0.081404	0.630261	1.240072
1727	1.125212	1.091258	1.091258	0.464141	0.388027	0.395335	0.995659	1.000211
1728	1.037200	0.673287	0.673287	0.741004	0.409473	1.372284	0.622616	1.182442
1729	1.129718	1.291057	1.291057	0.621996	2.384424	0.441078	3.083044	0.946761
1730	1.105303	0.730735	0.730735	0.982747	0.344507	0.198900	2.322348	1.264271
1731	1.149631	1.007107	1.007107	1.121517	1.966521	0.625672	3.215559	0.982833
1732	1.096041	1.301513	1.301513	0.625767	0.245116	1.632498	5.165720	0.963811
1733	0.989819	0.730884	0.730884	0.869568	0.596065	0.990390	1.679240	1.053661
1734	0.947337	1.046930	1.046930	0.901201	3.258800	0.343332	1.004892	1.197805
1735	1.077823	1.074761	1.074761	0.380016	1.339825	0.759131	0.847087	1.190120
1736	1.124908	0.816997	0.816997	0.838709	0.699912	0.290621	0.751884	1.626740
1737	1.076014	0.903725	0.903725	1.004355	2.750095	0.636291	0.518779	1.164242
1738	0.973780	0.408213	0.408213	0.899668	2.683422	0.338865	1.015545	0.910962
1739	1.155505	0.940506	0.940506	0.653217	0.623870	0.571695	3.762396	1.689830
1740	0.883917	1.195352	1.195352	0.703660	0.163239	0.154210	0.603936	1.598316
1741	0.890455	0.387957	0.387957	0.754406	0.194857	0.489484	2.969862	1.108676
1742	1.082024	1.247903	1.247903	1.104169	0.685044	1.210368	2.531229	1.338025
1743	0.947717	1.042291	1.042291	0.847178	1.052784	0.100326	4.048495	1.130834
1744	1.076012	1.066629	1.066629	0.429445	1.668516	0.157996	0.503694	1.164659
1745	1.201820	0.734463	0.734463	0.839486	1.120185	1.534405	0.967861	1.163313
1746	1.005645	1.155597	1.155597	0.926282	1.735900	0.298349	0.573196	1.585920
1747	1.042807	1.340676	1.340676	0.705176	1.103805	2.005214	1.175591	1.423200
1748	0.998703	1.018782	1.018782	0.982785	0.788554	0.357114	0.909715	1.110151
1749	1.184968	1.003561	1.003561	0.629258	0.242927	0.579734	1.531915	1.055395
1750	0.946766	0.783343	0.783343	0.916444	0.206016	0.408952	1.741590	0.972979
1751	0.975601	1.095351	1.095351	0.610455	1.762404	1.751707	0.712367	1.276358
1752	0.844214	1.008816	1.008816	0.786835	0.967092	1.640849	4.224051	1.055795
1753	1.133848	0.989479	0.989479	0.930857	1.274660	1.145887	0.619712	1.657957
1754	1.051668	1.060919	1.060919	0.853440	0.107970	1.015193	3.677193	1.266810
1755	1.173102	0.764484	0.764484	0.580909	1.121640	0.794055	0.922375	1.452992
1756	1.113588	0.733584	0.733584	1.067809	1.191785	0.835808	1.018146	1.083212
1757	0.863008	1.297024	1.297024	0.887303	0.435850	0.183956	4.557584	0.990517
1758	1.125783	0.715239	0.715239	0.984198	0.646073	0.353773	1.099761	1.294990
1759	0.948555	0.747185	0.747185	0.925253	1.814662	0.451830	1.501182	0.998179
1760	0.971939	1.407350	1.407350	0.821505	0.600672	0.557921	2.617693	1.041186
1761	0.919681	1.085689	1.085689	0.778160	0.893514	0.574006	0.649541	1.026098
1762	0.887254	0.808928	0.808928	0.876081	0.300052	1.679917	2.119680	1.210379
1763	1.057836	0.692197	0.692197	0.977642	1.300509	0.320040	0.990580	0.984261
1764	0.971516	0.641713	0.641713	0.685483	1.129196	1.108983	0.552790	1.094079

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1765	1.081704	1.037224	1.037224	1.111765	0.579619	0.232813	0.729352	1.447050
1766	1.031738	1.086368	1.086368	1.043100	0.332566	0.799235	0.981898	0.907794
1767	0.909675	0.822875	0.822875	1.047831	1.157983	3.175197	0.668311	1.490756
1768	0.867140	1.292939	1.292939	0.831112	0.671511	1.503982	1.735560	0.866814
1769	1.047883	0.697014	0.697014	0.966696	0.307503	1.135650	0.511846	1.485766
1770	1.011870	1.410137	1.410137	0.852291	0.576696	0.406772	1.939434	0.970877
1771	1.039631	0.691781	0.691781	0.985670	0.149597	1.678585	0.580308	1.517789
1772	0.968242	1.230107	1.230107	0.918503	0.210653	1.212865	3.838716	1.444337
1773	0.952182	1.204672	1.204672	1.037360	0.234312	0.150459	1.721540	1.032814
1774	1.071419	0.648858	0.648858	0.783453	0.510251	0.313511	3.922426	1.376032
1775	1.039728	0.799467	0.799467	0.717677	2.043014	0.403752	2.252782	1.164757
1776	0.967772	0.602837	0.602837	1.093673	0.740649	2.424704	0.513290	1.376444
1777	1.042542	1.298726	1.298726	0.727052	0.493490	0.421097	1.085076	1.354134
1778	0.857298	0.916676	0.916676	1.067550	0.399309	1.858486	0.579215	1.349174
1779	0.932070	1.159273	1.159273	1.052040	0.113959	0.289701	4.792085	0.920551
1780	0.926484	0.789545	0.789545	1.044709	0.640664	1.486917	0.823658	1.167616
1781	1.045742	0.886405	0.886405	1.116403	0.419460	1.045468	2.270323	0.948362
1782	1.043579	1.016663	1.016663	1.078707	1.261693	0.736817	1.212642	1.400202
1783	0.847110	0.802228	0.802228	1.113302	1.664834	0.994166	1.249887	1.144997
1784	0.683662	1.062889	1.062889	0.909217	0.365641	1.648295	0.686619	1.176201
1785	1.020192	0.960819	0.960819	0.858810	1.648086	5.131795	0.631633	1.030733
1786	0.982406	1.056899	1.056899	1.029267	0.844164	1.009966	0.916172	1.041903
1787	0.997478	1.099232	1.099232	1.094393	0.343665	1.892419	2.617215	1.382656
1788	0.903125	0.879541	0.879541	0.476728	0.762037	0.432249	1.222570	1.228140
1789	0.958283	1.027220	1.027220	0.502259	0.556842	0.488851	4.707936	0.868730
1790	0.950193	1.098720	1.098720	0.934129	0.676261	0.239374	2.057912	1.319979
1791	1.013589	0.963922	0.963922	1.095649	0.310102	0.975491	1.147473	1.216864
1792	1.123620	1.122714	1.122714	0.906094	0.216972	0.241766	2.523363	0.894687
1793	1.015766	1.291805	1.291805	0.614483	0.773473	1.120493	0.648612	0.905234
1794	0.989181	0.937940	0.937940	0.614531	1.644004	1.707689	0.767235	1.182321
1795	0.719955	0.957035	0.957035	1.023883	1.165380	0.182581	0.712887	0.860137
1796	1.085939	1.006701	1.006701	1.105954	0.642982	1.512836	5.140141	1.131044
1797	1.135538	0.950605	0.950605	1.058325	2.671659	1.000222	1.247256	1.076822
1798	1.137529	1.088627	1.088627	0.966404	0.774186	0.755689	1.143871	1.287610
1799	0.967512	0.633171	0.633171	0.350041	0.829916	1.101446	0.551238	1.008761
1800	0.909009	0.748843	0.748843	0.451193	0.683827	2.455374	1.245105	1.098765
1801	0.934595	1.253830	1.253830	0.854748	0.486292	0.318634	1.687971	1.254489
1802	1.016502	0.584341	0.584341	1.040421	0.529780	0.363203	1.009678	0.932002
1803	0.969940	0.638028	0.638028	0.692419	1.979928	0.462365	1.078780	1.122767
1804	0.950101	0.797933	0.797933	0.982585	0.598626	2.695367	0.959757	1.505719
1805	0.946575	0.919933	0.919933	0.565434	2.270384	0.488917	0.797575	1.177311
1806	0.945862	1.190931	1.190931	0.952183	1.325739	0.768478	0.673970	1.069154
1807	0.765803	1.046697	1.046697	1.127913	0.782060	0.447165	0.957001	1.239124
1808	1.104702	0.992384	0.992384	0.542721	0.773606	0.638372	2.213968	1.403916
1809	1.022409	0.488418	0.488418	0.867116	0.397231	2.184168	1.256026	1.499614
1810	0.951150	0.542878	0.542878	0.951068	1.688008	0.432955	1.204246	1.075386
1811	1.058263	0.791451	0.791451	0.827399	1.560673	0.210056	1.086809	1.351294
1812	0.848956	1.266847	1.266847	0.626745	0.254992	1.454181	0.615376	1.027370
1813	0.990292	1.022345	1.022345	1.110689	1.394057	1.447047	2.067898	1.497224
1814	1.073062	0.852473	0.852473	0.523156	0.562983	2.421675	2.140624	1.310857
1815	1.089295	1.092494	1.092494	1.060001	1.273469	0.574593	1.762428	0.844264
1816	1.143037	0.997267	0.997267	0.781398	2.034618	1.347266	1.171632	0.972349
1817	0.979671	1.400075	1.400075	1.012429	0.491254	0.252723	0.635740	1.165818
1818	0.925985	0.582730	0.582730	0.930886	1.161414	3.601844	2.239146	0.857387
1819	1.062476	0.796518	0.796518	0.598515	0.944947	0.903256	2.270366	1.401833
1820	1.128044	0.810949	0.810949	1.109931	0.142156	0.883351	1.906062	1.136422
1821	0.881217	0.742145	0.742145	0.543578	0.368827	2.141544	0.742021	1.089153

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1822	1.242366	0.983814	0.983814	1.107334	0.904792	0.943928	1.442109	1.221071
1823	0.872205	0.804532	0.804532	1.124850	0.824248	1.246913	1.882760	0.877172
1824	1.065000	0.999981	0.999981	1.105831	2.153456	0.511701	0.914475	0.924351
1825	0.892067	0.922985	0.922985	0.710556	0.832025	0.512544	1.202037	1.301658
1826	0.902109	0.438259	0.438259	0.883646	0.346493	0.400745	1.264124	1.138055
1827	0.977661	0.887404	0.887404	0.734302	0.685435	1.750513	0.957444	0.835604
1828	0.966022	0.616115	0.616115	0.907497	1.202881	1.967060	0.508548	1.077311
1829	0.898288	0.861703	0.861703	0.785953	0.410588	0.506158	1.523789	1.060995
1830	0.978614	1.025371	1.025371	0.933818	0.446786	0.740212	0.688824	0.848772
1831	0.984216	0.971873	0.971873	0.494050	0.264141	0.289135	2.263516	1.407003
1832	1.071744	0.571645	0.571645	0.906314	2.085195	0.525701	1.475768	0.994867
1833	0.885455	0.958900	0.958900	0.884854	0.138981	0.460179	2.877317	1.400493
1834	0.850907	0.576491	0.576491	0.701933	0.506269	0.082338	0.900195	0.872176
1835	1.096373	0.855910	0.855910	0.991479	0.966006	2.005361	2.327595	1.586806
1836	1.014434	0.958254	0.958254	0.600509	0.766014	0.237258	1.550134	1.137424
1837	0.953026	0.698900	0.698900	0.542292	0.815947	0.598550	3.588301	1.033928
1838	1.061097	0.786415	0.786415	0.910582	1.401440	0.215696	1.337654	1.210507
1839	0.998452	1.028308	1.028308	1.092204	1.167926	1.411189	1.020614	1.060519
1840	0.843911	1.210006	1.210006	0.959774	0.377607	1.184137	1.419175	0.793896
1841	0.947295	0.759839	0.759839	1.068038	0.966298	0.570445	0.942754	1.139158
1842	0.896722	0.774033	0.774033	0.836851	1.452266	0.731335	1.294333	1.159514
1843	1.117183	0.804549	0.804549	0.947126	0.191424	1.059056	1.190190	1.192764
1844	1.020903	0.850530	0.850530	0.692815	0.333961	0.913785	1.185103	0.875450
1845	0.949087	0.869416	0.869416	0.919953	0.258037	0.368534	2.225842	1.166062
1846	0.920756	1.017495	1.017495	1.108124	1.046386	0.613164	0.853873	1.393676
1847	0.952389	1.291723	1.291723	0.704305	1.246035	0.272431	0.663762	1.271146
1848	0.972346	1.340332	1.340332	0.765741	0.363936	0.186011	0.839012	1.011262
1849	1.104625	0.911424	0.911424	0.826661	0.255238	1.352139	1.775577	1.166175
1850	1.086215	1.106334	1.106334	1.120735	0.240302	0.899904	0.984240	1.002629
1851	0.910301	0.994787	0.994787	1.012223	0.656217	0.371353	1.531991	1.288016
1852	1.001981	0.988691	0.988691	1.071513	0.560818	0.852364	0.593884	0.960539
1853	1.064367	0.905419	0.905419	0.674338	1.507480	0.156881	2.328402	0.976641
1854	0.762088	1.305454	1.305454	0.757720	1.031841	0.626067	0.767597	1.027250
1855	1.021839	1.296363	1.296363	0.602333	0.339307	0.890024	2.123977	1.303273
1856	1.067843	0.913799	0.913799	0.887698	1.135377	0.745161	0.803828	0.963132
1857	0.893005	0.991416	0.991416	0.903007	2.502656	0.321259	0.801988	1.171828
1858	1.147478	0.910474	0.910474	0.487824	1.413836	1.336065	1.565361	1.246091
1859	1.113866	0.979392	0.979392	0.965614	0.575111	0.332998	0.789703	1.311854
1860	0.923468	0.988417	0.988417	0.718604	0.532056	0.424950	0.538393	0.961368
1861	0.995389	0.940751	0.940751	1.016024	1.834197	0.183556	1.760861	1.358716
1862	1.084330	0.649294	0.649294	0.744045	2.406793	1.673055	0.885740	1.046126
1863	1.068586	1.251239	1.251239	1.139134	1.125220	0.423809	0.598260	1.101995
1864	0.974527	1.222737	1.222737	0.609074	1.242631	0.415314	1.120149	1.122423
1865	1.143587	0.626036	0.626036	1.062556	0.258831	0.195238	0.661663	0.974911
1866	0.930263	0.927798	0.927798	0.785538	0.613027	2.280346	3.484086	1.434680
1867	0.878052	0.571190	0.571190	0.922191	0.439140	0.168222	0.565309	1.097861
1868	1.000077	0.892077	0.892077	0.546459	0.444288	0.315496	1.408646	1.680519
1869	0.999718	1.365522	1.365522	0.982285	0.234944	1.737794	1.542033	0.829670
1870	1.038031	1.065369	1.065369	1.117111	0.808671	0.784104	0.629240	1.270371
1871	1.014046	1.016281	1.016281	0.995061	0.754044	0.417995	1.213483	1.337580
1872	0.934768	0.572013	0.572013	0.492459	1.756578	0.929755	0.876160	1.267728
1873	1.223121	1.237544	1.237544	0.877606	0.120032	0.460633	0.655317	1.532512
1874	0.870145	1.384003	1.384003	1.050782	0.140077	0.426641	0.544682	1.397925
1875	0.892345	0.782544	0.782544	0.645560	1.008302	1.223833	1.460961	1.000853
1876	1.012312	0.651084	0.651084	1.039870	1.209146	1.311958	2.582976	1.172540
1877	0.724894	1.063759	1.063759	0.823560	0.245957	0.311874	2.010659	1.031014
1878	1.059030	0.654423	0.654423	1.078767	0.203408	0.889231	0.552592	1.084355

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1879	1.112400	0.999943	0.999943	0.706693	1.677730	0.834029	0.612167	0.999413
1880	0.993843	1.258185	1.258185	1.020406	0.578482	0.233264	0.637286	1.267068
1881	1.165153	0.971019	0.971019	0.814675	0.673809	0.907094	3.950355	0.977366
1882	1.065193	0.948068	0.948068	0.513334	1.186473	0.231180	0.799103	0.905395
1883	1.002838	0.914759	0.914759	0.632930	0.251663	0.695127	1.580049	1.050071
1884	1.109800	1.008698	1.008698	1.077792	0.376138	0.384442	1.096326	1.547904
1885	0.870167	1.012355	1.012355	0.608694	0.777257	1.910819	2.030217	1.033081
1886	1.015156	0.967697	0.967697	0.752996	1.610510	0.834178	0.700663	0.828816
1887	1.120996	0.846222	0.846222	0.992069	0.690742	0.102953	0.647501	1.578637
1888	1.039492	1.244856	1.244856	0.734288	0.809457	0.297317	0.730615	1.326532
1889	1.032412	0.651244	0.651244	0.824776	2.636307	0.349971	1.282386	1.395743
1890	1.132069	1.149698	1.149698	0.495007	1.169630	0.810308	2.537037	1.242665
1891	0.922345	0.988208	0.988208	0.503563	0.293195	1.031644	0.829685	1.314492
1892	0.854207	1.357680	1.357680	0.848908	1.435522	1.228697	1.124094	1.511200
1893	1.202414	0.963642	0.963642	0.547070	1.459130	0.277094	0.921022	0.988547
1894	1.085181	0.678983	0.678983	0.771761	0.567594	0.941650	1.114406	1.034319
1895	0.902146	0.882066	0.882066	0.483773	0.204377	0.229671	0.993618	1.159295
1896	1.082802	0.750732	0.750732	0.597481	0.601293	0.507303	0.566783	1.221795
1897	0.900017	0.820215	0.820215	0.942847	0.521479	2.492682	1.110661	0.911359
1898	0.812058	0.878169	0.878169	1.028071	0.419287	2.555052	1.548557	1.210332
1899	1.024852	0.919789	0.919789	0.966447	0.192333	1.311505	1.669341	1.194081
1900	1.075915	0.838367	0.838367	1.089413	0.643891	1.996469	1.195937	1.138746
1901	0.939812	1.036148	1.036148	1.086501	0.630603	2.089403	0.626845	1.133754
1902	0.935735	0.732817	0.732817	0.793923	0.331231	0.420032	3.859209	1.059584
1903	0.832422	0.957922	0.957922	0.363654	0.635435	0.516400	1.503090	0.994236
1904	0.948394	1.007975	1.007975	0.704318	1.253462	0.887828	0.563952	1.623197
1905	0.827407	0.700883	0.700883	1.067613	1.016117	0.329680	1.702991	1.044986
1906	0.920041	0.832682	0.832682	1.132888	1.850758	0.122869	0.921515	1.261452
1907	0.946729	1.072705	1.072705	1.101220	0.366431	0.369992	0.788588	1.173622
1908	0.862532	1.181373	1.181373	0.993307	2.130938	0.394517	1.067858	0.977874
1909	0.949310	0.769887	0.769887	0.937806	0.345353	0.175235	0.623656	1.608136
1910	0.922441	1.097970	1.097970	1.091879	0.740310	1.257002	3.510709	1.140523
1911	0.939377	0.471021	0.471021	0.993382	2.823170	1.103960	0.663506	1.470987
1912	0.961616	1.025981	1.025981	1.050796	2.340238	0.948780	0.984083	1.323893
1913	0.886983	1.079384	1.079384	0.986937	0.241660	1.254815	2.907779	1.367059
1914	1.047602	0.631265	0.631265	0.963591	0.474684	0.622371	1.771712	0.993785
1915	0.918603	1.173437	1.173437	0.824751	0.433508	0.136764	0.617964	1.189669
1916	0.996184	1.279030	1.279030	1.003858	0.300572	2.429187	0.808846	1.071122
1917	1.070266	1.265612	1.265612	0.975764	0.763048	0.328203	0.550288	0.815955
1918	0.991419	0.670516	0.670516	0.802501	0.831042	2.541650	0.701535	1.478894
1919	0.846234	0.583812	0.583812	0.564365	0.625860	0.975007	1.067574	1.030716
1920	0.993589	0.907304	0.907304	1.050254	0.380306	0.375778	0.666578	1.011596
1921	0.897026	0.991132	0.991132	1.057789	2.467097	6.575900	0.980334	0.793700
1922	0.953100	1.013041	1.013041	1.014912	0.149229	0.205625	0.935818	1.056689
1923	0.916500	0.874235	0.874235	0.875219	1.779768	1.026548	0.793783	1.320457
1924	1.015678	1.367024	1.367024	0.950084	0.919029	3.745420	1.455263	0.909970
1925	1.064573	0.507605	0.507605	0.693284	0.518298	0.710629	0.900827	1.146544
1926	1.044350	1.135045	1.135045	0.923584	0.846695	0.650299	0.791053	1.201087
1927	1.261543	0.673418	0.673418	0.594692	0.695676	0.594420	2.699057	1.553359
1928	0.956861	0.494383	0.494383	0.501800	0.268594	1.241998	0.507136	1.488888
1929	0.817429	1.231007	1.231007	0.874289	1.312616	0.305447	5.798362	0.867526
1930	1.050039	0.851923	0.851923	0.890143	0.339272	0.454405	1.207133	0.867847
1931	1.165216	1.340751	1.340751	0.700855	1.446091	1.574831	0.824097	0.986090
1932	1.044750	1.178701	1.178701	0.756960	0.441285	0.953645	2.522285	0.950356
1933	0.998937	0.883385	0.883385	0.939152	0.897292	1.862379	1.133480	0.929748
1934	1.174622	0.678163	0.678163	0.722257	2.785121	0.586451	5.677914	1.276063
1935	1.043493	1.238437	1.238437	0.793761	1.786431	1.276706	0.938576	1.495081

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1936	1.023539	1.302374	1.302374	0.698644	0.750155	0.111052	1.143094	1.505918
1937	1.009052	1.320323	1.320323	1.049359	1.129775	2.558108	1.003688	1.574752
1938	0.891065	0.251747	0.251747	0.702435	0.197427	3.247579	2.949775	1.023316
1939	0.939604	1.194964	1.194964	1.037839	1.089915	0.760013	0.801426	1.514477
1940	0.917162	0.912535	0.912535	0.812989	0.543839	1.553756	0.740785	1.198709
1941	1.064849	1.051035	1.051035	0.723087	0.590087	1.220799	2.656129	1.172238
1942	0.977159	0.991734	0.991734	0.835902	1.004047	0.992271	0.902168	1.333581
1943	0.913454	0.972504	0.972504	1.030190	2.527281	0.855093	1.176104	0.947195
1944	0.927847	1.369363	1.369363	0.179915	2.175184	0.462965	1.387642	1.424565
1945	1.081208	1.138538	1.138538	1.058040	0.525932	1.346980	1.352752	0.846787
1946	1.087588	0.904066	0.904066	1.119081	0.736547	0.377939	1.068491	0.857313
1947	1.040848	0.972459	0.972459	1.109938	2.120307	0.272724	0.564509	0.915574
1948	1.183452	0.991424	0.991424	0.678342	0.100793	0.518849	0.795934	0.852948
1949	1.040310	1.294746	1.294746	1.144910	0.912275	0.772082	2.423211	1.454716
1950	0.990163	0.952811	0.952811	0.787875	0.331004	2.488731	3.190823	1.079769
1951	1.192533	1.022208	1.022208	0.783200	2.318246	0.215350	0.786865	1.463869
1952	1.128828	1.185322	1.185322	0.992037	0.632626	0.846396	0.590966	1.162453
1953	1.165977	0.350244	0.350244	1.087632	0.303285	0.782082	3.074023	1.240135
1954	0.810536	1.014920	1.014920	0.702632	0.690224	0.927247	5.477278	1.155193
1955	1.055830	0.829886	0.829886	0.789512	0.266811	1.824682	0.522616	1.269207
1956	0.887161	0.931209	0.931209	0.880621	0.754629	0.367153	3.863613	1.084450
1957	1.158019	1.105697	1.105697	0.927480	0.338464	1.342784	0.903397	1.058046
1958	0.890458	1.010011	1.010011	0.312989	0.828102	0.105599	0.522288	1.286109
1959	0.826950	1.449323	1.449323	0.882690	0.363210	0.235194	1.224451	1.394679
1960	0.879104	0.821517	0.821517	0.690074	0.740803	0.234779	0.797801	1.048604
1961	1.043495	0.780627	0.780627	1.054353	0.706098	0.426967	1.493659	0.834283
1962	1.261937	0.933923	0.933923	0.263568	0.511074	0.487023	0.985592	1.285872
1963	1.022907	0.998342	0.998342	0.316639	2.152986	1.029102	0.815968	0.933585
1964	1.065004	0.725908	0.725908	1.028509	1.038142	0.766609	1.768934	0.918857
1965	1.071459	0.726821	0.726821	0.376720	0.306158	1.009299	1.739405	1.456399
1966	0.901154	1.133665	1.133665	0.871231	0.756815	1.064449	0.778403	1.010695
1967	1.078572	0.998544	0.998544	0.603965	2.605035	0.984309	0.691759	1.333786
1968	1.028097	0.821261	0.821261	0.974470	0.332458	0.473845	0.602704	1.282484
1969	1.104593	1.093794	1.093794	1.019261	0.346213	0.379256	1.049414	1.271415
1970	1.050909	1.260193	1.260193	1.125337	0.214304	0.448365	2.615518	1.229230
1971	1.021689	0.759112	0.759112	1.040127	1.552867	0.250901	1.193856	1.339297
1972	1.017053	0.995295	0.995295	1.148463	1.208556	0.571153	0.582977	1.031543
1973	0.949412	0.764508	0.764508	1.074736	0.461662	0.755151	2.239648	1.173128
1974	1.036366	1.384512	1.384512	0.968844	0.498536	0.269275	1.203900	0.948904
1975	1.007924	0.815465	0.815465	0.592460	0.256822	1.201358	1.951162	0.804566
1976	0.897562	0.900951	0.900951	1.007814	0.740299	0.464227	0.909617	0.871386
1977	0.996757	1.177260	1.177260	0.879186	1.443055	0.969059	3.416241	1.252817
1978	1.033210	0.377919	0.377919	1.134112	0.899857	1.000283	1.072369	1.085478
1979	0.763804	0.810484	0.810484	1.117953	0.572841	0.363785	0.793063	1.209053
1980	0.942321	0.733468	0.733468	0.880007	0.189835	0.363183	0.629241	1.433462
1981	0.870995	1.016287	1.016287	0.724822	0.323964	0.474498	1.734678	0.889282
1982	1.076483	0.995798	0.995798	0.893617	0.756610	0.808086	2.995588	1.179564
1983	1.137382	0.531305	0.531305	0.916554	1.124454	1.441038	1.473214	1.139939
1984	0.942842	0.795916	0.795916	0.882815	0.568964	0.212982	1.138324	1.463789
1985	0.950849	0.710761	0.710761	0.567197	0.841821	1.300834	2.297702	1.427671
1986	1.000259	1.054904	1.054904	0.598409	1.392997	0.265392	1.239385	1.333873
1987	0.985588	1.228032	1.228032	0.982201	0.393335	1.426664	0.875327	0.922005
1988	1.088316	0.954029	0.954029	1.043315	0.392764	0.484730	1.888859	1.087598
1989	0.981686	1.130523	1.130523	0.987800	1.150278	0.485650	2.396881	1.523813
1990	1.030826	1.120532	1.120532	0.959608	0.381187	0.633063	3.346979	1.230859
1991	1.021699	0.652409	0.652409	0.837852	0.312388	0.985228	3.550470	1.328844
1992	0.845771	0.789916	0.789916	0.845762	1.299404	1.661760	0.705746	1.134139

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
1993	0.822281	1.384247	1.384247	0.538667	0.343160	1.140168	3.469972	1.420038
1994	0.884661	0.882007	0.882007	0.903337	0.235251	0.478646	2.290584	1.112062
1995	1.185316	1.180132	1.180132	0.998618	0.609855	0.467120	0.556894	1.048399
1996	1.083511	0.859441	0.859441	0.885283	0.818683	0.607618	2.159976	1.011581
1997	1.100545	1.155163	1.155163	0.325429	0.168412	0.274590	0.535010	1.005317
1998	1.057022	1.053405	1.053405	0.623996	0.688469	0.641928	0.543614	0.964413
1999	0.996338	1.248098	1.248098	0.694987	0.571404	0.418786	3.920494	1.014706
2000	0.976353	0.924267	0.924267	0.421328	0.511302	3.278070	0.893675	1.001934
2001	1.130467	1.303394	1.303394	1.001038	0.286918	1.362947	2.598897	1.075101
2002	1.093102	0.946785	0.946785	1.083280	2.214133	0.127046	1.421021	1.166786
2003	0.881385	1.168390	1.168390	1.042839	0.171577	0.361586	2.589793	1.340352
2004	1.011375	0.700975	0.700975	0.674714	0.434672	0.169629	0.683362	1.091694
2005	0.861421	0.675325	0.675325	0.749252	0.375240	1.997576	0.515773	1.520769
2006	1.027775	1.116455	1.116455	1.113585	0.524643	1.392301	0.673090	1.589836
2007	0.980197	1.258922	1.258922	0.621770	0.774799	0.395275	1.629916	1.024919
2008	0.964405	0.924082	0.924082	1.117446	1.749864	1.943153	0.580109	1.197319
2009	1.208824	1.076636	1.076636	0.937787	0.577259	0.202953	2.117806	1.159973
2010	0.943762	0.691879	0.691879	0.444891	0.687723	2.253863	0.559619	1.498069
2011	1.132337	0.962305	0.962305	0.563791	1.075068	0.956231	2.146076	1.439566
2012	0.921696	0.729473	0.729473	0.620055	0.677893	0.213585	0.837908	0.895571
2013	1.071318	0.757457	0.757457	0.973582	0.544857	0.169083	1.581836	1.150731
2014	1.022173	0.915035	0.915035	0.899193	1.306289	1.553937	2.003444	0.949987
2015	0.994415	1.036019	1.036019	1.143330	0.662332	0.546050	0.834889	1.485212
2016	0.921650	0.806915	0.806915	0.667007	2.865892	0.437984	0.651004	1.555255
2017	0.938951	0.845230	0.845230	0.806088	1.612232	0.254790	0.517065	0.976100
2018	0.985222	1.195225	1.195225	1.042558	1.069118	1.913097	1.098765	1.052272
2019	0.804555	0.997877	0.997877	0.708428	0.311298	0.830442	1.515251	1.148949
2020	1.089105	1.383386	1.383386	1.008722	3.035634	0.360626	0.563504	0.891968
2021	0.997436	1.178045	1.178045	0.680407	1.799425	0.387690	0.651106	0.777320
2022	0.864920	1.126003	1.126003	0.827360	0.625053	3.215978	1.223060	1.100954
2023	0.931016	0.916402	0.916402	0.873869	0.186954	1.734006	0.716499	0.949976
2024	1.287777	0.938348	0.938348	0.850526	1.307349	5.919264	0.793976	1.126324
2025	1.004178	0.897761	0.897761	1.016910	0.857271	3.847855	1.738879	1.041663
2026	0.882512	1.024429	1.024429	0.796815	0.299573	0.406223	1.007655	0.848866
2027	1.204905	1.076568	1.076568	0.780613	0.144204	0.211486	0.582275	1.022167
2028	1.038163	1.201174	1.201174	0.673118	1.277455	1.207854	2.261202	0.962296
2029	0.871269	0.662882	0.662882	0.770727	0.194825	0.342571	1.414310	1.070924
2030	0.960757	1.447586	1.447586	0.941102	1.069613	0.659597	0.961707	1.017808
2031	1.041393	1.393610	1.393610	0.510289	0.762794	0.457383	0.616263	1.565491
2032	0.975721	1.008964	1.008964	0.484172	1.176065	0.660552	1.652749	1.078369
2033	0.897260	0.889823	0.889823	0.191923	0.995035	0.242426	1.214513	1.012669
2034	0.927778	0.664453	0.664453	0.650259	0.492396	0.613053	0.947304	1.250882
2035	0.939397	1.164865	1.164865	0.748229	0.407616	0.958759	2.320852	1.460202
2036	0.976829	1.028272	1.028272	1.065001	0.312894	0.211647	1.419439	1.175037
2037	0.970211	0.763103	0.763103	1.056317	1.082440	0.229265	0.981002	1.424241
2038	0.921822	1.053496	1.053496	0.813173	0.610042	0.146347	1.273303	0.950533
2039	0.944815	0.836371	0.836371	0.801228	0.933159	1.009248	1.338218	1.277646
2040	1.111526	0.880950	0.880950	0.484667	0.556011	1.454053	1.384813	1.135412
2041	1.047559	0.773520	0.773520	0.643180	0.390990	0.321406	1.233388	1.175756
2042	0.971801	0.706323	0.706323	0.863953	1.785545	0.561863	0.693054	0.932409
2043	1.029007	0.973697	0.973697	0.970819	2.606112	3.729491	2.274807	1.173657
2044	0.994952	0.832591	0.832591	0.996713	0.788147	0.813782	0.949411	1.046038
2045	0.984462	0.598373	0.598373	1.033850	1.478493	0.183747	0.523833	0.865208
2046	0.871702	0.472835	0.472835	1.082941	0.661319	0.454851	1.741434	0.865814
2047	1.012138	0.757422	0.757422	0.944891	0.187756	0.214956	0.591141	1.417841
2048	1.085082	1.103785	1.103785	0.672895	1.451712	0.149561	0.530633	1.100693
2049	1.002982	1.411234	1.411234	0.777328	1.062384	0.225626	1.739900	0.982675

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2050	1.041276	1.443311	1.443311	0.902647	0.490778	4.179024	0.879309	1.070873
2051	1.054848	1.276158	1.276158	0.961259	0.302145	0.245871	1.212239	1.054013
2052	1.194561	0.996816	0.996816	1.078894	0.252211	1.405293	0.613894	1.491923
2053	1.034849	1.068511	1.068511	0.954978	0.614691	0.328579	0.596932	1.230073
2054	1.060979	1.303396	1.303396	0.601023	0.136130	0.480665	0.679407	1.157438
2055	0.971604	0.729440	0.729440	0.492075	0.243437	2.080502	0.547801	1.143008
2056	1.022117	1.407654	1.407654	0.899666	0.374961	2.038132	1.293625	1.153273
2057	1.041624	1.105001	1.105001	1.070078	1.120807	2.594805	0.628676	1.659548
2058	0.840184	0.804174	0.804174	0.579676	0.624052	2.246277	2.438424	0.872238
2059	1.000628	0.923876	0.923876	1.109478	0.439335	0.352008	0.661944	1.081171
2060	1.095580	0.821184	0.821184	1.097506	0.373246	0.841685	0.717577	1.296186
2061	0.980033	0.852384	0.852384	0.478425	1.208300	0.886987	2.529456	1.273781
2062	0.962281	0.893045	0.893045	0.917230	2.868884	0.518437	0.566500	1.369442
2063	1.030473	1.099218	1.099218	0.921930	0.357812	1.379821	0.583274	1.213416
2064	1.187031	1.237187	1.237187	0.863651	0.271511	2.997091	2.822590	1.162176
2065	1.001772	0.954114	0.954114	0.868982	0.258171	2.128573	0.532057	1.387033
2066	0.864319	1.050128	1.050128	0.589034	0.355351	0.292636	2.019962	1.412812
2067	1.161627	1.067745	1.067745	1.140835	0.279022	0.829501	1.614448	1.005211
2068	1.079520	1.080347	1.080347	0.631216	0.206538	0.923927	0.881528	1.215715
2069	0.933230	0.651341	0.651341	1.053894	0.421559	0.552546	0.639077	0.952870
2070	0.939025	0.746450	0.746450	0.467163	1.930991	0.565766	0.514507	1.185186
2071	1.100495	0.646024	0.646024	0.673872	1.049274	0.460175	1.273023	1.642613
2072	1.008598	0.784896	0.784896	0.775814	0.748716	1.389313	0.605887	0.978369
2073	1.001194	1.151736	1.151736	0.897199	0.125531	0.731315	2.210615	1.084841
2074	0.912881	1.097929	1.097929	1.111873	0.190849	1.002375	0.724974	0.904556
2075	1.034804	0.979478	0.979478	0.912904	1.934155	2.173258	0.656093	1.416190
2076	1.013957	1.066941	1.066941	0.306122	2.273094	1.059787	1.295921	0.975219
2077	0.842707	1.002131	1.002131	0.840314	1.481076	0.479197	2.895972	1.220936
2078	1.069216	1.375179	1.375179	1.096577	0.145973	0.358086	0.638325	0.997935
2079	0.823151	0.751821	0.751821	1.148354	0.758717	1.393472	2.863071	0.832535
2080	1.125836	1.043080	1.043080	0.933693	2.699658	0.670539	1.854995	1.073795
2081	1.097645	0.968294	0.968294	0.541824	0.355544	0.334992	0.860680	1.019982
2082	1.023828	1.036422	1.036422	0.717327	1.551777	0.302675	0.642844	1.131614
2083	0.906449	0.676360	0.676360	1.046337	1.892289	5.514078	1.196154	1.382586
2084	0.995360	0.999283	0.999283	0.982048	2.569193	1.662815	1.552036	1.409870
2085	0.999151	0.943405	0.943405	0.305625	0.444692	0.287242	3.170638	1.106809
2086	1.229470	1.113977	1.113977	0.857974	0.691445	0.461588	2.539203	1.019388
2087	0.979964	0.923768	0.923768	0.786128	0.181080	0.639997	0.795040	0.857254
2088	0.916661	1.218345	1.218345	0.830531	0.315217	0.520614	0.735621	1.447029
2089	0.968733	0.806030	0.806030	0.771939	0.988531	0.469239	0.537094	1.116033
2090	1.062119	1.018296	1.018296	0.744113	0.542379	0.710515	1.097206	1.043866
2091	0.994898	1.014950	1.014950	0.997114	0.247040	0.708549	4.064695	1.265702
2092	0.990993	1.073152	1.073152	0.802505	0.189619	0.156200	0.522938	1.261635
2093	1.044967	1.355027	1.355027	0.657116	1.505429	0.064911	2.256384	0.927359
2094	1.041826	0.764282	0.764282	0.926984	0.269680	0.616159	0.552672	0.992969
2095	1.050525	1.232008	1.232008	0.204541	0.744411	0.688434	0.529060	1.125104
2096	1.029680	1.053021	1.053021	0.824721	0.768592	1.140441	0.504662	0.851458
2097	1.052231	1.157382	1.157382	0.717301	0.716546	1.158679	5.338584	1.038359
2098	0.795966	1.247533	1.247533	0.602338	0.528745	1.645688	2.100695	1.258032
2099	0.962553	0.573830	0.573830	0.692652	0.123547	1.074458	1.595344	1.420907
2100	1.017102	0.933746	0.933746	0.867296	0.522465	0.475693	0.730043	1.086720
2101	1.089502	1.246950	1.246950	0.767768	1.163232	0.302952	0.702969	0.908875
2102	1.026262	0.925261	0.925261	0.411674	0.472782	0.388747	1.423292	1.470137
2103	0.851007	0.595078	0.595078	0.968591	0.201693	1.155106	0.851370	0.984795
2104	1.036268	0.679187	0.679187	0.805324	0.304802	1.908321	1.035523	1.466285
2105	0.955699	0.815930	0.815930	0.705277	0.229598	0.581998	1.014181	1.245273
2106	1.024020	0.582071	0.582071	1.089624	0.681869	0.982121	0.869868	1.315401

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2107	1.013911	0.836610	0.836610	0.977697	0.283328	0.301501	1.317413	1.418115
2108	0.852017	0.964698	0.964698	0.461697	0.230809	0.494544	2.060153	1.111019
2109	1.165928	1.115199	1.115199	1.065920	0.614491	2.104084	0.607476	1.283261
2110	0.906586	0.677104	0.677104	1.007520	0.511498	0.315811	4.316105	1.283664
2111	1.006438	0.696804	0.696804	0.891913	0.510791	0.594913	0.735323	1.194195
2112	1.068928	1.017331	1.017331	0.748019	0.355287	0.280494	0.931303	1.257473
2113	1.024883	0.845159	0.845159	1.092872	0.312798	0.107543	2.125602	1.078650
2114	1.047768	1.114016	1.114016	0.369855	0.705347	0.129576	0.544939	1.068788
2115	0.934067	1.180868	1.180868	0.992115	0.505183	1.539306	2.783832	0.901088
2116	0.916375	1.056918	1.056918	0.981997	0.469163	0.757298	0.838704	0.936553
2117	0.928889	1.165671	1.165671	0.605330	0.426377	0.985041	2.911382	1.155300
2118	1.039327	1.255370	1.255370	0.887678	0.724045	0.718262	1.805365	1.162882
2119	0.978483	1.134652	1.134652	1.096722	0.260908	1.023998	1.025800	1.534369
2120	1.021905	1.088840	1.088840	0.577342	1.112296	0.153634	0.523113	1.373377
2121	1.034458	1.041707	1.041707	0.827132	0.666801	0.528401	0.652453	1.187034
2122	1.038163	1.133818	1.133818	0.919311	0.791952	0.730860	1.271775	0.871381
2123	0.918303	0.541527	0.541527	1.037854	0.556514	0.561578	0.638116	1.323895
2124	1.091697	1.240944	1.240944	0.551214	1.908285	0.748128	2.502906	1.015277
2125	1.085519	0.898348	0.898348	1.104665	0.210735	0.623746	1.424465	1.175868
2126	1.010700	1.152888	1.152888	0.940843	0.942011	1.769415	0.686752	1.038450
2127	1.072219	1.100174	1.100174	1.021042	1.565424	2.919930	4.754656	1.082233
2128	0.920796	1.093296	1.093296	0.521153	0.167570	0.281394	2.845915	1.137527
2129	1.047114	1.373052	1.373052	1.015084	1.254785	0.290178	2.597885	1.665786
2130	0.940716	0.684540	0.684540	0.918136	0.797291	0.377512	0.545177	1.368998
2131	1.015741	0.941238	0.941238	0.536718	0.520054	0.671749	0.739478	1.486599
2132	1.010952	0.931494	0.931494	0.707899	0.219188	0.204023	0.782602	1.285631
2133	1.094424	1.073213	1.073213	0.561779	1.450169	0.557207	2.145943	0.887347
2134	0.844879	1.086390	1.086390	0.746303	0.214765	2.567764	0.955536	0.995031
2135	0.884924	1.063009	1.063009	0.716671	0.964666	0.492391	1.675594	1.224460
2136	1.040129	1.107992	1.107992	0.724062	0.185242	0.203275	0.541776	1.269466
2137	0.900990	1.135132	1.135132	0.867643	0.245257	0.377895	0.544029	1.155821
2138	1.127868	1.387728	1.387728	0.895493	0.201646	0.533232	0.779747	1.148775
2139	1.110148	1.142569	1.142569	0.919828	0.715612	0.401012	0.902668	1.100182
2140	0.861446	1.340625	1.340625	0.823906	0.675555	0.146998	0.721691	1.486800
2141	0.824274	1.125896	1.125896	0.558973	1.083784	0.399512	0.949948	1.012743
2142	0.903275	1.004565	1.004565	0.529579	0.976176	3.079391	3.808837	0.959990
2143	0.992514	1.099752	1.099752	1.079577	0.720888	0.821639	1.265829	1.400624
2144	0.890323	1.407645	1.407645	0.788631	1.192551	2.337193	1.007168	0.925944
2145	0.983664	0.732766	0.732766	0.792334	1.027851	0.454284	0.844845	1.602886
2146	1.026461	0.602653	0.602653	1.058956	1.153397	0.279412	0.573088	1.137764
2147	0.995627	0.997676	0.997676	0.960073	0.718528	0.244108	1.279684	1.029196
2148	0.954437	1.067379	1.067379	0.938745	0.366476	1.036169	0.704264	1.007451
2149	0.973889	0.784399	0.784399	0.827126	1.401847	1.132162	4.338204	0.931047
2150	1.049620	0.837742	0.837742	1.033645	1.089680	1.331929	1.042173	0.809126
2151	0.930774	1.247646	1.247646	1.079757	0.234280	0.162136	0.543661	1.139369
2152	1.106968	0.850561	0.850561	0.949457	0.844346	0.750567	0.535667	1.376176
2153	0.858137	0.934968	0.934968	1.082141	0.394520	0.106316	2.082354	1.184171
2154	0.904899	1.012822	1.012822	0.619122	2.683552	0.807004	0.563699	1.113384
2155	0.897087	1.212289	1.212289	0.814589	1.278889	0.536760	0.612438	1.156548
2156	0.944851	0.705699	0.705699	0.835234	0.855338	0.852216	0.685467	0.958227
2157	1.107226	1.107267	1.107267	0.813569	0.972350	0.836165	1.623699	1.121572
2158	1.001475	0.692154	0.692154	0.717974	0.227832	0.254182	0.834501	1.253183
2159	0.860529	1.131477	1.131477	0.977281	0.627632	0.267944	2.071492	1.252131
2160	0.947273	0.834049	0.834049	1.037097	2.600555	1.215178	0.503745	1.243369
2161	0.956458	0.797127	0.797127	0.869397	0.343077	0.960060	1.569840	1.235015
2162	1.083784	0.951624	0.951624	1.142073	0.243447	0.297658	0.548709	0.874998
2163	1.026206	0.882483	0.882483	1.057689	1.010876	1.176037	0.724991	0.905458

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2164	1.189848	1.141209	1.141209	0.962464	0.714976	3.906086	0.962106	1.236205
2165	1.013259	0.909726	0.909726	0.682661	0.749769	0.627418	0.768126	1.254989
2166	0.699434	0.861970	0.861970	0.889039	0.158526	0.458538	2.436339	1.441422
2167	0.758792	1.241080	1.241080	1.044997	0.772095	0.951004	0.509645	1.185140
2168	0.883573	0.581286	0.581286	1.098419	0.685571	0.366829	0.842103	1.168804
2169	1.082559	1.063438	1.063438	1.084749	0.448402	0.261052	0.786511	1.229367
2170	1.079647	1.003078	1.003078	1.147820	0.471800	0.606397	2.742863	1.232629
2171	0.902284	0.995388	0.995388	0.643713	1.489802	0.941295	0.544603	0.913500
2172	1.042836	1.438827	1.438827	0.633335	0.389582	0.094018	2.207440	1.242031
2173	0.952323	0.982643	0.982643	1.059294	2.672937	1.205006	0.823220	1.414000
2174	0.916768	1.120007	1.120007	1.027821	0.281157	1.172014	1.350891	1.557377
2175	1.027203	0.359481	0.359481	1.020730	0.112472	1.066059	0.511240	1.323834
2176	0.988610	1.207855	1.207855	1.059408	1.302635	0.312871	0.591173	0.883254
2177	1.083936	1.080686	1.080686	0.377628	1.050689	1.054670	0.760655	0.841097
2178	1.195746	0.886353	0.886353	0.530257	0.401906	1.159570	1.026876	1.334329
2179	1.032077	0.689034	0.689034	0.585822	0.705254	0.758714	0.608312	1.229534
2180	0.835770	1.140950	1.140950	0.743857	0.180032	3.463590	2.252191	1.366616
2181	1.075061	1.261170	1.261170	0.830223	0.348703	1.377525	1.126667	1.241681
2182	1.030058	1.194179	1.194179	1.146774	0.392886	0.707287	0.565979	1.610046
2183	0.903505	0.739339	0.739339	0.646662	1.118517	1.297621	0.638324	1.068801
2184	0.892594	0.698000	0.698000	1.135468	0.293212	0.804646	0.754532	1.065550
2185	0.854073	0.940159	0.940159	1.009575	0.482360	0.568897	0.668963	1.361512
2186	1.095347	1.000779	1.000779	0.906895	3.213497	1.672168	2.713377	0.964780
2187	0.889703	1.064315	1.064315	0.779391	0.504499	0.457531	0.945438	0.905679
2188	0.958796	1.377826	1.377826	0.896629	0.526485	0.313180	1.432976	1.049947
2189	0.946576	0.881467	0.881467	0.366103	0.912570	0.242710	0.604865	1.634478
2190	1.031536	1.404998	1.404998	1.117284	0.510721	0.181472	0.651017	1.164178
2191	1.046776	1.083151	1.083151	0.768854	2.211295	0.654991	1.874650	1.012556
2192	1.020526	1.318755	1.318755	1.068869	0.193345	1.262125	0.526729	1.120376
2193	1.043277	0.966019	0.966019	0.873476	1.039647	0.251419	1.275900	1.654126
2194	0.828981	1.247001	1.247001	0.613829	2.175516	1.651701	0.708849	1.129453
2195	0.958144	0.890261	0.890261	0.812421	0.548853	0.182158	0.733730	0.874930
2196	0.958520	0.729376	0.729376	1.102572	0.864913	0.913558	1.729948	0.980370
2197	1.105390	1.061908	1.061908	0.538931	0.150749	1.575237	3.277002	0.759497
2198	1.014832	1.449013	1.449013	1.111029	3.042025	0.244391	1.807109	0.834685
2199	1.020895	1.224126	1.224126	0.872717	0.143551	0.230663	1.431491	0.825647
2200	0.976861	1.308516	1.308516	0.938475	0.326316	0.572955	0.707818	1.388443
2201	0.929101	0.615947	0.615947	0.904404	1.522648	0.956133	2.451051	1.050057
2202	0.922740	1.209108	1.209108	0.517027	0.281436	0.964518	0.808321	0.841148
2203	1.053406	0.489713	0.489713	0.494341	1.589116	0.483477	0.827854	1.543799
2204	0.991027	0.641480	0.641480	1.088237	0.770426	0.591906	1.214558	1.292127
2205	1.004070	0.982636	0.982636	0.696969	0.392015	1.208649	1.466114	0.844492
2206	0.951123	1.108233	1.108233	0.948001	1.168093	2.600061	1.090753	0.987976
2207	1.202589	0.972869	0.972869	1.103622	1.032765	0.534668	0.928359	0.976344
2208	1.025194	0.741989	0.741989	0.777240	1.298498	0.185372	0.595650	1.509584
2209	1.136648	1.373604	1.373604	0.636554	0.414073	0.102547	0.697102	1.015995
2210	1.197346	0.563410	0.563410	0.606374	1.242150	0.330215	1.554809	1.017269
2211	1.067859	0.839603	0.839603	0.632360	0.886420	1.299401	1.492011	0.894610
2212	1.056667	1.241239	1.241239	0.754967	1.295656	2.668717	0.614683	0.906678
2213	1.001322	1.203993	1.203993	0.464220	1.243645	0.836001	2.503916	1.242785
2214	0.933282	1.105323	1.105323	0.843384	1.347622	0.271700	4.153120	1.010158
2215	0.945136	0.906698	0.906698	0.554273	2.286888	0.333812	1.682286	1.418144
2216	0.926735	0.703345	0.703345	1.100862	1.075267	0.188787	0.799639	1.374395
2217	1.009826	0.645884	0.645884	0.664389	1.468131	0.374048	1.621186	1.050613
2218	0.985326	1.027099	1.027099	1.122392	0.766177	0.359118	1.102570	0.937358
2219	1.182630	0.870663	0.870663	0.590148	0.256501	2.593636	1.320525	1.147949
2220	0.944350	1.030108	1.030108	0.408332	0.772150	1.789167	1.064035	1.071824

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2221	0.939855	0.586770	0.586770	1.007755	0.448166	0.418477	0.639474	1.099504
2222	1.084252	0.873279	0.873279	0.798094	1.640001	0.411352	1.240260	0.839187
2223	1.066648	0.781309	0.781309	1.065717	1.142710	0.977442	0.952751	1.545498
2224	1.148027	0.993009	0.993009	0.929720	0.780614	0.286337	0.713202	1.184635
2225	0.988771	1.127079	1.127079	1.065099	2.666282	0.536099	0.579710	0.926679
2226	1.108977	1.242240	1.242240	0.559873	0.500816	0.838541	0.823521	0.987864
2227	1.016748	0.928943	0.928943	1.040533	1.472350	0.253639	1.192995	0.951610
2228	0.863781	0.898554	0.898554	0.910024	2.109489	1.140158	0.972575	0.812357
2229	1.042685	0.641794	0.641794	1.033730	0.568424	1.319706	1.318116	1.249558
2230	0.981171	0.977169	0.977169	1.058183	1.953346	0.975808	0.929438	1.246275
2231	0.857905	1.172446	1.172446	0.965823	0.650722	2.412458	1.939192	0.986096
2232	1.026616	1.004168	1.004168	0.611943	1.497400	1.080026	1.895408	1.355614
2233	0.896585	0.836806	0.836806	0.504211	0.907517	1.231722	0.510275	1.109322
2234	0.938555	1.051278	1.051278	0.278138	0.868618	0.358594	1.140057	1.105924
2235	0.953884	1.034250	1.034250	0.482781	0.212703	1.749098	1.168421	1.267336
2236	0.937280	0.767460	0.767460	1.113199	1.993523	1.171762	3.350346	1.532283
2237	0.916791	0.754462	0.754462	0.397195	1.852220	0.089255	1.063449	1.224264
2238	0.832161	0.724300	0.724300	0.622389	0.504917	0.369314	0.821086	1.376397
2239	0.817152	0.678352	0.678352	0.834845	0.521701	0.122435	1.110798	1.649711
2240	0.920119	1.000842	1.000842	0.923869	1.030168	0.783664	0.910266	1.000604
2241	0.857372	0.552265	0.552265	1.075355	1.846375	0.315209	0.813392	1.140271
2242	1.003048	0.798643	0.798643	1.049824	1.118040	0.936604	0.864017	1.252392
2243	0.982623	0.792771	0.792771	1.100789	0.903814	0.916220	0.697553	0.977444
2244	1.037408	1.318105	1.318105	0.940359	0.734874	0.570576	4.054639	1.057972
2245	0.816648	1.280865	1.280865	0.438497	1.162722	0.867852	0.770623	1.045050
2246	1.023272	0.761644	0.761644	1.120869	0.636207	0.186175	1.882792	1.215282
2247	0.946472	0.714714	0.714714	1.014970	1.533937	0.277497	1.139245	1.711469
2248	1.171710	0.850015	0.850015	1.031135	0.692901	0.771163	0.502058	0.983704
2249	0.970724	0.903353	0.903353	1.023615	0.983126	2.031921	1.440233	1.124317
2250	1.099550	1.024445	1.024445	0.452605	0.259039	0.663161	3.301110	1.009003
2251	1.006955	0.771464	0.771464	0.456406	0.332479	0.322269	5.178758	1.175672
2252	0.987305	0.510304	0.510304	0.866055	0.524697	0.467847	0.500562	1.097896
2253	1.028677	1.120181	1.120181	0.756697	1.579846	0.882439	0.574652	0.915044
2254	0.854111	1.356787	1.356787	0.663467	0.282412	1.910318	1.264787	1.041621
2255	1.006169	1.000403	1.000403	0.949560	2.802326	2.684244	1.080035	1.118210
2256	1.027341	1.010299	1.010299	0.812577	0.428640	0.136051	1.314219	1.304669
2257	1.086348	1.326898	1.326898	0.380189	0.298901	0.449740	0.505399	1.184626
2258	1.005959	0.950083	0.950083	0.754561	0.211473	0.091182	1.100719	1.233967
2259	0.885173	0.998946	0.998946	0.697207	0.445963	0.569449	2.120638	1.524201
2260	0.809536	1.136368	1.136368	0.999425	1.689158	1.259468	2.213738	1.407735
2261	1.012694	1.025333	1.025333	0.974018	1.430264	0.217488	2.155033	1.222926
2262	0.994394	1.235126	1.235126	0.993475	1.425643	0.762209	3.796329	1.111179
2263	0.867707	0.892277	0.892277	1.065209	0.832620	0.841668	0.654741	0.950419
2264	1.086324	0.741625	0.741625	0.670749	0.391564	0.559440	0.507066	0.913246
2265	1.044062	1.172704	1.172704	0.854279	0.630442	0.687456	1.486029	1.315677
2266	0.894692	0.927991	0.927991	1.134442	0.923950	0.767212	1.152725	0.923165
2267	1.126392	1.415902	1.415902	0.861831	0.741056	1.036027	0.778517	1.217088
2268	0.874948	0.990128	0.990128	0.829979	1.400062	0.148865	5.997263	0.854891
2269	0.926168	1.007446	1.007446	0.760055	1.764553	0.758351	4.825728	1.492330
2270	0.941862	1.244057	1.244057	1.081502	0.477329	1.310899	2.053466	1.302158
2271	0.992908	0.628563	0.628563	0.761316	1.703854	1.437993	2.312605	1.279481
2272	0.962919	0.558685	0.558685	1.131620	0.669605	2.667740	4.322827	1.168677
2273	0.979077	1.186729	1.186729	0.330770	1.005592	0.236082	1.261483	1.062793
2274	0.992295	0.969288	0.969288	1.086944	0.685931	0.680830	1.633043	0.965998
2275	1.112815	0.849006	0.849006	0.970771	1.133361	3.430017	1.628778	0.920568
2276	1.006035	0.855196	0.855196	0.782811	0.421832	0.118733	0.536919	1.079520
2277	1.039888	1.251740	1.251740	0.655655	0.497144	1.988080	2.628489	1.300510

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2278	1.057251	0.786194	0.786194	0.871609	0.697104	0.573864	0.632476	0.764848
2279	1.061841	0.831710	0.831710	1.143877	0.722404	0.855002	0.693393	0.968129
2280	0.873437	1.110858	1.110858	0.946183	0.199276	0.206558	0.790938	1.441761
2281	1.012264	1.012944	1.012944	1.071139	0.403402	0.184293	0.682205	1.064908
2282	0.991116	0.786408	0.786408	1.147994	2.075683	1.028392	0.641270	1.161976
2283	1.007026	0.941527	0.941527	0.784978	1.122056	0.823733	1.123615	1.488705
2284	1.020891	0.635908	0.635908	0.749640	1.544301	0.616079	1.097191	1.222962
2285	1.083615	0.743879	0.743879	0.557001	0.624391	0.464552	1.359798	1.389554
2286	0.994027	0.791954	0.791954	0.940601	0.721369	0.447954	0.644222	0.875910
2287	1.041055	0.525153	0.525153	0.946357	0.639018	0.863631	1.598261	1.040029
2288	0.993806	0.812479	0.812479	0.858320	1.034335	2.111968	0.804698	1.341729
2289	0.959205	1.173814	1.173814	0.584746	0.820784	0.306312	1.023441	0.925157
2290	1.037884	0.637215	0.637215	1.059206	0.886435	0.290969	2.416623	1.116940
2291	0.862427	1.170777	1.170777	0.940896	0.679131	0.470867	0.918131	1.038949
2292	0.994043	0.975762	0.975762	0.908511	0.643348	0.310825	0.764551	1.086532
2293	1.115660	1.156353	1.156353	1.049112	0.527614	3.351965	1.635658	1.081462
2294	1.003274	1.367385	1.367385	0.559020	0.310859	2.581795	1.302684	1.183189
2295	0.723809	1.037367	1.037367	0.828298	0.177269	0.206799	0.703369	1.142724
2296	1.136400	0.995061	0.995061	0.633395	0.545147	0.137459	2.132880	1.149881
2297	1.156351	0.518071	0.518071	1.106865	0.245635	0.484010	0.598931	1.053671
2298	0.786677	1.267588	1.267588	0.754036	0.119325	0.219859	0.925899	0.979396
2299	0.930711	1.289521	1.289521	1.025674	0.389524	3.795089	1.951265	0.900487
2300	0.930789	1.161062	1.161062	1.128530	0.347896	2.429334	0.542411	1.002814
2301	1.019942	0.767294	0.767294	0.918854	0.406513	2.056891	2.279611	0.794942
2302	0.897881	0.964262	0.964262	0.809611	0.517100	0.503760	2.211287	1.482701
2303	0.981087	1.209421	1.209421	0.776296	0.534280	2.280211	2.387514	1.011177
2304	0.923051	1.068010	1.068010	0.821158	0.451981	1.399449	0.793513	1.101894
2305	0.741759	0.963217	0.963217	0.950517	1.198324	0.383779	0.541039	1.100017
2306	0.940091	0.448374	0.448374	0.872815	2.440430	0.165917	1.156111	1.040653
2307	1.113655	0.824847	0.824847	1.113523	0.287739	0.650885	0.783024	0.977121
2308	0.995229	0.624284	0.624284	1.033239	1.132879	1.351402	0.576602	0.930777
2309	0.973578	0.502411	0.502411	0.756024	0.654633	0.238660	3.473164	0.946642
2310	1.044160	1.096110	1.096110	0.362720	0.426535	0.386733	1.408862	1.171473
2311	1.232554	0.994280	0.994280	0.408937	0.608267	2.713546	1.554627	1.386507
2312	1.080249	0.746238	0.746238	0.859439	0.514651	1.584183	0.537390	1.306436
2313	0.894126	1.245038	1.245038	0.831934	1.379281	0.612818	0.547716	1.220177
2314	0.947571	0.607333	0.607333	0.997943	0.365387	1.080492	1.704869	1.103867
2315	1.029444	1.278706	1.278706	0.826655	0.207116	0.207419	1.340060	0.875154
2316	1.233504	0.944623	0.944623	0.991167	0.434555	1.638721	1.579746	1.004398
2317	1.064001	1.267107	1.267107	0.789567	0.518820	2.957879	0.515252	1.449084
2318	1.000248	0.996316	0.996316	0.888312	1.943884	0.168086	0.587449	0.984245
2319	1.079271	1.281307	1.281307	1.006153	0.447694	0.534222	0.574200	0.803296
2320	1.038178	0.759882	0.759882	0.890133	0.946060	1.798975	0.599360	1.087137
2321	0.829428	0.880054	0.880054	1.132360	0.417444	0.344515	0.854927	0.877298
2322	1.020354	1.147847	1.147847	0.819714	0.698994	1.015047	0.514964	1.423190
2323	1.026177	0.831163	0.831163	0.654224	0.461779	3.663740	0.675756	0.959909
2324	1.171401	1.201808	1.201808	0.765392	0.207427	1.876832	1.074922	1.145129
2325	1.009982	0.371486	0.371486	0.899480	1.162941	0.438002	4.404221	0.820704
2326	0.978112	1.231579	1.231579	0.682228	0.356390	2.063520	0.908394	0.909744
2327	1.125961	0.949487	0.949487	0.921040	0.833000	0.858257	1.602539	0.832746
2328	1.005026	0.815929	0.815929	0.575317	1.153275	2.978934	1.708041	0.958735
2329	1.131635	1.332938	1.332938	0.852553	0.851802	1.032370	1.334040	1.199056
2330	0.975485	0.885088	0.885088	1.007260	0.886377	0.192277	0.637999	0.894237
2331	0.929438	1.170407	1.170407	0.679304	0.180734	0.077395	0.977002	1.361356
2332	1.063639	0.854865	0.854865	1.056734	0.767517	0.293586	1.225115	1.025851
2333	1.095620	1.165233	1.165233	0.809090	1.126288	0.822353	1.358551	0.975327
2334	1.039844	1.157088	1.157088	0.850859	0.872898	0.855702	0.700079	1.490963

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2335	1.054119	1.245908	1.245908	0.360526	0.114556	1.480618	1.168229	1.087552
2336	1.033309	0.599667	0.599667	0.828101	0.804587	0.378677	1.119059	1.035009
2337	0.943115	0.731680	0.731680	0.829266	0.306923	2.249762	1.487928	1.026835
2338	0.951391	0.961293	0.961293	0.897888	0.211933	0.404113	1.065029	1.433334
2339	1.149919	1.104574	1.104574	0.770634	1.640186	1.290077	1.799384	1.061566
2340	0.931386	0.696078	0.696078	0.958965	0.473588	0.134746	1.886507	1.262265
2341	0.890933	1.422535	1.422535	0.733318	0.334416	0.159951	0.855527	1.035401
2342	0.925586	0.935049	0.935049	0.585657	1.334019	0.506360	0.614381	0.983548
2343	0.958646	0.981257	0.981257	1.118952	0.118329	1.033870	1.436312	1.324296
2344	1.163815	1.387206	1.387206	0.731644	0.259619	0.166054	0.544670	1.190223
2345	1.029375	1.068906	1.068906	1.031746	0.675655	0.200763	1.222618	1.152992
2346	0.781802	1.266749	1.266749	0.988737	0.562479	1.281380	0.917523	1.252458
2347	1.052643	0.832839	0.832839	0.652157	0.400951	0.507010	1.468494	1.011466
2348	1.061814	0.799318	0.799318	1.136274	1.067485	1.052093	0.666370	0.852854
2349	1.027231	1.268083	1.268083	0.870279	1.888198	0.440870	0.635465	1.588392
2350	1.147467	0.842654	0.842654	0.883717	0.687343	0.611454	1.537613	1.134025
2351	0.939969	0.913127	0.913127	0.495996	0.591519	1.573207	0.876410	0.999779
2352	0.906720	1.281546	1.281546	1.142274	1.525220	0.615803	0.962030	0.925214
2353	1.227614	1.021287	1.021287	0.880632	0.767952	0.799525	1.014771	1.084699
2354	0.898042	0.649048	0.649048	0.939156	2.157130	0.321695	1.078924	1.140697
2355	1.026925	1.415063	1.415063	0.992818	1.035025	1.669158	0.694799	1.070487
2356	1.163583	0.755445	0.755445	0.591224	0.205082	1.500706	1.394387	1.422323
2357	1.121291	0.873538	0.873538	1.093428	0.701520	3.775197	2.933392	1.268032
2358	0.896029	1.043126	1.043126	0.745364	0.334622	1.028885	0.760059	1.178760
2359	0.877145	0.828222	0.828222	0.948913	0.179581	0.716290	0.681090	1.075082
2360	0.875838	0.921022	0.921022	0.746031	1.504769	1.261330	4.470560	1.513328
2361	1.022572	1.097066	1.097066	1.119861	0.550248	0.143615	0.664850	1.509350
2362	0.917974	1.259669	1.259669	0.945187	0.236676	0.855512	4.145341	1.428176
2363	0.945425	0.952930	0.952930	0.846319	2.146968	0.508975	3.620222	1.276518
2364	1.080595	0.648595	0.648595	0.684291	1.328149	0.615714	4.407134	0.927877
2365	1.224178	0.990032	0.990032	0.659783	0.514376	3.592933	1.259494	1.147476
2366	0.953384	0.449406	0.449406	0.631783	1.928435	0.574239	0.947630	1.224570
2367	0.896464	0.641383	0.641383	1.116734	1.133606	3.665878	0.560207	0.997097
2368	1.050088	1.014445	1.014445	0.946041	0.267748	0.595705	2.027962	1.558445
2369	1.052732	0.668594	0.668594	0.676287	1.440496	0.137536	1.683306	1.430168
2370	1.065562	0.415267	0.415267	0.734268	0.264443	0.379807	1.669316	1.614011
2371	1.185506	1.039621	1.039621	0.898107	1.179111	0.109563	1.214122	1.357372
2372	0.989682	0.961483	0.961483	0.724451	0.177635	0.337614	0.604799	1.141407
2373	1.006598	1.200100	1.200100	0.901948	1.373879	0.413436	0.704105	0.856236
2374	0.985422	0.737812	0.737812	1.118038	0.532120	0.570406	0.690481	1.278874
2375	1.008224	0.992341	0.992341	1.025426	1.134894	1.073453	1.492590	0.976475
2376	1.033413	1.004493	1.004493	1.041298	1.312930	0.526131	3.382153	1.379731
2377	1.169038	0.542635	0.542635	0.338615	0.215538	0.346465	1.999058	1.000797
2378	0.935185	0.952535	0.952535	0.911876	0.367723	2.225156	0.581130	0.959081
2379	0.950966	1.317954	1.317954	0.713779	0.640148	0.828254	2.592360	1.442451
2380	0.829438	0.951678	0.951678	0.717665	2.541078	1.864572	0.708591	1.374218
2381	1.242662	0.874749	0.874749	0.723113	0.553736	0.117933	0.921055	1.128110
2382	0.890286	0.743766	0.743766	0.584670	1.357165	2.749770	2.427039	1.027116
2383	0.971097	1.203898	1.203898	0.701049	0.511117	0.139866	0.791619	1.325953
2384	0.904205	1.063517	1.063517	0.992219	0.924680	0.197348	0.858533	1.218153
2385	0.914894	0.915101	0.915101	0.894221	0.398517	0.276095	1.327013	1.318655
2386	0.691028	1.085104	1.085104	0.956430	0.889917	0.259012	0.824935	1.412657
2387	1.053000	0.660818	0.660818	0.903880	0.385987	0.385985	1.552822	0.952858
2388	1.058210	0.725869	0.725869	0.881729	0.614601	0.341926	0.548064	0.875718
2389	0.902141	1.329470	1.329470	0.301940	0.495881	0.242638	0.808781	1.283483
2390	1.033475	0.899958	0.899958	0.948532	0.449340	1.119559	2.520870	1.621941
2391	0.912094	1.204777	1.204777	0.763649	0.104523	0.220850	0.978878	1.347187

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2392	1.054782	1.012936	1.012936	1.035012	0.621795	1.068738	0.643099	1.073516
2393	0.933819	0.348611	0.348611	0.758500	0.522291	0.363111	1.553588	1.048445
2394	1.127357	1.160901	1.160901	1.024212	1.562341	0.959653	0.742487	1.005405
2395	1.032772	1.215042	1.215042	0.992396	2.423348	1.174219	0.649248	1.161930
2396	0.799528	0.613525	0.613525	1.015846	0.309652	1.522474	2.613925	0.988200
2397	1.031203	0.752867	0.752867	0.834651	1.431779	0.143549	0.559465	1.326032
2398	0.993581	0.956929	0.956929	1.029613	0.814109	0.109739	0.775676	1.208884
2399	1.093016	1.248483	1.248483	0.751533	0.108889	0.520027	0.918989	1.633395
2400	1.085926	0.985971	0.985971	0.938157	0.177613	0.715198	2.657512	1.237301
2401	0.898893	0.936847	0.936847	1.004584	0.374061	0.545120	0.561270	1.314593
2402	0.954773	0.987179	0.987179	0.664319	1.832558	0.631787	0.634812	1.171604
2403	1.118872	1.236355	1.236355	0.643628	0.502621	0.220836	0.715835	1.090658
2404	0.828708	0.947120	0.947120	1.098434	0.972496	4.728389	1.117202	1.038775
2405	1.062393	1.217988	1.217988	0.604889	0.320509	4.341333	1.940125	0.942295
2406	0.892745	0.808882	0.808882	0.362734	1.531992	0.687881	2.474053	0.876550
2407	1.188557	0.912681	0.912681	0.546031	1.544613	0.334434	3.864221	0.963036
2408	1.184109	0.632896	0.632896	0.674573	1.424643	0.649110	1.048818	1.057280
2409	0.812722	1.228492	1.228492	0.974770	0.259796	0.285676	0.640449	1.170408
2410	1.062601	1.173840	1.173840	1.038353	2.322300	2.294862	3.709260	1.111290
2411	1.011722	0.779665	0.779665	1.012353	1.043767	0.393003	0.511956	1.109696
2412	1.012834	1.068337	1.068337	0.663088	2.510850	1.269634	0.598224	0.983396
2413	1.052334	1.280285	1.280285	1.116292	0.630734	0.305280	0.788792	1.017534
2414	0.930353	0.655719	0.655719	0.938211	1.487429	1.801734	4.040015	0.941986
2415	0.947362	1.291424	1.291424	0.971369	1.340489	0.242431	1.894009	1.273877
2416	0.975022	0.884378	0.884378	0.940062	0.775998	1.414041	1.103932	0.909052
2417	1.073748	1.227430	1.227430	1.075844	0.342354	1.222328	4.391839	0.866708
2418	0.958450	1.156570	1.156570	0.753299	1.471647	2.070430	1.310703	1.170444
2419	0.962827	0.917636	0.917636	0.856922	2.007029	0.995373	0.526276	1.201905
2420	1.003079	0.899565	0.899565	0.723391	0.686588	0.602558	0.548958	0.975360
2421	1.070021	0.458513	0.458513	0.908318	0.407858	1.327939	3.232038	1.144953
2422	1.005250	0.970260	0.970260	0.967736	0.691871	1.982008	0.541550	1.421419
2423	1.149539	0.460598	0.460598	0.478326	0.992377	0.875268	1.307613	1.106290
2424	1.096873	0.998669	0.998669	0.712899	1.784531	0.443107	0.580273	1.436885
2425	1.159346	1.083946	1.083946	0.462641	0.145741	0.411698	0.911944	0.835142
2426	0.887032	0.832024	0.832024	0.993588	0.809235	0.543938	3.879650	0.893648
2427	0.988332	0.795877	0.795877	1.087750	0.960585	0.254974	0.954565	1.368838
2428	0.810669	0.731322	0.731322	0.942917	0.810570	0.459626	0.919021	1.134930
2429	0.815553	0.937693	0.937693	0.718113	0.261306	2.699210	4.218789	1.060147
2430	1.156994	0.941823	0.941823	0.832518	1.248681	0.883762	0.574475	1.231208
2431	0.988123	1.341018	1.341018	0.558420	0.457923	0.382209	1.327276	1.022647
2432	0.987768	1.073447	1.073447	1.130143	0.310887	0.595686	1.484830	1.482452
2433	0.846553	1.241318	1.241318	0.180895	0.502344	4.391004	0.905142	1.051570
2434	1.115988	1.420800	1.420800	0.720308	1.884316	2.662829	1.306322	0.952791
2435	0.922751	0.884027	0.884027	0.693745	0.157649	0.768320	5.026595	0.815238
2436	1.025165	1.171989	1.171989	1.089224	0.535001	0.245165	1.094771	1.013613
2437	0.903990	0.695232	0.695232	1.021898	1.153274	1.083739	2.841100	0.935561
2438	0.769208	0.995339	0.995339	1.113879	0.732274	0.898258	0.845256	1.188671
2439	0.809403	1.036933	1.036933	1.112002	1.218473	2.457993	0.528709	1.291465
2440	0.997950	1.130381	1.130381	0.383764	0.796168	0.307982	1.034797	1.007620
2441	1.070773	0.738370	0.738370	0.316185	0.489535	2.017960	1.365866	1.244661
2442	1.028473	0.812207	0.812207	0.998783	0.740864	0.294507	1.610110	1.285378
2443	1.048743	1.351981	1.351981	0.704964	0.605382	4.325070	2.945316	1.461258
2444	0.816294	1.236548	1.236548	0.648471	1.179269	0.608335	1.122232	0.990616
2445	1.112527	1.331636	1.331636	0.617041	0.703036	0.546626	1.377346	1.410226
2446	0.873927	0.663985	0.663985	0.655824	1.959712	0.638044	1.534997	1.005928
2447	0.960957	1.200543	1.200543	0.904084	0.153618	0.912807	0.502534	1.050315
2448	1.215810	0.696224	0.696224	0.948605	0.570633	0.581976	0.509946	0.961761

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2449	0.908273	1.030094	1.030094	1.030006	0.567615	0.586345	2.007750	1.211873
2450	1.049842	0.700211	0.700211	0.885913	2.434071	0.643037	5.679910	1.268078
2451	0.987609	0.797290	0.797290	1.074778	1.743620	0.411222	0.600597	0.996111
2452	0.944133	0.934113	0.934113	0.734001	0.576514	0.135443	0.993374	1.075194
2453	1.039149	1.028850	1.028850	1.013412	0.712939	0.109638	3.376336	1.306034
2454	0.945514	1.329237	1.329237	0.852179	0.413805	0.627815	0.856385	1.021170
2455	1.135567	1.183303	1.183303	0.908518	0.419015	0.173053	1.753403	1.181892
2456	1.140548	0.957320	0.957320	1.065845	0.737909	0.098408	0.736418	1.349606
2457	1.070833	1.365997	1.365997	1.126028	0.503391	0.531748	1.354276	1.390125
2458	0.919659	1.155510	1.155510	0.998728	0.649460	0.354667	3.737128	1.559036
2459	1.110065	0.907894	0.907894	0.884781	1.353236	3.456739	1.199018	1.686157
2460	0.888653	1.439067	1.439067	0.749729	1.884252	0.766849	0.582862	1.075094
2461	0.877495	1.106713	1.106713	0.814734	0.674319	0.431030	2.320609	1.229705
2462	0.909850	1.363185	1.363185	1.088513	0.545961	1.479888	0.678706	1.294000
2463	0.911078	1.339304	1.339304	0.956897	0.809586	0.891870	0.831209	1.534613
2464	1.198644	1.096104	1.096104	0.845958	1.672258	1.252116	1.543721	1.463653
2465	1.014831	0.874441	0.874441	1.012723	0.400973	0.953337	1.884851	1.152191
2466	0.953166	0.946481	0.946481	0.931080	0.435787	0.760470	0.602534	1.069788
2467	0.968651	1.072077	1.072077	0.983560	1.756805	1.505124	1.666494	1.052230
2468	0.953850	1.148345	1.148345	0.967929	0.749802	1.727927	0.665763	1.344108
2469	1.057914	1.074359	1.074359	0.728076	0.440617	0.581833	2.270217	1.502132
2470	1.077591	1.292912	1.292912	0.681309	0.709728	0.139053	0.590530	1.412404
2471	0.924793	0.559685	0.559685	0.788675	0.577070	0.505588	0.594645	1.329587
2472	1.276692	1.069922	1.069922	0.850135	0.692170	0.540858	1.352324	1.269258
2473	1.055733	1.103886	1.103886	1.009848	0.484726	1.129076	0.576650	1.291332
2474	0.930142	0.903839	0.903839	0.631574	1.952368	0.376350	0.667766	1.064657
2475	1.037979	1.020228	1.020228	0.813159	0.720053	0.148586	2.016811	0.844860
2476	0.791203	1.284817	1.284817	0.788386	0.554277	0.336462	1.155536	1.500005
2477	0.898042	1.128361	1.128361	1.067414	2.505287	0.883353	0.636871	0.904695
2478	0.881483	1.185755	1.185755	0.646549	1.934798	0.237317	2.946349	1.118442
2479	1.015792	1.070195	1.070195	0.960586	0.792298	1.750730	1.026792	1.378675
2480	0.905021	1.157670	1.157670	0.667423	0.654600	0.794054	3.281814	1.229607
2481	1.173239	0.673176	0.673176	0.475829	0.809939	0.318316	1.090592	1.270073
2482	0.974377	1.047971	1.047971	0.953024	0.370294	0.714750	0.981125	0.849079
2483	1.005980	0.654516	0.654516	1.023926	0.166764	0.081013	1.369802	1.181880
2484	1.170495	1.205483	1.205483	1.130130	1.880135	2.598375	1.244905	1.521528
2485	0.738523	0.719517	0.719517	0.594130	0.580419	1.972038	3.713454	1.235268
2486	0.968204	1.083786	1.083786	1.023154	0.560011	0.881183	1.596595	1.087530
2487	0.984354	1.164598	1.164598	0.872279	0.270773	1.489857	1.109549	0.795946
2488	1.095594	1.396276	1.396276	0.276201	0.254216	1.007666	0.615474	1.463925
2489	1.004321	0.448336	0.448336	0.864853	0.530877	1.550322	1.659075	1.012891
2490	1.108292	1.283650	1.283650	0.995887	0.413970	0.893612	1.558354	1.219875
2491	0.964933	0.665379	0.665379	0.906988	0.955562	0.299269	1.680068	1.223727
2492	1.040427	0.554640	0.554640	0.609903	1.056264	0.227030	1.257750	1.228416
2493	0.851378	0.760285	0.760285	0.940239	0.196145	1.281859	0.548838	0.977188
2494	0.984978	1.010716	1.010716	0.866043	1.176200	4.449322	0.955174	0.991860
2495	0.995788	1.114929	1.114929	0.398624	3.007044	0.830621	3.593034	1.193445
2496	1.048245	1.093748	1.093748	1.012159	0.539841	1.411804	3.281511	0.866380
2497	0.951202	0.632052	0.632052	1.098873	0.525370	1.290643	0.648997	0.906897
2498	0.885671	0.986356	0.986356	0.659842	1.020761	0.897166	0.749782	1.078727
2499	0.800179	1.107741	1.107741	0.884524	0.558207	0.211028	5.362474	1.523288
2500	1.183499	0.678932	0.678932	0.715597	0.229904	0.421681	1.747913	0.959756
2501	1.181621	1.016891	1.016891	0.644146	0.125526	0.606714	1.152743	1.313636
2502	0.994043	1.010887	1.010887	0.902109	1.796310	1.174282	1.464538	1.457560
2503	0.885409	1.269958	1.269958	1.071108	0.274821	3.742851	0.591897	1.398205
2504	1.079347	0.940746	0.940746	0.463374	2.271305	0.283136	1.032954	1.414760
2505	0.994754	1.132420	1.132420	1.119486	1.168538	3.236591	0.538034	1.551989

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2506	1.066005	0.522448	0.522448	0.927077	0.896127	0.094133	1.294261	1.414204
2507	1.023286	0.817572	0.817572	1.015244	0.122989	1.039481	0.995473	1.162225
2508	1.146047	1.166451	1.166451	0.970856	0.292145	1.719114	0.523509	0.979863
2509	1.018364	0.664455	0.664455	0.668170	2.096167	0.073008	0.616873	1.043754
2510	1.054810	0.504005	0.504005	0.943938	0.737303	1.879057	0.854478	0.865899
2511	0.908365	0.807269	0.807269	0.786307	3.156692	0.569670	0.637165	1.074585
2512	1.043903	1.292473	1.292473	0.654133	0.527476	4.949635	3.402500	1.447767
2513	1.095074	0.992636	0.992636	1.071305	2.544610	0.374669	1.602582	1.301356
2514	0.761105	0.452442	0.452442	1.016236	0.815627	0.768488	3.245408	1.335996
2515	1.096930	1.028675	1.028675	1.136867	0.207155	0.799735	0.664852	0.875186
2516	0.880149	1.275643	1.275643	0.787811	1.307335	0.156148	0.608753	1.179938
2517	0.980676	0.647463	0.647463	0.470630	0.700027	0.529482	0.924376	0.886179
2518	0.803929	0.378633	0.378633	0.459562	1.324563	0.851262	2.041749	0.973088
2519	0.902454	0.837607	0.837607	0.716890	1.527921	0.122996	1.945930	1.330309
2520	1.091258	0.971834	0.971834	1.110106	2.861328	0.638523	2.867237	1.367708
2521	0.938879	1.429709	1.429709	0.908997	0.324789	0.561777	1.470910	1.282562
2522	0.988100	0.809108	0.809108	0.854502	0.639356	0.745485	0.756684	1.315026
2523	1.068717	0.833688	0.833688	0.947871	0.380853	0.448298	2.221814	1.359442
2524	1.049048	1.071046	1.071046	0.759064	2.312727	2.233974	0.676216	0.999696
2525	1.162890	1.245569	1.245569	0.662868	0.767383	0.470797	0.576352	1.231569
2526	1.068806	1.274497	1.274497	0.900848	1.424782	0.532374	1.949711	0.877357
2527	1.048762	0.993427	0.993427	1.085418	0.549902	1.723988	1.640282	1.067030
2528	1.007528	1.334221	1.334221	0.624903	0.310078	1.354900	1.699402	1.336283
2529	1.109106	1.193103	1.193103	0.986258	0.738139	0.655722	1.001898	1.039988
2530	1.064445	0.851159	0.851159	1.010062	0.143986	0.288261	4.671235	1.444319
2531	0.974086	1.017843	1.017843	0.820975	0.934685	0.736667	0.874047	1.012427
2532	0.932240	0.683553	0.683553	0.892898	0.652910	0.710059	0.587298	1.062651
2533	0.919553	0.903434	0.903434	1.137570	1.149738	0.241132	2.503528	0.896496
2534	0.906701	1.113832	1.113832	1.055163	0.126232	0.187073	0.983590	1.671776
2535	0.738181	1.101348	1.101348	0.982690	0.576758	0.271984	1.262967	1.208092
2536	0.865911	1.247006	1.247006	0.575845	0.366473	0.709015	1.363098	1.096953
2537	1.060956	0.692048	0.692048	0.790528	1.352941	0.256603	0.594769	1.157379
2538	1.110730	1.112889	1.112889	0.961911	1.036874	1.432320	0.625515	1.610014
2539	0.831310	0.985785	0.985785	0.667800	1.006718	0.401389	0.584879	1.111309
2540	1.034579	1.139809	1.139809	0.673141	0.739418	0.228446	1.790343	1.034313
2541	1.027941	1.100515	1.100515	0.955548	1.694644	1.315873	0.801661	1.273404
2542	1.150337	1.246139	1.246139	0.591525	0.334038	0.262479	1.586188	1.294379
2543	1.162121	0.958552	0.958552	0.965374	0.198704	2.594555	0.938026	1.295407
2544	0.974236	0.635255	0.635255	0.825263	0.270992	0.676157	0.739415	1.354508
2545	1.034825	0.840642	0.840642	0.907183	1.674805	0.286282	0.723390	1.181831
2546	0.966553	1.208961	1.208961	0.930967	0.426807	0.501487	1.182473	1.081414
2547	1.069650	1.036218	1.036218	0.704044	0.843293	1.565979	2.845353	1.263906
2548	0.984996	1.023006	1.023006	0.442614	0.201689	1.385380	0.530264	1.160732
2549	0.981665	0.606276	0.606276	1.011579	0.720099	1.420085	0.745877	1.061835
2550	0.912691	1.135932	1.135932	0.911991	1.343741	0.903038	0.563592	1.326825
2551	0.973927	1.240720	1.240720	1.020075	3.288529	3.571800	0.791725	1.047728
2552	0.886981	0.949280	0.949280	0.629596	0.975435	0.358413	0.671028	1.117221
2553	0.964175	1.021614	1.021614	0.585458	1.388356	0.733569	0.895057	1.501195
2554	0.970996	1.121326	1.121326	0.790812	0.254915	0.946369	0.702123	0.804707
2555	0.929864	0.532293	0.532293	0.797704	0.145846	9.168166	0.914177	1.363232
2556	0.789323	1.098764	1.098764	0.347266	0.862607	0.151642	0.705221	1.408251
2557	0.882792	1.111139	1.111139	1.026352	0.237184	0.263383	2.373179	1.524259
2558	1.033306	0.754859	0.754859	0.727904	0.941729	1.345151	0.845235	1.051275
2559	0.949027	0.896525	0.896525	0.880595	0.636104	0.577898	0.971513	1.153375
2560	0.910706	1.182834	1.182834	0.703186	0.686902	0.604993	0.598634	1.024180
2561	0.823835	1.043332	1.043332	0.984603	1.358420	1.294335	0.633083	0.962632
2562	1.116594	1.365109	1.365109	0.925281	0.445507	0.131238	0.805249	1.045482

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2563	0.852387	0.905513	0.905513	0.942591	0.462242	0.798109	1.303466	1.087209
2564	0.918388	0.792748	0.792748	0.752145	2.149798	0.605597	0.729424	1.339519
2565	1.037066	1.270962	1.270962	1.137907	0.256005	0.343372	1.789410	1.180381
2566	0.953563	0.860253	0.860253	1.014610	2.377836	0.069860	3.997983	0.979493
2567	0.883374	0.416980	0.416980	0.921990	0.215428	2.874036	0.742639	1.420252
2568	0.888857	0.993586	0.993586	1.072697	2.149186	0.806305	0.629514	1.002934
2569	0.948164	0.885624	0.885624	0.717652	1.286509	1.598365	0.603339	0.877981
2570	1.026040	0.730547	0.730547	0.575815	0.388752	0.521736	3.727186	1.610807
2571	0.859645	1.297609	1.297609	0.920241	0.743532	0.216808	5.530611	1.143036
2572	1.022563	0.998762	0.998762	0.717540	2.064113	0.424670	1.088378	1.143558
2573	0.965761	1.305747	1.305747	0.796813	0.751969	4.456443	0.974297	1.395894
2574	0.942354	1.073639	1.073639	1.086742	0.257616	0.133444	2.454000	1.613431
2575	0.999676	0.904512	0.904512	0.914314	0.958533	0.160179	0.980244	1.020193
2576	1.220873	0.974127	0.974127	0.450672	0.964824	0.703763	0.518396	1.365526
2577	0.972028	0.821860	0.821860	1.034412	0.338673	6.503203	1.988507	1.178868
2578	0.929463	1.353480	1.353480	0.798916	2.256833	0.118672	1.719707	1.281050
2579	1.200276	0.929048	0.929048	0.895452	0.279457	0.147283	0.511763	1.028516
2580	1.065747	0.546691	0.546691	0.689354	0.209730	0.780552	0.610110	0.827615
2581	1.157088	1.166142	1.166142	1.072060	1.241690	0.222807	0.893648	1.190168
2582	1.058689	0.492520	0.492520	0.952099	0.269827	0.301170	0.972439	1.014032
2583	1.121478	0.638695	0.638695	1.132870	0.575572	0.854142	1.304957	0.903211
2584	0.883230	0.439607	0.439607	0.940491	0.292925	0.603900	1.241920	1.314316
2585	0.980106	0.904987	0.904987	0.475791	0.859481	0.551259	0.608797	1.440198
2586	1.082137	0.924936	0.924936	1.045955	1.590451	0.812395	1.750639	1.033796
2587	0.864260	1.351984	1.351984	0.874758	0.273328	1.274458	0.713817	1.635824
2588	1.009947	1.162503	1.162503	1.089296	0.709655	0.906528	1.324691	1.113539
2589	0.945627	1.175637	1.175637	0.910695	1.028670	0.905336	1.721214	1.520452
2590	1.133860	1.112557	1.112557	1.007959	0.892604	1.844996	2.182693	1.407478
2591	0.923191	0.804661	0.804661	0.624080	0.658571	0.238260	4.902140	1.063964
2592	0.930335	1.290080	1.290080	0.838226	1.057582	0.483738	4.485489	1.145936
2593	0.981880	0.913616	0.913616	0.997841	0.399863	0.437429	4.676939	1.440719
2594	1.210312	0.921186	0.921186	0.884746	2.765858	0.313124	4.068975	0.972105
2595	1.007126	1.306607	1.306607	1.005915	0.320994	0.287647	0.971764	1.601696
2596	0.882746	0.996918	0.996918	1.018919	0.711532	1.063046	0.756335	0.823828
2597	1.144242	1.242286	1.242286	0.647452	0.443616	0.628824	2.659104	1.142217
2598	1.095585	0.894214	0.894214	1.003935	0.432502	0.545197	1.923524	1.222833
2599	0.910105	1.337053	1.337053	0.682589	0.224893	0.781588	1.627790	1.525278
2600	0.977056	1.431246	1.431246	1.135296	0.198340	0.659979	1.569903	0.930141
2601	1.082847	0.762621	0.762621	0.802001	0.460402	0.368335	1.669001	1.003917
2602	1.010642	1.175790	1.175790	0.643231	1.956990	0.508079	3.294002	1.261042
2603	0.917630	1.127060	1.127060	0.778002	0.512925	2.200322	0.814009	1.286172
2604	1.101063	0.660755	0.660755	0.778263	0.485352	1.676500	1.321362	1.491965
2605	1.138339	0.755804	0.755804	1.091126	0.488889	0.262070	1.371342	1.598257
2606	1.089033	0.572632	0.572632	0.959861	0.477948	2.904226	0.525662	1.326332
2607	0.998805	0.934093	0.934093	0.885938	0.469565	1.543658	0.640192	1.095835
2608	1.029379	1.103775	1.103775	0.528499	1.273669	0.751482	0.571604	1.027856
2609	0.964520	1.071229	1.071229	0.957352	2.322250	0.393708	0.599294	1.256376
2610	1.014117	1.109670	1.109670	0.503654	1.024149	1.560267	0.531358	1.212321
2611	0.820634	0.624348	0.624348	1.099811	0.580478	0.902233	0.878296	1.627868
2612	0.915816	1.203055	1.203055	0.971410	0.193261	0.890127	5.021820	1.108225
2613	1.158489	0.993435	0.993435	0.617252	0.395716	0.223231	0.865766	1.154171
2614	0.929060	1.389020	1.389020	0.345585	0.388794	0.628417	2.733298	1.291753
2615	0.853576	0.481840	0.481840	0.846653	0.777852	0.528308	1.285387	1.046322
2616	1.039014	0.925689	0.925689	0.629551	0.922297	2.376980	3.002468	1.023241
2617	0.999822	0.842988	0.842988	1.129425	0.260032	0.349410	0.581187	1.035178
2618	1.170686	1.291232	1.291232	0.539715	2.006808	3.519137	0.756549	1.003716
2619	1.068589	1.100296	1.100296	0.726859	0.552225	1.200558	0.533930	1.280689

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2620	0.854702	0.748802	0.748802	1.060451	2.531505	1.671312	1.492661	0.933682
2621	0.902622	1.133659	1.133659	0.576575	1.007502	0.103451	1.017837	1.131735
2622	1.176632	0.891830	0.891830	0.974722	0.456060	0.164494	1.061858	1.485379
2623	0.913291	0.823448	0.823448	1.015817	2.888063	1.942727	0.616725	1.143450
2624	1.036978	1.249670	1.249670	0.917856	0.840557	2.169706	1.733176	1.284288
2625	1.005291	0.946103	0.946103	0.798196	0.478061	4.041823	0.588031	1.479028
2626	0.780385	1.024192	1.024192	0.322690	1.273551	2.322184	0.562749	1.152776
2627	0.918357	0.878855	0.878855	0.708034	3.247045	0.299158	0.532986	1.265653
2628	0.836443	0.688236	0.688236	0.627611	0.535401	1.616082	0.550395	1.514171
2629	0.958588	1.028666	1.028666	0.969695	1.676661	2.106872	0.572090	1.066280
2630	0.982705	1.018107	1.018107	0.699076	1.949064	0.930931	1.237160	1.198472
2631	1.130385	1.003845	1.003845	0.688739	0.553503	1.432824	0.762444	0.971589
2632	1.043381	0.826314	0.826314	0.980065	0.731181	0.151800	1.623939	0.885361
2633	0.908782	0.868924	0.868924	0.970872	0.373064	0.369417	2.537893	1.219748
2634	0.989368	1.184928	1.184928	1.072096	1.067492	0.207556	1.780915	1.013054
2635	1.045671	0.535939	0.535939	1.093245	0.243815	0.284460	1.700653	1.418778
2636	0.874512	0.736180	0.736180	0.831785	0.771907	1.742751	2.361843	1.048438
2637	0.982059	0.947137	0.947137	0.923611	0.679588	4.798119	1.106353	0.794169
2638	0.855586	1.344756	1.344756	0.511807	2.570268	0.413989	2.809946	0.998379
2639	1.014637	0.927519	0.927519	0.870153	1.918724	1.218484	2.071687	1.092603
2640	1.065230	1.193615	1.193615	0.807237	0.654426	0.863570	1.055050	1.015272
2641	1.094726	0.886907	0.886907	0.738250	1.583114	0.985840	1.341831	1.125472
2642	1.129536	1.291623	1.291623	0.748423	1.170355	1.546159	0.725274	1.370409
2643	1.035516	0.794282	0.794282	0.593927	2.028235	0.490838	0.504175	1.067820
2644	1.034643	0.732393	0.732393	0.899949	3.046290	5.863777	0.650049	1.334797
2645	1.159616	0.735538	0.735538	0.873208	0.465425	0.144352	1.940819	0.968372
2646	1.056912	1.404819	1.404819	0.779805	3.192295	0.429306	0.887249	1.505660
2647	0.797711	0.795597	0.795597	1.098027	0.474672	0.257821	0.819606	1.283004
2648	1.091480	0.625182	0.625182	1.018047	1.158832	0.649969	0.698054	1.047573
2649	0.933123	0.735815	0.735815	0.892564	0.522911	0.794955	1.111551	0.919810
2650	1.011975	0.985559	0.985559	0.609391	1.404269	0.280325	1.900501	1.107889
2651	0.830228	0.950663	0.950663	1.003761	0.137224	1.620529	0.815322	1.029937
2652	1.087353	1.267151	1.267151	0.805039	0.228587	0.515065	1.976215	1.316240
2653	0.852162	1.056440	1.056440	0.863668	0.504232	0.351002	0.715041	0.906784
2654	1.035544	1.161483	1.161483	0.716663	0.355490	4.007350	0.661352	0.986623
2655	0.839383	0.855420	0.855420	0.438607	0.270649	0.946307	5.800180	1.178497
2656	0.960596	0.858555	0.858555	0.949803	0.742903	0.580731	0.660871	1.089037
2657	1.110707	1.160382	1.160382	0.603789	0.840967	1.598803	3.957383	1.473861
2658	1.136157	1.023525	1.023525	1.073790	2.067014	1.462593	1.307731	0.897352
2659	0.963324	1.415543	1.415543	0.877601	0.693518	1.237720	0.899242	1.220347
2660	1.072308	1.141675	1.141675	0.647132	2.460812	1.214822	1.681776	1.040303
2661	0.941190	1.155124	1.155124	0.778279	0.460613	1.974281	3.226237	1.231472
2662	0.988236	1.151982	1.151982	0.887767	1.942856	0.195110	0.811245	1.131178
2663	1.274709	0.899948	0.899948	1.066993	1.323631	4.943021	1.914275	1.068700
2664	0.995621	1.287738	1.287738	1.057686	0.704461	0.423346	0.827948	1.031686
2665	1.018442	1.169929	1.169929	1.109170	0.744835	0.575590	1.174334	1.466766
2666	0.960813	1.193599	1.193599	1.068314	0.301399	0.270119	1.090815	1.164592
2667	1.136813	0.954480	0.954480	1.079845	0.350460	0.916216	1.578425	1.153516
2668	1.074455	0.843030	0.843030	0.979808	0.394424	0.463941	0.794752	1.161875
2669	0.943032	0.892141	0.892141	0.594669	1.193087	1.253010	1.545695	1.075248
2670	1.363338	0.825735	0.825735	1.039557	1.399324	0.312654	2.161444	1.061652
2671	0.954913	0.263305	0.263305	1.066973	0.575184	2.068704	2.809215	0.928970
2672	0.991291	0.999811	0.999811	0.847586	0.174725	0.922274	4.488660	1.506838
2673	0.876135	0.727888	0.727888	1.062162	0.448605	0.637795	0.977786	1.510631
2674	1.012486	0.870203	0.870203	0.785138	0.343360	1.144471	1.146511	0.956761
2675	0.940713	0.444021	0.444021	0.736993	0.801935	1.154822	0.747368	0.910554
2676	1.014027	0.546222	0.546222	0.688871	2.262884	0.488566	0.564939	1.335776

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2677	1.050784	1.049923	1.049923	0.770726	0.278511	0.200531	0.938746	1.447072
2678	1.118501	0.906480	0.906480	1.015358	0.288611	0.339898	3.205438	0.842210
2679	1.038927	0.822455	0.822455	1.132580	0.498695	0.483016	0.557440	0.816524
2680	0.852577	1.043406	1.043406	1.022656	0.507735	1.723900	1.159526	1.023745
2681	0.998848	0.788558	0.788558	0.817092	1.121351	0.797053	1.245833	0.993127
2682	0.973298	0.675765	0.675765	0.840171	0.315680	0.394507	2.150168	1.153289
2683	1.047705	0.849284	0.849284	0.718567	1.251459	0.759034	1.353149	0.857313
2684	0.845525	1.327553	1.327553	0.665982	0.538765	0.654032	0.578138	0.961818
2685	1.045893	0.850636	0.850636	1.089465	0.916382	1.288380	0.782895	0.968579
2686	1.130268	1.159191	1.159191	0.889577	0.585227	0.146373	1.769295	1.655491
2687	1.192503	1.418090	1.418090	1.038320	0.184125	1.506766	0.935135	1.216208
2688	1.180138	0.912895	0.912895	1.008788	0.529372	0.367608	3.758711	1.033119
2689	0.976056	0.791169	0.791169	0.817043	0.186655	0.927839	2.447728	1.055996
2690	0.975087	0.864523	0.864523	0.783894	0.536663	0.736147	1.292002	0.897123
2691	1.115202	1.136961	1.136961	1.011377	0.228256	0.144224	0.514736	1.111453
2692	1.010674	0.613756	0.613756	0.988989	1.476964	1.862095	1.695858	1.381602
2693	0.962892	0.913963	0.913963	1.135513	0.249549	6.296893	1.513838	0.982126
2694	0.921745	0.904375	0.904375	0.979442	0.371139	1.207422	0.503336	1.265623
2695	1.039519	0.939598	0.939598	0.481169	0.389087	0.157654	3.959567	1.039412
2696	0.846514	1.101248	1.101248	1.106237	0.620899	1.594224	0.530512	1.225039
2697	0.996941	1.150811	1.150811	0.738228	0.261528	1.459222	1.218294	1.260946
2698	0.936232	1.130194	1.130194	1.005366	1.386799	0.250780	1.630196	1.333978
2699	0.922302	0.869955	0.869955	0.874120	1.865574	0.130138	1.078338	1.046521
2700	0.949745	1.215876	1.215876	0.901098	2.026073	1.477556	2.008557	1.093786
2701	0.992368	1.213257	1.213257	0.586711	1.004111	5.334593	0.584474	1.321622
2702	1.069976	0.870729	0.870729	1.149900	0.226545	0.659993	0.615522	1.438275
2703	1.015405	1.012090	1.012090	0.764597	1.873456	2.024632	1.197516	1.271846
2704	1.136622	0.606317	0.606317	0.736415	2.240105	0.799238	1.347297	0.918762
2705	1.075344	1.303073	1.303073	1.138273	0.757088	1.518779	0.656711	1.345623
2706	0.946854	1.024203	1.024203	0.981604	0.400264	0.439973	1.310335	0.778298
2707	0.982333	0.666732	0.666732	0.847199	0.510235	0.524856	0.694346	1.493602
2708	0.999670	1.284560	1.284560	0.556072	0.802548	0.112804	0.595677	1.093112
2709	0.928403	1.325441	1.325441	1.055244	0.343558	1.737199	2.350737	0.929059
2710	0.986797	0.682993	0.682993	1.135788	0.729461	0.540876	1.534701	1.185759
2711	1.158243	0.894046	0.894046	0.720913	0.531223	1.223419	0.690246	1.168584
2712	1.004743	1.090567	1.090567	1.083144	0.523749	0.288861	0.734698	1.042753
2713	1.092974	0.951435	0.951435	0.940510	0.399096	0.317266	2.594923	1.005049
2714	1.107183	1.169569	1.169569	1.071149	0.602697	5.766738	2.582243	1.097648
2715	1.019510	0.677398	0.677398	1.033322	0.513922	1.237650	0.549382	1.577775
2716	1.051025	1.294772	1.294772	0.910595	1.620688	0.374399	0.623985	1.567492
2717	0.885580	0.738846	0.738846	0.874551	0.457163	0.616173	1.365438	1.193099
2718	1.006783	0.863289	0.863289	0.598836	0.795499	0.129069	0.865079	1.017411
2719	1.080968	0.896032	0.896032	0.863605	1.281572	0.307277	1.162625	0.921626
2720	0.966382	1.240098	1.240098	1.055423	0.581548	1.537543	0.822551	1.487721
2721	1.063324	0.861628	0.861628	0.936732	0.292368	6.978575	0.894908	1.308674
2722	1.157319	1.069312	1.069312	0.726653	0.631064	0.643923	0.711860	1.204397
2723	1.092949	0.642139	0.642139	1.125651	0.530628	0.179104	3.724877	1.123724
2724	1.037466	1.178989	1.178989	0.915110	0.648315	5.713925	1.272555	0.958617
2725	0.887409	0.586013	0.586013	0.605992	0.213415	1.972612	1.412432	1.103859
2726	0.911893	0.917323	0.917323	1.117586	0.340510	0.803691	0.661330	1.182699
2727	1.172391	1.203058	1.203058	1.101067	0.524247	0.994075	1.109553	1.022640
2728	0.924147	1.088579	1.088579	0.448197	0.447629	2.073433	4.196158	1.377935
2729	1.078059	1.106297	1.106297	1.133107	0.255784	1.023110	0.955886	0.983893
2730	1.176122	1.009703	1.009703	1.051634	0.666850	0.553327	1.209258	0.962743
2731	0.950435	1.036010	1.036010	0.844487	0.539645	1.299873	0.756974	0.946010
2732	1.008346	1.160655	1.160655	0.679890	0.327725	0.112036	2.863559	0.954919
2733	0.876122	0.982804	0.982804	1.064669	0.279394	3.599376	0.800456	1.174351

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2734	0.913757	0.974979	0.974979	0.740156	0.569630	2.858341	0.525365	0.919589
2735	0.927593	0.916517	0.916517	0.328023	0.604844	1.011274	1.059785	1.086297
2736	1.172819	0.892735	0.892735	0.820496	0.653535	0.369508	0.816717	1.405900
2737	1.041018	1.023133	1.023133	0.630403	1.055604	2.955359	0.963570	0.941098
2738	0.985832	0.688963	0.688963	0.980733	0.921847	0.066756	0.510083	1.541701
2739	0.827055	0.883532	0.883532	0.748060	0.941646	1.441600	4.935248	1.195212
2740	0.919264	0.992172	0.992172	0.799210	0.401791	0.290837	2.563032	1.067250
2741	1.020529	0.739062	0.739062	0.999814	1.935838	2.450422	2.516657	1.288810
2742	0.864045	1.179057	1.179057	0.521770	1.257292	0.069753	1.985107	0.955839
2743	0.986086	1.191409	1.191409	0.694075	1.215463	1.164191	0.507494	1.113492
2744	1.130870	0.957885	0.957885	1.050007	0.455817	0.375734	0.674615	1.584027
2745	0.949111	1.370294	1.370294	0.703117	0.543412	0.290141	3.543831	1.302451
2746	0.946622	1.266988	1.266988	1.023389	0.535201	0.551653	0.502744	1.223245
2747	0.927797	0.900083	0.900083	0.623585	2.778751	0.177562	3.966376	1.266631
2748	1.112528	1.028948	1.028948	0.794202	0.223756	0.475406	0.959825	0.982331
2749	0.892380	0.842886	0.842886	0.793662	1.261629	1.600089	1.057818	1.273201
2750	0.996216	0.604501	0.604501	0.900094	1.085818	7.529074	0.538754	0.952173
2751	1.027185	0.919852	0.919852	0.827819	0.764018	1.676588	0.540615	0.940207
2752	0.938418	1.212328	1.212328	0.925780	0.626234	1.335362	2.553415	1.270640
2753	0.943374	1.230754	1.230754	0.999263	0.761366	0.579694	3.156292	1.174975
2754	0.818776	0.424786	0.424786	1.033763	1.260256	0.834864	2.030762	0.991606
2755	0.960860	0.934459	0.934459	0.783668	0.743809	1.190321	0.776074	1.182447
2756	0.959606	1.308996	1.308996	0.825612	2.515251	0.274695	4.511841	1.018044
2757	1.094814	1.049144	1.049144	0.853220	1.054142	1.210888	1.083415	1.559567
2758	0.959208	1.337830	1.337830	0.283602	1.637505	0.876468	0.506310	0.996277
2759	0.989333	0.564619	0.564619	0.552490	2.077650	0.738909	0.993832	1.020839
2760	1.006552	1.021595	1.021595	0.832186	0.510798	0.404262	0.744872	1.089161
2761	1.044503	1.121053	1.121053	0.972444	1.393148	0.423954	1.408668	1.125742
2762	0.930581	1.360066	1.360066	0.614502	1.525046	0.467607	0.545639	1.087776
2763	1.040982	0.837626	0.837626	1.117030	0.841536	4.561346	0.505621	1.655846
2764	0.808571	1.070521	1.070521	0.502873	0.791218	2.160506	4.981459	1.178876
2765	0.876162	0.784827	0.784827	0.693042	0.165065	0.284028	0.591869	0.926614
2766	0.974951	0.672885	0.672885	0.708651	0.163567	0.352587	3.303472	1.049365
2767	0.906710	0.980274	0.980274	1.084260	0.534835	0.094717	4.578335	0.995842
2768	0.827689	0.817993	0.817993	0.742713	0.445771	0.472207	1.285443	1.589300
2769	0.928980	1.150094	1.150094	0.971612	1.191314	0.266607	0.535052	1.274553
2770	1.269732	1.043818	1.043818	0.736750	2.150379	0.697252	0.890010	0.889104
2771	0.966221	0.835319	0.835319	1.036999	1.081401	0.330879	0.590557	1.565570
2772	0.925621	1.034935	1.034935	1.015132	0.508886	0.353990	0.503652	1.297965
2773	1.081417	0.998582	0.998582	1.044918	0.299461	1.470854	4.171435	0.967319
2774	0.878767	1.087317	1.087317	0.594559	0.462688	0.771987	0.672756	1.158195
2775	1.050979	1.105978	1.105978	1.068130	0.181711	1.046141	1.340624	0.926586
2776	1.096804	0.741292	0.741292	1.068100	0.685278	0.187530	0.753863	1.154991
2777	0.977930	1.196199	1.196199	0.811941	0.222437	0.814872	0.717384	1.387363
2778	1.215295	1.025942	1.025942	0.529380	0.752662	0.191380	0.550308	1.294112
2779	1.021501	1.418556	1.418556	0.824637	1.824960	1.213523	0.508650	1.034107
2780	0.938217	0.663986	0.663986	1.004101	1.545474	3.419027	1.559931	1.166888
2781	1.016783	0.996317	0.996317	1.041282	0.464287	0.880400	2.592891	1.201104
2782	0.990477	1.104954	1.104954	1.004973	0.157470	0.432701	1.025233	1.143819
2783	0.970367	0.992357	0.992357	1.061464	1.465718	1.129751	4.375647	1.260016
2784	0.955456	1.043732	1.043732	0.864676	0.847196	0.521490	1.181379	1.278745
2785	1.141609	0.933820	0.933820	0.968499	0.608158	0.255967	1.197897	1.420314
2786	1.078128	1.040337	1.040337	0.561471	0.955242	1.685250	0.758973	1.376361
2787	0.990063	0.721021	0.721021	0.641537	1.769377	0.393996	0.914776	1.421700
2788	0.993758	0.884855	0.884855	0.938173	0.861648	1.148146	1.975682	1.105723
2789	1.109085	1.356481	1.356481	0.512788	1.107866	0.605030	0.714849	0.984626
2790	1.167994	1.106199	1.106199	1.034163	0.235589	0.205785	0.879266	1.173387

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2791	0.958264	0.440470	0.440470	0.511003	3.107645	1.143883	0.529952	1.344868
2792	1.017275	1.078068	1.078068	0.726816	0.135887	0.271062	4.490665	1.132968
2793	1.076614	0.887118	0.887118	0.512917	2.327455	1.255788	2.144897	0.954477
2794	1.044467	0.927395	0.927395	0.991552	0.707727	1.485609	1.820316	1.159828
2795	1.096799	0.903076	0.903076	0.942176	0.623084	0.488571	0.874575	1.302107
2796	1.194218	1.392261	1.392261	1.127933	0.734266	0.855250	0.765813	1.318138
2797	1.009183	1.395030	1.395030	0.607030	1.274170	0.573282	0.531279	1.121202
2798	0.919415	0.934693	0.934693	0.729258	0.978403	0.587414	0.506909	1.185869
2799	0.921990	0.945549	0.945549	1.013296	1.157028	0.751119	0.533619	0.842962
2800	1.058998	1.172665	1.172665	1.126083	0.761486	1.863839	0.790139	1.214910
2801	0.910196	0.968646	0.968646	0.701736	0.356211	0.361605	0.991994	1.337017
2802	0.957068	1.112808	1.112808	1.003352	2.474073	8.207593	1.074181	1.098494
2803	0.900248	1.300628	1.300628	0.979798	2.057616	0.910322	0.614948	1.182239
2804	1.038476	1.071814	1.071814	0.854973	1.175368	0.482691	0.526516	1.120827
2805	0.865214	1.069838	1.069838	0.945310	0.368427	0.583622	0.631863	1.230007
2806	1.066475	1.030971	1.030971	1.088316	0.534699	0.733361	3.107345	1.154767
2807	0.931952	1.010116	1.010116	0.836724	0.243409	0.622443	1.774697	1.051450
2808	0.985407	0.951197	0.951197	0.841851	1.754944	0.830094	1.119592	1.374743
2809	0.867853	0.963942	0.963942	1.023870	0.355421	0.747473	0.655741	1.326119
2810	0.924403	1.351874	1.351874	0.832746	0.563483	0.864428	1.359923	1.107694
2811	0.982448	1.131169	1.131169	0.883929	0.149614	0.360139	1.370902	1.297258
2812	1.099254	0.749313	0.749313	1.141950	0.217438	1.091420	0.635457	1.579238
2813	0.825379	0.793419	0.793419	1.010699	1.072424	0.361621	3.733349	0.946011
2814	0.932298	0.935814	0.935814	0.833082	0.257255	2.632855	1.704531	1.329201
2815	0.894151	1.271015	1.271015	0.910049	1.725524	0.423768	1.719888	1.267765
2816	0.915969	1.166038	1.166038	0.710541	0.587425	0.457941	0.779526	0.828856
2817	0.956956	0.897534	0.897534	0.852565	3.233695	0.446000	1.205232	1.377983
2818	0.912183	1.217233	1.217233	1.083249	0.262567	0.947561	0.589112	1.299037
2819	0.947404	1.002097	1.002097	0.865138	0.915473	0.201939	1.399010	1.127683
2820	0.893874	0.913817	0.913817	0.991804	0.233252	0.593340	1.729005	1.320133
2821	1.134087	0.745328	0.745328	0.948929	0.382125	0.305696	0.627681	1.019623
2822	0.814091	0.940702	0.940702	1.037775	0.473756	1.760429	1.568045	0.953685
2823	1.075081	0.933595	0.933595	1.132375	2.784168	1.664194	0.573092	0.875138
2824	0.956235	1.393902	1.393902	0.638855	1.429796	0.107822	0.572491	1.032192
2825	0.918709	1.138818	1.138818	0.924923	0.209072	0.662844	1.013533	1.733977
2826	0.937315	1.015148	1.015148	0.295235	1.144000	0.554641	0.738757	0.874843
2827	0.947308	1.256073	1.256073	1.066071	0.765594	0.490036	0.608008	1.086882
2828	0.921664	1.258028	1.258028	0.771108	1.693256	0.404240	2.122133	1.281062
2829	1.019815	1.252380	1.252380	0.768312	2.162399	2.049509	0.508768	1.291985
2830	1.115686	1.173549	1.173549	1.105433	0.662483	0.140427	0.774903	0.822445
2831	0.993991	0.957817	0.957817	0.812850	1.324997	3.400487	0.740922	0.997111
2832	1.092330	1.025078	1.025078	0.664561	0.885711	2.075531	1.480715	1.215385
2833	0.916933	0.916129	0.916129	0.765564	0.732445	0.475000	1.022715	1.257667
2834	0.944220	0.525146	0.525146	1.131906	0.313173	0.350813	1.119587	1.176571
2835	0.973838	1.001091	1.001091	0.818297	1.453915	2.376772	1.847256	1.178795
2836	0.982311	1.112683	1.112683	0.584830	0.450023	5.101200	0.828972	0.944428
2837	1.169113	0.735878	0.735878	0.543022	2.961191	0.629748	0.728882	1.121385
2838	1.150601	1.078731	1.078731	0.714799	0.799419	1.659696	1.130321	0.855850
2839	1.094081	0.672363	0.672363	0.888746	2.023317	0.385923	0.549401	1.036251
2840	0.921096	0.898018	0.898018	0.931518	0.729428	0.554598	0.717757	1.475689
2841	1.152573	0.802601	0.802601	1.037921	0.907804	1.028658	1.962769	0.951744
2842	0.915764	0.894255	0.894255	0.925082	1.297799	1.183301	0.524573	1.031856
2843	1.132687	0.928675	0.928675	0.578162	0.340607	0.212304	1.053456	0.945968
2844	1.012670	1.118340	1.118340	0.664652	0.553246	3.335186	0.876970	1.253924
2845	1.168875	1.086959	1.086959	1.025152	0.607796	3.382110	1.000758	1.667171
2846	0.859496	0.916246	0.916246	0.803017	1.127153	2.003389	1.066448	1.171747
2847	1.042804	0.704619	0.704619	1.022846	0.627987	1.058307	0.659329	1.297229

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2848	1.103715	1.193912	1.193912	1.023196	0.836779	0.334416	0.620400	1.533432
2849	1.077746	0.547628	0.547628	1.079548	1.206293	0.458425	1.663712	0.783548
2850	1.018079	1.049014	1.049014	0.648455	1.297008	0.155926	0.899802	1.123212
2851	0.978776	1.250355	1.250355	0.742443	1.076586	0.195272	1.498298	1.285058
2852	0.955168	1.448866	1.448866	1.072326	0.419241	0.527210	0.841027	1.437579
2853	0.990800	1.068552	1.068552	0.781210	0.239729	1.228314	1.407977	1.266218
2854	1.186841	0.881616	0.881616	0.988804	1.699269	1.240550	1.282221	1.285991
2855	1.038223	1.321831	1.321831	0.622701	0.168002	0.757488	0.558032	1.363899
2856	1.095545	0.836074	0.836074	0.809779	1.339550	0.416636	0.972048	1.006579
2857	1.039753	1.420934	1.420934	0.997483	0.199551	0.808751	1.493145	0.912814
2858	1.021939	1.156527	1.156527	0.944457	0.360074	0.385904	1.471888	1.195849
2859	0.941886	0.629775	0.629775	1.024198	0.282522	0.141828	0.599650	0.929807
2860	1.100010	1.129539	1.129539	1.047810	0.653730	1.733623	2.560675	0.924349
2861	1.016413	1.146137	1.146137	0.751065	0.707318	0.719226	3.008518	1.315348
2862	0.924336	1.343880	1.343880	0.774402	0.387543	0.797073	0.809938	1.236544
2863	1.077833	0.876401	0.876401	0.711635	0.142208	0.944956	2.185288	1.145583
2864	1.089461	0.847451	0.847451	1.000473	1.286636	1.201167	2.369586	1.351497
2865	1.075444	0.665021	0.665021	0.907448	1.874876	0.729136	0.716129	1.121572
2866	1.039260	0.816571	0.816571	1.079914	0.330426	0.868814	4.830079	1.399992
2867	0.891089	1.159960	1.159960	1.060211	0.644128	0.839950	4.047314	1.328641
2868	1.040919	0.674315	0.674315	0.576793	0.435050	0.148772	0.705937	1.034471
2869	1.048219	0.988632	0.988632	1.130560	0.754880	0.733975	1.409283	0.881900
2870	1.142229	1.103634	1.103634	0.862715	0.610377	0.453877	0.754343	1.290082
2871	0.982391	1.098780	1.098780	0.981229	1.612765	0.436288	1.757079	0.976677
2872	0.975688	1.176435	1.176435	0.778231	1.887165	0.812338	2.048896	1.112211
2873	0.936718	1.196039	1.196039	0.484895	1.094870	3.012064	1.359073	1.416887
2874	0.910273	0.860735	0.860735	0.387281	0.907934	0.319164	2.155427	1.077668
2875	0.987841	1.164875	1.164875	1.080864	0.561929	1.562191	0.541217	1.227749
2876	0.976532	0.973211	0.973211	0.541450	1.240647	1.899458	1.473776	1.045042
2877	1.003764	1.046935	1.046935	0.858905	0.255024	0.148749	0.527358	1.638871
2878	1.054384	0.693287	0.693287	0.877488	0.292764	1.019842	1.155318	1.439662
2879	1.034748	1.177325	1.177325	0.930172	0.810411	0.240309	0.677381	1.008145
2880	1.039871	0.630674	0.630674	0.989340	0.663744	0.911600	1.956938	1.094107
2881	0.919046	0.763205	0.763205	0.368262	0.262809	2.885650	3.658198	1.035864
2882	1.100936	1.064267	1.064267	0.913255	0.106478	0.440979	3.347297	1.226558
2883	0.932290	1.221702	1.221702	1.101867	0.438438	0.511757	4.596415	1.245685
2884	0.908199	0.890949	0.890949	0.956076	0.547924	1.665708	0.572641	1.530992
2885	1.041060	1.248833	1.248833	0.861335	1.040722	0.495439	0.877549	1.411283
2886	0.934954	1.394534	1.394534	0.612437	0.335514	0.557695	1.562209	1.206076
2887	0.829154	1.429977	1.429977	1.064480	0.385106	1.256439	0.524560	0.826885
2888	1.099859	0.869969	0.869969	0.837498	0.257028	1.012698	0.630977	1.286590
2889	0.953016	1.124877	1.124877	0.479789	0.259958	0.258915	3.036408	1.269504
2890	1.010556	1.149201	1.149201	1.088245	1.058188	0.942090	2.416024	1.174207
2891	0.812168	1.153827	1.153827	0.994929	0.647143	0.573251	1.702684	1.151756
2892	1.012578	1.187388	1.187388	1.036124	0.345189	0.147212	2.553808	1.473390
2893	0.855600	1.254247	1.254247	0.831388	0.509578	0.285754	0.700226	0.949792
2894	0.858181	1.068748	1.068748	1.022638	0.401754	1.138093	1.115491	1.517443
2895	0.899132	1.151316	1.151316	1.048080	1.344937	1.978444	1.017183	1.052952
2896	1.253836	1.043620	1.043620	0.938963	0.847855	3.328892	4.869306	1.293438
2897	1.067200	0.793110	0.793110	0.957065	0.227033	0.239117	0.772702	0.921623
2898	1.013659	1.096611	1.096611	1.149946	1.015868	2.992661	1.001577	0.982456
2899	1.102474	0.654695	0.654695	0.680349	0.165069	1.805771	4.407991	0.981678
2900	1.167287	0.775174	0.775174	1.145753	0.694766	0.297589	0.876040	1.294183
2901	1.111896	0.957844	0.957844	0.794594	0.779604	0.502108	1.761961	1.273116
2902	1.124680	0.512845	0.512845	0.574734	1.501685	2.273079	1.696265	1.528192
2903	1.131030	1.213662	1.213662	1.096134	1.145605	0.613830	0.627680	0.860186
2904	0.906441	1.198029	1.198029	0.692823	1.231666	1.186776	2.766908	1.324892

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2905	0.833478	1.316708	1.316708	0.846846	0.432968	1.541099	1.232732	0.997325
2906	0.909318	0.962949	0.962949	0.953599	1.902388	0.316665	0.921217	1.220433
2907	1.076254	1.178751	1.178751	0.734640	0.709353	0.329321	0.915439	1.211388
2908	1.084002	1.120394	1.120394	0.916978	0.570907	0.397532	1.621320	1.040549
2909	1.101996	1.058633	1.058633	0.776260	0.108087	0.432236	0.550456	1.059924
2910	1.134607	0.897271	0.897271	0.875208	0.586132	0.245103	1.362386	1.489133
2911	1.008645	0.725629	0.725629	0.909722	2.544721	0.957380	0.651565	0.978290
2912	0.969906	0.346392	0.346392	0.743782	0.575215	0.183278	1.093274	0.774499
2913	1.071362	1.009607	1.009607	0.780786	2.271007	1.250341	4.672751	0.783789
2914	1.103353	0.970712	0.970712	0.881368	0.738538	2.236226	0.614632	1.328943
2915	1.052303	0.926357	0.926357	1.110790	0.230733	0.137510	0.559225	1.368471
2916	0.949102	0.860830	0.860830	0.798548	0.525739	0.228473	1.378599	1.240323
2917	0.932200	0.964654	0.964654	0.999525	0.224754	1.476343	0.581794	1.402961
2918	0.999695	1.022039	1.022039	0.917722	0.802325	1.114974	0.676835	1.079021
2919	0.855959	0.692353	0.692353	0.289216	0.668388	1.314622	0.786183	1.271174
2920	0.717071	0.754339	0.754339	1.081807	1.140974	0.324754	0.991754	1.096882
2921	0.814563	1.252850	1.252850	0.886465	1.421348	0.996651	0.672789	1.204427
2922	1.080797	0.653872	0.653872	0.964076	1.098723	0.595412	3.787936	1.558350
2923	0.937232	0.929107	0.929107	0.896459	0.317741	0.687839	1.118931	1.181756
2924	1.055524	0.918456	0.918456	1.022027	0.814796	0.222569	4.866336	1.621575
2925	0.979383	0.834173	0.834173	0.747226	0.913390	0.229923	3.202184	1.138238
2926	1.035834	1.048364	1.048364	0.808255	0.291015	0.117140	1.433125	1.361861
2927	1.168631	1.008824	1.008824	0.887761	0.536705	0.428404	3.412722	1.559752
2928	0.965078	0.883682	0.883682	0.231048	0.309346	0.760908	3.615733	1.156151
2929	0.942264	0.818546	0.818546	0.883803	0.688344	1.989191	1.526984	1.063964
2930	0.955879	0.559159	0.559159	0.552637	0.879420	0.603605	2.661351	1.443680
2931	0.950041	1.172720	1.172720	1.116979	0.593430	0.676866	1.393140	1.372593
2932	0.978628	0.978583	0.978583	0.660702	0.385457	0.965987	1.385493	1.192121
2933	0.925920	1.093335	1.093335	0.671450	1.786819	0.362452	1.110956	1.223099
2934	1.064063	1.081741	1.081741	0.779651	0.908668	0.672090	3.921416	1.271029
2935	1.021967	1.093272	1.093272	0.866599	0.722343	0.672078	0.828113	1.359533
2936	1.148402	1.011875	1.011875	1.075856	1.187201	1.166402	0.801471	1.563748
2937	0.999298	1.265461	1.265461	0.945286	1.088583	1.239090	1.150089	0.931435
2938	0.935125	0.893811	0.893811	1.068422	0.456000	0.383661	3.666318	1.294455
2939	0.861946	0.796323	0.796323	0.979658	0.484175	0.531603	0.588768	1.072942
2940	1.056444	0.783924	0.783924	0.960983	0.457129	2.840003	1.287763	1.604442
2941	0.999542	1.259833	1.259833	0.861612	0.212184	0.269984	1.122802	0.930328
2942	0.952328	1.331318	1.331318	0.935019	2.332541	0.349799	0.625513	0.986194
2943	0.826497	1.273037	1.273037	0.652823	0.473269	2.969734	4.703948	0.913135
2944	0.909136	0.846787	0.846787	1.024319	0.999242	0.314867	2.092633	0.951661
2945	1.098252	0.865188	0.865188	0.777391	2.716536	0.353840	0.508467	1.309376
2946	0.836546	1.144877	1.144877	1.128346	0.942277	0.589261	0.898127	0.794628
2947	1.093623	1.337975	1.337975	0.603750	0.474891	1.423257	1.474833	1.244900
2948	1.069447	0.738834	0.738834	0.778665	0.436859	0.675956	0.612084	1.300194
2949	0.998555	1.017195	1.017195	0.681665	0.971724	0.174896	0.875910	0.817952
2950	0.762133	1.046095	1.046095	0.993757	0.929333	4.146020	1.457401	0.915358
2951	1.041592	0.743052	0.743052	0.369837	0.132455	0.357433	1.061981	0.920275
2952	0.889315	1.369446	1.369446	1.131257	0.223761	0.951621	1.759512	0.837588
2953	0.995068	1.307392	1.307392	0.793032	0.790604	0.323878	0.667091	0.935456
2954	0.972095	1.024710	1.024710	0.861580	1.434114	0.642762	1.730490	1.359772
2955	1.068037	1.008233	1.008233	1.147888	0.176541	1.746822	5.084347	1.096656
2956	0.974600	1.351956	1.351956	0.838771	0.643857	0.995485	1.712536	1.295245
2957	0.955548	1.010030	1.010030	0.532701	1.254551	0.528631	3.026466	1.203918
2958	0.874004	1.341969	1.341969	0.874605	0.475171	0.773982	4.029565	1.122562
2959	0.928633	0.914353	0.914353	1.031235	0.651482	0.312999	0.869992	1.026504
2960	1.010381	0.880681	0.880681	1.104908	1.282737	0.979485	0.806055	1.142293
2961	0.900838	1.113136	1.113136	0.277337	0.277230	0.787486	1.708332	1.469210

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
2962	0.926952	1.026325	1.026325	0.208012	0.190841	1.198988	0.503989	0.853349
2963	0.870148	0.995957	0.995957	0.554669	0.730511	1.295184	1.806848	0.829274
2964	1.110925	1.353847	1.353847	0.939112	1.158760	1.962993	1.012151	1.147530
2965	0.803447	0.509236	0.509236	0.698063	0.598421	0.254834	0.752712	1.414553
2966	1.028367	0.794893	0.794893	0.751258	2.209388	3.237989	0.558961	1.432217
2967	0.834198	0.971839	0.971839	1.082841	1.878993	1.856396	1.918112	0.880922
2968	1.013105	1.156787	1.156787	0.989369	1.163921	1.153686	0.781141	1.496449
2969	0.859325	0.853021	0.853021	0.969464	0.524869	0.761926	0.724563	1.315965
2970	1.104400	1.051344	1.051344	0.841789	1.360908	0.317359	0.916373	1.025538
2971	1.171936	0.732100	0.732100	0.586680	0.202988	1.058371	0.568903	0.897148
2972	0.977869	0.764557	0.764557	0.827471	1.331377	2.902177	2.314383	1.359951
2973	0.976236	1.326949	1.326949	0.749852	0.363196	2.098633	5.530443	1.312508
2974	1.055447	0.756894	0.756894	0.718452	0.472589	0.740268	2.211482	1.049280
2975	1.019347	0.888866	0.888866	0.709534	0.500666	3.719281	0.837013	1.574097
2976	1.328952	1.153743	1.153743	0.704080	0.355147	3.849484	4.160283	1.188059
2977	1.034075	1.182977	1.182977	0.853506	2.137047	0.261577	1.784477	1.309269
2978	1.105622	1.208410	1.208410	1.043313	0.624821	0.177810	1.788307	0.845346
2979	0.898715	1.024156	1.024156	0.650791	0.996395	0.921416	1.983591	1.049904
2980	0.986425	1.075026	1.075026	0.612624	2.993347	0.447495	1.917059	1.247996
2981	1.068037	0.790348	0.790348	1.127372	0.321608	0.938440	0.804415	1.346414
2982	0.949091	0.980599	0.980599	0.570533	0.722856	1.207617	1.384961	1.226730
2983	0.851722	1.198724	1.198724	0.900182	2.905983	0.286270	1.633651	1.217718
2984	1.104964	1.162967	1.162967	1.040331	0.397540	0.600226	2.777851	1.151707
2985	0.982872	0.676539	0.676539	1.117522	0.403436	2.558000	0.991785	0.959437
2986	0.991166	1.010099	1.010099	0.913184	1.927043	0.178373	2.452992	0.894089
2987	0.933318	1.143406	1.143406	0.943271	0.691243	0.164527	2.887367	1.346296
2988	0.856001	0.926880	0.926880	0.681058	0.604650	0.844373	2.689547	1.302081
2989	1.102762	0.819810	0.819810	0.953050	0.794302	0.303535	1.023954	0.824718
2990	1.046084	1.358756	1.358756	0.434126	0.194281	0.681081	0.794732	1.066892
2991	0.899295	0.652947	0.652947	0.708056	0.604067	0.409796	0.948043	1.092887
2992	1.023861	1.147499	1.147499	0.835027	1.236203	0.653897	2.601461	1.070363
2993	0.991472	1.017799	1.017799	1.102157	2.113997	0.386880	0.970800	0.993781
2994	0.933115	0.923379	0.923379	0.609315	1.097385	0.866991	1.215510	0.840665
2995	0.969675	0.611167	0.611167	1.132770	0.814815	0.389622	1.523094	0.965892
2996	0.940836	1.035930	1.035930	0.341178	0.247231	0.362812	0.772291	1.252109
2997	0.916084	0.880757	0.880757	1.067702	0.974732	0.670135	0.837463	0.952133
2998	0.942216	0.800218	0.800218	0.743515	1.170666	0.577456	1.015576	1.016796
2999	1.068380	0.474486	0.474486	0.898455	0.909722	0.293266	1.622135	1.349517
3000	1.076360	1.070330	1.070330	0.843017	1.237664	0.620866	1.364636	1.187337
3001	1.062208	0.856188	0.856188	0.569288	0.589973	0.523924	1.786782	1.459442
3002	0.808315	1.069727	1.069727	0.959413	2.303985	1.511774	0.669452	1.034974
3003	1.081494	1.188734	1.188734	1.074580	0.226709	0.223912	5.570083	1.131252
3004	1.078898	1.420802	1.420802	0.673101	1.742518	0.349788	0.914196	1.339748
3005	1.061732	1.183927	1.183927	1.108452	0.626935	0.199543	1.009228	1.166981
3006	1.031098	0.765579	0.765579	0.811032	2.058157	0.394599	0.783249	1.488548
3007	0.987218	1.131313	1.131313	0.675481	0.307035	1.080673	0.941592	1.272927
3008	0.995356	0.805043	0.805043	1.005479	0.233060	0.652515	1.087617	1.488089
3009	0.912428	0.919526	0.919526	0.693533	0.810314	0.798119	0.722349	0.980670
3010	1.062682	1.184352	1.184352	0.753386	0.481458	0.940022	1.610460	0.812824
3011	0.968432	1.072170	1.072170	1.075457	1.582175	0.620960	1.928600	1.216779
3012	1.033549	0.715120	0.715120	0.943443	0.966670	0.330493	1.090193	0.911822
3013	1.094464	1.398096	1.398096	0.995628	0.759869	0.623671	1.292819	1.350009
3014	1.103806	1.120077	1.120077	0.903124	0.396468	0.188445	4.418310	1.041621
3015	1.028381	0.896963	0.896963	0.522246	0.943602	1.665392	0.696297	1.543103
3016	0.928818	0.850800	0.850800	0.938648	1.061556	0.112652	1.130726	1.218309
3017	0.994030	0.604542	0.604542	0.881643	0.321194	0.169032	0.515734	0.933266
3018	0.992755	0.602938	0.602938	0.869624	1.878497	0.736048	5.356150	1.521398

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3019	1.021856	0.980192	0.980192	0.337954	0.568528	0.866033	0.586930	1.331118
3020	1.114659	1.358529	1.358529	0.769810	2.473970	3.022517	0.827164	0.875512
3021	0.960792	1.385478	1.385478	0.988463	0.410336	0.969204	1.948829	1.138251
3022	0.852431	0.732643	0.732643	1.134591	0.534518	0.429885	0.586240	1.019512
3023	1.078136	1.340301	1.340301	0.872850	0.149888	0.717304	0.629529	1.311672
3024	0.966488	1.060617	1.060617	0.873882	0.397156	2.506328	1.093853	1.081498
3025	0.947770	0.690562	0.690562	0.679300	1.314769	1.838782	0.987687	1.362650
3026	1.065423	0.871087	0.871087	0.772826	0.578978	0.207067	1.292687	0.952573
3027	0.980612	1.141246	1.141246	1.146021	0.114792	0.300827	1.018261	1.230664
3028	1.112438	1.076414	1.076414	0.779640	0.170660	0.688471	0.637495	0.982795
3029	0.784970	1.086637	1.086637	1.050585	1.939491	0.758397	0.526492	1.145367
3030	0.990488	0.885276	0.885276	0.397830	0.605524	1.712338	0.635613	1.213595
3031	0.980702	1.139809	1.139809	0.702089	1.711228	0.901407	2.385855	1.333216
3032	0.980934	1.442886	1.442886	0.904507	1.589209	0.613410	1.610024	1.297670
3033	0.910876	0.472320	0.472320	0.907468	0.292900	0.170201	0.933976	1.147463
3034	0.967630	0.723683	0.723683	0.577098	0.489792	0.568861	2.496380	1.529229
3035	0.850603	1.021619	1.021619	0.800660	2.491859	0.960922	0.511349	1.535085
3036	0.843250	1.050495	1.050495	0.412109	0.351265	1.498601	0.824464	1.204714
3037	0.852519	0.868877	0.868877	0.578936	0.577052	1.218540	1.255067	1.192428
3038	0.818022	1.031909	1.031909	0.903589	0.359139	0.092948	1.465043	0.860816
3039	0.910545	1.157755	1.157755	0.455071	1.786022	0.133470	2.751443	0.827956
3040	1.014129	0.937782	0.937782	0.620067	1.078957	0.280281	0.829520	1.188252
3041	1.038215	1.319857	1.319857	1.091939	1.357205	0.192627	0.845622	1.458727
3042	0.871501	0.796853	0.796853	0.842393	0.104253	0.363139	0.931099	1.640876
3043	0.946644	1.167756	1.167756	0.789216	0.578830	0.355990	0.681954	1.463176
3044	0.858969	0.936307	0.936307	1.094134	0.726541	2.062365	1.112364	0.796083
3045	0.955078	0.734848	0.734848	1.128844	1.714523	0.418028	1.179300	1.431431
3046	0.839371	0.771146	0.771146	0.946253	2.985397	0.466002	1.248745	1.270434
3047	0.857517	1.050801	1.050801	0.985839	0.666330	2.895009	2.089044	1.438700
3048	0.926988	1.083242	1.083242	0.588270	1.188968	0.451374	0.635121	1.333523
3049	0.939332	0.611484	0.611484	1.134291	0.608185	0.730746	4.155070	1.277103
3050	1.125332	1.108271	1.108271	1.022527	1.304174	0.726257	1.249545	0.941506
3051	1.167142	0.994324	0.994324	0.722510	0.121622	0.494890	0.577065	1.121424
3052	1.150467	1.210938	1.210938	0.608596	1.498670	1.150727	1.010086	1.151307
3053	0.922632	1.282576	1.282576	0.657145	0.612912	0.494993	0.719826	1.398114
3054	0.979085	1.216142	1.216142	0.775169	1.544794	0.474327	0.849525	1.203060
3055	1.035638	1.131922	1.131922	0.992350	0.205287	0.235683	1.420400	1.155127
3056	1.033336	1.081892	1.081892	0.824842	0.578518	3.179044	3.665017	1.091497
3057	0.844012	1.293349	1.293349	0.836343	0.559198	0.385751	1.920723	1.341357
3058	1.022579	1.030252	1.030252	0.804986	0.868060	1.230848	1.439627	0.979942
3059	0.926015	1.127415	1.127415	0.447372	0.426879	3.352879	1.503276	1.448794
3060	1.043858	1.169037	1.169037	1.023164	0.537614	0.628215	1.024493	0.806093
3061	0.982320	1.091861	1.091861	0.967173	0.902622	0.330004	0.853502	0.968827
3062	0.737446	0.740142	0.740142	1.095881	0.435184	2.020848	0.854264	1.398148
3063	0.975495	1.040968	1.040968	1.117048	0.868368	1.292215	0.505910	1.523119
3064	1.113814	1.227506	1.227506	0.267446	0.624881	0.607391	1.023685	1.241027
3065	1.027774	0.758520	0.758520	0.980562	0.469692	3.513773	1.686480	0.957718
3066	1.057723	0.767183	0.767183	0.645781	0.775850	0.468369	1.959917	1.480796
3067	0.906587	1.444819	1.444819	0.495684	0.767676	0.813710	0.777708	0.937342
3068	0.819260	1.126216	1.126216	1.131971	1.163492	0.872507	0.823860	1.591957
3069	1.091527	0.648865	0.648865	1.093368	0.350836	0.381650	1.406723	1.400425
3070	0.937166	1.169669	1.169669	0.755315	1.943178	0.119682	2.720805	0.921163
3071	1.036039	1.113861	1.113861	0.823971	0.676709	0.399359	0.542005	1.255306
3072	1.022615	0.835059	0.835059	0.900037	0.861428	0.300227	0.885157	1.416858
3073	1.015375	1.159215	1.159215	1.067723	0.809672	0.554089	0.515149	1.439082
3074	0.821588	0.933944	0.933944	0.876904	0.673986	0.221672	0.637636	1.585862
3075	1.013509	1.409521	1.409521	1.072459	0.299180	0.596812	0.772861	1.428072

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3076	0.982185	0.806061	0.806061	0.950897	0.750259	2.725277	1.112260	0.996384
3077	1.017527	0.862820	0.862820	1.138887	0.443159	0.963636	2.184821	1.093391
3078	1.132154	1.413599	1.413599	0.974221	0.430171	0.517798	0.672415	1.089801
3079	1.060342	1.133604	1.133604	1.075518	1.195943	1.905108	1.450999	0.975562
3080	0.902934	1.010705	1.010705	1.002751	0.842205	0.683240	4.594789	0.880119
3081	0.946096	1.198011	1.198011	0.815250	0.742005	1.171006	0.507274	1.017064
3082	1.069068	0.847142	0.847142	0.686994	0.341850	2.515575	1.135081	0.836151
3083	0.899930	0.890442	0.890442	0.976577	1.346962	0.503210	0.648007	1.272263
3084	1.026118	0.812621	0.812621	0.758862	0.489613	0.893143	3.378612	1.275959
3085	0.982464	0.919313	0.919313	1.147390	0.271226	1.788141	1.831054	1.148459
3086	0.815386	1.120379	1.120379	0.783253	1.767829	0.217801	1.031838	1.156768
3087	0.870993	1.049203	1.049203	1.096068	0.716467	0.100791	0.910219	1.368483
3088	1.222695	0.726810	0.726810	0.611738	0.978476	0.505704	0.840589	1.131977
3089	1.017337	0.969816	0.969816	0.464145	0.714303	0.317931	0.663089	0.984536
3090	1.089677	1.232338	1.232338	1.104709	0.507558	0.294768	2.049932	1.243909
3091	0.935664	0.923439	0.923439	0.815936	1.351837	0.258278	1.118753	1.178972
3092	1.088974	0.824769	0.824769	0.992834	2.625288	0.989259	1.747281	1.148194
3093	1.146937	1.142417	1.142417	0.978499	0.209633	0.080397	0.616075	1.005845
3094	1.017562	0.798503	0.798503	0.975751	0.496235	0.161733	0.506173	1.069147
3095	1.174307	1.291587	1.291587	0.801977	0.230723	0.879451	0.893487	0.902906
3096	0.980567	1.238575	1.238575	0.717340	0.311055	0.419847	3.091100	1.215638
3097	1.158982	1.103154	1.103154	0.650803	0.249389	0.765487	0.544365	1.465401
3098	0.957473	1.027229	1.027229	1.005717	1.939054	0.329044	1.301294	1.247868
3099	1.119574	0.642753	0.642753	1.005068	0.623184	0.537945	2.947219	1.316582
3100	1.082913	1.088541	1.088541	1.082055	1.033737	0.301094	1.347361	0.859849
3101	0.869604	0.843825	0.843825	0.754227	0.210966	0.451574	2.003977	1.196730
3102	0.971401	0.861224	0.861224	0.189995	0.372846	0.471345	2.639574	0.929761
3103	0.990381	1.247134	1.247134	1.110778	1.589311	1.982111	2.369678	1.345300
3104	1.060534	0.468209	0.468209	0.799098	0.845301	0.401200	2.275476	1.210892
3105	1.057464	0.564304	0.564304	1.003916	0.733865	0.187457	0.748348	1.167678
3106	1.023794	0.971165	0.971165	0.769321	0.439602	0.629861	1.803038	0.983383
3107	0.752330	0.814532	0.814532	0.862269	0.218643	2.991500	2.688720	1.059810
3108	0.897223	0.854131	0.854131	0.976364	0.867040	0.292471	0.827598	1.436041
3109	0.877838	1.029077	1.029077	0.536627	1.897765	2.467940	0.613241	0.948817
3110	0.833640	1.410723	1.410723	0.485248	0.601436	0.270257	2.117220	1.150518
3111	0.813835	0.787414	0.787414	0.420419	0.725680	0.604992	0.665117	1.086230
3112	1.068699	1.139933	1.139933	1.040769	1.185297	0.715046	2.493737	1.297266
3113	1.099537	0.724086	0.724086	0.765440	0.345915	1.322782	1.234321	1.047446
3114	0.827531	0.938456	0.938456	0.794851	0.412951	0.538093	1.219992	1.275625
3115	0.941164	1.243772	1.243772	1.125811	0.880993	3.591985	0.679993	1.036671
3116	1.085427	1.081558	1.081558	0.961643	0.853247	0.360615	1.884883	1.199633
3117	0.999320	1.348932	1.348932	1.116075	0.531923	0.539405	0.729368	0.884062
3118	1.063598	1.165705	1.165705	0.728165	0.747227	2.226571	1.170818	1.337035
3119	0.791433	1.149368	1.149368	0.785872	0.552029	1.000102	1.684378	0.981657
3120	1.053520	0.933624	0.933624	0.739912	2.088442	4.873982	0.584461	0.952921
3121	1.002534	1.185634	1.185634	0.684584	1.370150	0.849744	0.855942	1.428196
3122	1.224076	0.643222	0.643222	0.973814	0.691461	0.416823	0.560570	1.548355
3123	1.083564	1.322773	1.322773	0.722842	1.512664	0.628030	1.061617	1.161521
3124	1.014287	0.901713	0.901713	0.935481	0.742098	2.076719	0.683748	1.167725
3125	0.881278	1.027803	1.027803	0.737473	0.381562	0.508237	0.684744	1.043347
3126	1.108893	0.889412	0.889412	1.132094	1.366981	0.451829	2.350932	0.980413
3127	1.094725	0.892373	0.892373	1.016506	0.914227	0.083305	1.918651	1.293047
3128	1.007735	1.289493	1.289493	0.599686	1.423905	1.261786	1.417726	1.207896
3129	1.088275	0.629691	0.629691	0.944628	0.182617	0.690377	2.889852	1.144543
3130	0.914085	0.450799	0.450799	1.001763	0.974042	0.268980	1.854759	1.064527
3131	1.078344	0.923512	0.923512	0.967673	0.437975	1.346377	0.672187	0.872547
3132	0.941793	1.166300	1.166300	1.093652	0.277448	0.256986	1.571641	0.928981

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3133	1.200153	1.126382	1.126382	1.127109	1.492990	0.801070	0.512288	1.054799
3134	1.022377	0.517167	0.517167	0.745992	0.428858	3.001988	1.617194	1.408181
3135	1.047151	0.854540	0.854540	0.548182	0.303240	4.001728	1.105102	0.871007
3136	1.067314	0.933067	0.933067	0.984760	0.377834	0.142205	1.680140	0.991872
3137	1.216224	1.329818	1.329818	1.097122	1.394779	1.328315	2.144916	1.105489
3138	1.154026	0.909531	0.909531	1.141913	1.689885	1.385183	1.532383	1.554079
3139	1.021131	0.949034	0.949034	0.959753	0.837610	1.286275	4.630330	1.480274
3140	0.944162	1.006106	1.006106	0.859817	1.158416	0.704662	0.598561	1.105517
3141	0.975079	0.746835	0.746835	0.728565	0.593078	0.425030	0.555082	0.892137
3142	0.947867	0.625719	0.625719	0.986244	0.206110	0.407937	0.529702	0.985901
3143	1.021093	0.839000	0.839000	1.002147	1.189705	0.452986	1.118795	1.048974
3144	1.262890	0.942918	0.942918	0.592846	0.766273	0.152705	3.197583	1.366831
3145	0.843733	1.273566	1.273566	0.892246	0.528059	0.917570	2.378733	1.371301
3146	0.947420	0.984833	0.984833	0.936922	0.217648	0.148761	0.599801	1.254443
3147	1.051427	0.765343	0.765343	0.760226	0.291702	1.647168	0.948675	0.980344
3148	0.934947	1.053096	1.053096	0.466590	2.256422	4.796169	0.960112	1.131274
3149	0.966233	1.129330	1.129330	0.620514	0.272769	1.615312	0.604673	1.319706
3150	1.103768	1.280548	1.280548	0.816035	2.186353	0.444153	0.998215	1.458886
3151	0.924126	1.003602	1.003602	0.908722	0.744589	1.479614	0.810805	1.190328
3152	1.173533	1.201261	1.201261	0.519687	1.092529	1.052101	1.881943	1.263988
3153	1.073722	1.121300	1.121300	0.996805	1.031876	0.431044	1.757748	1.449830
3154	0.958585	0.563333	0.563333	0.816451	0.641457	0.472401	2.055476	0.851481
3155	1.047523	1.108144	1.108144	0.777674	0.451995	0.808104	2.086750	0.949668
3156	1.053981	1.150680	1.150680	1.062814	0.854073	0.305337	4.786124	1.457351
3157	0.993026	0.855321	0.855321	0.901783	1.483601	0.665629	0.782378	1.512646
3158	0.974456	1.040039	1.040039	1.023135	0.488514	0.180734	2.560669	1.284566
3159	0.963208	0.705161	0.705161	0.879245	0.151496	0.258237	0.590672	1.234552
3160	0.840579	0.957685	0.957685	1.091721	0.743116	0.193919	0.627414	0.926004
3161	0.991534	0.658247	0.658247	1.143338	0.716410	5.709868	1.913532	1.071564
3162	1.015091	1.026276	1.026276	0.991934	1.179290	1.839101	0.709622	0.752891
3163	0.969702	0.932060	0.932060	1.050359	0.650805	0.496263	0.730523	0.951644
3164	1.016690	0.648174	0.648174	1.116082	0.416057	0.721086	0.543409	0.803233
3165	0.924081	1.188057	1.188057	0.979606	2.378391	1.077283	0.765736	1.032402
3166	0.932625	0.700160	0.700160	0.901243	0.650955	0.979978	1.198616	1.261369
3167	0.931870	1.008282	1.008282	1.066633	0.383355	0.798477	0.968193	1.054202
3168	0.933781	0.645435	0.645435	0.541324	0.431774	0.129927	2.139471	1.468551
3169	0.922357	0.679628	0.679628	1.000855	1.789241	0.555471	0.557957	1.003740
3170	0.946652	1.013405	1.013405	0.828039	0.297251	0.206426	2.853517	1.305612
3171	1.027384	0.640288	0.640288	0.461283	1.130611	0.314510	0.748250	1.218504
3172	1.133364	1.086714	1.086714	1.119482	1.440066	0.302880	1.789164	1.065981
3173	1.039084	0.734987	0.734987	0.731527	0.772461	1.799806	0.765964	1.354871
3174	1.149191	1.219398	1.219398	0.996977	0.341148	0.748427	0.655569	1.256663
3175	0.967868	1.387053	1.387053	0.969631	0.531664	0.262137	2.282448	1.226489
3176	0.928485	0.953085	0.953085	0.958160	0.395742	1.000477	1.823527	0.954570
3177	1.034289	0.652603	0.652603	0.932296	0.909673	0.387916	0.729994	1.515997
3178	1.103464	0.859350	0.859350	0.646098	0.376291	0.245439	1.646231	1.144668
3179	1.078879	0.917460	0.917460	0.889976	0.420453	1.410568	0.650805	1.285069
3180	0.863336	0.794386	0.794386	1.063452	0.815530	0.243487	0.611643	1.129998
3181	1.182233	1.364850	1.364850	0.883747	0.522325	7.048104	1.514481	1.050314
3182	0.808744	1.354628	1.354628	0.586725	0.619890	0.801499	1.906352	1.079480
3183	1.153008	1.033643	1.033643	0.850907	0.396557	0.874984	2.259288	1.381370
3184	0.980056	1.043773	1.043773	1.068122	1.218378	0.822833	0.915356	1.264973
3185	1.079290	1.336019	1.336019	0.862347	1.450486	0.706282	2.017012	1.299001
3186	0.939532	1.409534	1.409534	0.616011	0.176237	1.926757	4.359276	1.181372
3187	1.205805	0.919086	0.919086	0.996235	1.012136	0.174980	1.743073	1.150575
3188	0.990240	1.002675	1.002675	1.135147	1.326063	0.589346	0.795420	0.926624
3189	1.128907	0.712314	0.712314	0.903464	0.470342	1.011715	1.485745	0.916354

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3190	1.017475	1.159627	1.159627	0.877898	0.355382	6.092670	1.441564	0.779749
3191	0.953387	1.210513	1.210513	0.843689	0.920717	0.473297	2.372819	1.516335
3192	1.088665	1.039132	1.039132	0.577613	0.815764	0.279075	0.596821	0.947515
3193	0.887536	1.310688	1.310688	0.990691	2.052343	0.454650	2.087683	1.274824
3194	1.016110	0.943854	0.943854	1.046879	0.445074	0.831373	0.622219	1.545423
3195	1.004918	1.381364	1.381364	0.493115	2.897541	0.315814	0.584342	1.048509
3196	0.867406	0.567139	0.567139	0.868945	0.370513	0.289940	4.122457	1.255983
3197	1.089842	1.252171	1.252171	0.955690	1.833444	0.906042	0.799070	1.052321
3198	1.110711	1.085122	1.085122	0.924906	0.427620	0.782195	0.701180	0.986162
3199	1.097445	1.061822	1.061822	0.841010	0.777752	0.356971	0.901570	0.964321
3200	0.997461	0.674415	0.674415	0.834195	0.376892	1.303470	3.195656	1.291915
3201	0.981036	1.085720	1.085720	0.991427	0.562391	0.373098	0.628694	1.211290
3202	0.956204	0.879687	0.879687	0.411397	0.550213	0.378428	5.100056	1.186435
3203	1.165981	0.441494	0.441494	0.992229	0.447232	5.547496	2.893894	1.021773
3204	0.892980	1.432441	1.432441	0.922398	1.568049	0.140833	0.557519	1.372038
3205	0.831870	0.980843	0.980843	0.745909	0.642396	0.351079	0.526313	1.256883
3206	1.082615	1.012278	1.012278	1.028241	0.196509	0.467333	0.826169	1.091663
3207	1.193569	1.435224	1.435224	0.976871	1.752440	0.208836	0.508800	0.881713
3208	1.113633	0.743522	0.743522	0.735225	2.253246	0.539684	1.313368	0.988166
3209	0.917553	0.743557	0.743557	0.638257	0.215860	2.289713	0.763341	1.265563
3210	1.015068	1.040521	1.040521	0.899609	1.272873	0.165869	0.726337	1.044884
3211	1.030818	1.013800	1.013800	0.771471	2.053829	0.518223	1.674489	0.891193
3212	0.779264	0.732412	0.732412	0.330004	0.195942	0.921338	1.444734	1.014450
3213	0.905010	0.906356	0.906356	0.841833	0.551230	1.909151	1.000755	0.873904
3214	1.114491	0.869302	0.869302	0.849775	0.607493	0.996974	0.755220	1.264893
3215	0.871954	0.548183	0.548183	0.807486	0.357771	2.552428	0.819154	1.536778
3216	1.102888	0.901822	0.901822	1.112003	0.303203	0.697646	0.528336	1.226861
3217	1.134149	0.879632	0.879632	0.920564	0.607101	0.414589	1.232434	1.262389
3218	1.084937	0.654374	0.654374	1.127397	0.260546	0.292838	0.550030	1.098563
3219	0.954602	0.759522	0.759522	0.865465	0.262480	0.181974	0.717811	1.139596
3220	1.067905	1.244406	1.244406	0.842296	1.190230	0.766314	1.321519	1.144175
3221	1.011267	0.957452	0.957452	0.935511	0.976320	1.233407	0.890640	1.214445
3222	0.924264	1.194686	1.194686	1.088617	1.201739	0.425070	0.657897	0.838824
3223	0.903082	1.420985	1.420985	0.971315	0.222508	1.308370	0.636775	1.100384
3224	1.073265	0.834250	0.834250	0.600734	0.268556	1.265330	0.596903	0.916536
3225	1.034523	0.768052	0.768052	0.567991	0.165119	0.980856	0.855136	0.861505
3226	1.001688	0.752487	0.752487	0.950904	1.019461	0.442111	0.895512	0.934006
3227	0.760050	0.925486	0.925486	0.721217	0.400960	5.078741	0.674016	1.162491
3228	1.021644	0.896694	0.896694	0.347605	2.023809	1.489483	2.986844	1.018114
3229	0.991682	1.037628	1.037628	0.494550	0.947416	0.311250	4.136177	1.259309
3230	1.087194	0.870856	0.870856	1.139459	0.308101	1.243028	0.568112	0.969863
3231	1.053720	0.896443	0.896443	1.054257	0.397174	0.747519	0.743135	1.121061
3232	0.942513	0.977980	0.977980	0.894337	0.533278	0.714950	1.473982	1.117495
3233	0.972014	1.265424	1.265424	1.066616	2.690540	0.241525	2.329401	1.370249
3234	1.003331	0.770683	0.770683	0.444295	0.734390	0.578642	0.854942	1.247147
3235	1.134322	0.676159	0.676159	1.078580	2.269899	0.624671	2.778872	1.117862
3236	0.879903	1.249067	1.249067	1.069258	0.783586	0.292868	1.479812	0.883375
3237	0.928387	1.087583	1.087583	0.309567	0.177695	0.782215	0.690208	1.412529
3238	1.006498	1.114751	1.114751	1.057303	0.403662	1.125883	0.515546	0.928252
3239	0.931485	0.912505	0.912505	0.325110	0.803762	0.182536	1.546951	0.925994
3240	1.025166	0.783750	0.783750	0.898023	0.280068	0.230330	3.333005	1.275192
3241	1.036087	0.894198	0.894198	0.896036	1.366578	0.501045	0.605639	1.288630
3242	1.001531	0.781251	0.781251	0.715056	0.650660	8.247551	0.864477	1.132500
3243	1.161808	0.864061	0.864061	1.077870	1.201705	0.328347	0.720919	1.295039
3244	1.015081	1.042865	1.042865	0.551381	0.868256	0.472295	1.756667	1.078473
3245	1.087757	1.362599	1.362599	0.893510	1.183929	0.996631	1.433068	1.260193
3246	0.958472	0.812551	0.812551	0.783098	1.029772	0.850443	1.577242	1.036264

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3247	1.037147	1.277315	1.277315	0.845447	1.414487	0.332485	0.625830	1.447603
3248	1.039496	1.019031	1.019031	0.519058	0.571931	2.146258	0.550348	1.054897
3249	0.708902	0.830554	0.830554	1.130384	2.146921	1.277467	1.208921	1.075993
3250	0.942533	1.163345	1.163345	0.821908	0.477137	2.918270	4.483915	0.884988
3251	0.937302	0.721996	0.721996	1.002134	0.443793	0.637985	1.961812	1.331102
3252	0.980641	1.127424	1.127424	1.012883	2.868869	0.244908	0.608914	1.312047
3253	1.199839	0.815979	0.815979	0.613774	0.575405	1.653631	1.047792	0.899410
3254	1.061417	1.033355	1.033355	1.095388	1.287525	1.270878	0.855384	1.279210
3255	1.039846	1.096516	1.096516	0.748428	0.294729	0.409495	0.815891	1.236421
3256	0.954843	1.093942	1.093942	1.106091	0.465228	0.943246	0.600928	0.982064
3257	0.805360	1.377625	1.377625	0.949032	0.650953	0.468062	0.612569	0.891058
3258	0.859953	0.966219	0.966219	1.091157	0.351505	1.512189	2.292275	1.617596
3259	1.153672	0.899617	0.899617	0.976519	1.219107	3.042389	3.276354	1.112043
3260	1.048426	1.231404	1.231404	1.006118	0.391684	0.398920	0.815531	0.987418
3261	1.127091	0.825265	0.825265	1.044036	2.493371	0.328624	0.829947	1.193437
3262	0.995924	0.875086	0.875086	1.018422	0.157886	0.299652	2.543004	0.934790
3263	0.987506	0.902634	0.902634	0.934849	0.635797	1.215767	1.343872	1.424479
3264	0.776982	0.971664	0.971664	1.029783	0.826364	1.671668	1.040520	1.198810
3265	1.033696	1.043450	1.043450	0.997710	0.611111	0.603297	1.001733	1.491163
3266	1.099044	1.079802	1.079802	1.050102	2.148736	0.431754	0.869937	1.221069
3267	1.009833	1.020119	1.020119	1.057896	0.917755	0.098215	1.237618	1.381261
3268	0.959373	0.685185	0.685185	0.874366	0.422818	0.665541	5.317744	0.997014
3269	0.891828	1.261011	1.261011	0.828000	0.733828	0.240468	0.639420	0.991232
3270	0.857789	0.913530	0.913530	0.833158	2.523745	1.166829	0.501711	1.278546
3271	0.959455	1.106445	1.106445	0.948106	0.860698	0.084881	3.457520	1.293180
3272	0.998240	1.048471	1.048471	0.505718	0.750320	0.180595	0.698655	1.269198
3273	1.133739	1.221878	1.221878	0.644567	0.508234	7.769631	0.672616	0.908311
3274	1.087955	0.720534	0.720534	0.667033	0.338162	0.228648	0.924389	1.645198
3275	0.989565	1.243288	1.243288	0.893147	1.733933	0.818261	0.742529	0.846871
3276	0.862863	0.988879	0.988879	0.751863	0.624063	0.268388	1.169496	0.953512
3277	0.913008	1.284505	1.284505	0.888695	0.656378	0.277239	1.102962	1.230327
3278	0.858780	1.146296	1.146296	1.084123	0.284644	0.400795	0.787840	1.609782
3279	0.974564	0.836796	0.836796	0.988042	0.297655	2.669087	1.183570	1.089072
3280	0.887025	1.160507	1.160507	1.004657	0.726957	0.620690	3.685377	1.074721
3281	0.925739	1.050989	1.050989	0.633317	0.289566	0.658140	0.825243	1.386862
3282	0.888790	0.751833	0.751833	1.059032	0.437277	0.935896	0.560969	1.148059
3283	0.979740	0.991036	0.991036	0.957148	1.126131	1.269336	1.760438	1.427611
3284	1.161460	1.056106	1.056106	0.833209	0.604554	0.792493	0.651433	1.251341
3285	1.017656	1.100205	1.100205	0.642232	0.728534	0.295767	0.579583	1.191200
3286	0.976257	0.820907	0.820907	0.805077	0.549072	0.625699	0.595287	1.198669
3287	1.217476	1.172541	1.172541	0.688667	0.583716	0.596114	0.521751	1.126093
3288	0.989548	1.147059	1.147059	1.107231	0.692383	0.431478	1.556674	1.370348
3289	0.925014	0.762540	0.762540	1.057155	0.717693	0.689332	0.651197	1.130775
3290	0.881279	1.144405	1.144405	0.664088	0.415400	0.896367	1.891894	1.167679
3291	0.908659	0.800457	0.800457	0.969525	0.612390	2.239570	0.582277	1.037954
3292	1.002950	0.987808	0.987808	0.497740	2.084675	0.525944	0.631824	1.135281
3293	0.899352	1.164698	1.164698	1.041363	0.994790	0.515769	0.779558	1.311868
3294	0.844518	0.684296	0.684296	0.956460	0.316159	0.911365	0.801232	1.048475
3295	0.904369	1.125201	1.125201	0.708838	0.263241	0.764200	0.903379	1.424895
3296	1.103427	1.198263	1.198263	0.583541	0.163621	1.767013	1.761533	1.287501
3297	1.172703	0.520580	0.520580	0.814412	0.325508	2.945921	1.130777	1.139548
3298	1.029236	0.784137	0.784137	0.974470	1.065540	0.746350	1.516376	1.101527
3299	0.993696	0.507431	0.507431	1.144027	0.504126	1.267268	1.306789	0.998078
3300	1.030399	1.075564	1.075564	0.443748	0.430871	1.744007	0.539821	1.343493
3301	1.035672	1.186097	1.186097	1.126316	0.500742	0.779631	1.623524	1.470415
3302	0.968662	1.090601	1.090601	0.528743	2.267814	0.412918	0.639487	1.086458
3303	1.087472	1.197647	1.197647	0.950595	2.321218	0.761589	1.079804	1.646500

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3304	1.048850	0.744241	0.744241	0.754339	1.161697	0.772479	0.953741	1.364187
3305	0.977487	0.968000	0.968000	0.728445	1.600332	1.039701	0.537452	0.955523
3306	1.021539	0.946830	0.946830	1.148140	0.391922	2.004926	0.737465	0.955613
3307	1.266291	0.837678	0.837678	0.620645	0.494037	0.200882	0.658922	1.655718
3308	1.150418	0.879722	0.879722	0.971938	1.156551	0.394214	1.953667	0.876444
3309	1.054981	0.804364	0.804364	0.589320	1.592565	0.662278	0.510625	1.164294
3310	1.106709	0.886892	0.886892	0.902278	0.965829	0.983429	0.574613	1.201285
3311	1.038447	1.181125	1.181125	1.075173	1.406130	1.753181	0.640746	0.794034
3312	0.971259	0.999353	0.999353	1.025742	0.404473	3.388331	0.594967	0.926833
3313	0.983705	0.979850	0.979850	1.033779	1.301300	0.736822	0.625614	1.390957
3314	0.999417	1.246585	1.246585	0.462495	1.302512	0.231094	3.316577	0.867092
3315	1.009295	1.263412	1.263412	0.639292	1.864195	2.265768	1.214630	0.927527
3316	0.870392	1.244243	1.244243	0.823603	0.404473	0.228053	1.238677	1.303300
3317	1.014899	1.225427	1.225427	1.044055	0.577754	0.591614	0.590989	1.078960
3318	0.964354	1.044521	1.044521	0.572124	1.485043	1.283718	1.028519	0.936468
3319	1.173448	1.064609	1.064609	0.732163	0.432285	0.314061	0.829633	1.573177
3320	1.075795	1.035083	1.035083	0.841394	0.328344	1.797647	1.171312	0.908902
3321	1.056224	0.764069	0.764069	1.129654	2.042303	1.140380	1.026323	1.236355
3322	1.063042	0.635453	0.635453	1.143172	0.367131	0.588673	1.018616	0.834666
3323	0.801348	0.420746	0.420746	0.731039	1.494706	0.193648	0.924044	0.996667
3324	0.875913	0.897181	0.897181	0.829000	0.366823	0.290124	5.849415	1.533402
3325	1.019764	0.955077	0.955077	1.128374	0.269509	0.632248	1.202035	1.259570
3326	0.973450	0.526028	0.526028	0.804518	0.620247	0.501399	0.959920	0.976574
3327	0.828963	1.193037	1.193037	0.552829	1.245852	0.998703	2.670963	0.933231
3328	0.947028	0.706731	0.706731	0.521330	0.175659	0.115345	2.266189	0.816530
3329	1.096342	0.918692	0.918692	1.007639	0.762443	0.142074	5.940866	1.003333
3330	0.830515	0.861863	0.861863	0.855050	1.037833	0.207615	0.543303	1.255164
3331	0.673468	0.774412	0.774412	0.835585	1.984903	2.698574	3.072297	1.409774
3332	1.173047	0.894275	0.894275	0.929612	0.933469	1.698053	2.354702	1.236960
3333	0.986179	1.259174	1.259174	0.925247	0.633385	2.783913	1.151703	0.823730
3334	1.007153	0.741201	0.741201	1.105057	0.316405	1.101468	0.804903	0.974542
3335	1.129851	0.645762	0.645762	0.442156	0.356207	0.696763	0.526104	1.319711
3336	1.074073	0.890774	0.890774	0.697047	1.186994	1.479020	0.966392	1.391598
3337	1.034610	1.385993	1.385993	0.990746	0.994245	0.801323	0.505314	1.080040
3338	1.042724	0.999757	0.999757	0.872113	0.951819	0.252835	2.115908	1.040640
3339	1.263975	1.132683	1.132683	0.973020	0.258554	0.732403	1.334781	1.471783
3340	1.121788	0.953618	0.953618	0.917789	0.448196	1.802509	1.049343	1.305606
3341	0.805610	0.818472	0.818472	0.601411	0.734405	0.325747	5.049305	1.150961
3342	0.949879	0.983353	0.983353	0.904578	1.060543	0.642055	1.136757	1.051440
3343	0.978184	0.764773	0.764773	1.079439	0.733812	1.747318	1.324008	1.548212
3344	0.812067	1.156968	1.156968	0.752121	1.407553	2.496552	0.568400	1.437055
3345	1.002290	0.534303	0.534303	0.904167	0.411905	2.074111	3.016118	1.120863
3346	0.890360	0.503143	0.503143	0.929524	0.316521	0.268116	1.313855	1.372260
3347	1.063701	0.611090	0.611090	0.625478	0.590609	0.567255	0.578108	1.090519
3348	0.866694	0.602931	0.602931	0.764555	0.341561	0.916466	1.747368	1.046109
3349	0.937306	0.827897	0.827897	0.876771	1.292850	0.174869	2.797836	1.460979
3350	0.822015	1.163745	1.163745	0.357765	0.356187	0.888147	1.609464	0.991047
3351	0.849971	1.220119	1.220119	0.788582	1.431396	0.202997	0.690801	1.075545
3352	0.967758	0.985234	0.985234	1.145506	0.608475	0.832003	0.950927	1.119291
3353	0.948215	1.009878	1.009878	0.864312	0.375910	0.663502	4.482558	1.210640
3354	1.055307	1.116785	1.116785	1.055153	0.743816	2.641524	1.379737	1.269501
3355	1.199063	1.111575	1.111575	1.069150	2.257778	0.383936	2.639295	0.923806
3356	0.932272	1.385033	1.385033	0.577631	1.053389	0.366171	2.154451	1.298439
3357	1.002798	0.631049	0.631049	0.123154	0.616919	0.399770	1.620909	1.386915
3358	1.162321	0.811840	0.811840	1.085159	1.370525	2.571007	2.088710	0.888610
3359	0.816906	0.802390	0.802390	1.097666	1.554186	0.227166	1.926919	0.979786
3360	1.026091	1.163809	1.163809	0.923320	1.263622	1.258844	2.291001	1.010839

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3361	1.145779	0.936975	0.936975	0.621160	0.442134	0.916662	1.969295	1.279017
3362	1.066341	0.929178	0.929178	1.139811	0.680890	0.419156	1.301731	1.590871
3363	0.998026	0.863871	0.863871	0.579441	0.505205	0.362892	0.662799	1.414802
3364	0.907900	0.965972	0.965972	0.672458	0.521447	0.142320	0.946622	1.113237
3365	0.911896	0.930113	0.930113	0.982171	1.413977	0.303432	1.632834	1.621448
3366	1.113842	1.070033	1.070033	0.754800	0.931043	0.493607	0.510618	0.894633
3367	0.871866	0.547234	0.547234	0.490512	0.698936	0.575920	0.893045	1.071092
3368	0.849119	1.044192	1.044192	0.832497	0.718593	4.537796	0.509359	0.922843
3369	1.008409	1.140375	1.140375	0.746928	0.468097	1.085673	1.047683	0.931762
3370	1.043757	0.849915	0.849915	0.872706	2.018837	0.448216	0.718052	1.264186
3371	1.018575	1.085016	1.085016	0.947294	0.554884	1.181640	1.627122	0.945006
3372	1.031775	1.045295	1.045295	1.123987	2.201411	0.374745	1.086643	1.336700
3373	1.079859	1.055064	1.055064	0.955087	0.887666	2.022799	0.657256	1.056931
3374	0.942456	1.020550	1.020550	1.021144	0.635067	0.340092	0.898452	1.409089
3375	1.058447	1.157320	1.157320	1.034191	2.522997	1.006854	0.697143	1.517228
3376	0.955812	0.940882	0.940882	1.129167	0.564291	0.995852	1.061448	0.868513
3377	0.945902	1.136775	1.136775	1.016037	0.388623	0.299175	1.975228	1.333547
3378	1.127022	1.272929	1.272929	1.075417	0.236806	0.621733	0.653373	1.131835
3379	1.134513	1.235580	1.235580	0.543021	0.265338	3.010040	0.672891	1.393725
3380	0.992447	0.867670	0.867670	1.055893	1.890368	0.477392	0.913655	1.275290
3381	1.218330	0.977735	0.977735	0.573114	1.386043	1.370292	2.443464	0.806469
3382	1.052777	1.095880	1.095880	0.771153	0.673615	0.306531	0.722989	0.985729
3383	1.025944	0.795568	0.795568	1.088307	1.029202	1.308225	2.247526	0.866078
3384	1.082846	0.884577	0.884577	0.783698	0.232424	4.749121	0.807606	1.535872
3385	1.002269	1.103372	1.103372	1.057122	0.428974	0.362396	0.878191	1.141956
3386	0.911143	0.726224	0.726224	0.874916	0.405623	0.129870	4.529578	1.016773
3387	0.952602	0.699213	0.699213	0.971868	0.899445	0.531229	0.618028	1.664140
3388	1.100368	0.763937	0.763937	0.638310	0.502773	0.272115	0.648449	1.313477
3389	0.980313	0.954306	0.954306	0.750363	1.619864	2.649805	0.560034	0.956640
3390	0.923623	0.896843	0.896843	1.111726	1.958574	1.267298	1.291613	1.351972
3391	0.695893	0.928964	0.928964	0.934175	2.245919	0.412898	1.047351	0.931918
3392	1.131893	1.220418	1.220418	0.707528	0.905299	1.102514	0.978472	1.177961
3393	0.986324	0.793769	0.793769	0.930645	0.240386	2.437537	0.637448	1.074582
3394	1.017282	0.997127	0.997127	0.569775	0.720075	1.711098	1.351942	1.081859
3395	1.191622	1.202015	1.202015	0.284692	0.220185	1.926116	0.929189	1.564960
3396	0.882642	1.296804	1.296804	0.811144	0.767243	0.762655	2.273303	1.515338
3397	1.034998	0.706674	0.706674	0.680768	0.246951	0.407659	2.492400	0.807443
3398	0.735297	1.131020	1.131020	1.041588	1.954677	0.157130	0.617513	1.530420
3399	0.950508	1.353735	1.353735	1.090783	0.790497	0.370032	3.759707	1.143399
3400	1.051539	0.825379	0.825379	1.094637	1.185791	0.708345	1.416354	1.401446
3401	0.940524	0.771423	0.771423	0.831047	0.320341	0.330277	1.664666	1.104371
3402	1.078945	0.878130	0.878130	0.994507	0.771860	4.518182	0.721096	0.821115
3403	0.961988	0.991554	0.991554	1.057020	0.447622	0.274855	0.749833	1.026138
3404	0.961191	0.789565	0.789565	0.771152	0.661865	0.809915	1.138757	0.834625
3405	1.111711	1.291527	1.291527	0.981551	1.496137	0.832122	0.724794	1.111334
3406	1.042489	0.887443	0.887443	0.414753	1.664904	0.338899	5.619175	1.019361
3407	0.998177	0.940232	0.940232	0.438938	0.435780	0.435719	0.780909	1.115224
3408	1.027672	0.997898	0.997898	1.056659	1.171594	0.243502	2.748530	0.958899
3409	0.946707	1.228392	1.228392	0.543334	0.503396	0.198471	1.471312	0.936343
3410	0.983955	1.032125	1.032125	1.129585	0.646949	2.043057	2.274870	1.166788
3411	1.057180	1.129676	1.129676	1.071782	0.209499	0.184012	0.686136	1.203970
3412	0.865451	0.780310	0.780310	0.703096	0.597760	0.213918	1.407252	1.471741
3413	1.087963	0.915805	0.915805	0.898601	0.374771	0.361644	0.548335	1.496310
3414	1.096074	0.889095	0.889095	0.905263	1.380942	0.367984	1.981747	1.534479
3415	0.980994	0.662481	0.662481	0.938182	0.675285	0.336836	1.051459	1.204661
3416	1.046171	0.993889	0.993889	1.032024	0.182215	0.385515	1.172953	1.411074
3417	1.095161	1.058307	1.058307	1.069298	1.561097	0.164648	0.554168	1.387419

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3418	0.813824	0.928429	0.928429	1.106430	1.415432	0.230497	0.697480	1.076681
3419	1.071204	0.794505	0.794505	1.075963	1.298541	0.462091	1.387329	1.180771
3420	1.016454	1.191245	1.191245	0.418375	1.424409	2.045854	1.980761	0.892068
3421	0.874532	0.934845	0.934845	0.730945	0.291795	0.758928	0.661127	1.105691
3422	1.092422	0.647358	0.647358	1.086475	0.891667	0.538542	1.129943	0.961127
3423	0.812521	0.996727	0.996727	0.565917	0.996049	0.615067	1.688881	0.908432
3424	0.914406	0.794771	0.794771	0.754169	0.848732	0.326826	0.662645	0.941679
3425	1.087389	0.937056	0.937056	0.768973	1.574129	0.187516	0.981026	1.063270
3426	0.993835	1.176703	1.176703	0.998382	0.560430	1.024563	3.965028	1.452241
3427	1.114428	1.388393	1.388393	0.993161	0.623732	0.215421	1.133860	1.097125
3428	1.148405	1.067371	1.067371	0.959265	0.699379	2.683733	2.401104	1.182430
3429	1.024206	0.794034	0.794034	0.501222	1.998870	0.527446	1.208071	1.079109
3430	0.991244	1.356446	1.356446	0.749108	1.354715	0.210919	0.606982	1.058849
3431	0.908104	0.653668	0.653668	0.820796	1.138581	0.459579	0.551074	0.948180
3432	1.064527	1.094749	1.094749	0.823840	0.658888	2.347650	2.031581	1.493672
3433	1.072101	1.044673	1.044673	1.111924	0.311366	3.541239	0.872963	0.983407
3434	1.090454	1.150829	1.150829	0.926784	1.753229	1.121186	1.019147	1.095146
3435	1.063894	0.688172	0.688172	0.867223	0.407190	2.125818	4.951907	1.220026
3436	0.991389	0.911312	0.911312	0.923179	0.581312	0.225388	2.008441	1.167167
3437	0.894396	1.246757	1.246757	0.731164	0.349018	2.922130	1.643269	1.031573
3438	1.123774	0.700838	0.700838	0.581908	1.070943	0.156151	4.118756	1.409409
3439	1.014530	1.406543	1.406543	0.789746	0.996285	1.207882	1.677186	1.108625
3440	1.084995	1.381375	1.381375	0.705955	1.396515	1.278978	1.916876	1.107294
3441	0.986697	0.977549	0.977549	0.938847	0.267579	0.629971	3.907657	1.245785
3442	1.126843	1.149522	1.149522	1.082940	0.238454	0.710932	0.871656	1.408313
3443	1.106864	0.977079	0.977079	0.710869	0.112422	2.804540	0.927117	1.155449
3444	1.073002	0.760565	0.760565	0.986098	0.764617	0.472936	0.522884	0.851631
3445	1.084542	0.860424	0.860424	0.832939	1.234480	0.518093	0.941901	1.066296
3446	0.951618	1.027068	1.027068	0.669773	1.740382	1.083693	0.514106	1.048248
3447	1.038569	0.854625	0.854625	1.118360	0.296420	0.455610	2.685917	1.027516
3448	0.903706	1.044903	1.044903	0.925668	1.910998	0.508664	0.770137	1.072517
3449	0.893796	0.592035	0.592035	0.754720	0.219853	0.446212	1.504311	1.015182
3450	0.963290	0.539433	0.539433	0.837837	0.300479	1.227100	0.857871	0.840134
3451	0.984300	0.848826	0.848826	0.952091	0.860122	1.066543	0.798641	1.090416
3452	0.865239	0.773181	0.773181	0.940535	0.746404	0.515482	0.539164	1.150236
3453	0.946584	0.915201	0.915201	0.350287	1.028218	0.592654	0.504240	0.779123
3454	1.019603	1.230375	1.230375	1.039101	0.117880	0.465694	0.744197	1.568696
3455	0.897312	0.794968	0.794968	0.994476	2.093702	0.421164	0.672541	1.194637
3456	0.744781	1.272843	1.272843	0.674858	0.358255	0.639132	3.072601	0.940811
3457	0.913222	0.759425	0.759425	1.147118	0.661985	1.162233	1.095900	1.457837
3458	1.000877	1.237690	1.237690	0.463823	0.758262	0.354789	1.285343	1.158925
3459	1.081151	1.077784	1.077784	1.118267	0.836440	1.461291	1.643367	1.293630
3460	0.991666	0.518980	0.518980	0.362809	0.537759	0.103190	1.607551	1.218443
3461	0.906317	0.935346	0.935346	0.585129	1.222587	0.197615	1.361777	1.189801
3462	0.934234	1.007393	1.007393	1.066636	0.198883	0.568336	1.145910	1.477222
3463	0.901235	1.179695	1.179695	1.147600	0.840160	0.534794	0.944966	1.079049
3464	1.051126	0.943701	0.943701	0.882250	0.828973	0.511005	3.091811	1.225775
3465	0.948655	0.797572	0.797572	0.855090	1.992452	0.172156	1.984689	1.005605
3466	0.952713	1.108223	1.108223	0.693149	3.290828	0.272523	0.792501	1.178445
3467	0.976402	0.912099	0.912099	0.962967	0.419511	0.176054	0.954265	1.163153
3468	1.045894	0.880308	0.880308	0.804712	0.207498	0.622233	0.513654	1.554466
3469	0.999074	1.337332	1.337332	0.844074	0.771227	0.467437	0.557822	1.210618
3470	1.157182	0.768230	0.768230	0.731868	0.754433	1.338807	1.263210	0.828248
3471	0.961716	1.301412	1.301412	1.148887	0.268833	0.313778	3.081399	1.120668
3472	0.989796	0.891918	0.891918	1.098732	0.725071	1.009194	1.591930	1.349052
3473	1.063662	1.249807	1.249807	0.935747	0.322935	2.247163	2.343983	0.855411
3474	0.926889	0.929440	0.929440	0.944988	1.595712	0.698344	0.534359	1.154364

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3475	1.194472	0.782580	0.782580	0.721650	0.516006	0.353395	3.449290	0.830764
3476	1.145298	0.737347	0.737347	0.877085	0.428787	0.276304	1.680761	1.100524
3477	1.002822	0.601713	0.601713	1.121539	0.753813	0.908519	0.567530	1.022032
3478	0.934923	0.903660	0.903660	0.855133	0.880987	0.237959	1.323328	0.981700
3479	1.043190	0.603846	0.603846	0.506969	1.228116	0.381558	0.557038	0.955567
3480	0.879484	0.772087	0.772087	1.142798	0.346091	1.660654	4.489344	1.477635
3481	1.087502	0.921248	0.921248	1.006470	0.386605	1.991820	0.533066	1.157070
3482	1.067498	0.874008	0.874008	0.983815	1.547293	0.759410	1.545643	1.185479
3483	1.112998	0.885872	0.885872	1.095193	1.417937	0.890251	5.525525	0.988052
3484	0.960117	0.413199	0.413199	0.829760	1.627414	0.562682	0.866718	1.300272
3485	1.049498	1.307787	1.307787	0.959573	0.695718	0.381732	1.845922	1.060606
3486	0.960089	1.117433	1.117433	0.998245	0.277943	0.437332	2.155143	1.185397
3487	0.938658	0.628304	0.628304	1.145946	0.175392	1.705806	0.581622	1.029708
3488	1.143563	1.048465	1.048465	1.057087	0.237747	1.449948	0.617074	1.467688
3489	1.158007	1.097405	1.097405	0.261554	0.927134	1.004807	0.880532	1.362623
3490	1.077960	1.075604	1.075604	1.148249	1.318051	0.508329	0.602534	0.983159
3491	0.969107	1.155176	1.155176	0.447020	0.936437	0.933688	0.803051	0.983886
3492	1.204928	1.010133	1.010133	0.646948	0.619974	0.423360	3.572240	1.631032
3493	1.033344	1.028860	1.028860	0.662978	0.710760	1.285732	0.831048	1.094564
3494	0.968301	0.505529	0.505529	0.504979	1.593908	0.943265	1.349243	1.365152
3495	0.962921	1.310888	1.310888	0.877949	0.244869	0.371425	1.225844	0.956714
3496	1.039555	0.559880	0.559880	0.940935	0.435986	1.935906	0.591910	1.240978
3497	0.960835	1.206462	1.206462	1.061904	2.544577	0.409949	0.713301	1.073500
3498	0.974657	0.882816	0.882816	0.553401	1.633878	2.338790	1.477504	1.113795
3499	1.096959	1.209405	1.209405	0.779035	1.333067	0.180959	0.659679	0.983290
3500	1.055503	0.747322	0.747322	0.782259	1.834731	0.147875	0.513143	1.052893
3501	0.968785	0.633621	0.633621	0.964506	0.263997	1.043913	1.679890	1.381267
3502	0.916799	1.428494	1.428494	0.978141	1.507974	0.609800	3.117231	1.085904
3503	0.958188	0.912569	0.912569	0.902211	0.947163	0.674396	0.693021	0.892437
3504	1.002978	0.628271	0.628271	0.753983	0.105411	2.280794	3.117766	1.039707
3505	0.906971	1.106826	1.106826	1.084613	2.120412	1.919228	1.033938	1.151230
3506	0.974609	1.076322	1.076322	0.945198	0.382037	5.213779	1.897930	1.086990
3507	1.049389	1.211114	1.211114	1.057570	0.404145	0.350881	3.115616	1.191138
3508	1.096229	1.014394	1.014394	0.604622	0.255485	0.544823	0.688559	1.022064
3509	0.998643	1.249624	1.249624	1.044838	0.346774	0.761373	0.687535	1.293328
3510	1.060417	1.316385	1.316385	1.034444	0.843522	0.310884	0.608093	0.872329
3511	0.869555	1.143491	1.143491	0.492998	0.291678	0.221051	0.638680	1.580980
3512	1.053613	0.855726	0.855726	0.858520	0.460258	0.287645	0.541431	1.031714
3513	0.946917	1.040947	1.040947	1.139650	0.495037	0.807752	2.779212	1.304664
3514	1.161978	0.934324	0.934324	0.802657	2.379924	0.209982	0.756441	1.391212
3515	1.097687	0.718572	0.718572	0.487177	0.347963	0.519299	2.614657	0.911934
3516	0.925395	1.437281	1.437281	0.783336	0.581937	1.360026	1.005109	0.973117
3517	1.131604	1.219160	1.219160	0.570472	1.805381	1.216562	2.973359	1.360198
3518	1.133049	0.853282	0.853282	0.703016	1.132621	0.173619	0.872513	1.201832
3519	1.306844	0.943865	0.943865	0.927620	1.378172	0.806861	2.747636	0.939429
3520	1.050922	0.414398	0.414398	1.002091	1.525672	0.382792	0.583704	1.399983
3521	0.979428	1.057928	1.057928	0.969320	0.804918	0.349578	0.555817	1.487123
3522	1.100738	1.112551	1.112551	0.935658	0.573439	0.217073	1.035427	1.344872
3523	1.113161	0.781958	0.781958	1.076378	0.257856	0.317664	0.698703	1.345171
3524	0.888621	0.713568	0.713568	1.140392	0.354942	0.778726	1.274365	1.441334
3525	0.929840	0.897320	0.897320	0.800615	0.933523	0.291504	0.575727	1.180365
3526	1.200510	1.315209	1.315209	1.133752	0.650515	1.104585	4.177082	1.376685
3527	1.038615	0.836638	0.836638	0.802129	1.496436	0.377547	0.973278	1.310735
3528	1.066889	1.000752	1.000752	1.112758	0.719079	1.331093	1.199888	0.894735
3529	1.011669	0.568896	0.568896	0.739946	0.497553	1.906071	0.752764	1.565517
3530	1.034750	1.026935	1.026935	1.007145	0.301912	1.173508	0.723163	1.073793
3531	0.913146	0.378726	0.378726	0.758894	0.997226	0.301196	0.617947	0.864670

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3532	0.926626	1.111932	1.111932	0.828131	1.303959	1.019190	0.656210	1.066496
3533	1.197382	0.508918	0.508918	0.941928	1.147569	1.782087	0.984952	1.267852
3534	0.954157	0.721805	0.721805	0.619380	3.104643	0.320814	0.501237	1.303650
3535	0.954679	1.086045	1.086045	0.851220	0.421342	0.418755	2.068565	0.884343
3536	0.882116	1.208031	1.208031	1.137735	0.401698	0.177353	2.041398	1.218012
3537	0.998711	0.934153	0.934153	0.988962	1.375799	0.519888	0.577203	1.171318
3538	0.957990	0.801894	0.801894	1.076733	0.201787	0.899904	1.436239	0.954385
3539	0.993049	0.937053	0.937053	0.387395	2.754943	0.693266	0.660135	1.181597
3540	0.912176	1.003470	1.003470	1.101460	0.459404	1.752553	1.411459	1.222953
3541	0.889512	1.379688	1.379688	0.556450	0.534209	0.332852	2.995953	1.279248
3542	1.099898	0.924411	0.924411	0.741356	0.482660	0.537631	1.374148	1.319600
3543	0.880749	1.408657	1.408657	0.788063	0.103690	0.337254	1.093771	1.343080
3544	0.946295	1.398504	1.398504	0.801125	0.411683	0.720372	1.532153	0.986291
3545	1.095984	1.057951	1.057951	0.859499	0.306942	0.496702	1.429272	0.838105
3546	0.870008	1.219615	1.219615	1.130915	0.846069	0.250698	0.545092	1.241350
3547	0.832036	1.263106	1.263106	0.921141	0.233726	0.322972	2.836187	1.336434
3548	1.025405	0.902501	0.902501	0.690938	0.633322	1.064055	2.632792	0.860786
3549	1.129422	1.359657	1.359657	1.028527	0.888589	1.837054	0.937646	1.073364
3550	1.116176	1.202053	1.202053	0.943200	0.406140	0.501198	0.827444	1.035379
3551	1.104930	0.953405	0.953405	1.090373	3.010731	0.634859	3.455271	1.185464
3552	0.724771	0.518788	0.518788	0.804278	0.377205	0.804552	1.924085	1.026448
3553	0.850470	0.989566	0.989566	0.813114	1.038332	1.537093	1.049427	1.161537
3554	1.155618	1.337707	1.337707	0.662650	0.847047	1.026520	1.110468	1.483272
3555	0.938184	1.295688	1.295688	1.005072	0.986118	2.202577	0.881228	1.127376
3556	1.000862	1.250584	1.250584	0.900046	0.566581	0.291262	0.546243	1.157302
3557	1.052198	1.006629	1.006629	1.040123	0.493640	0.319062	1.187367	0.950487
3558	1.069935	0.686603	0.686603	0.814469	0.619154	0.402814	0.633734	1.341818
3559	0.910974	1.055779	1.055779	0.678175	1.311664	6.233936	1.420756	0.900161
3560	1.079325	1.021963	1.021963	0.495185	0.345314	0.319371	0.997182	1.080721
3561	1.108809	0.962314	0.962314	0.832629	1.238614	0.466807	0.632805	1.502153
3562	0.980930	0.966686	0.966686	0.646544	1.769585	0.723469	3.330651	1.487792
3563	0.917579	0.957827	0.957827	1.001385	1.266321	0.316121	0.619946	0.969876
3564	1.134520	1.029279	1.029279	1.083873	0.324073	0.479624	1.920334	1.413027
3565	1.017036	0.929611	0.929611	0.834702	2.105504	3.466091	0.869308	1.251512
3566	0.938440	1.038888	1.038888	0.868243	2.390300	0.395267	0.951583	1.648921
3567	1.046636	1.097287	1.097287	0.969599	0.364280	0.292510	0.912847	1.091977
3568	0.893289	0.884886	0.884886	0.924718	0.268747	0.790883	4.014274	1.097357
3569	1.239526	1.420815	1.420815	0.912410	1.031623	0.349878	2.640306	0.954913
3570	0.952203	1.109547	1.109547	0.788609	2.189509	2.873515	1.099987	1.366354
3571	0.974182	1.375221	1.375221	0.828365	0.291202	0.143230	0.547759	1.612468
3572	0.941392	0.557255	0.557255	1.027765	1.257724	0.850531	3.232603	1.564823
3573	0.993882	1.161773	1.161773	0.668490	0.272168	0.174081	2.434422	0.908734
3574	0.951876	1.100727	1.100727	0.651881	0.696523	0.645392	2.803387	1.014975
3575	0.899149	0.826997	0.826997	0.737960	0.510822	0.387938	1.592519	1.396530
3576	1.053231	0.657302	0.657302	0.820788	1.126104	0.502254	1.117657	1.712662
3577	0.879150	1.029315	1.029315	1.045224	0.810976	0.818615	0.744365	1.163499
3578	0.824581	1.320051	1.320051	0.792278	0.842151	0.236640	0.836902	0.955756
3579	0.821106	0.829529	0.829529	0.726974	0.685683	1.050611	0.774757	1.269717
3580	1.173415	0.978019	0.978019	0.985635	1.316561	0.839733	0.595684	0.888014
3581	0.921984	0.785922	0.785922	0.875235	2.186275	0.809397	1.899662	0.951677
3582	1.211691	1.295683	1.295683	1.017474	0.568438	1.745821	0.652658	1.350213
3583	1.137188	1.210555	1.210555	0.564965	0.809577	0.753633	0.566932	1.466798
3584	0.983646	1.160341	1.160341	0.601346	0.299679	1.032509	0.801363	1.456743
3585	1.047312	0.663826	0.663826	0.818597	0.360030	1.242718	0.729331	0.917926
3586	0.947854	1.105902	1.105902	0.919784	1.210444	0.572961	1.432105	1.598055
3587	0.962334	1.184191	1.184191	0.888322	0.557079	0.256675	0.535345	1.297608
3588	0.968871	1.256788	1.256788	0.754596	1.018175	0.559262	0.772285	1.277280

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3589	0.997836	0.819272	0.819272	0.979051	0.826827	0.224624	4.864553	0.926447
3590	1.018947	1.126038	1.126038	0.842206	2.616596	0.644287	0.666053	0.951761
3591	0.907275	1.093158	1.093158	0.215756	1.619423	1.698463	1.669530	1.493764
3592	0.948196	1.132618	1.132618	0.238717	1.383874	0.427484	3.809238	1.019354
3593	1.005897	0.968742	0.968742	1.100874	0.304099	0.229112	1.270773	1.049943
3594	1.094157	0.858849	0.858849	0.982936	0.789600	1.544504	0.566268	1.305686
3595	0.942460	1.351472	1.351472	0.762668	0.502430	0.497015	0.611261	1.378172
3596	0.891250	1.081568	1.081568	0.950494	1.972305	0.223938	0.564334	0.966460
3597	1.074368	1.098820	1.098820	0.552613	1.614320	0.735767	0.913980	0.987904
3598	0.815178	0.941378	0.941378	1.149271	0.651466	0.549839	1.091756	1.026631
3599	0.950264	0.766384	0.766384	0.944985	1.742321	0.685841	0.553078	0.928488
3600	0.945544	0.825099	0.825099	0.664261	0.420199	0.883551	2.416332	1.027169
3601	0.965693	0.717673	0.717673	0.806749	0.578312	0.346446	1.236284	1.178895
3602	1.180526	1.042061	1.042061	0.692838	0.627749	0.702177	1.922398	1.232229
3603	0.967105	0.779991	0.779991	0.723204	0.654276	0.433411	0.707181	1.202014
3604	0.978696	0.866370	0.866370	0.723376	1.120296	1.624725	0.831801	1.197631
3605	0.948018	0.594502	0.594502	0.822533	0.458195	0.447354	0.658951	1.162931
3606	1.034227	0.887481	0.887481	1.039214	1.364880	0.642412	0.531119	1.187415
3607	0.982942	0.761955	0.761955	0.874605	3.053882	0.795646	0.561935	0.964965
3608	0.921332	0.478843	0.478843	0.797394	2.152182	0.168325	0.611788	1.012685
3609	1.127094	0.873326	0.873326	0.962445	0.905882	1.035579	3.669196	1.532659
3610	1.017615	0.916503	0.916503	1.105865	0.175756	2.476627	0.597260	1.233097
3611	1.001303	0.992601	0.992601	0.950681	0.441715	0.219924	0.585086	1.369448
3612	0.959480	1.089882	1.089882	0.561379	0.736685	3.788010	0.886779	1.462614
3613	1.019952	0.584250	0.584250	0.760381	0.453425	0.319644	2.019887	0.882464
3614	0.726371	1.005780	1.005780	0.692054	2.181101	1.122795	1.512279	1.487965
3615	1.088373	1.353934	1.353934	1.067655	2.010999	0.144662	0.658871	1.245795
3616	0.960714	1.094563	1.094563	0.943864	0.709424	0.552517	0.995012	0.973224
3617	0.955403	1.103027	1.103027	0.572249	0.285140	1.035829	0.962308	1.229302
3618	1.038725	0.988278	0.988278	0.944906	0.537528	1.932650	1.363695	1.219817
3619	0.930382	0.881632	0.881632	0.968757	0.497912	3.581548	0.719873	1.003185
3620	0.900043	1.049704	1.049704	0.925764	0.617218	3.704480	0.866311	1.090543
3621	1.033868	1.243057	1.243057	0.996924	0.317286	0.541090	1.418305	1.643754
3622	1.019377	1.399550	1.399550	0.793210	0.820340	0.395635	1.714046	1.364272
3623	0.967226	0.817951	0.817951	0.401370	0.499347	0.286968	1.198363	0.993467
3624	0.980932	1.369302	1.369302	0.898911	0.348608	0.510998	1.001526	1.333638
3625	0.858531	0.442457	0.442457	1.009155	0.311429	0.280818	0.944279	0.986522
3626	0.859518	1.038535	1.038535	1.065743	0.830184	0.436740	0.682506	1.029073
3627	1.065522	0.587120	0.587120	0.570208	0.273848	1.168344	1.855020	1.568234
3628	1.019871	0.810126	0.810126	0.421737	1.342029	0.803647	0.783980	0.923347
3629	1.136559	0.664842	0.664842	0.760383	0.579662	0.217798	0.867591	1.546688
3630	0.976109	1.152515	1.152515	0.905931	1.425764	0.112491	0.567618	1.183821
3631	1.100659	0.881433	0.881433	0.852683	0.502466	1.645498	2.654490	1.053498
3632	0.982634	1.105027	1.105027	0.459425	0.974475	0.513826	0.994326	1.597392
3633	1.181855	0.576128	0.576128	0.784853	0.298522	0.109868	0.955711	1.400498
3634	0.931506	0.945072	0.945072	0.888161	0.943397	0.147041	0.764450	1.338290
3635	1.105476	1.143062	1.143062	0.924914	0.896282	0.799542	1.253261	1.454943
3636	0.966057	1.240413	1.240413	0.841217	0.321169	1.566778	1.240377	1.360783
3637	0.975480	0.760228	0.760228	0.752520	0.550821	0.435883	1.864648	0.892145
3638	0.906301	1.241531	1.241531	0.686830	0.585448	0.260900	1.013913	1.640411
3639	1.079957	1.221560	1.221560	0.689215	1.648458	2.589773	0.997233	1.435718
3640	0.916813	0.896757	0.896757	0.871786	0.360158	1.586794	0.587981	1.066427
3641	1.053517	0.800030	0.800030	0.981566	0.188033	3.012884	2.163829	1.003037
3642	1.043252	0.945168	0.945168	0.622034	0.263203	1.806683	1.303398	1.286902
3643	0.983059	0.589851	0.589851	0.960428	2.632575	0.336890	0.783551	0.890844
3644	0.901220	0.749946	0.749946	0.394270	0.413321	0.772366	1.142981	0.988177
3645	1.060491	1.279661	1.279661	0.741298	2.534740	0.296533	2.008449	1.038283

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3646	1.041001	1.106769	1.106769	0.446569	0.443457	0.292895	1.480234	1.322055
3647	0.979579	0.873066	0.873066	0.498537	0.641332	0.305855	0.627697	1.051264
3648	1.122972	0.546685	0.546685	0.993122	1.504552	0.213398	1.590464	0.904320
3649	1.077342	1.366104	1.366104	0.782511	0.933462	0.409729	0.512852	1.126387
3650	1.015114	1.038324	1.038324	1.026229	0.920298	1.785074	1.478032	1.037244
3651	1.047788	1.026235	1.026235	0.955484	0.512647	0.448287	1.225407	1.193410
3652	1.050122	1.191057	1.191057	0.860236	1.724974	0.355326	1.110649	1.497922
3653	1.169866	1.030092	1.030092	0.988567	0.381013	1.439158	0.931272	1.236751
3654	1.050052	0.828633	0.828633	0.988424	1.094654	1.301735	0.557720	1.594930
3655	1.141017	0.754541	0.754541	1.145985	0.332958	2.917984	1.125446	1.281666
3656	0.992146	1.046212	1.046212	0.920962	0.212973	1.185832	0.915027	1.356934
3657	0.977324	1.062458	1.062458	1.009642	0.699951	0.236761	2.596693	1.121177
3658	0.959071	0.836678	0.836678	0.929336	0.177398	0.895460	1.842352	1.196754
3659	0.980172	1.288696	1.288696	1.118244	0.500516	0.178525	0.710059	1.220462
3660	0.757437	0.904370	0.904370	1.132036	0.614582	1.573210	0.540954	1.457452
3661	1.142724	0.738155	0.738155	1.111922	1.014172	0.139647	0.531839	1.216766
3662	1.087030	1.053319	1.053319	0.747579	2.322622	0.553717	0.521317	0.785196
3663	0.786734	0.753810	0.753810	0.733653	1.319151	0.152494	1.829016	1.183480
3664	0.830007	0.876592	0.876592	0.779094	0.746870	0.417248	0.633446	0.972012
3665	0.934294	1.250754	1.250754	1.097321	1.301281	0.937437	0.849992	1.318267
3666	0.867887	1.021125	1.021125	1.100488	1.818136	0.254344	1.133625	0.952776
3667	1.013295	1.158764	1.158764	0.855317	0.683093	1.038711	2.204047	0.801016
3668	0.988998	0.547006	0.547006	1.012655	0.387836	1.647116	0.662291	1.380088
3669	1.088953	0.920698	0.920698	1.136389	1.655616	0.841411	5.484310	1.085983
3670	0.961335	0.715158	0.715158	1.069670	0.783373	0.675965	1.515513	1.126112
3671	1.017917	1.202017	1.202017	0.872183	0.837478	0.348468	0.673908	1.341531
3672	0.968267	0.781086	0.781086	1.096888	0.607817	0.621209	0.803312	0.966915
3673	0.966089	0.855631	0.855631	0.737567	0.437222	1.351987	1.971828	1.362507
3674	0.910596	1.204424	1.204424	0.895722	2.070028	2.134158	0.776627	1.026175
3675	1.109048	1.354003	1.354003	0.979471	0.844966	1.523807	2.297189	0.980333
3676	0.996835	1.210709	1.210709	0.796170	1.213105	0.588287	0.520837	0.895497
3677	1.069947	1.141910	1.141910	1.111288	0.761975	0.227685	1.712434	0.985961
3678	0.845410	0.571325	0.571325	0.631242	0.232909	0.077145	1.468601	1.196021
3679	1.137260	0.328149	0.328149	0.946238	0.876121	2.468775	1.099578	1.028359
3680	0.966028	1.154811	1.154811	0.995769	1.316681	0.585365	0.838194	1.158928
3681	0.990200	0.837147	0.837147	0.415857	0.591550	0.195904	1.161894	1.262986
3682	0.991760	0.885073	0.885073	0.715111	1.320733	0.740959	1.284808	0.789588
3683	1.087436	1.152720	1.152720	0.784185	0.414408	0.605671	1.360091	1.610029
3684	1.042457	1.196008	1.196008	0.777411	0.894953	0.292696	1.227386	1.316068
3685	0.978312	1.086017	1.086017	0.324830	0.766047	0.714494	1.720113	1.051743
3686	1.023614	0.963694	0.963694	0.907934	0.799184	0.306065	2.498360	0.868003
3687	1.009500	1.261495	1.261495	0.908951	1.029134	1.993754	1.858842	0.836261
3688	1.094814	0.435753	0.435753	0.971158	0.520873	0.845372	3.053006	1.188761
3689	0.947933	0.743811	0.743811	0.948365	0.645570	1.017903	0.700593	0.903986
3690	1.017479	0.423507	0.423507	0.845097	0.554557	0.379208	0.534762	1.189070
3691	1.035755	0.975422	0.975422	0.718111	0.681536	1.758024	0.510267	0.959445
3692	1.155324	1.298157	1.298157	1.039359	0.579100	0.354492	0.853962	0.959489
3693	0.909049	0.871178	0.871178	1.082858	1.036522	0.437770	1.205013	1.450899
3694	0.898554	0.648502	0.648502	1.055104	0.589231	0.676044	0.916665	1.179213
3695	0.868318	0.978907	0.978907	0.841477	0.386913	1.553102	0.534677	0.944937
3696	1.020819	0.427838	0.427838	0.990503	0.958417	1.566081	1.488184	1.146041
3697	0.936545	0.945683	0.945683	0.748491	0.735169	0.210901	1.246207	1.137501
3698	0.947258	0.511044	0.511044	0.582113	1.101304	1.096065	1.364198	1.209109
3699	0.953263	1.112510	1.112510	1.002224	0.591956	0.373363	0.606800	1.058179
3700	1.027976	0.839096	0.839096	0.816443	0.895326	1.384082	1.181928	1.212197
3701	1.080219	0.738708	0.738708	0.518572	2.960116	0.554535	0.616731	1.406634
3702	0.911204	0.516660	0.516660	0.811408	0.342177	6.225678	4.722801	1.392483

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3703	0.901243	1.382368	1.382368	0.628757	0.928020	0.471177	2.100323	0.911570
3704	0.973773	1.361294	1.361294	1.083718	0.512182	1.247681	1.072261	1.534386
3705	0.941189	0.937387	0.937387	0.524244	0.191994	0.117377	1.471314	1.045218
3706	0.934012	1.337737	1.337737	1.113921	0.372248	0.589403	0.763380	1.015279
3707	0.900664	0.554113	0.554113	0.771789	0.322281	4.248604	0.733269	1.381262
3708	1.075238	1.090522	1.090522	0.736691	0.583236	0.568034	2.299170	1.424598
3709	1.089281	0.892812	0.892812	0.834473	0.798175	1.752145	2.060278	1.089148
3710	0.904404	0.894667	0.894667	0.572847	0.824632	1.161759	0.571953	1.121238
3711	1.019555	1.081999	1.081999	0.617230	0.364034	1.147532	0.520010	1.104939
3712	1.151424	0.863767	0.863767	1.045599	1.071790	0.706459	1.383682	1.064623
3713	0.817025	0.706391	0.706391	0.782244	0.405455	2.099964	3.298725	1.567605
3714	0.987671	0.936684	0.936684	0.841262	0.657671	1.031782	1.632371	1.294350
3715	0.948186	1.119428	1.119428	1.026706	1.339770	0.175563	1.615084	1.296940
3716	1.034288	0.718967	0.718967	1.110830	1.354137	1.312445	0.774978	0.778901
3717	1.114057	1.252141	1.252141	1.102352	0.850512	3.044596	1.953124	1.168885
3718	0.875049	1.241578	1.241578	0.842588	1.478863	0.489926	0.671959	1.257347
3719	0.904273	1.384097	1.384097	0.726248	1.711293	0.996856	2.699172	1.267136
3720	0.796912	1.252487	1.252487	0.749468	0.869402	1.666209	5.119671	0.806630
3721	0.826418	0.724612	0.724612	0.757028	0.297660	1.042566	0.621653	1.253279
3722	1.004143	1.308524	1.308524	1.102538	0.848587	0.366873	1.823215	1.202013
3723	0.945823	1.191869	1.191869	0.933231	0.163145	0.953850	2.505558	1.743697
3724	0.829970	0.977997	0.977997	0.710888	1.364982	0.264552	1.199977	1.032758
3725	1.062527	1.014691	1.014691	0.824616	0.653589	0.206375	0.813917	0.854856
3726	0.877294	0.955041	0.955041	0.656304	1.229818	1.133194	0.841880	1.284483
3727	0.891137	1.339041	1.339041	0.804316	1.482753	0.987781	1.489705	0.888943
3728	0.867897	0.898777	0.898777	0.834622	1.513924	1.087715	0.670655	1.035681
3729	0.977939	0.868579	0.868579	0.525669	0.668086	0.190317	0.748853	1.401961
3730	0.989704	0.751185	0.751185	1.038236	0.298846	0.093619	3.121892	0.820589
3731	0.976450	0.696979	0.696979	1.018779	0.504582	0.366232	0.700791	1.505241
3732	0.995280	0.880469	0.880469	1.066965	0.595183	1.855047	0.560988	1.222707
3733	0.939572	0.774219	0.774219	0.988927	0.351102	2.683960	1.114305	0.894020
3734	1.136168	0.614793	0.614793	1.049478	0.357614	0.175546	2.120451	1.469287
3735	0.798590	0.364297	0.364297	0.952050	0.330635	0.490577	0.739866	0.896862
3736	1.124309	0.877863	0.877863	0.552169	0.145382	0.440934	3.949826	1.045614
3737	0.995951	1.141538	1.141538	0.736969	1.927281	1.328540	0.507329	1.017317
3738	1.089190	1.111229	1.111229	0.972151	0.391782	0.173622	1.176213	0.769780
3739	1.084905	1.161727	1.161727	0.795932	1.032542	2.369330	1.051693	1.611943
3740	1.003776	0.919843	0.919843	1.113493	1.540602	0.837797	3.521569	0.809250
3741	0.929605	1.067679	1.067679	0.787417	1.736453	1.281781	1.079801	1.039493
3742	1.195161	0.679180	0.679180	0.481701	2.400994	0.324195	2.838426	1.082369
3743	0.982206	0.870878	0.870878	0.920317	0.919871	0.587108	0.994587	1.334794
3744	1.110185	1.156568	1.156568	1.074704	0.228851	0.702202	3.137329	1.323858
3745	0.865606	0.662079	0.662079	0.564510	0.732642	1.232827	0.840529	1.618743
3746	0.926086	0.999797	0.999797	1.002778	2.798451	0.859222	1.672945	0.894195
3747	1.001603	0.604638	0.604638	0.854215	0.397558	1.442866	0.712144	1.098174
3748	1.131278	1.024143	1.024143	0.450416	0.552311	0.284270	0.545580	0.970971
3749	1.022167	0.979618	0.979618	0.924279	0.272078	0.211454	1.932395	1.138462
3750	1.164224	0.733521	0.733521	0.583539	0.570909	0.282003	4.533646	1.025746
3751	0.973110	0.958258	0.958258	1.095835	0.432063	0.531523	1.521795	1.034093
3752	1.144886	0.969552	0.969552	1.003044	0.442363	0.568410	0.891994	0.815897
3753	1.049829	0.780127	0.780127	0.891907	1.451103	0.355296	1.318553	0.842411
3754	1.134234	0.888152	0.888152	1.079750	0.681277	0.678454	3.716917	1.463702
3755	1.044808	0.589164	0.589164	0.554134	0.289517	2.709751	3.079399	1.107072
3756	1.050388	0.747412	0.747412	1.102988	1.194584	0.201853	0.793120	0.852113
3757	1.118143	1.060082	1.060082	0.720476	0.571079	0.100134	3.450869	0.964846
3758	0.926246	0.628783	0.628783	0.899969	0.413646	0.449933	0.682477	1.191340
3759	0.789227	0.654292	0.654292	0.657029	0.805815	3.144526	0.503888	1.663942

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3760	1.018848	0.971445	0.971445	0.476982	0.987047	0.537152	1.211587	0.950660
3761	1.110941	0.929906	0.929906	0.847582	0.902330	0.935889	4.182324	1.009368
3762	0.990505	0.901764	0.901764	0.515457	3.294983	0.530913	1.228826	1.372508
3763	0.955703	0.985375	0.985375	1.088247	0.390380	2.128788	2.325170	1.466832
3764	0.805587	0.692505	0.692505	0.861158	0.596885	0.275354	3.308195	1.671369
3765	1.035710	1.371744	1.371744	0.936236	0.883201	0.527933	1.598808	1.069253
3766	1.038442	0.620020	0.620020	0.899477	0.626995	0.586172	1.727117	1.520570
3767	1.032293	0.854235	0.854235	0.886303	0.796002	0.124488	1.068097	1.232591
3768	1.040241	1.163060	1.163060	1.067272	0.306182	0.110578	4.811529	0.940649
3769	1.112772	1.066755	1.066755	1.144955	2.185803	0.715857	0.775844	1.150700
3770	1.011745	1.122856	1.122856	1.131801	0.440324	0.156333	1.164916	1.083573
3771	1.113071	1.406169	1.406169	0.807538	2.375426	1.282670	3.098462	1.196303
3772	1.193952	0.658522	0.658522	1.120734	0.266020	0.827599	0.655552	1.156289
3773	0.996109	0.993527	0.993527	1.077652	0.591185	0.421505	1.303292	1.475536
3774	0.989078	0.990494	0.990494	1.144176	0.929210	0.249531	0.914131	1.279827
3775	1.013098	0.694777	0.694777	0.673209	0.287443	0.923985	0.597937	1.468979
3776	1.033819	1.100660	1.100660	0.994310	0.538638	0.158208	0.621862	1.508719
3777	1.089772	0.846306	0.846306	0.977496	0.219087	0.459464	0.544710	1.371648
3778	0.993919	1.205991	1.205991	0.715154	0.958216	0.214443	0.692725	1.455843
3779	0.952296	1.151735	1.151735	0.999318	0.621208	0.094323	1.226816	1.329920
3780	1.046895	0.760542	0.760542	1.046616	0.655683	1.167436	0.678873	0.861689
3781	1.104561	0.927412	0.927412	0.665662	0.784114	0.308544	0.872550	1.188777
3782	1.127016	1.068883	1.068883	0.954506	0.677240	0.954231	1.265423	1.109694
3783	1.067152	0.892562	0.892562	1.120210	0.340291	0.785079	1.165327	0.987985
3784	0.987755	1.036915	1.036915	0.757851	2.429535	0.265453	2.362370	0.944662
3785	0.951014	0.869965	0.869965	0.737975	0.996295	0.498556	1.410965	1.265184
3786	1.010092	0.926731	0.926731	0.939165	0.250492	0.271824	0.529785	0.845971
3787	0.934425	1.300345	1.300345	0.902958	1.337335	0.349974	1.957366	1.352819
3788	0.900470	1.044922	1.044922	1.007788	1.977814	1.675864	3.619430	1.176094
3789	1.071961	0.764388	0.764388	0.613612	0.891576	0.329593	0.644058	0.890088
3790	0.950354	0.881616	0.881616	0.675281	0.725043	2.076480	1.067992	1.310445
3791	1.108269	1.104896	1.104896	0.667092	0.588806	0.211442	0.730348	0.911339
3792	0.848744	0.913937	0.913937	0.904885	0.230974	0.549077	0.875770	1.441350
3793	1.000778	0.881402	0.881402	0.517478	0.599720	1.079339	0.801679	1.187197
3794	1.105881	1.143703	1.143703	0.578698	1.141080	0.098796	1.982146	1.181736
3795	0.950037	1.015456	1.015456	0.799667	0.609241	1.355497	0.715118	1.206072
3796	1.070743	0.891491	0.891491	0.821139	1.106426	1.610319	1.002161	1.096417
3797	0.968887	1.195471	1.195471	1.038823	1.684521	0.827252	5.138362	0.918734
3798	0.952330	1.011750	1.011750	0.478427	0.920933	0.268287	2.120758	1.107139
3799	0.885018	1.127671	1.127671	0.667258	1.568692	0.172494	1.938293	1.265408
3800	1.083268	0.954892	0.954892	0.827509	1.048960	0.800871	2.909707	0.810208
3801	1.056270	1.044575	1.044575	1.022111	1.022132	0.808689	0.709603	0.966251
3802	0.916550	1.208834	1.208834	0.822956	1.127589	0.635909	0.684499	1.128088
3803	1.117991	1.314840	1.314840	1.084066	0.632041	0.451748	1.078104	0.997011
3804	1.246561	1.153269	1.153269	0.834874	1.512787	0.615017	0.659691	1.203262
3805	0.936609	1.154396	1.154396	0.244954	0.835384	0.132766	2.062298	0.908069
3806	1.045809	1.254965	1.254965	1.113155	0.928156	2.362837	2.478521	1.520331
3807	0.900727	0.997664	0.997664	0.751417	0.444413	0.260824	0.675409	1.395964
3808	0.909200	1.281993	1.281993	1.033979	1.002194	1.891848	0.900783	1.324583
3809	0.839313	0.689305	0.689305	0.680254	1.431071	0.166515	2.461103	1.280311
3810	1.018741	0.998292	0.998292	0.938772	0.463072	1.928141	1.645504	1.005794
3811	1.013243	1.209582	1.209582	0.342218	0.495435	2.649542	0.599912	1.026621
3812	0.950187	1.080316	1.080316	0.942182	0.497374	0.436445	1.093221	1.342938
3813	0.894570	0.971716	0.971716	0.696007	0.615955	0.305984	0.614479	0.982883
3814	1.079802	0.920775	0.920775	1.054927	0.926493	1.241501	1.001771	1.215039
3815	1.149763	0.828688	0.828688	0.729824	0.684608	0.373545	0.528165	1.143967
3816	0.943865	0.943796	0.943796	0.605219	2.411716	0.147234	1.188915	1.426634

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3817	1.082649	0.904670	0.904670	1.004320	0.852641	0.482413	0.723722	1.122013
3818	1.033184	0.957453	0.957453	0.455530	0.380352	0.400728	0.543751	1.080154
3819	0.893004	1.157941	1.157941	1.006055	0.991982	0.427746	1.605054	1.322853
3820	1.106516	0.798855	0.798855	0.830742	0.454040	0.648462	1.143250	1.440692
3821	0.852616	0.463625	0.463625	0.770690	0.564240	0.233086	1.121835	0.952900
3822	1.075940	0.815967	0.815967	0.570818	1.945268	1.382416	0.561627	1.220379
3823	1.000955	1.198117	1.198117	0.741007	0.513638	0.235742	0.626055	1.486450
3824	0.931268	0.749566	0.749566	1.138072	1.490219	0.398309	1.189651	0.978444
3825	1.156324	1.157656	1.157656	0.856055	0.557135	0.484589	0.764042	1.199305
3826	1.005882	0.832925	0.832925	1.069949	0.693195	0.877544	2.439214	1.375548
3827	0.896672	0.979039	0.979039	0.865587	0.274184	0.474190	0.634185	1.184697
3828	0.745301	0.995805	0.995805	0.506303	1.112753	1.273399	0.715544	0.825736
3829	0.926649	0.680797	0.680797	0.822612	0.659218	0.595467	0.544294	1.221646
3830	1.110821	0.940471	0.940471	0.812503	0.778476	0.557125	4.804696	1.283035
3831	1.058839	0.823321	0.823321	0.818935	1.787298	0.739819	1.101951	1.111124
3832	0.956798	0.914410	0.914410	0.961170	0.174221	9.382978	0.896064	0.999021
3833	0.859820	0.571900	0.571900	0.145467	1.405791	0.517501	0.555996	0.930185
3834	1.062494	0.964566	0.964566	0.737872	0.335167	0.415470	1.576179	0.892247
3835	0.876985	0.706803	0.706803	0.927495	0.697423	0.321518	1.028444	0.934384
3836	1.058312	0.734228	0.734228	0.630044	0.583537	0.456433	0.581047	1.300390
3837	1.137229	1.124486	1.124486	0.819961	0.518939	0.174908	0.816684	0.905048
3838	0.976571	1.412408	1.412408	1.112256	0.796267	0.238104	0.532865	1.008451
3839	1.032278	0.981662	0.981662	1.044862	0.310026	0.187202	1.056832	0.985463
3840	1.195631	0.816519	0.816519	0.938337	1.480228	0.524404	0.689604	1.451116
3841	0.896012	1.288196	1.288196	0.985524	1.639601	0.539006	3.139214	1.292441
3842	1.145763	0.819796	0.819796	0.605644	0.334321	0.719811	1.711997	1.542088
3843	1.037898	0.867363	0.867363	0.379639	1.548141	1.731657	1.854777	0.972053
3844	0.950472	0.892163	0.892163	0.680431	0.164640	0.828322	0.652589	1.271382
3845	0.924883	1.437581	1.437581	0.717940	0.343828	1.247374	1.351139	1.228468
3846	1.128066	1.232874	1.232874	0.663197	0.538122	2.600600	1.442192	1.004722
3847	0.922439	0.996057	0.996057	0.464964	1.002695	3.100481	1.068254	1.354932
3848	0.943342	0.828389	0.828389	0.699269	0.254617	0.816772	2.445737	1.040655
3849	0.933613	1.256844	1.256844	0.602043	0.395338	0.635845	0.822197	0.852271
3850	0.960279	0.751868	0.751868	0.728415	0.416640	1.221616	1.867010	1.486600
3851	0.995010	0.768734	0.768734	0.757361	1.362378	0.636715	0.506686	1.427246
3852	0.967621	0.842628	0.842628	1.115887	2.291105	2.765660	0.583681	1.202064
3853	0.866687	1.019114	1.019114	0.916371	0.585324	0.303675	1.002043	1.116658
3854	0.965621	0.792866	0.792866	0.891571	1.601035	0.405427	1.418511	1.061238
3855	1.112331	0.876977	0.876977	0.995747	0.229367	1.691793	2.135582	0.878259
3856	1.164131	0.614876	0.614876	0.549186	0.488292	0.547249	0.851879	1.435684
3857	1.162091	1.238731	1.238731	1.021941	1.032785	0.411757	0.992549	1.345442
3858	0.941708	1.235382	1.235382	0.752034	0.109541	0.952250	1.231445	0.843070
3859	1.118796	0.811982	0.811982	1.030706	0.550687	0.278175	0.990183	1.578792
3860	0.866307	0.718927	0.718927	1.044209	1.517872	1.953104	1.876076	1.408940
3861	1.091126	0.922032	0.922032	0.993567	3.048144	0.342901	3.209496	0.908199
3862	0.937947	1.046830	1.046830	0.737761	0.608455	0.378134	0.565325	1.335904
3863	1.084971	0.705264	0.705264	1.043867	0.717777	1.767636	0.615153	0.990516
3864	0.955790	1.272976	1.272976	1.141364	0.349151	0.790108	1.941801	1.256500
3865	0.912446	0.996909	0.996909	0.545939	1.460441	0.267999	0.774278	0.882024
3866	0.900442	0.941183	0.941183	0.884358	0.601899	2.852802	1.362204	1.270163
3867	1.069906	0.964156	0.964156	0.894231	1.947882	0.556088	0.861625	1.335235
3868	0.898889	1.175335	1.175335	0.834195	1.109712	0.362891	1.603990	0.940269
3869	1.043359	0.790568	0.790568	0.606813	0.309456	0.179849	3.078157	1.160450
3870	1.007008	0.956077	0.956077	0.886033	1.866350	1.636936	1.085856	1.512570
3871	0.889686	1.188187	1.188187	1.055999	0.521157	0.291094	0.892038	0.943408
3872	0.852051	0.663382	0.663382	0.929980	0.330807	2.643503	0.604397	1.294564
3873	1.061523	1.206749	1.206749	0.962619	0.289834	0.570645	3.829127	0.948823

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3874	0.896120	0.471556	0.471556	1.107897	0.687277	0.541658	0.508791	1.089228
3875	0.776852	1.231094	1.231094	0.628692	2.541317	0.445215	0.586479	1.393985
3876	1.252646	1.017390	1.017390	0.783382	0.705513	0.624087	5.969717	1.122784
3877	1.096266	1.333153	1.333153	0.832839	1.272572	0.154716	0.588563	0.987874
3878	1.141660	0.929499	0.929499	0.686855	0.500848	2.378795	1.794049	1.496183
3879	0.879547	1.231835	1.231835	1.143444	1.159360	0.904628	4.937308	1.113338
3880	0.922858	0.984843	0.984843	0.906865	0.693440	0.811117	0.628565	1.376566
3881	0.775173	1.123834	1.123834	0.499250	1.321368	3.001977	3.189818	1.450678
3882	1.022423	0.878569	0.878569	1.074043	0.379287	0.537738	0.960629	1.213215
3883	0.878875	1.173849	1.173849	1.080857	0.539980	0.147500	0.565013	0.839242
3884	1.086109	0.804127	0.804127	1.120859	0.562925	0.298234	1.433183	1.079886
3885	0.830860	0.876919	0.876919	1.138483	0.943606	1.447176	1.684509	1.178125
3886	1.088345	1.131406	1.131406	0.956473	1.191019	0.752676	3.991022	1.436212
3887	0.986176	1.003192	1.003192	0.939423	0.758950	0.362884	1.234600	1.113415
3888	0.974692	1.216433	1.216433	0.666492	0.411436	1.658099	0.508320	1.125801
3889	0.954082	1.204961	1.204961	1.028405	2.104783	0.828627	0.533449	1.219584
3890	1.016878	0.847068	0.847068	0.975516	2.303969	0.336454	1.158211	1.534338
3891	0.732626	1.278231	1.278231	0.995653	0.142756	2.799384	0.673545	1.618068
3892	0.982090	1.151386	1.151386	0.933891	2.050108	5.234594	2.584498	1.366770
3893	0.971188	1.379678	1.379678	0.998269	2.817082	0.491800	0.770722	0.957761
3894	0.967190	0.987847	0.987847	0.421140	0.577238	1.483400	1.181979	0.970645
3895	0.960397	1.135325	1.135325	0.802837	0.688921	0.535876	0.561202	1.070218
3896	1.054501	0.669414	0.669414	0.694164	1.108370	0.230772	1.876692	0.974438
3897	0.874246	0.689221	0.689221	1.014254	0.802555	0.887976	0.681684	1.347501
3898	0.888051	0.927331	0.927331	0.672948	0.504345	0.263836	2.313537	0.908061
3899	1.070154	1.212017	1.212017	0.919621	0.469942	0.711914	1.830541	0.922639
3900	1.194853	0.643093	0.643093	0.472241	0.734167	0.153320	1.326301	0.941176
3901	1.051532	1.088863	1.088863	1.058779	0.159936	0.511052	0.950995	1.344621
3902	1.099504	0.931368	0.931368	1.060146	0.648468	0.917091	0.579061	0.954100
3903	0.947958	0.650842	0.650842	1.032191	0.998782	3.079780	1.394487	0.987776
3904	0.891491	1.348094	1.348094	1.130105	1.011309	3.158632	0.645019	1.237184
3905	1.008936	0.944657	0.944657	0.564819	0.582178	1.335940	0.754990	1.162198
3906	0.984355	1.339755	1.339755	0.979058	0.542404	0.587901	3.291499	0.982228
3907	0.879180	0.807666	0.807666	0.758526	0.813679	0.469775	3.876286	1.003323
3908	1.164981	0.922160	0.922160	1.139609	1.046033	2.055830	0.599993	1.186296
3909	0.998498	0.867055	0.867055	0.953207	0.319934	2.553203	0.748159	1.219913
3910	0.759463	0.534870	0.534870	0.597570	1.355645	0.319775	0.884981	1.391864
3911	0.973096	1.113112	1.113112	0.927537	1.233873	1.485313	1.097937	1.610471
3912	0.919352	0.755367	0.755367	1.062850	0.983756	1.179411	1.698369	1.288443
3913	0.964450	0.941772	0.941772	0.755304	1.175154	0.249197	0.636186	1.504123
3914	1.092947	1.008237	1.008237	0.574791	2.308162	0.560104	1.742393	1.122590
3915	1.013139	0.760563	0.760563	0.974754	2.912728	0.431766	1.127945	1.114345
3916	0.947214	0.660093	0.660093	0.935946	1.651815	0.366856	0.677289	1.253930
3917	0.954238	0.615603	0.615603	1.013938	0.393238	0.702766	1.480901	1.129202
3918	1.086842	1.145754	1.145754	0.411060	1.014914	2.088591	0.871552	1.237563
3919	1.097158	1.218543	1.218543	0.755867	0.273981	0.176770	4.365889	1.017156
3920	0.892425	0.774699	0.774699	0.747649	1.191031	0.850404	1.233934	0.970895
3921	0.996775	1.385447	1.385447	0.767965	1.724667	1.377955	1.180257	1.570008
3922	0.847621	0.715718	0.715718	1.003527	0.945243	0.408173	1.131979	1.122793
3923	0.916742	1.000821	1.000821	0.702307	1.287783	1.056445	1.344187	1.445526
3924	0.919668	0.939574	0.939574	1.098857	1.192559	0.744441	1.477322	1.268736
3925	0.953435	1.180447	1.180447	0.761995	2.717305	0.673842	2.429644	0.994213
3926	1.143877	0.786228	0.786228	0.809348	0.304065	2.553228	0.962911	0.965301
3927	1.082915	0.976666	0.976666	1.129595	0.425437	0.167292	0.853350	1.553273
3928	1.122566	0.963130	0.963130	1.087333	0.915188	2.986666	4.241175	1.270840
3929	0.983199	0.939272	0.939272	1.086415	0.936870	0.779351	1.118953	1.048856
3930	1.029985	1.151805	1.151805	1.092287	0.693794	0.861030	0.999312	1.546642

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3931	1.059382	1.391152	1.391152	0.918380	0.813463	1.809455	0.793819	1.380450
3932	0.957717	0.854002	0.854002	0.543733	0.402948	0.766640	2.603691	1.302355
3933	0.952185	1.272305	1.272305	0.883782	1.530206	0.796224	1.491462	1.484337
3934	0.817350	0.937190	0.937190	1.128505	1.094548	1.069752	0.620640	1.547635
3935	0.809141	0.866774	0.866774	0.882584	0.199783	0.666039	0.969655	0.936494
3936	1.042941	0.578992	0.578992	0.823747	0.585999	0.752929	1.949022	1.024399
3937	1.030495	0.461305	0.461305	0.775921	0.702924	1.773798	0.597387	1.296029
3938	0.963710	0.327338	0.327338	1.117069	0.841096	0.600301	2.602414	1.565370
3939	0.843357	1.110839	1.110839	0.590894	0.795044	0.481342	1.251173	0.971477
3940	1.075353	1.195989	1.195989	0.920646	2.127358	0.923672	0.505592	1.000663
3941	0.935321	0.831577	0.831577	0.670584	0.248842	1.643660	1.245903	1.054155
3942	0.808800	0.835953	0.835953	0.808232	0.274917	1.387676	0.503781	0.819207
3943	1.099930	0.946789	0.946789	0.566357	0.422542	0.726574	3.634587	1.598966
3944	1.042381	1.188628	1.188628	0.597366	0.216363	1.183603	1.302558	1.177207
3945	0.926647	1.338490	1.338490	1.014086	0.674789	0.666736	0.739951	0.895332
3946	1.015729	0.866609	0.866609	0.844922	0.539846	2.483660	0.851047	1.203128
3947	1.201881	0.890459	0.890459	0.986971	0.445565	0.915542	1.548652	1.386621
3948	0.972222	0.937003	0.937003	0.758871	3.158418	1.145256	1.487402	0.920975
3949	1.164997	0.850739	0.850739	0.830672	0.810614	0.172091	0.618570	0.969107
3950	0.962025	1.312526	1.312526	0.738879	0.546900	0.392613	0.802903	1.256159
3951	0.950090	1.225953	1.225953	0.636934	1.327733	1.363516	0.798737	1.056095
3952	0.934914	0.505925	0.505925	1.062940	2.201799	0.529744	4.955828	1.050579
3953	0.974548	0.968176	0.968176	1.078889	1.051236	1.923396	1.561264	1.193537
3954	1.061807	1.044751	1.044751	0.396620	0.165324	2.851155	0.925616	1.103967
3955	1.105784	0.872171	0.872171	0.604985	0.540707	0.248615	0.584355	0.775269
3956	0.991234	1.195962	1.195962	0.999393	0.259428	0.148339	0.955533	1.009080
3957	1.045388	0.993612	0.993612	0.767881	1.096772	1.542689	0.763443	1.066596
3958	0.991974	0.873396	0.873396	0.801015	1.709872	0.786702	0.620586	1.555977
3959	1.130063	1.310568	1.310568	0.802424	1.194127	0.337123	1.224758	1.111786
3960	1.016840	1.227835	1.227835	0.883041	0.919439	1.471397	2.042117	1.620708
3961	1.022777	1.046114	1.046114	0.474144	0.932527	0.406927	0.550753	1.170683
3962	1.068284	1.061723	1.061723	0.828050	0.937339	0.856973	0.699624	1.097336
3963	0.962686	1.007616	1.007616	0.675142	0.435452	0.116243	3.696656	0.938754
3964	0.910273	1.045451	1.045451	1.018911	1.481584	0.877501	1.414677	1.004943
3965	1.010486	0.851985	0.851985	1.103216	2.026258	4.186420	0.549770	0.973677
3966	0.996618	1.327021	1.327021	0.743215	0.528502	0.713505	2.206663	1.174028
3967	1.027543	0.815146	0.815146	0.619625	0.805992	0.249208	0.545562	1.288855
3968	1.173405	1.220534	1.220534	0.720564	0.924976	0.728142	0.765666	1.610696
3969	1.122796	0.856948	0.856948	1.095535	1.997008	2.139719	0.725130	0.967936
3970	0.988411	0.812427	0.812427	0.100311	0.359453	9.362838	1.611585	1.084061
3971	0.988243	1.345937	1.345937	0.746401	1.599279	0.515307	0.553996	1.187879
3972	0.791805	1.194696	1.194696	0.615813	0.652845	0.497990	0.673063	1.037268
3973	0.839054	0.730613	0.730613	0.855197	1.102058	1.256420	0.547123	0.921363
3974	0.994618	0.866268	0.866268	1.039584	0.180389	0.857934	0.860185	1.321041
3975	1.257252	1.056246	1.056246	0.827385	1.617230	0.218268	2.276651	1.158143
3976	1.009339	0.972485	0.972485	0.974229	1.098832	0.278946	1.114790	0.853078
3977	0.799146	0.922538	0.922538	0.943592	1.574471	0.951011	0.522374	1.218912
3978	1.034967	0.936936	0.936936	1.094340	0.537719	0.249473	0.704115	0.793054
3979	1.119438	1.288737	1.288737	1.141796	1.417705	1.276336	0.679091	1.260058
3980	0.889207	1.377249	1.377249	1.083651	0.615950	1.341990	1.032316	0.942125
3981	1.009121	1.010024	1.010024	0.625890	2.837513	0.540189	1.703518	0.957244
3982	1.148641	1.122424	1.122424	1.014792	0.909831	1.047160	2.925035	1.674950
3983	0.982114	0.581065	0.581065	0.933205	1.312934	0.121976	2.899395	1.673450
3984	1.092701	1.274360	1.274360	0.961405	0.711191	0.790616	5.132288	1.078830
3985	0.871008	0.755421	0.755421	0.931238	1.168213	1.312887	0.618904	1.361986
3986	1.231423	0.927712	0.927712	1.127982	2.110194	0.440313	0.734794	0.942980
3987	0.987493	1.104474	1.104474	0.978410	1.037812	1.198388	0.962526	1.293026

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
3988	1.089771	0.652969	0.652969	0.931942	0.935977	0.657287	2.318324	0.790719
3989	0.986392	1.054676	1.054676	0.850594	0.364278	0.579165	3.883716	1.047397
3990	0.994382	0.709746	0.709746	0.477989	1.965658	0.674613	1.838417	1.267068
3991	0.985912	1.057018	1.057018	0.793586	2.813570	0.576664	1.573592	1.419393
3992	1.041787	0.864785	0.864785	1.111458	1.347358	0.139621	1.018049	1.122308
3993	0.791878	0.682439	0.682439	0.818165	0.598576	0.113171	2.037443	1.495007
3994	0.896798	1.142402	1.142402	0.627066	0.550977	0.832313	3.818480	1.361511
3995	0.925234	1.124536	1.124536	0.907227	0.812988	1.760197	0.537451	1.109082
3996	0.898037	0.867393	0.867393	0.748807	0.450983	1.253339	0.858524	0.795847
3997	0.929179	0.982686	0.982686	1.116031	0.561792	0.401240	0.567804	1.350188
3998	1.194021	0.595014	0.595014	1.101103	0.818282	1.028294	0.964410	1.367508
3999	0.964995	1.253876	1.253876	0.971488	0.384836	1.146251	0.761242	0.940401
4000	1.087543	1.241361	1.241361	0.882599	0.970840	0.601574	0.793348	1.463685
4001	0.917498	0.707702	0.707702	0.769995	1.971720	0.476967	3.963632	1.093091
4002	0.996119	0.950692	0.950692	0.542476	0.698003	0.292809	0.831355	0.941357
4003	1.181598	0.864439	0.864439	0.898367	3.054577	1.170232	1.282536	1.070282
4004	0.934801	1.369677	1.369677	0.749613	0.505495	0.444335	1.369028	1.095058
4005	0.890192	0.843702	0.843702	0.857461	0.724850	0.963268	2.101099	0.956375
4006	1.030749	1.337218	1.337218	0.885655	1.138356	0.717305	0.882161	1.132798
4007	0.859117	1.051449	1.051449	1.013240	0.226466	1.468386	3.308449	1.120998
4008	1.032478	0.931653	0.931653	1.112970	0.459165	0.761193	5.142891	1.369544
4009	1.028815	1.084476	1.084476	0.480850	0.781832	0.111206	2.075994	1.604049
4010	0.990794	0.870372	0.870372	0.520918	0.473132	0.310542	0.871575	1.126308
4011	1.003688	0.583652	0.583652	0.662859	0.854715	2.285862	0.953381	1.357330
4012	1.000117	1.023787	1.023787	1.076659	0.243470	0.798185	0.636663	1.301499
4013	0.789979	1.225477	1.225477	1.038926	0.790795	0.636627	1.668813	0.893910
4014	0.946076	1.022898	1.022898	0.964104	0.765216	0.094071	0.815890	1.017579
4015	0.802897	1.139896	1.139896	0.931225	0.640443	0.456385	1.210872	1.284076
4016	1.166728	0.775445	0.775445	0.986059	0.929773	7.056039	1.879657	1.244962
4017	1.114339	1.269783	1.269783	0.713035	1.259328	1.058646	1.083648	1.281824
4018	1.106520	1.107791	1.107791	0.946118	0.458732	1.170841	0.823467	0.973284
4019	1.067638	1.017724	1.017724	1.075054	0.982249	0.297485	0.572988	1.334756
4020	0.970210	0.452284	0.452284	1.056260	0.608863	0.446072	1.092877	1.393316
4021	0.984130	0.698927	0.698927	0.828289	1.264656	0.856368	0.601289	1.178026
4022	0.935097	1.026502	1.026502	0.977292	0.494493	0.870492	1.979773	1.017851
4023	0.902068	0.775614	0.775614	1.100196	2.542567	2.094849	4.185792	1.001481
4024	0.976247	1.379515	1.379515	0.473188	0.603415	1.318169	1.076503	0.868976
4025	0.999814	1.113075	1.113075	1.093222	2.985930	0.192254	0.558650	1.376391
4026	1.040564	1.159261	1.159261	0.941321	0.697862	0.817760	0.903143	1.024302
4027	1.001708	0.874586	0.874586	0.896757	0.312171	0.430895	1.319017	1.270038
4028	1.001206	0.624403	0.624403	0.621981	2.474116	0.250339	0.844762	1.121815
4029	0.972705	1.096021	1.096021	0.965800	0.218366	1.235891	2.492800	0.947428
4030	1.020589	0.748678	0.748678	0.325447	1.686381	0.138112	0.900066	1.683224
4031	0.984827	0.902571	0.902571	0.867337	1.643577	0.917384	0.624486	1.115171
4032	0.960237	0.869783	0.869783	1.034178	1.953728	0.869348	1.247306	1.018477
4033	1.202945	0.858978	0.858978	1.028500	0.330028	0.331140	1.162709	1.071388
4034	1.074716	1.063573	1.063573	0.994249	0.239322	0.933311	0.680634	1.592953
4035	1.046497	0.979433	0.979433	0.892175	0.346229	1.805622	1.028317	1.322013
4036	1.112635	0.830875	0.830875	1.061917	1.236186	1.708479	0.557870	0.813204
4037	0.980070	0.930982	0.930982	0.950895	0.244271	0.413922	0.666488	0.923957
4038	0.819931	1.014678	1.014678	0.820496	0.208283	0.381485	1.394159	0.910605
4039	1.158411	0.874820	0.874820	0.844167	2.171456	0.903574	2.381296	1.140819
4040	0.970713	1.043725	1.043725	0.921815	0.485408	0.599453	2.434166	1.206644
4041	0.868081	0.826992	0.826992	0.853451	1.718310	0.172698	0.631155	1.591886
4042	0.998313	0.809057	0.809057	0.710536	1.283177	2.284875	3.518326	1.286596
4043	0.979928	1.161048	1.161048	0.575554	1.477807	0.403452	1.620645	1.103443
4044	0.848611	1.328111	1.328111	0.982871	2.906747	1.619080	4.079707	1.508575

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4045	0.853631	0.938841	0.938841	0.952833	2.265079	0.543016	1.738006	0.994618
4046	1.002511	1.425592	1.425592	0.955312	0.664868	0.401290	1.139131	0.995534
4047	0.832222	0.917752	0.917752	0.916283	1.092052	0.602509	4.041142	0.850625
4048	1.051053	0.569872	0.569872	0.971825	1.721423	1.745663	1.737423	1.187253
4049	0.963108	1.149807	1.149807	0.900052	1.611554	1.102590	0.589581	1.266052
4050	1.122176	0.737733	0.737733	0.981269	1.448440	0.494020	0.952816	0.854109
4051	1.108156	0.926588	0.926588	0.785321	0.935115	0.239493	0.915743	1.204869
4052	0.879490	1.012977	1.012977	0.655728	1.693156	0.430260	0.762607	1.556769
4053	1.075822	1.299722	1.299722	1.093010	0.241955	1.357504	1.090817	1.085279
4054	1.017543	0.975159	0.975159	0.567294	0.757859	0.903600	0.546971	1.343281
4055	1.094817	0.832153	0.832153	0.601264	2.912174	0.653618	1.373870	1.046201
4056	0.971378	0.833263	0.833263	0.974984	1.634816	0.608218	1.065025	1.338450
4057	1.021550	1.060497	1.060497	0.626899	0.177728	0.088919	1.239820	0.961482
4058	1.038510	0.986279	0.986279	0.987899	0.314447	0.228589	1.324277	1.359712
4059	1.253485	1.011449	1.011449	0.889725	1.580696	1.796951	1.508242	0.843818
4060	1.151081	1.120626	1.120626	0.643716	0.751451	0.589893	0.813292	1.080359
4061	0.856393	1.018286	1.018286	1.072900	0.110724	0.516027	0.898647	1.113311
4062	0.972084	0.958243	0.958243	0.864827	0.868935	0.315044	0.884923	1.046831
4063	0.994546	0.976288	0.976288	0.999051	0.106526	0.238539	0.620756	1.167139
4064	0.868076	0.884675	0.884675	0.981966	1.766581	0.839548	2.081066	1.172278
4065	1.065359	0.820530	0.820530	0.978441	1.388404	0.936220	0.755057	1.101377
4066	1.043003	1.109180	1.109180	1.093171	0.676873	0.539492	1.125649	0.992261
4067	1.013731	1.122368	1.122368	1.028906	0.614381	0.597608	1.924235	0.975493
4068	0.942186	0.616258	0.616258	0.705129	2.901942	0.273600	2.052275	1.031924
4069	0.932681	1.328782	1.328782	0.722714	1.395561	0.387657	3.325871	0.958105
4070	1.121699	1.020765	1.020765	1.035687	1.171801	0.644759	2.458423	0.908117
4071	0.967277	0.710533	0.710533	0.846278	0.206586	0.159389	0.549667	0.984711
4072	1.107033	0.856902	0.856902	0.829926	1.317206	2.461296	0.954369	1.637659
4073	0.867904	0.870206	0.870206	0.727267	1.379728	1.376749	1.163019	1.041139
4074	0.956082	1.227977	1.227977	0.540581	1.213234	3.040039	1.666506	1.045575
4075	1.072841	1.186814	1.186814	0.585476	1.047083	0.252239	2.114755	1.004635
4076	0.953385	0.871933	0.871933	0.901296	0.354056	0.498442	1.038963	1.005680
4077	0.898190	0.765676	0.765676	0.783850	0.593361	1.066612	1.520985	1.114272
4078	0.896897	0.867965	0.867965	0.762438	1.112147	0.323445	0.586595	0.840396
4079	0.943798	1.123874	1.123874	0.682961	0.522616	2.424433	1.003805	0.997190
4080	1.046386	0.657378	0.657378	0.310176	0.287399	0.592458	0.515366	1.138161
4081	0.891081	0.990523	0.990523	1.107356	0.301385	0.120252	0.670988	1.365169
4082	0.964258	1.114326	1.114326	0.638366	0.637749	0.088083	0.541349	1.364157
4083	1.038369	0.669224	0.669224	0.481399	1.283652	2.368790	0.664977	1.034059
4084	1.024340	0.493772	0.493772	0.954395	0.562535	0.167983	0.571563	1.398817
4085	0.890765	1.098538	1.098538	0.483716	0.422302	1.220622	1.298382	0.958415
4086	0.945152	0.672755	0.672755	0.728747	1.065638	0.198127	2.170454	0.945147
4087	1.032753	0.668299	0.668299	0.588215	0.195880	0.757920	0.735515	0.934739
4088	1.082809	1.098755	1.098755	0.868863	1.586295	0.198637	3.577244	1.107912
4089	0.930828	0.942324	0.942324	0.456739	0.422517	1.079365	0.982457	0.873408
4090	1.057640	1.093648	1.093648	0.862439	0.591916	1.148211	0.990522	1.545454
4091	0.935601	1.144711	1.144711	1.067698	0.873090	0.090546	1.189618	1.073739
4092	1.111835	1.358336	1.358336	0.903395	0.344080	1.053042	4.999968	1.044872
4093	1.018708	0.937163	0.937163	0.547508	2.146898	1.140245	1.352595	1.014671
4094	0.994070	0.996652	0.996652	1.116214	0.156437	1.429548	1.675273	1.326087
4095	0.994460	0.797023	0.797023	1.102248	0.576144	1.454587	1.143271	1.105548
4096	0.833489	1.421122	1.421122	0.984678	0.801528	0.134649	1.525485	1.195565
4097	1.054716	0.995590	0.995590	1.132137	0.608164	0.856787	0.995362	1.400061
4098	1.074089	0.802333	0.802333	0.861267	2.025999	0.845426	0.913395	0.962146
4099	0.915683	1.145295	1.145295	0.937777	0.477084	1.396240	0.610093	1.643878
4100	0.979695	1.202690	1.202690	1.101914	0.466649	1.488171	3.981145	1.073002
4101	0.953152	0.989903	0.989903	0.627373	0.525227	0.313516	3.431318	1.534314

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4102	0.936001	0.760441	0.760441	0.643089	2.895048	1.299213	0.960623	0.988717
4103	0.876784	0.907578	0.907578	0.820531	1.639365	0.814527	1.047893	1.229641
4104	1.090785	0.939129	0.939129	0.576377	0.625758	0.523173	3.278606	0.915574
4105	1.000572	0.832981	0.832981	0.924013	0.182659	0.096319	0.897574	1.026560
4106	1.024417	0.955119	0.955119	0.885042	0.229950	1.506601	1.681732	1.664098
4107	1.015083	0.824738	0.824738	0.701120	1.162436	0.394413	1.011887	1.340144
4108	1.082096	1.155220	1.155220	1.033094	0.724236	0.732291	0.638061	1.285052
4109	0.837000	1.026775	1.026775	0.861932	2.210873	1.206191	0.675368	1.354913
4110	1.087893	1.201958	1.201958	0.912573	0.666230	0.218424	1.787397	1.161728
4111	1.143024	1.236409	1.236409	0.768640	2.327818	1.385114	2.296596	1.283522
4112	0.963791	0.920724	0.920724	1.081901	0.361955	0.388812	1.144746	1.210948
4113	0.790508	1.338461	1.338461	0.870407	2.300335	0.799313	5.156627	1.314009
4114	0.991856	0.737358	0.737358	1.044239	0.561745	0.840310	1.024177	1.204849
4115	0.963895	0.894069	0.894069	0.775218	0.751592	1.200860	0.610333	0.823436
4116	0.971464	0.922404	0.922404	1.102505	0.530785	0.212590	1.934283	0.881801
4117	0.903066	0.830862	0.830862	0.952869	0.366704	0.547679	0.581708	1.434470
4118	0.997538	0.810061	0.810061	0.999071	0.246160	1.678465	0.556437	1.109057
4119	1.025518	0.866167	0.866167	1.004379	1.425267	0.576635	0.536132	1.276912
4120	0.983882	1.371892	1.371892	0.824903	0.834162	0.658983	0.582200	1.467377
4121	1.030574	1.258417	1.258417	0.943571	1.116032	0.320296	0.544229	1.236782
4122	1.085478	1.269783	1.269783	0.940952	0.762558	1.390561	2.066599	1.134734
4123	0.944395	0.751666	0.751666	0.554230	0.634284	1.378406	1.216583	1.311799
4124	1.075214	1.054411	1.054411	0.752289	0.516165	0.105336	1.144246	1.120881
4125	1.088132	0.968297	0.968297	0.906122	0.174007	1.349117	0.591931	1.010950
4126	0.914032	1.205989	1.205989	0.339198	0.699834	1.417559	1.431434	1.186495
4127	1.064878	0.699561	0.699561	0.982269	0.399481	0.546466	3.045805	1.193068
4128	0.973487	0.903922	0.903922	1.136531	0.220318	0.492444	1.291608	1.402420
4129	0.966928	1.012143	1.012143	0.779065	1.484424	0.164015	0.668332	0.876767
4130	0.897021	0.960886	0.960886	0.910488	0.610349	0.265677	0.790801	1.294343
4131	1.019136	0.632875	0.632875	0.932763	1.118722	0.533824	1.415887	1.330896
4132	1.055030	0.847681	0.847681	0.656888	0.619600	0.588519	1.107561	1.323611
4133	0.958170	1.231106	1.231106	1.068384	0.334300	0.291027	0.884986	1.044915
4134	1.156906	0.854245	0.854245	0.824633	0.273623	2.523115	1.465552	1.540627
4135	1.090686	1.067383	1.067383	0.974554	0.224800	0.221017	4.800748	1.460266
4136	1.034329	0.882911	0.882911	0.940611	0.644997	0.565804	1.174982	0.849184
4137	0.892376	1.293226	1.293226	0.934833	0.815363	0.133876	2.540140	1.085369
4138	0.986155	1.205758	1.205758	0.801565	0.862172	1.508543	2.970581	1.269588
4139	1.143014	0.871177	0.871177	0.332481	1.479754	0.778429	0.907442	0.801290
4140	1.170276	1.085428	1.085428	0.979558	2.248493	0.467348	1.374207	1.310778
4141	1.016014	0.712862	0.712862	0.926100	1.440075	0.564444	0.693544	1.099843
4142	0.945827	1.430162	1.430162	1.143947	0.487982	1.672731	0.505104	1.040267
4143	1.021224	0.893652	0.893652	0.281443	0.549037	0.672429	0.562454	1.441558
4144	0.929925	0.686719	0.686719	1.004771	0.709696	0.289389	5.455644	1.284054
4145	1.034177	1.184962	1.184962	0.653935	0.354120	0.428196	0.672464	1.148243
4146	0.872197	0.637435	0.637435	0.759607	1.698070	2.012568	1.974469	1.111156
4147	0.852022	1.011528	1.011528	0.447611	0.547644	0.198433	0.602814	1.118152
4148	1.014610	1.370712	1.370712	1.017464	3.015926	0.218793	0.501098	1.459523
4149	0.933489	0.984470	0.984470	0.522748	2.405533	0.254701	0.578704	1.121143
4150	0.978324	0.934137	0.934137	1.081548	0.569796	0.270643	0.720771	1.262446
4151	0.958372	0.948762	0.948762	0.738865	0.792132	1.479478	0.596215	1.273332
4152	1.039990	0.702907	0.702907	0.741211	0.228012	0.253167	0.518752	1.081893
4153	0.944161	0.767785	0.767785	0.643905	0.943414	1.834926	1.675813	1.076873
4154	0.969934	1.163663	1.163663	1.105107	0.643738	2.210764	0.664292	1.208409
4155	0.847315	1.246233	1.246233	1.134167	0.523061	0.285347	2.004987	1.054624
4156	0.944908	1.277175	1.277175	0.858292	0.884306	0.831009	0.733562	1.458143
4157	1.025106	1.008750	1.008750	0.697663	0.771239	0.320246	1.412287	1.039370
4158	1.078922	1.046695	1.046695	0.416700	0.471918	0.527635	2.397861	1.037615

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4159	1.020402	1.255395	1.255395	0.827371	0.224818	0.788211	1.076603	0.942557
4160	0.887503	1.104710	1.104710	0.648886	0.822485	0.447486	4.006243	0.940767
4161	0.861298	1.018462	1.018462	1.076837	0.351460	1.841720	1.662511	1.351839
4162	1.083027	0.884755	0.884755	1.055436	0.727323	1.392999	0.981000	1.129499
4163	0.799635	0.832095	0.832095	0.677412	0.415646	0.817536	0.735660	0.941726
4164	0.851224	0.987412	0.987412	0.632201	0.722772	0.415463	1.841180	1.019450
4165	1.067314	0.765004	0.765004	1.050144	0.469562	0.313386	3.414946	0.792125
4166	0.762168	0.809854	0.809854	1.064189	0.344650	6.168458	0.856997	1.233874
4167	0.953291	1.068472	1.068472	0.919970	0.428294	1.155070	2.261630	1.302486
4168	0.987700	0.743671	0.743671	1.018999	0.576110	0.177890	1.397865	1.223724
4169	0.911007	0.496771	0.496771	0.938692	0.629576	1.730041	1.456883	0.983277
4170	0.998789	0.940418	0.940418	0.745196	0.606472	0.481176	1.390691	1.594600
4171	0.951822	1.160846	1.160846	0.800266	0.232128	0.879236	0.655949	1.058687
4172	0.958574	1.064846	1.064846	0.871571	1.106464	0.526877	0.742337	1.319541
4173	0.915604	0.474253	0.474253	0.441555	1.460309	0.121856	4.655965	0.941210
4174	0.886403	1.255659	1.255659	1.054712	0.411210	0.586253	0.569614	1.463508
4175	1.000916	0.836456	0.836456	1.043303	0.778642	0.197715	0.918067	1.517810
4176	1.085164	1.347923	1.347923	0.762861	0.600227	0.473048	0.665172	0.875219
4177	1.050309	1.083339	1.083339	1.057214	0.613713	0.668060	0.552583	1.077964
4178	1.007748	1.312363	1.312363	0.890718	0.627315	3.643351	2.477743	1.473368
4179	0.954476	1.190803	1.190803	1.143989	0.238842	0.528419	2.244870	0.969826
4180	0.970518	0.881908	0.881908	1.105117	0.830654	7.054181	1.388343	1.202546
4181	0.902562	0.790303	0.790303	0.813005	0.438757	0.605000	1.060165	1.413125
4182	0.921507	1.331054	1.331054	0.605322	0.775335	0.241931	0.753393	1.071028
4183	0.985946	1.025157	1.025157	0.469435	0.262630	1.175532	1.530335	1.071379
4184	1.087606	1.417821	1.417821	0.674206	0.426357	4.143155	5.137992	0.959636
4185	1.006761	1.138696	1.138696	1.068447	0.814560	0.918614	3.718900	1.386923
4186	1.000915	0.978986	0.978986	0.860479	0.632978	0.378539	0.770958	1.468409
4187	1.119994	0.501079	0.501079	0.639581	0.550680	3.472135	1.498046	1.015757
4188	0.997917	0.981184	0.981184	0.916247	2.126782	0.119083	0.632124	1.059168
4189	0.951776	1.004285	1.004285	0.804623	0.800810	1.485454	0.755942	1.555191
4190	0.891191	1.236222	1.236222	1.012057	0.780935	0.610554	0.894191	0.960176
4191	0.917222	0.692747	0.692747	0.742210	1.100453	0.873638	1.304227	1.005775
4192	0.998582	0.735937	0.735937	1.118655	2.487242	0.170806	1.249278	1.409042
4193	1.048890	1.005003	1.005003	1.135232	0.960280	0.718239	1.484271	1.286497
4194	1.341792	1.247109	1.247109	0.958799	0.717564	0.960387	0.534316	1.332164
4195	1.071167	1.069703	1.069703	0.946076	2.525904	0.910746	1.105201	1.208510
4196	1.080219	0.768201	0.768201	0.397280	0.754178	0.338505	2.581456	1.068816
4197	0.879121	1.182879	1.182879	0.629108	0.194080	0.722031	0.583938	1.187669
4198	0.900344	1.087600	1.087600	0.829357	0.562574	0.560312	1.179798	1.106814
4199	1.188976	1.204781	1.204781	1.029431	0.259174	0.525345	1.071046	1.454253
4200	1.056067	1.047467	1.047467	0.873071	0.603115	1.507310	1.386026	1.559508
4201	0.983272	0.727059	0.727059	0.726441	0.246156	0.316811	1.898213	1.252388
4202	0.789228	0.812217	0.812217	0.728627	0.986435	0.445550	0.582686	1.161927
4203	1.049625	0.926285	0.926285	0.399517	0.446082	3.436839	0.536157	1.351897
4204	0.878518	0.597159	0.597159	0.679442	0.161009	0.696521	1.911702	0.789381
4205	1.009832	1.012420	1.012420	1.030315	0.597733	0.461335	0.513683	0.990788
4206	0.814824	1.154157	1.154157	0.642588	1.945540	3.319954	0.869085	0.981940
4207	1.069430	0.538225	0.538225	1.091771	0.380681	0.281382	2.147222	1.052826
4208	0.901341	0.860954	0.860954	0.747143	1.382918	0.140231	1.879329	1.056057
4209	0.715297	1.323675	1.323675	0.852260	2.582738	0.519524	1.726837	1.158463
4210	0.847108	0.776703	0.776703	1.039705	0.299320	2.193730	2.032848	0.952221
4211	0.799727	0.701066	0.701066	0.855509	0.542156	0.249813	1.318007	1.208569
4212	0.809320	0.991333	0.991333	0.769716	0.255370	0.264088	1.162622	0.941994
4213	0.872141	1.167185	1.167185	0.910289	0.355651	1.136826	2.030991	1.320620
4214	1.109426	1.207314	1.207314	0.935840	0.242585	0.450557	2.140690	1.249055
4215	1.118496	1.280251	1.280251	0.562047	1.133341	1.404440	2.010927	1.157232

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4216	0.963334	1.105049	1.105049	0.847627	0.215097	0.715221	1.572375	1.460741
4217	1.025943	1.080675	1.080675	1.024894	0.583357	0.174886	0.945978	1.542167
4218	0.843661	0.783464	0.783464	0.754613	1.243951	0.560018	4.082370	1.176176
4219	0.951395	0.920952	0.920952	0.854681	0.309187	0.193012	1.613911	0.817861
4220	0.962537	1.083082	1.083082	0.814507	0.481747	0.116173	0.854334	1.491544
4221	0.929715	0.569372	0.569372	0.781996	1.844213	0.934874	1.682993	1.212582
4222	0.946511	1.085075	1.085075	0.975070	1.373946	0.970310	0.827439	1.446804
4223	1.006074	0.782622	0.782622	0.805260	1.063000	0.534806	0.502575	1.114453
4224	0.996969	0.911482	0.911482	1.033967	1.217756	0.573358	2.792667	1.376156
4225	1.100795	1.110655	1.110655	0.948145	0.464012	0.545106	1.293787	1.344641
4226	1.043764	0.756632	0.756632	1.027780	0.734110	1.541518	0.662654	1.233300
4227	1.041069	1.255083	1.255083	1.016950	2.445722	0.773505	0.918172	1.373168
4228	0.866442	0.930923	0.930923	0.997796	0.394885	1.788496	3.724221	1.093711
4229	0.920937	0.961262	0.961262	0.798773	1.510422	0.523453	0.876999	1.585887
4230	1.217631	1.039783	1.039783	0.960159	1.025520	1.294503	4.812348	1.125089
4231	1.100703	0.797149	0.797149	1.041667	1.209535	0.703411	0.515065	1.667999
4232	1.165211	1.084992	1.084992	0.960683	0.314009	1.305573	2.732931	0.862532
4233	1.021499	0.578893	0.578893	0.737389	0.768674	0.369388	1.742408	1.238495
4234	1.116685	1.157939	1.157939	0.612706	0.211425	1.027599	1.475052	1.491411
4235	0.991451	0.697707	0.697707	0.993244	0.348041	0.674733	0.943358	1.005257
4236	0.898060	1.096201	1.096201	0.952690	1.103781	0.513426	1.537485	0.811298
4237	1.131061	1.054750	1.054750	0.959548	0.205188	3.309537	1.518120	1.509381
4238	0.880825	1.033953	1.033953	0.546323	0.962317	0.769010	0.734650	1.368516
4239	1.110161	1.181545	1.181545	0.842056	1.716765	1.178692	1.998519	1.119806
4240	1.140016	1.334344	1.334344	0.894984	0.468493	0.285098	2.363194	1.180821
4241	1.100590	1.147856	1.147856	1.068036	0.496952	1.270931	1.896834	1.447173
4242	1.059861	1.221059	1.221059	0.963203	0.405620	1.146503	0.715875	0.934537
4243	0.996195	0.596812	0.596812	1.143861	0.382297	1.773599	0.828788	1.528092
4244	0.973420	1.076223	1.076223	0.725760	0.734757	1.936361	1.316445	1.013781
4245	1.091774	0.441763	0.441763	1.048849	0.436832	0.115315	1.631623	1.017141
4246	1.188793	1.074921	1.074921	0.824148	0.975075	0.221738	1.587824	0.882623
4247	1.049345	1.237504	1.237504	1.072048	0.302906	1.001289	1.455750	0.998697
4248	0.892594	0.748616	0.748616	1.141652	0.430852	0.272845	2.170572	1.287082
4249	1.001633	1.139872	1.139872	0.560266	1.060730	0.685637	1.087444	1.366443
4250	0.853128	1.055798	1.055798	0.537152	0.497385	1.102121	1.025137	1.251941
4251	0.986847	1.011848	1.011848	0.993408	0.853551	0.531070	0.543827	1.042955
4252	1.033417	1.389931	1.389931	0.976899	0.200635	0.376111	0.709126	0.940290
4253	1.091623	0.883443	0.883443	0.965498	1.379140	0.343984	1.442527	0.895643
4254	1.020875	1.170980	1.170980	0.676397	0.895001	1.066131	1.803839	1.306485
4255	1.031631	1.065694	1.065694	1.106374	2.872289	0.589903	1.619297	1.114646
4256	1.120254	0.846157	0.846157	1.145434	0.613750	0.329260	2.063918	0.996444
4257	1.026076	1.203693	1.203693	1.041469	0.448802	0.362900	0.527214	1.055921
4258	0.991667	1.110652	1.110652	1.102845	1.787756	0.228784	1.643354	1.175358
4259	1.128419	1.087821	1.087821	0.855625	0.434124	2.356093	0.564494	1.052611
4260	1.124129	0.731595	0.731595	0.637338	0.916017	0.880669	0.621271	0.987231
4261	1.063209	1.266400	1.266400	0.979320	0.616842	4.226233	0.507020	0.929465
4262	0.958152	1.308612	1.308612	0.929128	0.865929	1.124444	1.942627	1.358355
4263	1.009585	1.037342	1.037342	0.819431	0.276936	0.524036	3.181625	1.305927
4264	0.991657	1.366450	1.366450	0.826379	0.143693	2.606379	2.266167	0.965449
4265	1.042051	1.120826	1.120826	1.111574	0.409627	0.369200	0.735485	1.036314
4266	1.052076	1.081012	1.081012	1.059539	0.419208	0.179275	0.917832	1.412242
4267	1.061760	0.694648	0.694648	0.782520	0.465034	0.703415	2.329150	1.401837
4268	0.978151	0.901250	0.901250	0.703136	0.811949	3.029234	3.878011	1.456536
4269	0.982878	0.876691	0.876691	0.906982	2.814013	0.688649	0.570576	1.161739
4270	1.014098	1.204547	1.204547	1.016663	0.313631	0.570038	1.205623	1.082981
4271	0.974956	0.899691	0.899691	0.766337	0.550575	0.153008	3.086579	1.165816
4272	0.989549	0.849998	0.849998	0.830456	0.778914	2.064603	5.047746	1.070791

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4273	1.141134	1.042825	1.042825	1.120970	0.302920	0.492104	0.704398	1.128267
4274	1.030139	0.732800	0.732800	0.706641	1.009677	0.325164	0.536818	1.228529
4275	0.969187	0.990657	0.990657	1.026098	0.505211	0.166955	0.843477	1.313590
4276	1.030704	0.787625	0.787625	0.513852	0.309561	1.681372	0.589658	1.511325
4277	0.935718	1.320071	1.320071	0.827998	0.129414	0.763350	0.780446	1.286588
4278	1.070348	1.038312	1.038312	1.000102	1.371284	0.220113	1.630050	1.230775
4279	1.134738	0.726320	0.726320	0.931154	0.562336	0.612534	1.088784	0.832356
4280	0.884986	0.964385	0.964385	0.508610	0.590516	0.377514	3.790680	0.903990
4281	0.972315	1.183963	1.183963	1.025199	1.793804	0.558234	1.734629	1.007542
4282	1.012570	0.804085	0.804085	0.507443	0.292726	1.522797	0.623074	1.453160
4283	1.225739	1.102576	1.102576	0.718856	1.210120	0.591706	1.075374	1.324236
4284	1.037559	1.319510	1.319510	0.727708	0.884810	0.308709	1.046550	0.984771
4285	0.988593	0.902510	0.902510	1.114638	0.627870	1.143358	0.532993	1.633218
4286	0.860200	0.505578	0.505578	0.933139	0.518813	2.055974	0.790735	1.503619
4287	1.036908	1.193497	1.193497	0.835355	0.449400	0.180250	1.347272	1.172142
4288	1.011493	1.104493	1.104493	0.871319	0.334432	1.146919	0.949550	0.808095
4289	1.088168	1.111108	1.111108	1.125148	0.266217	0.190281	0.937320	1.054922
4290	1.038674	1.332007	1.332007	0.707109	2.242952	0.998661	1.347903	1.004527
4291	0.968235	0.831150	0.831150	0.504077	0.784345	2.771281	1.951368	0.786054
4292	0.817083	0.723840	0.723840	0.687503	0.787297	0.262147	1.340694	1.049215
4293	0.989601	1.008225	1.008225	0.918786	0.415635	2.021250	0.870994	1.198362
4294	0.921864	1.266160	1.266160	0.852022	1.195895	0.298704	0.653483	0.786695
4295	0.866681	0.983572	0.983572	0.891078	0.236177	0.192004	1.002534	1.421158
4296	0.902163	1.436418	1.436418	0.953332	0.759269	1.116754	0.945694	1.126056
4297	0.996310	0.853525	0.853525	0.654489	0.478897	2.121807	1.098086	0.851042
4298	1.016771	1.200376	1.200376	0.713264	0.619079	0.403781	0.644287	1.132447
4299	1.026632	1.203442	1.203442	0.867059	1.163192	0.847873	1.798390	0.917391
4300	1.092579	0.457464	0.457464	1.107397	0.839232	0.313989	0.828425	1.293563
4301	1.264853	0.857494	0.857494	0.727658	0.289513	0.412090	1.246781	0.894504
4302	0.892985	1.150023	1.150023	0.694622	0.480834	0.233988	3.130799	1.003593
4303	0.918329	1.193178	1.193178	1.015737	0.288714	0.624108	2.160552	1.350934
4304	1.081939	1.283631	1.283631	0.989290	0.584805	0.657864	0.546954	0.912393
4305	1.033161	0.964459	0.964459	1.049598	0.661493	0.552438	4.085995	0.946974
4306	1.038353	1.378605	1.378605	0.748203	3.184751	0.707824	3.349830	1.599684
4307	0.903688	0.649032	0.649032	0.328893	0.257793	0.795255	1.500746	1.451267
4308	1.042837	1.266857	1.266857	0.452859	1.394250	0.130701	1.470270	1.604096
4309	1.108275	1.152438	1.152438	1.134094	3.146436	0.785006	1.324527	1.179517
4310	0.943169	0.690051	0.690051	0.740648	1.279370	1.231548	3.827438	1.489590
4311	0.903463	0.831939	0.831939	1.067147	0.870845	2.756592	1.498162	1.218815
4312	0.964934	1.147538	1.147538	1.019848	0.299900	0.586209	1.537713	1.344973
4313	1.019113	0.807550	0.807550	1.120665	2.101042	0.756371	0.805733	1.138817
4314	1.025650	1.095568	1.095568	0.970576	0.800886	0.276596	0.648924	1.498258
4315	0.978570	0.878893	0.878893	0.767523	0.983782	0.462356	2.117157	1.207901
4316	0.896120	1.161194	1.161194	1.045652	1.779389	0.948901	0.514814	1.196078
4317	1.042459	0.820967	0.820967	0.411028	0.239868	0.663567	1.067035	0.790269
4318	1.072991	1.114772	1.114772	1.054398	0.867399	1.605467	0.765484	1.130299
4319	1.035124	1.054488	1.054488	0.860169	0.548880	0.212661	1.237119	1.556294
4320	1.217986	0.975120	0.975120	1.039222	1.501600	1.715023	5.405375	1.071151
4321	0.849419	0.948858	0.948858	0.492498	0.677135	1.334033	3.576118	0.903690
4322	0.975062	1.015172	1.015172	0.597449	0.126412	0.118869	4.094400	0.794812
4323	1.037325	0.843292	0.843292	1.013482	0.836121	0.411652	0.900675	1.277567
4324	0.999001	0.709440	0.709440	1.035874	0.589635	1.011907	0.852259	1.014999
4325	1.111480	0.876515	0.876515	0.742946	2.623922	1.054614	1.021917	1.033828
4326	1.092184	0.963923	0.963923	0.960162	0.418696	0.667940	0.824382	1.165795
4327	0.882605	1.027198	1.027198	0.523644	2.509347	0.282454	0.995635	1.071663
4328	0.953355	0.781180	0.781180	0.646825	0.739321	0.311967	2.895925	1.216922
4329	1.056380	0.714251	0.714251	0.832411	0.635815	1.521699	2.982597	1.492684

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4330	1.005155	1.015193	1.015193	0.528557	0.203869	0.091705	1.077351	0.996198
4331	0.939411	0.930092	0.930092	0.943618	0.667312	0.237978	2.494594	0.921138
4332	1.081215	0.969540	0.969540	0.626388	0.822895	1.194845	0.900299	1.147879
4333	0.936052	0.739101	0.739101	0.747317	1.530891	0.309460	5.776375	0.967453
4334	1.050907	1.034245	1.034245	0.922506	0.794623	0.182244	3.613563	1.246706
4335	0.985820	0.295032	0.295032	0.688933	0.954256	2.347928	0.502152	1.155326
4336	0.917808	1.120041	1.120041	0.701104	1.385036	1.648061	0.779859	1.020492
4337	0.856506	1.446724	1.446724	0.844526	1.952101	0.281802	1.265968	0.926976
4338	0.918000	1.097481	1.097481	1.046223	0.265126	0.413104	1.364915	1.173618
4339	1.087323	0.816289	0.816289	0.978143	1.182864	0.180593	0.842107	0.914368
4340	1.070390	0.882781	0.882781	0.867742	0.476945	0.468071	1.521769	1.039841
4341	0.913456	1.203304	1.203304	0.669700	1.350525	0.232378	1.033215	1.495296
4342	1.039166	1.123177	1.123177	1.147312	1.114308	1.013247	0.540295	0.882161
4343	1.022583	0.896711	0.896711	0.784616	0.699384	0.667282	2.241081	1.052786
4344	1.022178	0.839426	0.839426	0.533522	0.606417	2.371797	0.729835	1.298095
4345	0.984710	0.857133	0.857133	0.982602	0.257873	0.117432	1.605143	1.056773
4346	0.935974	0.758047	0.758047	0.599010	0.295665	0.964522	0.758801	0.817279
4347	1.023783	0.506486	0.506486	0.988497	0.230792	0.271758	0.832148	0.944485
4348	0.942758	1.443658	1.443658	0.887911	1.009464	4.294242	0.931697	1.405065
4349	1.052660	1.353150	1.353150	0.809983	2.385039	0.607147	1.223873	0.934462
4350	1.258609	0.632488	0.632488	0.997239	0.438781	0.272789	0.528999	1.304305
4351	1.103793	0.890509	0.890509	0.740681	0.179355	2.401513	0.565826	1.522902
4352	0.974777	0.667856	0.667856	0.584552	0.736834	0.335047	0.501954	1.089227
4353	0.953016	1.373759	1.373759	0.963316	1.008384	0.311896	0.565828	1.181224
4354	0.895280	0.842589	0.842589	0.983162	0.671934	0.143166	1.727649	0.768450
4355	0.937972	0.877147	0.877147	1.064497	2.639572	0.881283	1.572067	1.391343
4356	1.071182	0.846615	0.846615	0.956380	1.355327	0.219276	0.611180	1.170445
4357	1.106689	0.803079	0.803079	1.056952	0.836864	2.196126	0.534683	1.511483
4358	1.080348	1.082091	1.082091	1.061858	0.182162	1.024795	1.105213	1.165897
4359	1.053954	1.113851	1.113851	0.959245	2.119282	1.877293	0.733299	0.881969
4360	1.025532	1.291590	1.291590	1.045968	0.745945	0.474535	1.146882	1.070582
4361	1.142321	0.833014	0.833014	0.611429	0.247209	0.147069	0.531660	1.658843
4362	0.786047	0.867912	0.867912	1.100508	0.777328	0.657640	0.869385	1.248797
4363	1.119406	1.235244	1.235244	0.969216	0.214127	0.630006	0.545211	1.449103
4364	0.896603	0.834913	0.834913	0.517919	0.279182	0.377283	0.698796	1.029230
4365	0.990749	1.261915	1.261915	0.645820	0.527083	0.440988	5.943028	1.233999
4366	1.019837	0.778476	0.778476	0.809870	0.213153	0.538986	1.795145	1.309055
4367	1.046119	1.113952	1.113952	0.806759	0.629500	0.735829	0.607079	1.421699
4368	0.993588	1.370492	1.370492	0.578370	0.441760	0.296101	0.862342	1.628037
4369	1.236582	1.332388	1.332388	0.823433	0.977454	0.251648	0.958833	0.916366
4370	1.018756	1.155646	1.155646	0.796044	0.483637	0.525312	0.755218	1.200517
4371	0.971615	1.327656	1.327656	1.124290	3.072156	1.004821	1.047581	1.216261
4372	1.013468	0.843828	0.843828	0.717277	1.147463	0.396141	0.555227	0.875206
4373	0.852140	1.009693	1.009693	0.508396	1.026221	1.064725	0.521369	1.455560
4374	1.058171	1.007021	1.007021	0.883205	0.434876	0.676489	0.770855	1.100510
4375	1.048684	0.668685	0.668685	0.540223	0.407114	2.498095	1.086883	1.163463
4376	0.975719	0.998128	0.998128	0.728809	0.894763	0.803042	0.644824	1.581330
4377	1.090662	1.150637	1.150637	0.646655	1.142772	1.384609	5.972286	0.929485
4378	1.063866	0.733930	0.733930	0.907981	1.513106	0.809367	3.111820	1.169297
4379	1.163945	1.165858	1.165858	0.981870	0.185565	1.086631	0.751441	0.961909
4380	1.010204	1.131107	1.131107	0.645091	0.499696	1.006018	0.790732	1.064217
4381	0.994661	0.981904	0.981904	0.939773	0.165070	1.063757	0.741675	1.346729
4382	0.949309	1.074832	1.074832	1.051990	0.614891	0.184786	1.227732	1.496876
4383	1.058370	0.833609	0.833609	0.876789	0.800080	0.924255	0.617845	1.017359
4384	0.936602	1.018396	1.018396	0.480007	0.227798	0.339528	0.602487	1.108932
4385	1.033013	1.267889	1.267889	1.117329	0.512424	0.118151	0.876627	1.246389
4386	0.897417	1.197757	1.197757	0.987226	0.944028	0.474640	1.484275	1.628765

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4387	1.126047	1.350101	1.350101	1.060861	2.856073	0.894252	4.365804	1.050148
4388	1.093831	1.205236	1.205236	1.073021	0.384396	0.266187	3.324304	0.814326
4389	0.967625	0.994460	0.994460	0.991669	1.538887	0.568586	1.508332	1.421558
4390	0.965643	0.630852	0.630852	0.556653	0.297727	0.349605	1.623224	1.111776
4391	1.120165	1.028906	1.028906	0.734478	0.782856	0.856763	3.197199	1.389429
4392	0.926682	0.506421	0.506421	0.921018	1.349047	0.362302	0.940776	0.954320
4393	1.095456	1.211477	1.211477	1.015538	0.696441	0.666103	1.402260	1.050424
4394	1.014504	1.279202	1.279202	0.648976	0.126805	0.240953	5.306744	1.013448
4395	0.895271	0.995416	0.995416	0.943688	0.482545	3.079149	4.521551	1.057959
4396	1.053749	0.805238	0.805238	1.024184	0.161274	0.170970	3.167407	0.910515
4397	0.827719	0.726546	0.726546	0.890414	2.084955	0.532921	0.718880	0.964598
4398	1.056527	0.947651	0.947651	1.043644	1.304739	1.866983	0.551443	0.984977
4399	0.916826	1.370449	1.370449	1.069943	0.870597	0.535402	5.682007	0.900969
4400	1.042104	0.573569	0.573569	0.568901	0.759438	1.164843	0.958963	1.079965
4401	0.985339	1.048702	1.048702	0.972800	0.551577	0.872008	1.119293	1.243654
4402	0.971766	1.098306	1.098306	0.806067	0.371917	0.708741	5.368821	1.417232
4403	0.984467	0.786807	0.786807	0.665882	0.517129	1.483491	2.179444	1.170196
4404	1.037321	0.736921	0.736921	0.745599	0.313247	1.185778	0.595769	0.989338
4405	1.014680	0.988967	0.988967	0.949632	0.177814	0.950349	0.790393	0.834177
4406	0.917778	1.159990	1.159990	0.876177	1.410126	0.417731	1.985940	1.101231
4407	1.239547	0.990026	0.990026	0.653053	0.368188	0.527707	1.024428	1.489721
4408	1.029247	0.679690	0.679690	1.077670	0.579682	0.398645	3.613269	1.299065
4409	1.002159	0.909232	0.909232	0.999696	0.618558	0.109087	0.723079	1.361629
4410	1.061700	1.083481	1.083481	0.592915	0.519309	1.027240	0.834402	1.269148
4411	1.122922	1.012984	1.012984	1.080080	1.434232	0.060353	2.125064	1.425747
4412	1.000800	1.232539	1.232539	0.805684	1.492301	0.604470	2.182570	1.191590
4413	1.028949	1.170244	1.170244	0.778293	0.379302	0.490538	0.501223	1.117167
4414	0.927232	0.521901	0.521901	1.098142	0.969014	0.752444	1.741207	1.492643
4415	1.049020	0.488980	0.488980	1.088915	0.673689	2.279716	4.719068	1.485417
4416	0.865387	0.634587	0.634587	1.081295	1.160408	0.460364	1.247456	0.812600
4417	0.862812	0.567686	0.567686	1.028222	0.702276	0.678777	0.953518	1.062865
4418	0.934613	0.767288	0.767288	1.063277	0.363556	0.614296	0.586536	0.981482
4419	1.072940	1.062522	1.062522	0.619005	0.748063	0.661523	0.920651	1.005340
4420	1.005774	0.634400	0.634400	1.014611	1.357175	0.593415	0.789239	1.323576
4421	0.932766	0.913603	0.913603	0.474121	0.681176	4.215183	0.559581	1.550066
4422	0.990842	1.050508	1.050508	0.507791	0.395961	0.359646	0.534078	1.252944
4423	0.931678	0.844919	0.844919	1.073581	0.478222	1.293897	0.973877	1.318590
4424	1.166238	1.140753	1.140753	0.899589	0.274819	2.207511	0.597508	0.941507
4425	1.034774	0.960434	0.960434	0.745129	0.441721	1.102964	1.517677	1.470395
4426	0.927416	1.446861	1.446861	0.828797	2.506290	0.328901	4.457708	1.309698
4427	1.077232	1.347487	1.347487	0.938230	0.790167	0.732399	3.914413	1.351049
4428	0.837120	1.234150	1.234150	1.101979	0.365308	0.918002	0.647912	0.937240
4429	1.077619	0.957698	0.957698	0.656421	0.281096	0.499356	4.427423	1.530819
4430	1.069533	0.643357	0.643357	0.896106	0.462335	1.115239	0.501348	0.825521
4431	0.945522	0.605187	0.605187	0.817161	2.880071	0.425575	0.998634	0.796062
4432	0.859353	0.666145	0.666145	0.490563	0.429511	0.367811	2.029004	0.971155
4433	0.963795	1.039515	1.039515	1.123745	1.575035	1.558810	0.783551	1.274728
4434	1.070480	1.064995	1.064995	1.023889	2.133709	2.106203	0.609095	1.194536
4435	1.106589	1.366087	1.366087	0.983129	1.341904	0.135113	0.861061	0.896638
4436	1.161045	1.231610	1.231610	1.123058	0.310049	0.414464	2.493980	1.311493
4437	1.230483	0.553763	0.553763	1.027213	1.089532	0.842188	0.535777	1.029551
4438	1.034774	1.171261	1.171261	0.851464	0.222506	1.854974	0.800824	1.297796
4439	1.067088	1.332409	1.332409	1.104927	0.471445	1.559929	3.998656	1.017227
4440	1.117315	0.811187	0.811187	0.700422	0.870191	1.757430	0.803398	0.973479
4441	0.937687	1.062918	1.062918	0.707559	0.129125	0.706264	4.942645	1.543966
4442	0.946061	1.012879	1.012879	0.945157	0.766232	0.344207	5.698413	1.544437
4443	0.941953	0.526902	0.526902	0.959855	1.363315	0.399504	1.379213	1.074842

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4444	1.062625	0.776555	0.776555	0.973696	0.492848	0.219645	0.500188	1.073487
4445	0.918183	0.782683	0.782683	0.869724	0.607983	2.308478	0.649163	1.045184
4446	1.020701	1.091513	1.091513	0.965140	1.143214	0.414616	3.421914	1.006480
4447	1.039490	0.814404	0.814404	1.111402	0.264414	2.640917	1.879334	1.172243
4448	1.027173	1.193089	1.193089	1.121793	0.526789	0.623976	0.714516	0.925481
4449	1.069000	1.127406	1.127406	1.147247	2.125599	2.264407	1.019241	1.111654
4450	0.916867	0.885231	0.885231	0.737647	0.381083	1.099284	0.818246	1.169373
4451	0.903517	0.641943	0.641943	0.886301	0.478974	0.336369	1.225676	1.348669
4452	1.038766	1.061996	1.061996	0.776014	0.233156	0.923495	1.433384	0.952517
4453	0.903950	1.366173	1.366173	0.667281	0.618061	0.634971	0.835279	1.390497
4454	0.897739	0.755929	0.755929	0.764880	0.237715	0.465420	0.766207	1.579041
4455	1.186329	0.993642	0.993642	0.822241	0.823473	0.680888	3.488479	0.938477
4456	0.925637	1.077077	1.077077	0.730441	2.447477	2.369879	2.884021	0.992256
4457	0.885920	0.660749	0.660749	1.128465	0.267657	0.931974	0.739448	0.903814
4458	1.100452	1.288297	1.288297	1.088085	1.897017	0.394034	4.534979	1.155644
4459	0.954416	0.958000	0.958000	0.907677	1.449925	0.397157	0.529828	1.139832
4460	1.065876	0.709227	0.709227	1.008127	0.486735	0.185339	0.715898	0.968358
4461	0.984440	0.965954	0.965954	0.675096	1.147730	0.691613	0.552023	1.183822
4462	0.955979	1.165608	1.165608	1.038423	1.230223	1.078416	0.522360	1.337910
4463	0.874038	0.950956	0.950956	0.973650	0.694645	1.052495	1.622548	1.369704
4464	0.867763	0.599043	0.599043	0.670284	0.115825	1.295701	1.170579	1.159518
4465	0.997104	1.283170	1.283170	0.631426	1.105422	1.048350	1.160788	1.042904
4466	0.843424	1.115842	1.115842	0.974104	1.101268	3.048987	0.713905	1.159717
4467	1.000473	0.894768	0.894768	0.528799	1.326021	0.650764	2.493619	0.921839
4468	0.999557	0.507221	0.507221	0.684537	1.345538	0.149002	0.634318	1.262834
4469	0.868715	1.091382	1.091382	1.137237	0.623445	0.861985	1.106956	1.056828
4470	0.924219	1.062670	1.062670	0.787056	0.250855	1.670558	0.685356	0.907424
4471	0.695866	1.105049	1.105049	1.099289	0.770292	0.292464	2.623714	1.442580
4472	1.048937	1.354162	1.354162	1.014443	1.199136	0.382558	0.631599	1.582647
4473	0.909619	0.978675	0.978675	0.933376	0.593019	0.725958	5.126813	1.008468
4474	1.214240	1.221285	1.221285	0.798805	0.384118	1.158096	0.843063	1.196151
4475	0.983459	1.308328	1.308328	0.755637	1.330432	0.690048	1.229208	1.469771
4476	1.003523	1.031539	1.031539	1.087129	0.880599	4.997229	1.307434	1.215131
4477	1.128110	1.083843	1.083843	1.070789	0.320455	0.400091	1.824081	1.585879
4478	0.969908	0.877906	0.877906	0.434877	0.319547	3.151724	0.639089	1.299346
4479	1.070507	1.134583	1.134583	0.823805	1.097871	1.121783	0.623074	1.649700
4480	1.082202	1.310984	1.310984	0.605833	1.770886	1.595064	4.412065	1.373757
4481	1.017881	1.219524	1.219524	0.638335	0.735084	0.316802	0.519334	1.008321
4482	0.866404	0.779056	0.779056	0.894555	1.234133	0.640468	1.410756	1.434579
4483	1.078216	1.224353	1.224353	0.758794	0.303278	1.431379	3.499282	1.369612
4484	0.904494	1.305880	1.305880	1.092236	0.847006	6.640326	2.784244	1.169354
4485	1.144851	0.797189	0.797189	0.364304	2.436831	0.570283	0.835163	0.973667
4486	1.062259	1.043436	1.043436	0.868149	1.345885	0.888465	0.743527	0.983342
4487	0.964297	0.938680	0.938680	0.856065	1.085829	0.718288	2.117887	1.042542
4488	0.972638	0.914028	0.914028	0.558647	0.670229	1.925250	1.626205	1.509439
4489	0.982334	1.014404	1.014404	0.469173	0.273760	0.147493	2.995786	1.082600
4490	1.034289	1.169868	1.169868	0.953194	1.845498	0.526074	3.365032	1.006515
4491	0.963605	1.282033	1.282033	0.657771	0.202619	2.381539	0.653084	1.294353
4492	1.121586	1.129132	1.129132	1.055860	0.332706	0.724285	0.838286	0.975548
4493	0.848394	0.834664	0.834664	1.095007	1.299851	1.731529	1.060032	1.303642
4494	0.931560	1.176966	1.176966	0.851980	0.188982	0.391254	2.247482	0.805353
4495	0.987779	0.849917	0.849917	1.033418	1.646116	0.727730	3.612006	1.171312
4496	1.098096	0.494752	0.494752	0.911284	0.720601	1.412495	0.635215	1.442469
4497	1.160066	1.144977	1.144977	0.626940	0.532012	0.996204	4.325247	0.960046
4498	0.991738	0.876540	0.876540	0.140794	0.790341	3.312015	3.534231	1.356864
4499	1.050465	0.846448	0.846448	1.060913	0.243372	0.073797	4.743116	1.101583
4500	0.701835	0.860910	0.860910	0.975983	1.563816	0.195934	0.937098	0.872591

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4501	1.068988	0.972258	0.972258	0.633990	1.194438	0.705363	0.667800	1.014828
4502	1.116459	0.852667	0.852667	0.952173	1.284012	0.727424	3.063640	1.047205
4503	1.173971	0.745289	0.745289	0.624844	0.581316	0.261866	1.064108	1.245754
4504	1.085970	1.099355	1.099355	0.868724	0.609118	0.281492	1.991567	1.008371
4505	1.004503	1.122795	1.122795	0.608695	1.408691	2.666313	0.892173	1.395016
4506	1.031764	0.980026	0.980026	0.731292	1.432298	0.229627	0.737247	1.026004
4507	1.002359	0.887106	0.887106	1.149576	0.490814	0.441405	3.270643	1.087019
4508	1.022801	0.982939	0.982939	1.084797	0.366871	0.817844	2.037881	1.067170
4509	1.069969	0.740822	0.740822	0.938852	0.303494	1.207287	1.095286	1.494247
4510	1.104442	1.437371	1.437371	0.663290	1.015520	0.992931	4.663923	1.170989
4511	1.079460	1.265491	1.265491	0.583624	1.280102	0.181158	0.596865	1.275731
4512	0.950173	1.082950	1.082950	1.004723	0.349206	0.495964	0.936879	1.056586
4513	1.090888	1.125709	1.125709	0.616695	0.777119	0.336163	0.727099	1.080563
4514	0.951837	1.239362	1.239362	1.018884	0.324189	1.155487	0.960257	1.221911
4515	1.081721	1.213499	1.213499	0.583300	0.382371	0.396779	0.834428	0.822359
4516	1.027309	0.879847	0.879847	0.800669	0.822059	0.672879	1.022673	0.871009
4517	1.042205	1.317815	1.317815	1.092339	0.784456	0.919085	0.733174	1.024597
4518	1.125071	0.944208	0.944208	0.914666	2.230521	0.985132	0.995173	0.948429
4519	1.047338	0.544055	0.544055	0.987363	1.040508	2.370443	1.159905	0.801758
4520	1.005771	0.816526	0.816526	0.824820	0.335250	1.073886	0.785228	1.245956
4521	0.964092	1.015679	1.015679	0.997117	1.017522	0.180293	0.986985	1.365554
4522	1.012373	0.842418	0.842418	0.744517	0.439521	0.383648	1.483278	1.170391
4523	1.057207	0.944889	0.944889	0.842242	0.385358	0.507187	2.769005	1.145937
4524	0.920364	0.724508	0.724508	0.529557	0.531920	0.252851	0.699874	1.049317
4525	0.971833	1.370805	1.370805	0.713710	0.480729	0.301928	1.063437	0.888764
4526	1.182676	0.930533	0.930533	0.809294	0.278346	0.488260	0.555984	1.645662
4527	1.027396	0.792319	0.792319	1.042215	0.539494	1.731493	3.249440	1.295621
4528	0.749644	0.819505	0.819505	1.060980	0.267552	4.127392	0.836968	1.470162
4529	1.045532	0.672747	0.672747	0.835674	0.333123	6.576783	1.400599	1.246037
4530	1.093839	0.929109	0.929109	0.819269	1.745391	0.096465	0.728032	0.857007
4531	1.131468	0.921696	0.921696	0.726063	1.021386	0.090678	1.019240	1.000258
4532	0.832896	1.282708	1.282708	0.609386	1.525292	0.433322	0.683594	0.840803
4533	1.068693	0.898934	0.898934	1.066488	0.727750	1.284578	0.837548	0.892290
4534	1.033611	0.829545	0.829545	1.086125	0.807486	0.688194	0.695789	1.536818
4535	1.015183	0.457515	0.457515	0.896522	1.558116	2.215628	2.021376	0.982751
4536	0.905477	0.778556	0.778556	0.920167	0.464849	0.580166	0.949773	1.117381
4537	0.862260	1.212323	1.212323	0.594846	0.951171	1.247084	0.571784	0.998063
4538	1.021395	0.857238	0.857238	1.075310	0.486926	0.813057	0.653741	1.029186
4539	0.993194	0.897015	0.897015	0.859620	1.079375	0.579500	2.589329	1.124082
4540	1.001490	1.088756	1.088756	0.878296	0.189829	0.615603	0.630880	0.936945
4541	0.833451	1.025002	1.025002	0.913135	2.130812	0.336602	0.713689	1.014071
4542	1.305283	1.082622	1.082622	1.146497	0.788685	0.267870	1.924531	0.863890
4543	1.021753	0.860373	0.860373	0.909034	0.822662	0.369738	0.685124	0.946798
4544	0.993218	0.912805	0.912805	0.829917	0.222516	1.221184	0.585268	1.290970
4545	1.091611	1.261484	1.261484	0.364288	0.596866	1.287438	1.389203	1.355696
4546	0.953132	1.057908	1.057908	1.078297	0.335953	0.701751	0.677901	0.857073
4547	0.957965	1.046487	1.046487	0.428127	0.507060	0.675833	1.116429	1.273161
4548	1.176383	0.774021	0.774021	0.713877	1.106661	0.296024	0.592124	1.289615
4549	0.796295	0.975136	0.975136	0.883381	0.806715	0.191427	0.579025	1.016428
4550	0.938329	1.162548	1.162548	0.921180	0.397047	0.643656	1.217687	1.213569
4551	0.836010	1.327707	1.327707	1.056656	0.476442	1.939570	1.970026	1.109359
4552	0.879351	1.163941	1.163941	0.856095	0.878135	0.340753	0.731534	1.095718
4553	0.948453	1.095776	1.095776	0.838987	2.097033	2.120087	1.159693	1.118161
4554	0.965762	1.419750	1.419750	1.131108	0.853245	0.308473	0.566632	1.174345
4555	0.781419	1.389966	1.389966	0.372268	0.292422	1.065422	0.545656	1.273832
4556	0.982507	1.155683	1.155683	0.501209	0.400408	2.541852	1.399693	1.370926
4557	1.038661	1.037387	1.037387	0.605321	0.446749	0.841691	0.738345	1.370016

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4558	0.991428	1.063039	1.063039	0.641669	0.667749	1.292678	1.900958	1.135915
4559	1.090798	0.925282	0.925282	1.085637	0.835911	0.310463	1.951784	0.956007
4560	0.899549	1.017519	1.017519	1.030539	0.307802	1.843917	0.503665	1.122770
4561	0.858833	1.365587	1.365587	0.968464	0.693203	0.721676	2.905578	1.358443
4562	0.973524	0.906372	0.906372	0.660796	0.564069	1.117327	1.487356	1.247053
4563	1.109449	0.897113	0.897113	1.117911	0.316792	0.738316	0.894378	1.089503
4564	0.954324	1.250493	1.250493	0.810108	1.629233	1.366429	0.548671	1.040189
4565	1.096986	1.161174	1.161174	0.971200	0.683121	0.357969	0.541197	1.302621
4566	0.952378	0.840521	0.840521	0.631543	1.149207	1.292576	0.725572	1.216082
4567	1.096668	1.303514	1.303514	0.989591	0.399240	0.146961	1.290411	1.370098
4568	1.140104	1.211537	1.211537	0.806441	0.303758	0.313682	0.669369	0.905163
4569	0.958836	0.887931	0.887931	1.077986	1.165321	0.661657	0.608032	1.068770
4570	0.847813	1.266646	1.266646	0.852928	0.357745	1.033950	0.889356	1.250112
4571	1.103400	1.202867	1.202867	0.991359	0.439896	1.211288	1.658061	1.169923
4572	0.987816	0.742977	0.742977	0.808730	0.205482	0.470740	2.271310	1.235658
4573	1.010153	1.340419	1.340419	1.076923	0.584261	0.467652	1.827742	1.407245
4574	1.015772	1.004112	1.004112	1.003680	0.566482	1.592274	3.931971	1.020781
4575	0.981826	1.164223	1.164223	0.925593	0.346264	1.466294	3.901128	0.962382
4576	0.994691	0.998604	0.998604	0.653123	0.264125	1.432146	0.512597	1.323101
4577	0.762806	1.006974	1.006974	0.795962	1.019086	0.558101	3.256129	1.020871
4578	1.054726	1.171790	1.171790	0.883158	0.809544	1.514665	2.901671	0.909192
4579	1.134419	1.325708	1.325708	0.525831	1.238704	0.173486	0.791629	0.959421
4580	1.082417	0.998469	0.998469	1.057936	0.743530	0.692806	2.866002	1.186640
4581	1.037003	1.033128	1.033128	1.009897	0.307239	0.731364	0.674554	0.925395
4582	0.957955	1.255336	1.255336	0.960863	0.608818	0.166036	1.532671	1.090600
4583	0.948588	0.490017	0.490017	0.554878	0.699572	0.111260	1.424892	1.018283
4584	0.870028	0.869162	0.869162	0.956019	1.065343	0.855966	1.562772	1.029312
4585	1.080488	0.817029	0.817029	1.037517	0.846765	0.857022	1.155314	1.081091
4586	0.866623	1.022206	1.022206	0.763900	1.243747	2.778517	0.647179	0.900205
4587	1.035371	0.779106	0.779106	0.667134	0.123728	0.285893	1.403707	0.891680
4588	0.864188	1.069868	1.069868	0.723744	1.034341	0.131139	3.669293	0.893689
4589	0.896968	0.890091	0.890091	0.881097	0.370952	2.456583	1.160499	1.059330
4590	0.982204	0.957378	0.957378	0.806344	0.338424	0.450778	0.513406	1.171038
4591	0.871229	0.622303	0.622303	0.808517	0.179807	1.668606	0.807528	1.238771
4592	0.920890	0.596435	0.596435	1.019403	2.459717	0.301355	0.970477	1.700274
4593	1.036406	0.986252	0.986252	1.009800	0.251070	3.527531	1.087656	0.970200
4594	1.213567	1.064943	1.064943	0.694769	1.051408	1.715749	2.016999	1.177420
4595	1.071650	0.787198	0.787198	1.074668	1.419128	0.793954	1.348468	0.927283
4596	0.956303	0.829540	0.829540	0.663593	1.964942	1.512188	4.115487	1.166766
4597	1.214118	0.553609	0.553609	0.673353	0.914323	1.463388	1.538544	0.883179
4598	0.847900	1.344239	1.344239	0.932940	1.546495	8.897528	3.807330	1.250199
4599	1.047783	1.103075	1.103075	0.938391	0.281904	0.222018	0.885662	1.009387
4600	0.892866	0.739837	0.739837	0.932804	0.566794	1.861636	0.863930	1.165672
4601	1.262630	1.141668	1.141668	0.858353	1.442231	0.996335	1.036316	0.949210
4602	0.974961	1.297254	1.297254	1.035334	0.437276	0.170871	4.748310	1.063669
4603	1.018055	0.982312	0.982312	0.892526	0.376950	0.568558	0.847864	1.413668
4604	0.898350	1.103333	1.103333	0.321574	0.257865	0.577464	0.675149	1.153281
4605	0.976239	1.145799	1.145799	0.827893	1.443037	1.723790	2.400119	0.820052
4606	0.982975	1.305851	1.305851	1.076271	1.285176	1.347404	1.250951	1.013333
4607	1.122989	0.701447	0.701447	0.917388	0.907517	0.237168	1.218162	1.408736
4608	0.915923	1.006939	1.006939	1.047955	0.341161	0.239380	0.713290	0.999919
4609	1.028476	1.176338	1.176338	0.892565	1.191848	1.055963	0.597080	1.054163
4610	1.000435	0.577046	0.577046	1.082484	1.125050	0.775867	1.216765	1.112717
4611	0.906288	1.055654	1.055654	1.100895	1.605698	2.166168	0.578444	1.365985
4612	1.120133	0.781874	0.781874	0.869592	0.583622	0.952794	0.517452	1.063520
4613	1.090032	1.267858	1.267858	0.699015	0.493166	1.550675	0.855470	1.297397
4614	0.985944	1.216878	1.216878	0.828083	0.159570	3.290629	1.359312	1.085270

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4615	0.950059	1.347778	1.347778	0.990754	1.231470	0.833139	1.707810	1.365250
4616	0.884100	0.899642	0.899642	0.634035	1.055729	2.762162	3.543520	1.317351
4617	0.877857	1.020855	1.020855	0.833181	1.030241	0.544197	3.334056	0.997279
4618	1.100031	1.202366	1.202366	0.922588	0.715133	0.955261	0.786836	0.895443
4619	1.125175	0.960483	0.960483	0.994484	1.013979	0.503953	2.087241	0.941875
4620	1.046794	1.217594	1.217594	0.982913	0.236589	0.259958	0.788697	1.030885
4621	1.213028	1.051918	1.051918	0.932919	0.810265	0.387648	0.524583	1.423409
4622	1.051886	0.363294	0.363294	0.657654	1.183412	0.484169	0.963560	1.189302
4623	1.287458	1.203459	1.203459	0.761861	0.380532	2.446137	0.512470	1.170364
4624	1.040845	1.335971	1.335971	0.644030	0.775457	1.942568	1.512885	1.558781
4625	1.049262	1.008733	1.008733	0.503002	0.655605	0.180486	2.202364	1.303859
4626	1.114473	0.927156	0.927156	0.593752	1.454404	2.243956	1.562630	1.049947
4627	1.110963	1.282406	1.282406	0.849688	0.692440	0.998478	0.988228	0.888746
4628	1.033371	0.849477	0.849477	0.730994	1.654306	0.813588	1.180675	1.155038
4629	0.956490	0.704274	0.704274	0.971238	1.417296	0.196969	0.916852	1.153904
4630	1.009779	0.745291	0.745291	0.892528	0.663516	0.381991	2.528923	1.671257
4631	1.005745	0.786232	0.786232	0.796552	0.640242	0.655054	1.908391	1.229209
4632	1.034225	1.033313	1.033313	1.049385	0.446184	0.451892	2.664480	1.118735
4633	0.957325	1.126209	1.126209	1.141411	0.178552	0.443633	1.585007	1.099721
4634	1.020250	0.845047	0.845047	0.866551	0.485179	1.231400	1.350888	1.055973
4635	0.921354	1.195137	1.195137	0.990941	0.564384	0.696190	1.048723	0.858283
4636	0.859280	0.833671	0.833671	0.623518	0.799538	0.339767	1.869456	0.848953
4637	1.009997	1.078963	1.078963	0.769712	1.824975	1.480371	2.110051	1.505369
4638	1.196564	0.591538	0.591538	1.119672	0.322987	1.598575	1.258748	1.240541
4639	1.041360	0.594125	0.594125	0.803696	2.269023	0.430661	0.552410	1.134352
4640	0.982214	0.875897	0.875897	1.041001	1.140763	0.927998	0.825095	0.923829
4641	0.806373	1.305491	1.305491	0.985960	0.406374	0.388126	3.751207	0.896776
4642	0.989841	1.402861	1.402861	0.529253	0.328084	0.708166	1.526908	0.990116
4643	0.910568	0.808498	0.808498	1.130098	0.706864	0.285375	3.749410	1.278297
4644	1.325973	1.344629	1.344629	0.575464	0.167977	1.548289	1.316521	1.567376
4645	1.000225	1.147812	1.147812	0.894009	1.550132	1.334732	0.831145	1.150885
4646	1.124404	1.419755	1.419755	0.538376	1.870767	3.143663	0.745199	0.806022
4647	1.095372	1.413860	1.413860	0.852458	0.930934	0.498096	0.819839	0.919122
4648	1.051684	1.014655	1.014655	1.024355	0.751262	0.073625	0.511009	1.141942
4649	1.119973	1.021365	1.021365	0.805967	0.413828	0.482495	1.038146	0.941771
4650	0.828647	1.088237	1.088237	1.122622	1.814667	1.524609	0.621321	1.090209
4651	0.894985	1.105581	1.105581	1.003707	0.241282	0.264589	1.705582	0.931555
4652	1.020378	0.930731	0.930731	0.504085	1.145643	0.859254	0.677383	1.212928
4653	0.662781	0.938049	0.938049	0.681729	1.231586	2.576035	2.526141	0.912392
4654	0.910933	1.026868	1.026868	1.025144	2.241873	0.909890	3.268155	1.096575
4655	0.984210	0.639551	0.639551	0.359145	0.454023	0.684100	0.837150	0.993718
4656	0.990921	1.045321	1.045321	0.878757	1.163141	0.092695	0.643333	1.604060
4657	0.887035	0.934740	0.934740	0.636777	0.553158	0.493079	0.672844	1.218158
4658	0.969379	1.317665	1.317665	0.950181	2.383513	0.098533	1.131948	1.077874
4659	0.909960	1.183230	1.183230	0.828268	2.219086	0.236751	1.318502	1.131249
4660	1.015754	1.256321	1.256321	0.751864	1.021060	1.273446	2.486588	1.295548
4661	1.006775	1.242307	1.242307	0.965528	0.687575	0.206290	1.461452	0.889494
4662	1.120561	0.805089	0.805089	0.859489	0.872820	0.102213	1.188222	1.565765
4663	1.295190	0.762844	0.762844	0.460809	0.719662	1.117877	0.557537	1.079660
4664	0.794710	0.935368	0.935368	0.883569	0.807438	0.920192	1.224481	1.598554
4665	0.941976	1.142346	1.142346	0.659492	2.819482	0.811527	0.671437	1.381564
4666	0.921443	1.232063	1.232063	0.687614	0.875556	2.010320	0.697947	1.229542
4667	1.034302	1.059848	1.059848	0.449570	0.458574	1.162081	1.122023	1.349034
4668	1.067727	1.087901	1.087901	0.778174	1.529860	2.370556	2.775884	0.998346
4669	1.001129	0.996432	0.996432	1.135950	1.079700	3.712598	0.741422	1.058753
4670	0.868500	0.690946	0.690946	0.570162	0.525348	0.294715	1.948402	0.974598
4671	0.986073	0.985123	0.985123	0.930655	0.245936	3.985679	0.556448	1.104125

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4672	0.780567	1.195178	1.195178	0.646792	0.313220	0.236785	0.899331	0.765614
4673	1.115934	0.976983	0.976983	0.947949	2.115589	1.074249	1.342573	0.998150
4674	1.053745	0.860303	0.860303	0.380634	0.594850	1.107506	1.382014	0.909068
4675	1.079997	0.743717	0.743717	1.037228	1.733444	1.656763	0.695836	1.435435
4676	1.098964	1.138591	1.138591	0.965549	0.299280	0.726751	0.795077	1.351823
4677	0.968809	0.553424	0.553424	0.575993	0.291780	0.336276	2.337241	0.974442
4678	0.868647	1.062212	1.062212	1.083079	0.446137	0.853018	1.585378	1.375027
4679	1.098101	0.974787	0.974787	0.454905	1.092410	0.559932	1.715360	0.907858
4680	0.958876	1.111520	1.111520	0.649573	0.438313	1.022809	0.744266	1.554869
4681	0.975326	1.015095	1.015095	0.975177	1.003808	2.740208	1.114361	1.261346
4682	1.201866	1.029557	1.029557	0.629144	0.407806	0.550961	0.531535	1.340642
4683	0.949985	0.698656	0.698656	0.851992	0.140071	1.558803	0.569877	1.343987
4684	1.003447	1.248839	1.248839	1.000790	1.327594	2.448452	0.899932	1.021220
4685	0.892904	0.457796	0.457796	1.068099	0.517648	0.662144	0.756702	1.187233
4686	1.040694	1.121442	1.121442	0.880785	2.028038	1.565933	1.953831	0.964394
4687	0.925615	0.915453	0.915453	0.698336	0.495887	0.397331	1.293087	1.519573
4688	1.116482	0.965696	0.965696	1.057235	0.632325	0.836962	1.487514	0.968063
4689	1.030719	1.131291	1.131291	0.584795	1.281581	0.486614	1.841916	0.964748
4690	0.944268	1.251612	1.251612	0.761274	0.996519	0.377356	1.177112	0.969068
4691	1.036962	0.900265	0.900265	0.616648	0.734712	0.514495	2.081287	1.016342
4692	0.790246	0.549990	0.549990	0.884136	0.366889	0.644793	1.034525	0.962658
4693	0.958437	1.178048	1.178048	0.717112	0.223705	0.326482	0.869450	1.521358
4694	0.996375	0.858646	0.858646	0.688049	1.868138	0.917636	0.744494	0.942703
4695	0.932012	0.766399	0.766399	1.054601	0.553978	1.048138	0.726555	1.016936
4696	0.967845	1.089337	1.089337	1.047564	0.143408	0.440827	1.100656	1.264631
4697	0.944540	0.774987	0.774987	0.660876	0.165364	0.936983	1.066507	0.890630
4698	1.127803	0.946257	0.946257	0.590325	0.424810	0.153887	0.716963	1.073326
4699	0.981481	1.304256	1.304256	1.006067	0.354136	0.901131	0.973588	1.138029
4700	0.816412	1.028255	1.028255	0.938916	1.086895	0.462570	0.671875	0.979832
4701	1.008003	0.687071	0.687071	0.426900	0.532809	0.210376	4.879816	0.893160
4702	1.089910	0.820587	0.820587	0.988098	1.262311	0.516991	0.950714	1.022472
4703	0.900941	1.130375	1.130375	1.130569	1.102813	0.677448	3.803973	1.030895
4704	1.306508	0.765791	0.765791	0.724410	1.517597	1.071602	0.861112	0.881822
4705	0.984144	1.195047	1.195047	0.771974	1.912900	0.805991	0.845778	1.052099
4706	0.935101	1.013876	1.013876	0.938564	0.472841	1.668561	0.853148	1.063547
4707	1.020812	0.732738	0.732738	0.965172	0.157480	0.339090	1.529460	1.052040
4708	1.012517	0.899750	0.899750	0.991994	0.384974	0.103174	3.125580	0.927214
4709	1.056098	0.935183	0.935183	0.964563	0.197437	0.452414	0.689649	0.985833
4710	1.037423	0.593658	0.593658	0.822713	1.535190	0.833361	0.866815	0.915376
4711	0.995241	0.868666	0.868666	0.967393	0.477932	0.212391	1.413290	1.208164
4712	1.022788	1.263915	1.263915	0.966428	1.619631	1.152168	0.586240	1.220188
4713	1.086426	0.614959	0.614959	1.055224	0.559734	0.160274	1.983178	0.983355
4714	1.052104	1.129210	1.129210	0.873267	0.467881	0.416641	0.980248	1.137648
4715	1.029405	0.882232	0.882232	0.989681	0.617125	0.668794	0.801870	1.238942
4716	1.076051	1.113231	1.113231	0.987573	0.179735	0.498691	0.723910	1.370197
4717	0.854635	1.085097	1.085097	1.091549	0.739046	0.433813	1.629101	1.130489
4718	1.061964	1.134837	1.134837	1.081129	1.581604	1.674903	0.577722	1.119631
4719	1.076921	0.854562	0.854562	1.026636	1.690834	0.362632	1.989485	0.863780
4720	1.102752	1.211980	1.211980	0.357261	0.197877	0.551450	1.977981	1.074798
4721	1.009142	0.836158	0.836158	1.009364	0.779530	0.260179	1.292105	1.125019
4722	0.919812	1.213467	1.213467	0.595009	1.530253	0.576172	1.613309	0.992764
4723	1.007605	0.895283	0.895283	0.707719	0.411224	0.609488	3.497245	1.265455
4724	0.921137	0.885988	0.885988	0.990563	0.322209	1.182791	1.187046	0.936957
4725	0.944463	1.107501	1.107501	0.953853	0.789717	0.590415	1.050144	0.989824
4726	0.895968	0.544531	0.544531	0.726233	0.552551	0.791943	0.913548	0.952491
4727	0.848390	0.467325	0.467325	0.957043	0.472386	0.550458	1.843651	0.810555
4728	0.909260	0.817797	0.817797	1.097758	0.409647	0.160106	1.159695	1.119902

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4729	1.068410	0.826363	0.826363	1.005196	0.154837	1.387805	1.664107	0.865094
4730	0.822287	0.770384	0.770384	0.841254	0.194874	0.336804	0.993873	1.365627
4731	0.978665	1.013225	1.013225	0.522078	0.463264	0.721547	0.652343	0.957122
4732	0.942814	1.183165	1.183165	0.640203	0.522507	0.213804	0.586090	1.619369
4733	1.112498	0.478820	0.478820	1.089847	0.416225	1.823958	0.896096	0.861485
4734	0.884458	1.188411	1.188411	0.762517	1.398747	0.389232	0.753581	1.205045
4735	1.043422	0.964073	0.964073	1.065719	0.245438	0.419579	1.519477	1.001178
4736	0.950138	1.001838	1.001838	0.771376	1.581219	1.564703	0.611712	1.465381
4737	0.891088	0.950437	0.950437	1.032709	0.516292	0.241790	0.528898	0.859581
4738	1.204406	1.140267	1.140267	0.691294	0.812030	0.449986	1.778562	0.916987
4739	1.072188	0.997408	0.997408	0.541042	0.698320	0.264977	2.869742	0.936023
4740	0.771199	0.526260	0.526260	0.782421	0.482479	0.192693	2.389647	1.199166
4741	0.901713	0.816797	0.816797	1.024158	1.349466	0.251641	0.646190	1.219644
4742	1.007040	1.244072	1.244072	0.664100	0.899296	0.512867	2.432598	0.996616
4743	1.045646	0.857184	0.857184	1.016232	0.266148	0.275988	0.945947	1.074477
4744	1.044584	1.124176	1.124176	0.972461	1.312550	0.570135	1.245983	0.953998
4745	0.958547	1.173744	1.173744	0.795521	1.075321	0.568636	3.424570	1.484264
4746	0.966933	1.094881	1.094881	0.552396	0.339877	0.659355	1.941457	1.128509
4747	1.091849	0.757478	0.757478	1.105150	1.093003	0.568497	0.653377	0.943929
4748	1.022049	1.099925	1.099925	0.990170	0.366283	0.863786	1.288751	1.146804
4749	1.024794	1.136303	1.136303	0.418877	1.406905	1.370212	1.812182	0.999208
4750	1.012637	0.675381	0.675381	0.835396	0.717069	0.329280	1.479783	1.582980
4751	1.152138	1.339718	1.339718	1.089840	1.080261	2.676147	0.802319	1.068194
4752	1.073958	1.095778	1.095778	1.013601	0.752683	0.222390	1.630861	1.057774
4753	0.899251	0.899703	0.899703	0.818908	0.924318	0.281640	4.189878	0.840983
4754	1.073792	1.124130	1.124130	0.864762	0.390680	0.324806	0.553555	0.854472
4755	0.994473	1.344055	1.344055	0.425848	1.282124	0.136706	2.969337	1.030859
4756	0.828534	1.079359	1.079359	1.015840	1.932942	0.300118	0.839097	0.847337
4757	1.074349	0.770728	0.770728	0.973795	0.508859	4.034236	0.557184	1.193399
4758	1.067694	1.148035	1.148035	1.067215	1.086563	0.443914	3.184968	0.985084
4759	0.917548	1.187668	1.187668	1.132965	0.471002	0.377608	1.454837	1.217370
4760	0.933239	1.094764	1.094764	1.029711	1.142516	0.158397	0.759658	1.279945
4761	1.042995	0.992371	0.992371	0.642346	0.434801	0.836854	0.673986	1.321977
4762	1.100561	1.033449	1.033449	0.850462	0.628045	0.133826	0.834308	1.434081
4763	0.978930	0.430211	0.430211	0.923476	0.251101	0.350705	3.044710	1.147756
4764	0.986713	0.597152	0.597152	0.631612	1.715948	0.164712	1.420294	1.163473
4765	0.957940	0.995980	0.995980	0.828088	1.072045	0.148442	0.580192	1.013549
4766	0.933938	1.126457	1.126457	0.583801	0.577799	1.100023	1.819966	1.329872
4767	1.024166	0.775046	0.775046	0.590090	0.157678	1.000496	0.795659	1.075045
4768	0.905785	0.943845	0.943845	0.330052	2.955054	6.459361	0.958406	1.446217
4769	0.771726	1.228561	1.228561	0.715676	0.208160	0.472982	0.629455	1.186133
4770	0.884872	0.937310	0.937310	0.509405	0.130109	0.293558	2.119434	0.855650
4771	0.828739	0.776130	0.776130	1.061810	0.416245	0.598603	0.795717	1.410342
4772	0.933109	0.985559	0.985559	0.979782	0.906473	0.293106	1.026291	1.559330
4773	0.998457	0.998456	0.998456	0.883948	0.489904	0.274160	1.780990	1.069326
4774	1.015317	1.007381	1.007381	0.893137	1.898588	1.914982	1.219986	1.408432
4775	0.965138	0.840574	0.840574	0.991946	0.432735	0.784048	0.916269	1.011446
4776	1.086780	0.353439	0.353439	0.960456	2.021216	0.932912	2.931296	1.145334
4777	1.013139	1.154231	1.154231	0.644832	0.192908	0.099771	1.974466	1.409670
4778	1.121729	1.437230	1.437230	1.057542	0.416269	0.716930	0.544674	1.178304
4779	1.143114	1.399618	1.399618	0.918400	0.465564	2.453476	2.756790	0.901762
4780	1.300994	1.017600	1.017600	0.662646	0.431027	2.985634	0.767527	1.451379
4781	0.820710	0.717210	0.717210	0.251720	1.180366	2.159598	0.622002	1.195024
4782	0.937665	0.901963	0.901963	1.092698	1.930328	0.564708	0.746783	0.849783
4783	1.021426	1.009497	1.009497	0.705255	1.231273	2.298707	3.812727	0.830270
4784	0.940624	1.162502	1.162502	0.700441	1.006532	0.208731	2.429772	0.913356
4785	0.980359	0.905253	0.905253	0.693479	1.158023	1.556722	1.264586	1.340317

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4786	1.062949	1.233672	1.233672	0.799351	0.371818	1.040156	0.820922	1.023117
4787	0.991252	0.579830	0.579830	0.931514	1.166917	6.804856	0.827506	0.954883
4788	1.035124	0.921142	0.921142	0.523264	1.168636	0.378104	0.629134	0.993519
4789	1.033325	0.688557	0.688557	0.840172	1.873208	1.625906	1.202717	0.988844
4790	1.012297	0.406968	0.406968	1.131868	0.222952	0.223977	2.674094	0.784786
4791	1.010724	0.942033	0.942033	1.096240	0.948995	0.942016	0.608853	1.398818
4792	1.076661	1.449704	1.449704	0.726069	0.740753	0.680034	2.534525	1.005032
4793	1.077634	0.856762	0.856762	0.915385	3.022856	0.227944	0.729137	1.371236
4794	0.915395	0.728936	0.728936	1.073950	1.024352	0.772089	1.411711	0.974500
4795	0.970524	1.247141	1.247141	1.029608	0.564024	1.111901	0.858912	0.819826
4796	1.037451	0.818047	0.818047	0.811719	0.122588	1.121487	1.804808	1.095365
4797	1.129449	1.305894	1.305894	0.926161	2.831887	0.744569	0.965925	1.322568
4798	0.936286	1.133753	1.133753	0.906935	1.005273	0.110285	0.684142	1.212339
4799	0.839610	0.888648	0.888648	0.686513	0.260827	0.431234	1.112656	1.540071
4800	0.962868	0.895186	0.895186	0.578805	0.102216	0.649842	0.828002	1.160447
4801	0.881645	0.559347	0.559347	1.142117	0.314320	1.294083	0.682594	1.383664
4802	1.006404	1.216340	1.216340	0.843200	0.339172	0.487493	2.687859	1.178036
4803	1.073591	1.052972	1.052972	0.692130	0.389822	0.363818	0.796373	1.314072
4804	1.191516	1.062955	1.062955	1.127364	0.423734	0.455325	0.892941	1.543022
4805	1.055858	0.500279	0.500279	0.621534	0.350420	0.447169	0.746302	1.522571
4806	1.118666	1.273477	1.273477	0.967921	1.540122	0.873280	3.101201	0.864566
4807	1.077957	0.708353	0.708353	0.848459	0.828721	0.694492	0.629352	1.397433
4808	1.023585	0.613232	0.613232	0.819832	1.354468	0.504871	5.209410	1.103357
4809	1.080992	1.209569	1.209569	0.178129	0.348730	1.258368	3.322612	1.019157
4810	0.923021	1.146812	1.146812	0.970162	2.001327	1.022492	1.204539	1.030880
4811	0.924515	0.866281	0.866281	1.081510	0.159526	0.683018	0.725913	1.015919
4812	0.844134	1.037373	1.037373	0.602328	0.263884	2.384180	3.018673	1.298659
4813	0.858035	1.071020	1.071020	0.936634	2.155683	0.445836	0.512092	1.215588
4814	1.091130	1.076331	1.076331	1.139543	1.101225	3.610373	4.486887	0.971980
4815	1.129278	0.881748	0.881748	0.672524	0.690100	0.403359	0.724586	0.888096
4816	1.093540	0.986349	0.986349	0.971627	1.309305	1.070260	5.020710	1.166139
4817	0.841538	1.114377	1.114377	1.086710	1.476661	0.353519	2.830313	1.109750
4818	0.989049	0.722946	0.722946	0.900564	3.223118	0.469323	1.270358	1.095207
4819	0.969285	1.188033	1.188033	0.962741	0.656653	1.002494	0.681746	1.113971
4820	1.035131	0.885620	0.885620	0.714247	0.190997	0.735740	0.531928	1.257611
4821	1.136929	0.995246	0.995246	1.061316	0.150254	0.440358	0.708002	1.279771
4822	0.948540	0.707166	0.707166	1.018927	0.184958	2.611622	4.505493	1.058028
4823	0.930140	0.997468	0.997468	1.050136	0.301633	1.460037	3.288252	0.830766
4824	0.996939	0.784885	0.784885	0.432479	1.408466	0.224944	0.518595	0.990833
4825	0.857282	1.214178	1.214178	0.696060	1.412646	0.996104	0.850222	1.285326
4826	1.073510	1.090692	1.090692	0.941753	0.979167	0.328954	3.916992	1.189708
4827	1.072084	1.084036	1.084036	1.022946	0.688009	0.462553	2.264424	0.926654
4828	0.951771	0.945988	0.945988	0.821980	1.317829	6.569900	2.696737	1.474723
4829	1.114078	1.352544	1.352544	0.910592	2.529368	0.499814	1.112932	0.912657
4830	0.907256	0.929645	0.929645	0.793854	1.010326	0.304014	1.807249	1.017387
4831	0.932721	0.894406	0.894406	0.932742	1.668318	1.434817	0.830600	1.113492
4832	0.890261	0.861367	0.861367	0.977331	0.651731	0.362458	0.826864	1.147960
4833	1.030779	0.571220	0.571220	0.514770	1.198943	0.154056	0.804462	0.906820
4834	0.958317	0.571891	0.571891	1.079895	0.282290	0.619888	0.642854	1.126201
4835	1.064479	0.971063	0.971063	0.643511	0.506132	0.634378	1.805717	0.939721
4836	0.984034	1.143953	1.143953	0.402460	1.025650	0.987814	0.797719	1.322933
4837	0.883593	1.100625	1.100625	0.945850	0.495879	0.471424	1.901207	1.481821
4838	0.987703	0.743158	0.743158	0.921609	0.887882	0.703922	0.893289	1.214420
4839	1.057438	0.926717	0.926717	1.081373	0.147982	1.615949	1.543135	1.105833
4840	1.126050	1.047907	1.047907	1.138500	0.574729	0.744089	0.775438	0.969691
4841	1.042695	1.037319	1.037319	0.920318	0.725924	0.889528	4.319652	1.210990
4842	0.956422	0.952922	0.952922	1.033030	1.218949	0.223373	1.469743	1.073766

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4843	1.124227	1.174519	1.174519	0.683940	0.538711	0.751287	0.883011	1.476327
4844	1.064383	0.523629	0.523629	0.766406	1.496157	0.614864	0.986934	0.941899
4845	1.085901	0.969488	0.969488	0.513218	1.225183	0.261353	0.842853	1.360845
4846	1.128381	1.310879	1.310879	0.350781	0.186086	1.122398	1.412514	1.244921
4847	0.989839	0.889938	0.889938	0.920340	1.968746	2.177118	3.374648	1.434215
4848	0.947453	0.989443	0.989443	0.992768	1.166360	0.843962	1.928769	1.529959
4849	0.855439	1.299105	1.299105	0.653766	1.248208	1.606591	1.387653	1.596475
4850	0.978644	0.812108	0.812108	1.007387	1.046276	1.206898	0.910031	0.968646
4851	0.905439	1.283918	1.283918	0.517269	1.416542	0.702684	0.682704	0.889888
4852	1.085791	0.858694	0.858694	0.784361	0.186484	0.343293	1.827399	0.936135
4853	0.984762	1.134062	1.134062	1.034838	0.196664	0.487356	3.064747	1.688450
4854	1.034284	1.003676	1.003676	0.916595	1.120661	2.855720	1.517400	0.944503
4855	1.083437	1.062154	1.062154	0.521821	1.978465	0.463419	0.652549	1.150500
4856	0.993297	0.928990	0.928990	1.092234	0.255327	0.661732	0.884081	0.956394
4857	0.990511	1.110173	1.110173	1.055671	0.934305	0.127637	4.520835	1.238672
4858	0.846032	1.060866	1.060866	0.714325	1.651334	0.270049	0.503029	0.939180
4859	0.962661	0.803136	0.803136	0.969603	0.438713	0.539674	3.308220	1.176578
4860	1.049241	1.093231	1.093231	0.947360	0.513045	1.383440	0.808090	1.661892
4861	1.063214	1.176979	1.176979	0.522455	0.485714	0.106132	0.620381	1.136799
4862	1.164243	1.107018	1.107018	0.569967	0.292286	0.789766	2.065458	0.907526
4863	1.049506	0.787399	0.787399	0.861195	0.136168	0.281828	2.599809	1.056203
4864	0.835656	1.444371	1.444371	0.915533	0.382125	0.523836	0.519449	0.912440
4865	1.068913	0.987392	0.987392	1.136389	2.144048	0.156743	0.759123	1.596734
4866	1.072997	1.004117	1.004117	0.558122	0.693553	0.727139	0.710103	1.328006
4867	1.016872	1.062097	1.062097	1.069760	0.584855	1.347304	4.988667	1.274866
4868	1.045985	0.605178	0.605178	1.043868	0.155150	0.170678	0.619355	0.926289
4869	0.915413	1.392527	1.392527	0.999938	0.372037	0.592050	0.764632	1.267319
4870	1.035634	1.268783	1.268783	0.840226	0.139315	1.847924	2.348343	1.361277
4871	1.086372	0.970807	0.970807	0.689793	2.808260	0.253709	0.907808	0.865180
4872	1.039087	0.853012	0.853012	0.742199	0.628917	1.415410	1.253335	1.240648
4873	0.841174	0.940333	0.940333	0.782767	0.521487	0.597873	0.861431	1.413180
4874	0.822898	0.679826	0.679826	0.770495	1.364859	0.570351	0.578032	0.924656
4875	0.899723	1.176196	1.176196	0.894032	0.211042	0.120479	0.630662	1.212882
4876	1.017668	0.923529	0.923529	0.953937	1.298787	0.420073	1.369890	1.192410
4877	1.027311	0.625526	0.625526	0.917553	0.181379	0.947745	0.721628	0.886795
4878	0.842716	0.915648	0.915648	1.011095	1.028086	0.700746	0.897802	1.336073
4879	0.978424	1.125922	1.125922	0.806095	0.513049	0.607416	1.955768	1.453677
4880	0.965102	1.199894	1.199894	1.001370	0.547953	0.742559	0.788484	1.055294
4881	0.972284	1.104510	1.104510	0.717055	0.389066	1.643960	5.381057	1.601813
4882	0.925837	0.687909	0.687909	0.854357	0.639860	1.133866	1.389280	1.402116
4883	1.094970	0.749307	0.749307	0.585982	0.293156	0.520813	1.450113	0.992948
4884	1.045276	0.877280	0.877280	1.070097	0.284987	1.779848	1.164055	0.913915
4885	1.082564	1.322023	1.322023	0.726948	1.587074	1.942489	2.135593	1.065117
4886	1.113380	1.049931	1.049931	0.438443	0.748634	1.191946	0.685446	1.225284
4887	1.113456	1.088361	1.088361	0.921992	0.231375	0.983094	1.307583	1.524150
4888	0.883904	1.177297	1.177297	1.139340	1.093981	0.263466	1.323030	0.809353
4889	0.967738	1.079116	1.079116	0.731542	0.310339	0.700460	0.615584	0.981324
4890	1.102697	0.863828	0.863828	0.602942	0.378026	1.711391	0.646598	0.962495
4891	1.083319	0.895820	0.895820	0.552493	0.556694	0.207843	2.380495	0.963646
4892	0.964958	1.202673	1.202673	0.985459	0.299250	0.191893	0.527011	1.330526
4893	0.926581	1.060496	1.060496	0.880950	2.030763	0.817681	0.870852	0.941658
4894	1.172069	0.684536	0.684536	0.721708	0.198036	0.640952	0.568105	0.914571
4895	1.043868	1.227394	1.227394	0.968328	0.469402	0.334869	1.022261	1.106270
4896	0.984148	0.845375	0.845375	0.608300	0.216863	0.496194	0.703038	1.387190
4897	1.011553	0.684991	0.684991	0.662388	2.036680	0.160819	4.810509	1.486968
4898	0.955319	1.014059	1.014059	0.574044	0.805496	0.448823	0.971627	1.039844
4899	0.952084	1.399520	1.399520	0.959723	0.929187	0.301590	0.734109	0.936919

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4900	1.027327	0.830410	0.830410	0.588661	0.532395	0.736047	0.804727	1.070056
4901	0.921621	1.138849	1.138849	0.727827	0.368902	0.428165	1.129873	0.910301
4902	0.935070	1.225970	1.225970	1.048815	0.243661	1.445898	0.651765	1.270584
4903	1.026211	1.077819	1.077819	0.728525	0.251356	0.451269	0.762450	1.086005
4904	1.099330	0.455315	0.455315	1.089900	0.711380	0.307176	0.583166	1.247212
4905	0.931762	0.963210	0.963210	0.919460	1.394772	0.386322	1.141422	0.918095
4906	0.846650	1.051354	1.051354	0.654648	0.869691	0.234068	3.641331	1.476511
4907	0.965027	1.198615	1.198615	0.987272	0.361340	0.418393	2.922216	1.166432
4908	1.179619	0.989724	0.989724	1.084522	1.348908	0.262997	1.288518	0.782993
4909	0.973828	0.821896	0.821896	0.969116	0.506721	0.698838	3.832529	1.000452
4910	0.889121	0.847882	0.847882	0.871703	1.218043	1.005562	1.096895	1.071688
4911	1.074341	0.849978	0.849978	0.762334	1.605807	2.105683	1.084187	0.857397
4912	0.833601	0.980352	0.980352	0.714837	2.323444	0.447597	3.187875	0.867328
4913	1.009384	1.445436	1.445436	0.971096	1.399449	0.658680	3.380570	1.098555
4914	0.964429	1.036296	1.036296	0.793225	0.294182	2.623667	3.156349	1.308910
4915	0.904088	0.637052	0.637052	0.760911	0.428797	0.623620	0.593377	1.311080
4916	0.911458	0.621742	0.621742	1.040897	0.514924	0.349562	0.699176	1.599120
4917	1.021534	1.022747	1.022747	1.115318	0.178455	0.350633	3.194488	1.289991
4918	0.930044	0.821221	0.821221	0.572343	0.432062	0.348661	3.557907	1.351878
4919	1.032408	0.691511	0.691511	0.477697	0.891187	1.201334	0.508864	1.085684
4920	1.131339	1.219644	1.219644	1.076392	1.121705	0.402029	1.077150	0.969421
4921	1.027851	0.949087	0.949087	0.870111	0.370427	0.592229	0.745492	0.875905
4922	0.964318	1.043265	1.043265	0.916891	0.499518	1.543765	0.617435	1.235180
4923	0.828231	1.007609	1.007609	1.037402	3.207786	2.282872	0.933107	1.137789
4924	0.981706	0.528712	0.528712	0.989704	0.514832	0.328988	0.885463	0.845762
4925	0.970041	0.341793	0.341793	0.577205	1.702887	1.145096	1.742782	0.782469
4926	1.087425	1.061139	1.061139	0.621604	0.406220	2.374740	0.503520	1.156880
4927	1.147218	0.801409	0.801409	0.656493	0.319859	0.238818	3.201999	1.368111
4928	0.957799	0.726986	0.726986	0.964046	0.669729	2.693158	0.685419	1.314374
4929	1.070222	0.900684	0.900684	0.852943	3.161179	0.313022	0.730472	1.011808
4930	1.027129	1.298670	1.298670	0.711840	0.758611	0.600801	2.360968	1.371392
4931	1.207681	1.247179	1.247179	1.041312	0.980052	0.774091	0.797762	1.054090
4932	1.145302	0.812703	0.812703	0.212361	0.657753	0.368457	2.178148	1.085282
4933	1.001892	0.989527	0.989527	0.581924	0.265369	0.867330	2.335194	1.475706
4934	1.070423	1.163549	1.163549	1.128039	0.528211	0.601882	0.635118	1.097914
4935	1.075482	0.855402	0.855402	0.461912	2.738374	1.082477	2.359551	1.285019
4936	0.827662	1.111527	1.111527	0.909945	0.567436	0.319336	0.527034	1.312089
4937	1.016028	1.315255	1.315255	1.017911	0.552820	0.293709	4.283314	0.988461
4938	0.953478	0.732875	0.732875	0.971829	0.945941	2.016348	1.151608	1.370333
4939	0.954992	0.917589	0.917589	0.785318	1.736175	0.622778	2.164459	1.397631
4940	0.974664	1.076895	1.076895	0.872582	0.622301	0.255186	2.345088	1.504254
4941	1.115348	0.725144	0.725144	0.378824	0.371867	2.500722	0.504773	0.905943
4942	1.066674	1.016261	1.016261	0.766956	1.545446	1.002192	0.834223	1.557554
4943	0.899023	1.245488	1.245488	1.037979	2.208800	0.573219	2.107686	1.449429
4944	0.954698	0.617574	0.617574	0.479439	0.120003	1.190961	0.797901	0.933038
4945	0.792765	1.209912	1.209912	1.141363	1.198120	0.588338	0.582772	1.160490
4946	1.105844	1.198810	1.198810	0.917157	0.218488	2.066644	0.672637	1.108973
4947	1.023746	0.735980	0.735980	0.114321	1.348637	0.969624	1.645434	1.586063
4948	0.987069	1.038946	1.038946	1.018328	1.663348	0.419662	1.403750	0.799218
4949	1.029504	0.496842	0.496842	1.130078	0.568316	0.668376	0.658825	1.298957
4950	1.025959	0.779004	0.779004	0.808365	0.831852	0.983791	1.962770	1.252746
4951	0.975074	0.721661	0.721661	0.598718	1.827769	1.005318	0.681874	1.267195
4952	1.010827	1.185904	1.185904	1.049005	0.657676	1.408400	2.887526	0.830750
4953	1.115855	1.322451	1.322451	0.822810	0.525808	0.389805	1.320498	1.239481
4954	1.019894	1.240137	1.240137	0.916559	0.372114	0.612557	0.583423	1.096229
4955	0.973655	0.771188	0.771188	0.814388	0.621608	3.232373	3.734100	0.944863
4956	1.012834	0.692567	0.692567	0.725620	1.009491	0.146773	0.856149	1.132966

Iteration	Recharge	Kh Layer 1	Kh Layer 2	Kh Layer 4	Kv Layer 3	Kv layer 5	Longitudinal Dispersivity	Aquifer Porosity
4957	1.161233	0.859972	0.859972	1.118312	0.568824	0.170804	1.098950	1.215691
4958	0.921467	0.552303	0.552303	0.770126	0.393035	0.545301	0.781118	0.940533
4959	0.934115	0.784057	0.784057	0.877816	0.650466	0.559239	0.952622	1.013512
4960	1.137078	1.093216	1.093216	0.946429	0.375341	0.464936	2.182813	0.940136
4961	1.104143	1.186245	1.186245	0.539825	1.683593	0.269079	4.933735	1.081775
4962	1.134779	1.123869	1.123869	0.844535	1.031826	0.950129	2.821729	0.863714
4963	0.856543	1.070968	1.070968	0.902552	1.628297	1.420437	0.651809	0.907930
4964	0.954032	0.691120	0.691120	0.945901	2.805592	0.380351	2.439190	1.409351
4965	1.063508	0.916160	0.916160	0.250058	0.252321	0.288644	0.976028	0.994736
4966	0.946024	1.093854	1.093854	1.019530	1.799776	0.364216	0.660471	1.091176
4967	0.944838	0.997972	0.997972	0.991031	0.511427	1.887007	1.119500	1.222297
4968	1.061665	0.586844	0.586844	1.085171	0.444850	0.520997	2.449941	1.151916
4969	1.098616	0.579774	0.579774	0.938449	0.792918	1.251825	0.709457	0.909270
4970	0.985827	1.031484	1.031484	1.037067	0.289500	0.381408	0.684761	1.353473
4971	1.013352	0.905426	0.905426	0.338623	0.647237	1.223831	0.581305	1.007753
4972	1.011811	0.848375	0.848375	0.831195	0.644267	0.373296	0.508391	1.667620
4973	0.982327	0.999366	0.999366	0.801089	1.304593	0.121352	1.425462	0.953719
4974	0.811865	0.948300	0.948300	0.637167	0.905030	1.176390	1.147585	1.152124
4975	1.019968	1.000732	1.000732	1.119467	1.367116	0.061329	0.783199	1.246197
4976	1.151559	1.237938	1.237938	0.705163	0.657445	0.873102	0.514322	1.004984
4977	0.927682	0.695508	0.695508	0.650348	0.926320	0.430969	1.187788	1.136224
4978	1.013991	1.260294	1.260294	1.114869	1.436769	0.298891	0.986631	0.996364
4979	0.843080	1.073062	1.073062	0.835444	0.245968	0.752160	0.944199	1.291152
4980	1.001332	1.132040	1.132040	1.094382	0.292229	1.140482	1.052907	1.126414
4981	0.917767	0.836861	0.836861	0.773633	1.071164	0.330376	2.263384	1.539415
4982	1.009113	1.096190	1.096190	1.120074	0.555760	0.463660	1.659346	0.921427
4983	0.879827	0.962057	0.962057	0.674829	0.268034	0.502101	3.005792	1.442985
4984	1.031238	1.156341	1.156341	1.017689	0.808026	0.372387	1.528410	1.319083
4985	1.107190	0.830295	0.830295	0.907781	0.576864	0.931559	0.507670	1.233259
4986	1.216460	0.550110	0.550110	0.731226	0.440588	0.800857	0.611596	1.287416
4987	0.789716	0.855570	0.855570	0.742663	0.642077	1.474614	0.683466	1.633857
4988	0.916238	0.765098	0.765098	0.736167	0.418400	0.095084	0.876382	1.539943
4989	1.277044	1.214520	1.214520	1.056483	0.469066	0.340896	5.239131	1.598604
4990	0.875802	1.116278	1.116278	0.713837	0.387783	0.268966	0.871592	1.427216
4991	0.945017	0.794819	0.794819	0.960868	0.654578	2.042513	2.831275	1.386049
4992	0.856736	0.669689	0.669689	0.835660	0.258373	1.375900	1.818491	1.613522
4993	0.849889	1.358298	1.358298	0.755962	0.268097	3.030076	0.933754	0.792134
4994	0.979645	0.888812	0.888812	0.885443	1.193947	0.115111	0.732701	0.936498
4995	1.093665	0.867538	0.867538	0.906278	0.827467	0.588080	0.743325	0.841554
4996	0.932569	0.853259	0.853259	0.525561	0.884005	1.694107	0.724199	1.154900
4997	1.004665	0.786685	0.786685	0.738166	1.287552	0.806350	2.187107	1.345878
4998	1.034217	0.878345	0.878345	1.000301	1.246045	1.059242	1.066990	1.098670
4999	1.147494	1.308559	1.308559	0.778127	0.961371	0.887934	1.260131	1.023512
5000	0.960996	0.902836	0.902836	0.506224	0.515217	0.703916	4.896951	1.091430

Listing of Iteration Results

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1	yes	-28	-1					yes	-28	-2			1
2	yes	0	-4					yes	0	-3			2
3	yes	-22	-1					yes	-26	-1			3
4	yes	-30	-2					yes	-30	-2			4
5	yes	-25	-2					yes	-20	-2			5
6	yes	-3	-1	yes	rejected			yes	-4	-1	yes	rejected	6
7	yes	-32	-3					yes	-31	-3			7
8	yes	-13	-2					yes	-7	-2			8
9	yes	-9	0					yes	-9	-1			9
10	yes	-7	-1					yes	-3	-2	yes	4.74	10
11	no							no					11
12	yes	-33	-4					yes	-16	-4			12
13	yes	-9	-3					yes	-5	-2	yes	4.92	13
14	yes	-9	0					yes	-7	0			14
15	no							no					15
16	no							yes	-27	-1			16
17	yes	-9	-3					yes	-13	-3			17
18	no							yes	-14	0			18
19	no							no					19
20	yes	-5	-2	yes	2.19	yes	1.23	yes	-3	-2	yes	1.75	20
21	yes	-23	-1					yes	-22	-1			21
22	yes	-5	-3					yes	-9	-3			22
23	yes	-31	-2					yes	-29	-1			23
24	yes	0	-3					yes	-1	-4			24
25	yes	-36	-5					yes	-16	-3			25
26	no							no					26
27	yes	0	-1	yes	3.04	yes	0.37	yes	0	-1	yes	3.26	27
28	yes	-28	-1					yes	-29	-1			28
29	yes	-36	-3					yes	-30	-1			29
30	no							no					30
31	yes	-1	-3					yes	-14	-3			31
32	yes	-17	0					yes	-23	-1			32
33	yes	-30	-2					yes	-30	-2			33
34	no							no					34
35	yes	-3	-1	yes	2.51	yes	3.64	yes	-4	-1	yes	rejected	35
36	yes	-34	-2					yes	-25	-1			36
37	no							no					37
38	yes	-1	-1	yes	2.5	yes	2.79	yes	0	-3			38
39	yes	-18	-1					yes	-3	-1	yes	1.8	39
40	yes	-20	-2					yes	-25	-2			40
41	yes	0	-1	yes	2.11	yes	3.99	no					41

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
42	yes	-28	-2					yes	-31	-2			42
43	yes	-4	0	yes	1.87	yes	3.84	yes	-4	-1	yes	rejected	43
44	yes	-4	-2	yes	0.27	yes	1.55	yes	-3	-2	yes	-0.00233	44
45	yes	-29	-3					yes	-29	-2			45
46	no							no					46
47	yes	-20	-2					yes	-27	-3			47
48	yes	-3	-1	yes	3.35	yes	-0.77	yes	0	-1	yes	-0.25	48
49	no							no					49
50	no							yes	-7	-1			50
51	yes	-9	-2					yes	-5	-2	yes	2.25	51
52	yes	-21	-1					yes	-25	-1			52
53	yes	-30	-5					no					53
54	no							no					54
55	yes	-1	-2	yes	rejected			no	-5	-1	yes	-0.42	55
56	yes	-26	-2					yes	-8	-2			56
57	yes	-8	-2					yes	-3	0	yes	0.0471	57
58	no							yes	-22	-2			58
59	no							yes	-30	0			59
60	yes	-32	0					yes	-14	-3			60
61	yes	-28	-3					yes	-5	-1	yes	-0.49	61
62	yes	-4	-2	yes	1.56	yes	-0.85	yes	-3	-3			62
63	no							yes	-9	-4			63
64	yes	-10	-4					yes	-5	-1	yes	3.28	64
65	no							yes	-8	-1			65
66	yes	-14	-2					yes	-11	0			66
67	yes	-11	0					no					67
68	no							no	-2	-1	yes	-0.69	68
69	no							yes	-5	-1	yes	3.08	69
70	yes	-12	-2					yes	-18	-1			70
71	yes	-7	-1					yes	-3	-1	yes	0.0753	71
72	yes	-27	-1					yes	-4	-1	yes	-0.38	72
73	yes	-3	-1	yes	1.71	yes	2.45	yes	-3	-2	yes	rejected	73
74	yes	-6	-1					yes	-1	-1	yes	1.14	74
75	yes	-10	-3					no					75
76	yes	0	-1	yes	1.46	yes	0.27	yes	-29	-2			76
77	no							no					77
78	yes	-29	-2					yes	-17	0			78
79	no							no					79
80	no							yes	0	-3			80
81	no							no					81
82	yes	-1	-4					yes					82

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
83	yes	-8	-1					yes	-8	-1			83
84	yes	-25	-4					yes	-30	-4			84
85	yes	-23	-3					yes	-24	-3			85
86	no							no					86
87	yes	-7	-1					yes	-3	-1	yes	1.67	87
88	no							no					88
89	yes	-4	-1	yes	-0.5	yes	-0.56	yes	-4	-1	yes	1.72	89
90	yes	-11	-2					no					90
91	yes	-28	-1					yes	-30	-1			91
92	yes	-22	-2					yes	-13	-2			92
93	no							yes	-3	-1	yes	1.06	93
94	yes	-6	-1					yes	-3	0	yes	4.95	94
95	yes	-10	-2					no					95
96	yes	-3	-1	yes	-0.35	yes	-0.44	yes	-3	-1	yes	0.29	96
97	yes	-3	-1	yes	2.07	yes	1.23	yes	-3	-1	yes	0.13	97
98	yes	-6	-3					yes	-7	-3			98
99	yes	-30	-2					yes	-30	-2			99
100	yes	-23	-3					yes	-23	-3			100
101	no							no					101
102	yes	-21	-3					yes	-25	-3			102
103	yes	0	-4					yes	-1	-4			103
104	yes	-3	-2	yes	1.49	yes	1.53	yes	-3	-2	yes	3.99	104
105	yes	-29	-1					yes	-8	-1			105
106	no							no					106
107	yes	0	-1	yes	2.32	no		yes	0	-1	yes	1.6	107
108	yes	-3	-1	yes	-0.29	no		yes	-4	-1	yes	3.03	108
109	yes	-4	-2	yes	2.06	no		yes	-5	-2	yes	-0.78	109
110	no							no					110
111	yes	-8	-1					no					111
112	yes	-3	-3					yes	-3	-3			112
113	yes	-9	0					yes	-12	0			113
114	yes	-9	0					yes	-5	0	yes	3.42	114
115	yes	-3	-2	yes	4.05	yes	0.35	yes	-6	-2			115
116	yes	-19	-2					yes	-7	-3			116
117	yes	-35	-2					yes	-13	-1			117
118	yes	-34	-2					no					118
119	no							no					119
120	yes	-2	-2	yes	1.48	yes	1.79	no					120
121	yes	-11	-1					yes	0	-1	yes	4.29	121
122	yes	-3	-3					yes	-4	-2	yes	0.35	122
123	yes	-27	-1					yes	-26	-2			123

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
124	yes	-13	-2					yes	-8	-1			124
125	yes	0	-1	yes	2.37	yes	1.8	no					125
126	yes	-33	-1					yes	-29	-1			126
127	yes	-8	-2					no					127
128	yes	-3	-1	yes	2.21	yes	1.7	yes	-3	-1	yes	-0.94	128
129	no							yes	-4	0	yes	-0.31	129
130	no							no					130
131	no							no					131
132	no							no					132
133	yes	-34	-2					yes	-33	-2			133
134	yes	-7	-3					yes	-4	-2	yes	2.45	134
135	no							yes	-10	-2			135
136	yes	-27	-2					yes	-31	-2			136
137	no							no					137
138	yes	-6	-1					yes	-3	-2	yes	-0.34	138
139	yes	-5	-4					yes	-6	-3			139
140	no							yes	-4	-2	yes	3.14	140
141	no							no					141
142	yes	-1	-1	yes	3.03	yes	0.39	no					142
143	yes	-26	-3					no					143
144	yes	-23	-1					yes	-22	-1			144
145	yes	-6	-2					yes	-3	-1	yes	0.0241	145
146	yes	-26	-2					yes	-25	-2			146
147	no							no					147
148	yes	-31	-5					yes	-30	-4			148
149	no							no					149
150	yes	-15	-2					yes	-3	-1	yes	2.58	150
151	yes	-8	-1					yes	-6	0			151
152	no							yes	-3	0	yes	0.89	152
153	yes	0	-3					yes	0	-3			153
154	yes	-5	-1	yes	2.08	yes	-0.19	yes	-5	-1	yes	0.15	154
155	yes	0	-1	yes	2.46	yes	3.51	yes	0	-1	yes	0.0761	155
156	no							no					156
157	no							yes	-30	-3			157
158	yes	0	-2	yes	-0.29	yes	-0.48	yes	0	-2	yes	1.46	158
159	no							no					159
160	no							no					160
161	yes	-29	-3					yes	-30	-3			161
162	yes	-3	0	yes	1.51	yes	3.67	yes	-3	0	yes	-0.3	162
163	yes	-1	-1	yes	1.09	yes	0.48	yes	-1	-2	yes	-0.42	163
164	yes	-31	-2					yes	-11	-1			164

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
165	no							no					165
166	no							no					166
167	yes	-3	-1	yes	0.0154	yes	-0.28	yes	-3	-1	yes	1.04	167
168	no							no					168
169	no							yes	-5	-2	yes	2.79	169
170	no							no					170
171	yes	-5	-1	yes	-0.33	yes	0.71	yes	-5	-1	yes	-0.41	171
172	yes	-1	-1	yes	-0.31	yes	-0.16	yes	-2	-1	yes	1.51	172
173	no							no					173
174	yes	0	-2	yes	2.33	no		yes	-8	-4			174
175	yes	-16	-1					yes	-10	-1			175
176	no							no					176
177	yes	-7	-2					yes	-4	-2	yes	-0.0743	177
178	yes	0	-1	yes	0.0533	yes	0.8	yes	-10	-1			178
179	yes	-11	-1					yes	-3	-1	yes	3.81	179
180	no							yes	-4	0	yes	0.21	180
181	yes	0	-3					yes	0	-3			181
182	no							no					182
183	no							no					183
184	yes	-14	-2					yes	-13	-2			184
185	no							no					185
186	yes	-4	-1	yes	0.75	yes	3.1	yes	-3	-1	yes	1.43	186
187	no							no					187
188	yes	0	-1	yes	0.11	yes	0.55	yes	-6	-3			188
189	no							no					189
190	no							yes	-6	0			190
191	no							no					191
192	yes	-31	0					yes	-28	0			192
193	yes	0	0	yes	-0.52	yes	1.23	yes	0	0	yes	1.87	193
194	yes	-15	-1					yes	-13	-1			194
195	yes	-24	-2					yes	-21	-4			195
196	yes	-8	-3					yes	-26	-3			196
197	no							no					197
198	no							no					198
199	yes	-3	-2	yes	1.71	yes	1.27	yes	-4	-2	yes	0.66	199
200	yes	-3	-2	yes	-0.59	yes	-0.46	yes	-5	-2	yes	1.9	200
201	no							no					201
202	yes	-2	-2	yes	-0.82	yes	-1.3	yes	0	-1	yes	-0.26	202
203	no							no					203
204	yes	-21	0					yes	-20	0			204
205	yes	-19	-2					yes	-17	-3			205

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
206	yes	-31	0					yes	-22	0			206
207	no							yes	-32	-3			207
208	no							no					208
209	no							yes	-28	-2			209
210	no							yes	-30	-1			210
211	yes	0	-3					yes	0	-3			211
212	yes	-5	-3					yes	-4	-2	yes	-0.54	212
213	no							no					213
214	no							no					214
215	yes	-36	-1					yes	-36	-1			215
216	yes	-19	-2					yes	-9	-2			216
217	no							no					217
218	yes	-14	-3					yes	-11	-4			218
219	no							no					219
220	no							yes	-3	-2	yes	3.1	220
221	no							no					221
222	yes	-28	-2					yes	-21	-2			222
223	yes	-31	-2					yes	-25	-2			223
224	yes	-19	-1					yes	-20	-1			224
225	yes	-3	-1	yes	3.47	yes	-0.94	yes	-3	-1	yes	1.05	225
226	yes	-27	-2					yes	-27	-2			226
227	yes	-31	-2					yes	-13	-3			227
228	yes	-6	-5					yes	-8	-4			228
229	no							no					229
230	yes	-26	-2					yes	-20	-1			230
231	yes	-3	-1	yes	0.89	yes	1.62	yes	-3	0	yes	0.91	231
232	yes	-1	-1	yes	-0.28	yes	0.47	yes	-1	-2	yes	-0.7	232
233	no							no					233
234	no							no					234
235	yes	-33	-2					yes	-28	-2			235
236	yes	-6	-3					no					236
237	no							no					237
238	yes	-3	-3					yes	-3	-3			238
239	yes	-2	-1	yes	-0.0965	yes	3.58	no					239
240	yes	-27	-3					yes	-29	-3			240
241	yes	-30	-3					yes	-29	-3			241
242	yes	-31	-2					yes	-30	-2			242
243	yes	-4	-2	yes	0.12	yes	0.6	yes	0	-1	yes	-0.0615	243
244	yes	-31	0					yes	-33	0			244
245	yes	-17	-3					yes	-7	-3			245
246	yes	-8	-2					yes	-8	-2			246

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
247	yes	-32	-3					yes	-32	-3			247
248	yes	-23	-1					no					248
249	yes	-2	-1	yes	-0.66	yes	0.41	yes	0	-1	yes	-0.57	249
250	yes	-19	-3					yes	-19	-3			250
251	yes	-31	-3					yes	-31	-3			251
252	yes	-4	-1	yes	1.26	no		yes	-4	-1	yes	-0.24	252
253	yes	0	-1	yes	1.48	yes	-0.73	yes	0	-1	yes	-0.44	253
254	yes	-9	-3					yes	-12	-3			254
255	no							no					255
256	yes	-27	-2					yes	-28	-2			256
257	yes	-15	-2					yes	-8	-2			257
258	yes	-32	-2					no					258
259	yes	-15	-2					yes	-19	-2			259
260	no							no					260
261	yes	-32	-4			yes	0.57	yes	-32	-2			261
262	yes	-5	0	yes	0.17	yes	-0.88	yes	-5	-1	yes	0.34	262
263	yes	0	-1	yes	2.22	yes		yes	0	-1	yes	1.1	263
264	yes	-22	-2					yes	-10	-2			264
265	yes	-13	-3					yes	-13	-3			265
266	yes	-6	-2					yes	-6	-2			266
267	no							no					267
268	yes	-28	-2					yes	-16	-3			268
269	no							no					269
270	yes	-8	-1					yes	-10	-1			270
271	no							no					271
272	yes	-8	-1					yes	-6	-1			272
273	yes	-7	-2					yes	-7	-2			273
274	no							no					274
275	yes	-28	-1					yes	-18	0			275
276	yes	-8	0					yes	-9	0			276
277	yes	-29	0					yes	-28	0			277
278	no							no					278
279	yes	-2	0	yes	0.21	yes	2.31	yes	-2	-1	yes	0.0908	279
280	yes	-4	-2	yes	2.54	yes	2.6	yes	-4	-2	yes	2.4	280
281	yes	-3	-1	yes	-0.29	yes	2.48	yes	-1	-1	yes	2.62	281
282	no							no					282
283	no							yes	-28	-2			283
284	yes	-32	-3					yes	-31	-2			284
285	no							yes	-25	-3			285
286	no							no					286
287	yes	-27	-2					yes	-28	-3			287

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
288	yes	-7	-1					yes	-5	0	yes	-0.075	288
289	yes	-10	-2					yes	-7	-1			289
290	yes	-29	-2					yes	-11	-1			290
291	yes	0	-3					yes	0	-3			291
292	yes	-5	-1	yes	rejected			yes	-2	-1	yes	3.84	292
293	yes	-4	-2	yes	-0.2	yes	1.37	yes	-4	-2	yes	0.0778	293
294	yes	-9	-1					yes	0	0	yes	-0.7	294
295	no							yes	-4	-1	yes	1.95	295
296	no							yes	-3	-1	yes	-0.52	296
297	yes	-6	-2					yes	-5	-2	yes	-0.14	297
298	yes	-4	-1	yes	2.8	yes	-0.44	yes	-12	-2			298
299	yes	-14	-2					yes	-3	0	yes	2.14	299
300	yes	-3	-2	yes	4.85	yes	2.02	yes	-3	-2	yes	0.0687	300
301	no							no					301
302	yes	-28	-1					yes	-22	-1			302
303	yes	-1	-3					yes	-6	-4			303
304	yes	-31	-2					yes	-31	-2			304
305	no							yes	-29	-3			305
306	yes	-13	0					yes	-12	0			306
307	yes	-5	-3					yes	-2	-3			307
308	no							no					308
309	no							yes	-3	0	yes	0.22	309
310	yes	-12	-1					yes	-4	-1	yes	1.23	310
311	no							no					311
312	yes	-27	-1					yes	-21	-1			312
313	yes	-9	-2					no					313
314	yes	-3	0	yes	0.8	no		yes	-3	0	yes	-0.52	314
315	yes	0	-1	yes	-0.14	yes	0.27	yes	0	-1	yes	2.45	315
316	yes	-29	-4					yes	-29	-4			316
317	no							no					317
318	yes	-10	-2					yes	-10	-2			318
319	yes	-16	-3					yes	-15	-3			319
320	no							no					320
321	no							yes	-5	-1	yes	1.54	321
322	yes	-4	-1	yes	4.94	yes	2.24	no					322
323	no							no					323
324	yes	-3	-2	yes	-0.56	yes	2.44	yes	-3	-2	yes	-0.67	324
325	yes	-4	-1	yes	1.37	yes	-0.15	yes	-4	-1	yes	2.51	325
326	yes	-14	-2					yes	-15	-2			326
327	no							no					327
328	yes	-5	-3					yes	-3	-2	yes	3.62	328

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
329	yes	-32	-5					no					329
330	yes	-7	-1					yes	-6	-1			330
331	yes	-5	-1	yes	0.16	yes	2.27	yes	-3	0	yes	0.82	331
332	yes	-25	-1					yes	-14	0			332
333	yes	-31	-4					yes	-27	-2			333
334	no							yes	-15	-3			334
335	yes	0	-1	yes	0.64	yes	0.52	yes	0	-1	yes	1.26	335
336	yes	-3	-2	yes	-0.37	yes	2.35	yes	-3	-2	yes	1.59	336
337	no							no					337
338	no							no					338
339	yes	-13	-1					yes	-16	-1			339
340	yes	-11	0					yes	-15	0			340
341	no							no					341
342	yes	-3	-3					yes	-8	-3			342
343	no							yes	-11	-2			343
344	no							yes	-29	-2			344
345	yes	-11	-4					yes	-18	-4			345
346	yes	-31	-1					yes	-16	-1			346
347	no							no					347
348	no							no					348
349	yes	-3	-2	yes	4.1	yes	3.59	yes	-3	-2	yes	0.3	349
350	no							no					350
351	no							no					351
352	no							no					352
353	yes	-11	-2					yes	-16	-2			353
354	no							no					354
355	yes	-8	-2					yes	-4	-3			355
356	yes	-3	-2	yes	0.0694	yes	1.26	yes	-3	-2	yes	2.23	356
357	no							yes	-9	-4			357
358	no							yes	-24	-1			358
359	no							no					359
360	yes	-25	-1					yes	-18	-1			360
361	no							no					361
362	yes	-25	-3					yes	-13	-3			362
363	yes	-14	-1					yes	-3	-1	yes	-0.64	363
364	no							no					364
365	yes	-11	0					yes	-11	0			365
366	yes	-22	-2					yes	-3	-1	yes	2.96	366
367	yes	-11	-2					yes	-4	-2	yes	-0.74	367
368	yes	-10	-1					yes	-6	-1			368
369	yes	-21	-2					yes	-6	-1			369

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
370	no							no					370
371	yes	-3	-1	yes	0.33	no		yes	-3	-1	yes	-0.3	371
372	yes	-3	-1	yes	3.48	yes	3.4	yes	-2	-1	yes	0.88	372
373	no							no					373
374	yes	-33	-2					yes	-24	-2			374
375	yes	-16	0					no					375
376	no							yes	-11	-1			376
377	no							yes	-7	-1			377
378	no							no					378
379	no							no					379
380	yes	-33	-2					yes	-28	-2			380
381	yes	-26	-2					yes	-23	-2			381
382	yes	-24	0					yes	-26	0			382
383	yes	-25	-2					yes	-10	-3			383
384	yes	-8	-2					yes	-6	-2			384
385	yes	-25	-2					yes	-23	-2			385
386	yes	-22	-3					yes	-20	-3			386
387	yes	0	-1	yes	4.58	yes	0.39	yes	0	0	yes	-0.47	387
388	yes	-4	-1	yes	-0.18	yes	1.58	yes	-4	-1	yes	0.93	388
389	yes	-15	-2					yes	-8	-1			389
390	yes	0	-4					yes	-1	-3			390
391	yes	-18	-3					no					391
392	yes	-30	-2					yes	-30	-2			392
393	no							no					393
394	yes	-31	-3					no					394
395	yes	-13	-1					no					395
396	no							no					396
397	no							no					397
398	yes	-2	-2	yes	1.94	yes	0.55	yes	0	-2	yes	2.03	398
399	yes	-19	-2					yes	-12	-3			399
400	yes	-3	-1	yes	rejected			yes	-2	-1	yes	rejected	400
401	no							no					401
402	yes	-14	-4					yes	-9	-3			402
403	no							no					403
404	yes	-15	-1					yes	-3	-1	yes	0.0934	404
405	yes	-14	-2					yes	-4	-3			405
406	yes	-33	-2					yes	-33	-2			406
407	no							no					407
408	yes	0	-3					yes	0	-3			408
409	yes	-28	-1					yes	-30	0			409
410	no							yes	-11	0			410

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
411	yes	-11	-1					yes	-13	-1			411
412	no							no					412
413	no							no					413
414	yes	-14	-1					yes	0	-1	yes	0.76	414
415	yes	-21	-2					yes	-12	-2			415
416	yes	-3	-2	yes	0.00556	yes	-0.0481	yes	-14	-2			416
417	yes	-29	-2					yes	-30	-2			417
418	yes	-5	-2	yes	rejected			yes	-6	-2			418
419	yes	-3	-2	yes	-0.5	yes	0.25	no					419
420	no							no					420
421	no							no					421
422	yes	-28	-4					yes	-9	-4			422
423	yes	-33	-2					yes	-24	-3			423
424	yes	-3	-2	yes	4.53	yes	rejected	yes	-3	-2	yes	-0.22	424
425	yes	-6	-1					yes	-5	-1	yes	1.78	425
426	no							no					426
427	no							no					427
428	no							no					428
429	yes	-31	-3					yes	-28	-2			429
430	no							no					430
431	yes	0	-1	yes	1.15	yes	1.63	yes	-1	-1	yes	3.09	431
432	no							yes	-19	-2			432
433	yes	-29	-2					no					433
434	yes	-12	-3					yes	0	-3			434
435	yes	-3	-4					no					435
436	yes	-26	-2					yes	-28	-2			436
437	yes	-27	-1					yes	-27	-1			437
438	yes	-16	-3					yes	-19	-3			438
439	no							no					439
440	yes	-14	-3					yes	-7	-3			440
441	yes	-30	-1					yes	-8	0			441
442	yes	-5	-1	yes	3.96	yes	2.08	yes	-3	0	yes	-0.0031	442
443	yes	-13	-3					no					443
444	no							no					444
445	yes	-27	-1					yes	-12	0			445
446	yes	-10	-2					yes	-17	-2			446
447	yes	-28	-3					yes	-27	-3			447
448	yes	-27	-3					yes	-22	-2			448
449	yes	-4	-1	yes	-0.0254	yes	0.0475	yes	-4	-1	yes	1.31	449
450	no							no					450
451	yes	-3	-2	yes	rejected			yes	-3	-1	yes	0.89	451

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
452	yes	-24	-2					no					452
453	no							no					453
454	yes	-4	0	yes	0.0982	yes	1.19	yes	-3	-1	yes	0.0482	454
455	no							no					455
456	yes	-34	-3					yes	-32	-3			456
457	yes	-3	-3					yes	0	-3			457
458	no							no					458
459	yes	-34	-1					yes	-8	0			459
460	yes	-9	-5					yes	-11	-5			460
461	no							no					461
462	yes	-10	-1					yes	-2	0	yes	1.1	462
463	yes	-2	-3					yes	0	-3			463
464	yes	-4	-3					yes	-4	-3			464
465	no							no					465
466	yes	-28	-3					yes	-24	-2			466
467	no							no					467
468	yes	-29	-1					yes	-16	0			468
469	yes	-7	-1					yes	-3	0	yes	2	469
470	yes	-4	-2	yes	1.28	yes	-0.11	yes	-4	-2	yes	-0.13	470
471	yes	-25	-1					yes	-27	-1			471
472	yes	-19	-3					no					472
473	yes	-3	-1	yes	0.41	yes	-0.0805	yes	-24	-3			473
474	no							no					474
475	yes	-10	0					yes	-10	0			475
476	yes	-10	-1					yes	-10	-1			476
477	no							yes	-31	0			477
478	yes	-26	-4					yes	-16	-3			478
479	yes	-4	-4					yes	-4	-4			479
480	yes	-23	-3					yes	-23	-3			480
481	yes	-32	-2					yes	-30	-2			481
482	yes	-3	-3					yes	-3	-3			482
483	yes	-8	-2					yes	0	-1	yes	1.65	483
484	yes	-30	-3					yes	-30	-2			484
485	yes	-15	-1					yes	-11	-2			485
486	yes	-2	-3					yes	-2	-3			486
487	no							no					487
488	yes	-28	-2					yes	-10	-2			488
489	no							no					489
490	yes	-3	0	yes	0.66	yes	0.056	yes	-3	0	yes	-0.77	490
491	yes	-14	-3					yes	-9	-4			491
492	yes	-7	-1					yes	-7	-1			492

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
493	yes	-32	-2					yes	-19	-2			493
494	no							no					494
495	yes	0	-3					yes	-2	-2	yes	3.12	495
496	yes	-29	-1					yes	-28	0			496
497	yes	-8	-1					yes	-8	-1			497
498	yes	0	-1	yes	2.19	yes	1.85	yes	-1	-1	yes	-0.0957	498
499	yes	-3	-3					no					499
500	yes	-2	-3					yes	-2	-3			500
501	yes	-4	-1	yes	3.99	yes	rejected	yes	-4	-1	yes	2.08	501
502	yes	-3	0	yes	-0.21	yes	-0.12	yes	-3	0	yes	0.72	502
503	yes	-30	-2					yes	-30	-2			503
504	no							no					504
505	no							no					505
506	yes	-4	-2	yes	1.82	yes	1.7	yes	-4	-2	yes	-0.53	506
507	yes	-3	-3					yes	-3	-3			507
508	yes	-25	-2					yes	-25	-2			508
509	yes	-1	-1	yes	1.8	yes	1.19	yes	-11	-3			509
510	yes	-2	-1	yes	4.24	yes	0.99	yes	-3	-2	yes	-0.2	510
511	yes	0	-1	yes	-0.13	yes	2.76	yes	-1	-1	yes	2.12	511
512	yes	-14	-1					yes	-11	-1			512
513	yes	-5	-3					yes	-6	-3			513
514	yes	-20	-1					yes	-13	-1			514
515	no							no					515
516	yes	-3	-1	yes	3.64	yes	0.32	yes	-4	-1	yes	0.18	516
517	no							no					517
518	yes	-14	-3					yes	-16	-3			518
519	yes	-36	-1					yes	-9	0			519
520	yes	-23	-1					yes	-9	0			520
521	yes	-3	-1	yes	0.57	yes	1.4	yes	-15	-3			521
522	yes	-29	-2					yes	-24	-2			522
523	yes	-31	-2					yes	-20	-1			523
524	yes	-4	-2	yes	rejected			yes	-3	-2	yes	0.0468	524
525	yes	-22	-2					yes	-5	-3			525
526	yes	-1	-3					yes	-1	-3			526
527	yes	-31	-1					yes	-30	-1			527
528	yes	-20	-1					yes	-10	-1			528
529	no							no					529
530	yes	-28	-1					yes	-19	0			530
531	no							no					531
532	yes	-3	-1	yes	-0.0346	yes	2.33	yes	-5	-1	yes	-0.4	532
533	no							no					533

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
534	no							no					534
535	yes	-30	-2					yes	-30	-2			535
536	yes	0	-2	yes	3.29	yes	-1.06	yes	-6	-1			536
537	yes	-36	-3					yes	-30	-3			537
538	yes	-12	-2					yes	-3	-1	yes	3.01	538
539	no							no					539
540	no							no					540
541	yes	-3	-1	yes	0.22	yes	-0.0201	yes	-2	-1	yes	2.31	541
542	yes	-4	-1	yes	-0.0731	yes	-0.29	yes	-4	-1	yes	-0.21	542
543	yes	-24	-2					yes	-12	-1			543
544	yes	-32	-1					yes	-29	-1			544
545	yes	-14	-1					yes	-18	-1			545
546	yes	-4	-3					yes	-7	-3			546
547	yes	-20	-3					yes	-16	-3			547
548	yes	-4	-1	yes	1.88	yes	-0.25	yes	-3	-2	yes	4.55	548
549	yes	-5	-2	yes	1.34	yes	0.27	yes	-6	-2			549
550	yes	-29	-1					yes	-12	-1			550
551	yes	-27	-2					yes	-22	-2			551
552	yes	-32	-1					yes	-25	-1			552
553	yes	0	-1	yes	1.15	yes	-0.1	yes	0	-1	yes	3.31	553
554	yes	-1	-3					yes	-1	-3			554
555	yes	-2	-2	yes	-0.7	no		no					555
556	yes	-7	-1					yes	-3	-1	yes	3.99	556
557	yes	-22	-1					yes	-22	-1			557
558	yes	-3	-1	yes	0.0191	yes	1.03	yes	-2	-1	yes	0.76	558
559	yes	-6	-1					yes	-10	-1			559
560	no							yes	-3	-3			560
561	no							no					561
562	yes	-3	-1	yes	0.36	yes	2.26	yes	-9	0			562
563	no							no					563
564	yes	-25	-1					yes	-25	-1			564
565	yes	-34	-2					yes	-33	-2			565
566	yes	-4	-1	yes	4.19	yes	1.5	yes	-3	-1	yes	0.48	566
567	yes	-31	-1					yes	-28	-1			567
568	no							no					568
569	yes	-11	0					yes	-13	-1			569
570	yes	-4	-1	yes	1.21	yes	-0.55	yes	-4	-1	yes	3.91	570
571	no							no					571
572	yes	-31	-1					yes	-25	-1			572
573	no							no					573
574	yes	-16	-2					no					574

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
575	yes	-36	-4					yes	-27	-2			575
576	yes	-19	-1					yes	-4	-1	yes	3.4	576
577	yes	-25	-1					no					577
578	no							no					578
579	no							no					579
580	yes	-4	-1	yes	-0.0368	yes	1.24	yes	-6	-1			580
581	yes	-10	-2					yes	-9	-2			581
582	yes	-4	-3					no					582
583	yes	-29	-2					yes	-20	-1			583
584	no							no					584
585	yes	-28	-2					yes	-18	-2			585
586	yes	-23	-1					yes	-24	-1			586
587	yes	-18	-3					yes	-16	-3			587
588	yes	-29	-3					yes	-29	-2			588
589	no							no					589
590	yes	-19	-2					yes	-3	-4			590
591	yes	-3	-2	yes	0.13	yes	0.19	yes	-4	-2	yes	-0.00348	591
592	yes	-4	-3					yes	-3	-3			592
593	yes	-3	-1	yes	1.15	yes	0.15	yes	-4	-1	yes	3.82	593
594	yes	-5	0	yes	4.02	yes	-0.33	no					594
595	yes	-20	0					yes	-14	-1			595
596	no							yes	-18	-3			596
597	yes	-3	-1	yes	2.41	no		yes	0	-1	yes	-0.55	597
598	yes	-21	-2					yes	-10	-1			598
599	no							no					599
600	no							no					600
601	yes	-4	-2	yes	2.61	yes	0.11	yes	-4	-2	yes	1.84	601
602	no							no					602
603	no							no					603
604	yes	-7	-1					yes	-22	-2			604
605	no							yes	-7	-3			605
606	yes	0	-3					yes	0	-3			606
607	yes	-27	-1					no					607
608	no							no					608
609	yes	-13	-1					yes	-3	0	yes	3.82	609
610	yes	-4	-1	yes	rejected			yes	-3	0	yes	2.02	610
611	no							no					611
612	yes	-7	-2					yes	-8	-2			612
613	no							no					613
614	yes	-3	-2	yes	rejected			yes	-3	-2	yes	0.58	614
615	no							no					615

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
616	yes	-1	-1	yes	2.59	yes	3.39	yes	0	-1	yes	-0.37	616
617	no							no					617
618	yes	0	-3					yes	0	-4			618
619	no							no					619
620	yes	-30	-3					yes	-23	-4			620
621	yes	-2	-3					yes	-2	-3			621
622	yes	-36	-4					yes	-32	-2			622
623	yes	-3	-2	yes	-0.22	yes	2.34	no					623
624	yes	-19	-2					no					624
625	yes	-6	-1					yes	-6	-1			625
626	no							yes	-3	0	yes	0.45	626
627	yes	-11	-3					yes	-7	-3			627
628	yes	-34	-1					yes	-28	-1			628
629	yes	-28	-1					yes	-32	0			629
630	yes	-31	-1					yes	-15	-2			630
631	yes	-27	-2					yes	-6	-2			631
632	yes	-16	-2					yes	-18	-2			632
633	yes	-3	-2	yes	-0.27	yes	1.33	yes	-3	-2	yes	0.24	633
634	yes	-6	-2					yes	-2	-1	yes	1.06	634
635	yes	-5	-1	yes	1.56	yes	3.4	yes	-12	-1			635
636	yes	-11	0					yes	-11	0			636
637	yes	-4	0	yes	0.17	yes	1.15	yes	-4	0	yes	-0.53	637
638	no							no					638
639	no							yes	-6	-3			639
640	yes	-29	-3					yes	-24	-1			640
641	yes	-6	-2					yes	-6	-2			641
642	yes	-3	0	yes	1.52	yes	1.12	yes	-3	0	yes	1.59	642
643	yes	0	0	yes	-0.19	no		no					643
644	yes	-22	-1					yes	-14	-1			644
645	yes	-2	-3					yes	-7	-3			645
646	yes	-31	-3					yes	-29	-3			646
647	yes	-26	-4					yes	-21	-4			647
648	yes	-14	-1					yes	-12	-1			648
649	no							no					649
650	yes	-13	-2					yes	-13	-2			650
651	yes	-8	-3					yes	-9	-3			651
652	yes	-28	0					yes	-18	0			652
653	no							no					653
654	yes	-25	-1					yes	-11	0			654
655	yes	-27	-3					no					655
656	yes	-8	-3					yes	-3	-3			656

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
657	yes	-2	-3					no					657
658	no							no					658
659	yes	-33	-2					yes	-23	-3			659
660	no							yes	-18	0			660
661	yes	-9	-2					no					661
662	no							no					662
663	yes	-17	-2					yes	-17	-2			663
664	yes	-26	-3					yes	-26	-3			664
665	no							no					665
666	yes	-3	-1	yes	2.9	no		yes	-3	-1	yes	0.52	666
667	yes	-7	-1					yes	-3	-2	yes	2.11	667
668	yes	0	-1	yes	0.0342	yes	1.83	yes	0	-2	yes	3.07	668
669	yes	-22	-3					yes	-26	-3			669
670	no							no					670
671	yes	-4	-2	yes	0.16	yes	4.71	yes	-5	-2	yes	0.21	671
672	yes	-32	-1					yes	-17	0			672
673	yes	-3	-3					yes	-2	-3			673
674	yes	-5	-2	yes	0.31	yes	0.24	yes	-3	-2	yes	1.08	674
675	yes	-3	-1	yes	4.28	yes	0.23	yes	-3	-1	yes	3.6	675
676	no							no					676
677	yes	-12	0					yes	-13	-1			677
678	no							yes	-13	-5			678
679	yes	0	-1	yes	3.67	yes	1.45	no					679
680	yes	-3	0	yes	3.27	yes	1.86	yes	-3	0	yes	1.83	680
681	yes	-32	-3					yes	-24	-2			681
682	yes	-30	-2					yes	-9	-1			682
683	no							yes	-16	-4			683
684	no							no					684
685	no							yes	0	-1	yes	-0.41	685
686	yes	-5	-1	yes	rejected			yes	0	-1	yes	0.26	686
687	no							yes	-17	-3			687
688	yes	-12	-3					yes	-6	-3			688
689	yes	-17	-3					yes	-15	-3			689
690	yes	-2	-1	yes	4.57	yes	1.79	yes	-3	-1	yes	1.67	690
691	yes	-18	-1					yes	-11	-1			691
692	yes	0	-2	yes	-0.25	yes	2.64	yes	-2	-2	yes	0.96	692
693	yes	-27	-1					no					693
694	yes	0	-1	yes	-0.33	yes	-0.49	yes	-3	-1	yes	1.6	694
695	yes	-7	-2					yes	-7	-2			695
696	yes	-28	-2					yes	-29	-2			696
697	yes	-27	-2					no					697

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
698	yes	-4	-3					yes	-3	-3			698
699	yes	-30	-2					yes	-27	-1			699
700	no							no					700
701	no							no					701
702	yes	-32	-3					no					702
703	no							no					703
704	yes	-24	-3					yes	-20	-3			704
705	yes	0	-2	yes	3.26	yes	0.0552	yes	0	-1	yes	1.01	705
706	no							no					706
707	yes	-30	-3					yes	-21	-3			707
708	yes	0	-1	yes	4.87	yes	0.58	yes	0	-1	yes	0.82	708
709	yes	-1	-1	yes	-0.78	yes	1.3	yes	-3	-2	yes	2.57	709
710	yes	-30	-3					yes	-9	-5			710
711	no							no					711
712	yes	-26	-2					yes	-26	-2			712
713	yes	-18	-2					yes	-17	-2			713
714	yes	-1	-1	yes	0.0574	yes	0.23	no					714
715	yes	-4	-1	yes	3.45	yes	-0.0802	yes	-3	-1	yes	3.69	715
716	yes	-27	-2					yes	-26	-2			716
717	yes	-26	-1					no					717
718	no							no					718
719	yes	-4	-1	yes	-0.47	yes	-0.78	yes	-4	-1	yes	-0.57	719
720	yes	0	-1	yes	1.27	yes	1.89	yes	0	-1	yes	3.16	720
721	no							yes	-1	-2	yes	-0.63	721
722	no							yes	-3	-2	yes	2.89	722
723	yes	0	-3					yes	0	-3			723
724	yes	-11	-2					yes	-4	-2	yes	-0.97	724
725	yes	-15	-2					yes	-23	-2			725
726	yes	-9	-1					yes	-6	-1			726
727	yes	-3	-1	yes	1.92	no		yes	-4	-1	yes	0.0672	727
728	yes	-11	-2					yes	-11	-2			728
729	no							no					729
730	yes	-22	-1					yes	-7	-2			730
731	no							yes	-2	-2	yes	-0.42	731
732	yes	-33	-2					yes	-34	-2			732
733	no							no					733
734	yes	-35	-5					yes	-14	-1			734
735	yes	-20	-1					no					735
736	yes	-20	-2					no					736
737	yes	-27	-1					yes	-28	-1			737
738	yes	-3	0	yes	0.18	yes	rejected	yes	-3	0	yes	1.1	738

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
739	yes	-26	-3					yes	-23	-3			739
740	yes	-9	-1					yes	-9	-1			740
741	yes	-10	-1					yes	-8	-1			741
742	yes	-4	-2	yes	-0.68	no		no					742
743	yes	-6	-1					yes	-2	-2	yes	-0.41	743
744	yes	-29	-3					no					744
745	yes	-28	-3					yes	-15	-3			745
746	yes	0	-3					yes	0	-3			746
747	yes	-3	-1	yes	1.67	yes	0.72	yes	-3	-2	yes	0.9	747
748	yes	-31	-1					no					748
749	yes	0	-1	yes	3.06	yes	2.04	yes	-7	-3			749
750	yes	0	-2	yes	-0.21	yes	4.04	yes	0	-1	yes	-0.16	750
751	yes	0	-3					no					751
752	yes	-12	-3					yes	-17	-3			752
753	yes	-19	-3					yes	-23	-3			753
754	no							no					754
755	no							no					755
756	yes	-13	-3					yes	-3	-1	yes	-0.46	756
757	yes	0	-1	yes	-0.66	yes	1.04	yes	0	-1	yes	0.17	757
758	no							no					758
759	yes	-16	-2					yes	-4	-1	yes	3.39	759
760	yes	-6	-1					yes	-3	0	yes	1.22	760
761	yes	-29	-1					yes	-20	-1			761
762	yes	-3	-3					yes	-1	-3			762
763	yes	-2	-1	yes	0.51	yes	2.31	yes	-9	-1			763
764	no							no					764
765	yes	-26	-1					yes	-12	0			765
766	yes	-4	-2	yes	0.23	no		no					766
767	yes	-16	-2					yes	-12	-2			767
768	yes	-8	-1					yes	-10	-1			768
769	yes	-28	-2					yes	-25	-2			769
770	no							yes	-5	-4			770
771	yes	0	-1	yes	0.16	yes	0.48	yes	0	-1	yes	1.71	771
772	yes	-2	0	yes	3.45	yes	1.33	yes	-3	0	yes	3.52	772
773	yes	0	0	yes	-0.37	yes	0.31	no					773
774	yes	-3	-3					yes	-4	-3			774
775	no							no					775
776	yes	-24	-3					yes	-19	-3			776
777	yes	-2	-2	yes	-0.18	yes	2.68	yes	-13	-4			777
778	yes	0	-3					yes	0	-3			778
779	yes	-28	-5					yes	-12	-1			779

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
780	yes	-12	-2					yes	-8	-1			780
781	yes	-13	-1					yes	-6	-1			781
782	yes	-13	-2					yes	-15	-2			782
783	yes	-3	-1	yes	2.28	yes	1.04	yes	-3	-1	yes	rejected	783
784	yes	-5	-1	yes	-0.0373	yes	0.85	yes	-5	-1	yes	rejected	784
785	no							no					785
786	yes	-10	-1					yes	-11	-1			786
787	yes	-3	-3					yes	-3	-3			787
788	no							no					788
789	no							yes	-5	-2	yes	2.59	789
790	yes	-11	-3					yes	-10	-3			790
791	no							yes	-10	-1			791
792	yes	0	-3					yes	0	-4			792
793	no							no					793
794	yes	-28	-2					yes	-28	-2			794
795	yes	-5	-2	yes	1.55	yes	0.00646	yes	0	-3			795
796	yes	-3	-4					yes	-2	-4			796
797	no							yes	-4	-1	yes	0.5	797
798	yes	-6	-3					yes	-6	-3			798
799	no							no					799
800	yes	-28	-2					yes	-19	-2			800
801	no							yes	-6	0			801
802	yes	-26	-1					yes	-26	-1			802
803	yes	-13	-2					yes	-3	-3			803
804	no							no					804
805	yes	-9	0					no					805
806	yes	-30	-2					yes	-14	-2			806
807	yes	-26	-3					yes	-25	-3			807
808	yes	-6	-2					yes	-8	-2			808
809	no							no					809
810	yes	-4	-3					yes	-3	-3			810
811	yes	-29	-1					yes	-11	0			811
812	yes	-28	0					yes	-28	0			812
813	yes	-7	-3					yes	-12	-3			813
814	yes	0	-3					yes	0	-4			814
815	no							no					815
816	no							no					816
817	yes	-8	-3					yes	-10	-2			817
818	no							no					818
819	no							no					819
820	yes	-3	-1	yes	0.35	yes	2.52	no					820

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
821	yes	-3	-2	yes	2.45	yes	4.55	yes	-3	-2	yes	1.23	821
822	yes	-33	-4					yes	-32	-3			822
823	yes	-2	-1	yes	1.66	no		no					823
824	yes	-3	-1	yes	2.37	yes	-0.6	yes	0	-1	yes	1.43	824
825	yes	-10	-2					yes	-8	-1			825
826	no							no					826
827	no							no					827
828	yes	-3	-2	yes	2.74	yes	4.42	yes	-3	-2	yes	1.05	828
829	yes	-7	-3					yes	-7	-3			829
830	yes	-29	-1					yes	-8	-1			830
831	yes	-32	-5					yes	-19	-4			831
832	yes	-14	0					yes	-13	0			832
833	no							no					833
834	yes	-18	-2					yes	-3	0	yes	0.0438	834
835	yes	-22	-4					yes	-11	-3			835
836	yes	-5	-1	yes	-0.0255	yes	0.19	yes	-10	0			836
837	yes	-4	-1	yes	-0.37	yes	3.35	yes	-3	-1	yes	-0.36	837
838	yes	-34	-4					yes	-26	-1			838
839	yes	-29	-3					yes	-29	-3			839
840	yes	-4	-3					yes	-4	-3			840
841	yes	-13	-2					yes	-7	-2			841
842	no							yes	-4	0	yes	-0.29	842
843	yes	-4	-1	yes	0.23	yes	1.76	yes	-3	-1	yes	3.88	843
844	no							no					844
845	yes	0	-2	yes	-0.4	yes	2.09	yes	0	-2	yes	-0.38	845
846	yes	-5	-2	yes	-0.054	yes	2.89	yes	-5	-1	yes	2.94	846
847	yes	-13	0					yes	-13	0			847
848	no							no					848
849	yes	-24	-1					yes	-22	-1			849
850	no							no					850
851	yes	-15	-1					yes	-18	-2			851
852	no							yes	-15	-5			852
853	yes	-28	-1					yes	-17	0			853
854	yes	-3	0	yes	2.38	no		yes	-3	0	yes	0.86	854
855	yes	0	-2	yes	1.33	yes	-0.7	yes	-1	-4			855
856	yes	-3	-1	yes	0.72	yes	-0.45	yes	-4	-1	yes	1.26	856
857	no							yes	-17	-3			857
858	yes	-3	0	yes	0.87	yes	0.15	no					858
859	no							no					859
860	yes	-5	-1	yes	2.66	yes	1.59	yes	-5	-1	yes	-0.0126	860
861	yes	-3	-1	yes	2.94	yes	rejected	yes	-11	-1			861

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
862	yes	-3	-1	yes	0.14	yes	3.27	yes	-5	-1	yes	2.47	862
863	yes	-13	-1					yes	-3	-1	yes	2.38	863
864	yes	-3	-1	yes	4.7	yes	-0.0688	yes	-5	-1	yes	0.0966	864
865	yes	-10	-1					yes	-11	-1			865
866	yes	-12	-2					yes	0	-1	yes	-0.8	866
867	yes	-10	-1					yes	-16	-2			867
868	yes	-30	-1					yes	-13	-2			868
869	no							no					869
870	yes	-27	-1					yes	-18	-1			870
871	yes	-10	-2					yes	-15	-2			871
872	no							no					872
873	no							no					873
874	yes	-29	-2					yes	-9	-2			874
875	no							yes	-31	-3			875
876	yes	-18	-2					yes	-24	-2			876
877	yes	-3	-2	yes	-0.18	yes	0.47	yes	-3	-2	yes	0.13	877
878	no							no					878
879	yes	-20	-5					yes	-20	-5			879
880	yes	-32	-2					yes	-30	-2			880
881	no							no					881
882	no							no					882
883	yes	-13	-2					yes	-5	-1	yes	1.38	883
884	yes	-22	-2					yes	-3	0	yes	-0.0364	884
885	yes	-24	-3					yes	-20	-3			885
886	yes	-7	-1					yes	-3	-1	yes	0.24	886
887	yes	0	-2	yes	1.41	yes	1	yes	0	-2	yes	0.36	887
888	yes	-12	-2					yes	-7	-2			888
889	yes	-12	-1					yes	-11	-1			889
890	yes	-7	0					yes	-3	0	yes	1.04	890
891	yes	-7	-4					yes	-5	-4			891
892	no							no					892
893	yes	-26	-2					yes	-25	-2			893
894	no							yes	-9	-2			894
895	no							no					895
896	yes	-3	-2	yes	1.54	yes	1.21	yes	-3	-2	yes	1.93	896
897	yes	-28	-3					yes	-27	-3			897
898	yes	0	-3					yes	0	-2	yes	0.37	898
899	yes	-27	0					yes	-26	0			899
900	no							no					900
901	yes	-2	-1	yes	3.04	yes	-0.46	yes	0	-1	yes	1.38	901
902	yes	0	-1	yes	1.04	yes	4.6	yes	0	-1	yes	1.07	902

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
903	yes	-2	-1	yes	4.9	yes	3.29	yes	-2	-1	yes	0.23	903
904	yes	-23	-2					yes	-9	-3			904
905	yes	-18	-3					yes	-14	-3			905
906	yes	-32	-2					no					906
907	yes	-4	-2	yes	1.8	yes	rejected	yes	-5	-2	yes	3.44	907
908	yes	-32	-1					yes	-25	-2			908
909	yes	-24	-1					yes	-19	-1			909
910	no							yes	0	0	yes	1.14	910
911	yes	-18	-1					yes	-4	-1	yes	0.17	911
912	no							no					912
913	yes	-3	0	yes	3.48	yes	-0.11	no					913
914	yes	-11	-1					yes	-13	-1			914
915	yes	-9	-4					yes	-7	-4			915
916	no							no					916
917	yes	-33	-2					yes	-28	-2			917
918	no							no					918
919	yes	-13	-2					yes	-13	-2			919
920	yes	-10	-2					yes	-10	-2			920
921	yes	-11	-3					yes	-16	-3			921
922	yes	-3	-1	yes	rejected			yes	-3	-1	yes	-0.00914	922
923	no							no					923
924	yes	0	-2	yes	0.0755	yes	0.35	yes	-4	-2	yes	-0.38	924
925	no							yes	-4	-3			925
926	yes	-3	-1	yes	0.0531	yes	3.23	yes	-3	0	yes	2	926
927	yes	-3	0	yes	0.8	yes	3.92	yes	-5	0	yes	0.42	927
928	yes	-5	-2	yes	4.13	yes	rejected	yes	-3	-2	yes	4.25	928
929	yes	-32	-2					yes	-29	-3			929
930	yes	-34	-4					yes	-30	-3			930
931	yes	-24	-2					yes	-24	-2			931
932	yes	-6	-2					no					932
933	yes	-3	0	yes	3	yes	-0.21	yes	-3	0	yes	0.3	933
934	yes	-4	-2	yes	0.0208	yes	0.0541	no					934
935	yes	-27	-1					yes	-16	-1			935
936	yes	-35	0					yes	-35	0			936
937	no							no					937
938	yes	-14	-3					yes	-16	-3			938
939	yes	-13	-2					yes	-14	-2			939
940	yes	-12	-1					no					940
941	no							no					941
942	yes	-8	-2					no					942
943	yes	-6	-1					yes	-3	-1	yes	-0.25	943

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
944	no							no					944
945	yes	-12	-1					yes	-3	-3			945
946	yes	-4	0	yes	rejected			yes	-3	0	yes	rejected	946
947	yes	-7	-1					yes	-7	-1			947
948	yes	-23	-3					yes	-6	-2			948
949	yes	-3	-2	yes	-0.21	yes	0.67	yes	-3	-2	yes	-0.0742	949
950	no							no					950
951	yes	-9	-2					yes	-4	-2	yes	3.7	951
952	no							yes	-32	-3			952
953	no							no					953
954	yes	-3	0	yes	-0.37	yes	-0.46	yes	-2	-1	yes	2.93	954
955	yes	-27	-1					yes	-19	-1			955
956	yes	-30	-2					no					956
957	yes	-3	-3					yes	-5	-2	yes	-0.11	957
958	no							no					958
959	no							yes	-7	-3			959
960	yes	-32	0					yes	-18	0			960
961	yes	-31	-3					yes	-31	-3			961
962	no							no					962
963	no							no					963
964	yes	0	-1	yes	1.59	yes	0.26	no					964
965	yes	-14	-4					yes	-5	-1	yes	-0.73	965
966	yes	-15	0					yes	-22	0			966
967	yes	-28	-4					yes	-27	-2			967
968	yes	-2	-1	yes	2.5	yes	4.24	yes	-2	0	yes	1.53	968
969	yes	-14	-3					yes	-4	-1	yes	1.55	969
970	yes	0	-1	yes	0.56	yes	-0.35	yes	0	-1	yes	-0.52	970
971	yes	0	-1	yes	0.26	yes	1.32	yes	0	-1	yes	0.85	971
972	no							no					972
973	yes	-4	-2	yes	-0.19	yes	1.86	yes	-7	-2			973
974	no							no					974
975	yes	-34	-2					yes	-24	-3			975
976	yes	-1	-1	yes	0.27	yes	3.5	yes	-15	-4			976
977	yes	-27	-2					yes	-28	-2			977
978	yes	-3	-1	yes	rejected			yes	-6	-1			978
979	no							yes	-33	-3			979
980	yes	-28	-1					yes	-8	-1			980
981	no							yes	-3	0	yes	-0.5	981
982	no							no					982
983	yes	-1	-1	yes	0.4	yes	0.24	yes	-14	-1			983
984	yes	-6	-1					yes	-11	-1			984

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
985	yes	-10	-1					yes	-4	-1	yes	1.3	985
986	yes	-10	-3					yes	-4	-2	yes	0.52	986
987	no							no					987
988	yes	-35	-4					yes	-30	0			988
989	yes	-23	-2					yes	-22	-2			989
990	yes	-19	-3					yes	-9	-2			990
991	no							no					991
992	yes	-4	-1	yes	1.79	yes	1.62	yes	-3	0	yes	0.81	992
993	yes	-33	-3					yes	-31	-3			993
994	yes	-34	-2					yes	-31	-3			994
995	yes	-11	-1					yes	-2	-1	yes	0.43	995
996	no							yes	-3	-2	yes	-0.49	996
997	yes	-3	-2	yes	-0.49	yes	1.01	yes	-2	-2	yes	0.81	997
998	no							no					998
999	yes	-34	-1					yes	-12	-2			999
1000	yes	-28	-3					yes	-25	-2			1000
1001	no							no					1001
1002	no							no					1002
1003	yes	-28	-2					yes	-24	-2			1003
1004	yes	-3	0	yes	3.38	yes	4.41	yes	-3	0	yes	-0.0348	1004
1005	yes	-3	-1	yes	0.28	yes	1.3	yes	-3	-1	yes	0.31	1005
1006	no							no					1006
1007	yes	-25	-2					yes	-28	-2			1007
1008	yes	-18	-1					yes	-10	-1			1008
1009	yes	-23	-2					yes	-28	-2			1009
1010	yes	-6	-1					yes	-5	-1	yes	2.03	1010
1011	yes	-16	-1					yes	-21	-1			1011
1012	yes	-27	-2					yes	-26	-2			1012
1013	no							no					1013
1014	yes	-11	-2					yes	0	-1	yes	1.99	1014
1015	yes	-9	0					yes	-4	-1	yes	2.04	1015
1016	yes	-7	-1					yes	-11	-1			1016
1017	yes	-25	-3					yes	-20	-3			1017
1018	no							no					1018
1019	yes	-28	-1					yes	-6	-1			1019
1020	yes	-1	-3					yes	-2	-3			1020
1021	yes	-1	-1	yes	1.44	yes	-0.41	yes	0	-3			1021
1022	yes	-4	-3					yes	-4	-3			1022
1023	yes	-1	-1	yes	0.14	yes	-0.0455	yes	0	-1	yes	-0.61	1023
1024	no							no					1024
1025	yes	-3	-3					yes	-3	-3			1025

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1026	yes	-8	-2					yes	-8	-2			1026
1027	yes	-30	-4					yes	-31	-3			1027
1028	yes	-28	-1					yes	-28	-1			1028
1029	yes	-21	-1					yes	-8	-1			1029
1030	yes	-26	-3					yes	-26	-3			1030
1031	yes	-36	-3					yes	-34	-2			1031
1032	yes	-24	-3					yes	-23	-4			1032
1033	no							no					1033
1034	yes	-10	0					yes	-10	-1			1034
1035	yes	-33	-3					no					1035
1036	yes	-5	-1	yes	3.37	yes	0.87	yes	-3	0	yes	3.25	1036
1037	yes	-8	-2					yes	-4	-1	yes	-0.18	1037
1038	yes	-18	-1					yes	-9	-1			1038
1039	no							no					1039
1040	yes	-25	-2					yes	-22	-2			1040
1041	no							yes	0	0	yes	3.22	1041
1042	yes	-11	-2					yes	-7	0			1042
1043	no							yes	-4	-1	yes	1.15	1043
1044	yes	-3	-1	yes	1.43	yes	1.36	yes	-3	-1	yes	-0.2	1044
1045	yes	-1	-3					yes	-1	-3			1045
1046	no							no					1046
1047	yes	-28	-3					yes	-24	-3			1047
1048	no							no					1048
1049	yes	0	-4					yes	-1	-5			1049
1050	yes	-9	-1					yes	-4	-1	yes	-0.55	1050
1051	yes	0	-2	yes	1.8	yes	0.43	yes	-1	-4			1051
1052	no							no					1052
1053	yes	-26	-1					yes	-27	-1			1053
1054	yes	-30	-2					yes	-24	-4			1054
1055	no							no					1055
1056	no							no					1056
1057	yes	-2	-1	yes	-0.36	yes	-0.91	yes	0	-3			1057
1058	yes	-22	-2					yes	-9	-2			1058
1059	yes	-14	-3					no					1059
1060	yes	-26	-3					yes	-26	-2			1060
1061	yes	-3	-2	yes	0.76	yes	-1	no					1061
1062	yes	-27	-2					yes	-19	-3			1062
1063	no							no					1063
1064	yes	-1	-2	yes	0.32	yes	2.28	yes	0	-2	yes	-0.18	1064
1065	yes	-11	-1					yes	-13	-1			1065
1066	no							no					1066

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1067	no							no					1067
1068	yes	-3	-1	yes	-0.48	yes	-0.82	yes	-6	-1			1068
1069	yes	-29	-2					no					1069
1070	yes	-2	-3					yes	-2	-3			1070
1071	yes	0	-2	yes	0.33	yes	-0.85	yes	0	-2	yes	2.88	1071
1072	yes	-3	-1	yes	-0.3	yes	-0.95	no					1072
1073	no							no					1073
1074	no							no					1074
1075	no							yes	-25	-2			1075
1076	yes	-2	0	yes	0.9	yes	2.9	yes	-2	0	yes	2.58	1076
1077	yes	-20	-4					yes	-13	-4			1077
1078	no							no					1078
1079	yes	-18	-1					yes	-18	-1			1079
1080	yes	-28	-4					yes	-32	-4			1080
1081	yes	-3	-1	yes	2.31	yes	-0.61	yes	-3	-1	yes	-0.23	1081
1082	no							no					1082
1083	yes	-7	-1					yes	-7	-1			1083
1084	no							no					1084
1085	yes	-10	-2					yes	-5	-2	yes	2.81	1085
1086	yes	-4	-2	yes	0.81	yes	1.69	yes	-3	-2	yes	0.0451	1086
1087	yes	-4	-1	yes	2.76	no		yes	0	-2	yes	-0.56	1087
1088	yes	-3	-3					yes	-3	-3			1088
1089	yes	-2	0	yes	-0.44	yes	0.0457	no					1089
1090	yes	-20	-3					yes	-23	-3			1090
1091	yes	-4	-1	yes	-0.42	yes	0.13	yes	-5	-1	yes	-0.32	1091
1092	yes	-30	-2					yes	-30	-2			1092
1093	no							no					1093
1094	yes	-10	-2					yes	-4	-1	yes	1.58	1094
1095	yes	-15	-1					no					1095
1096	yes	-4	-1	yes	4.83	yes	1.3	yes	-5	-1	yes	0.28	1096
1097	yes	-7	-3					yes	-4	-3			1097
1098	yes	-30	-2					yes	-30	-2			1098
1099	yes	-34	-4					yes	-29	-2			1099
1100	yes	-15	-2					yes	0	-1	yes	-0.0624	1100
1101	no							yes	0	-1	yes	3.5	1101
1102	no							no					1102
1103	yes	0	0	yes	3.03	yes	3.23	yes	0	-1	yes	1.7	1103
1104	yes	-31	-3					yes	-31	-3			1104
1105	no							no					1105
1106	yes	-5	-3					yes	-4	-5			1106
1107	no							no					1107

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1108	yes	-30	-1					yes	-19	-2			1108
1109	yes	-14	-1					yes	-7	0			1109
1110	yes	-24	-2					yes	-24	-2			1110
1111	yes	-3	0	yes	4.49	yes	-0.0297	yes	-3	-1	yes	1.17	1111
1112	no							no					1112
1113	no							no					1113
1114	yes	-6	0					yes	-2	0	yes	0.74	1114
1115	yes	-3	0	yes	2.69	yes	2.59	yes	-3	0	yes	4.37	1115
1116	yes	-18	-1					yes	-14	-1			1116
1117	no							no					1117
1118	yes	-1	-4					yes	-2	-4			1118
1119	yes	-3	-2	yes	0.0192	yes	4.37	yes	-3	-2	yes	1.52	1119
1120	yes	-1	-2	yes	4.1	yes	-0.65	yes	-4	-2	yes	2.01	1120
1121	yes	-30	-2					yes	-28	-2			1121
1122	yes	-14	-1					yes	-13	-1			1122
1123	yes	-31	-4					yes	-31	-4			1123
1124	yes	-28	-2					yes	-4	-1	yes	-0.0764	1124
1125	yes	-6	-2					yes	-4	-2	yes	1.8	1125
1126	yes	-4	-2	yes	3.44	yes	0.81	yes	-3	-2	yes	rejected	1126
1127	yes	-5	-2	yes	0.0592	yes	1.54	yes	-5	-2	yes	0.32	1127
1128	yes	-6	-2					yes	-3	-1	yes	-0.61	1128
1129	yes	-15	-2					yes	-4	-2	yes	1.64	1129
1130	yes	-5	-2	yes	1.43	yes	0.0142	yes	-3	0	yes	3.09	1130
1131	yes	-3	-2	yes	1.66	yes	-0.26	yes	-22	-3			1131
1132	yes	-4	-2	yes	0.43	yes	2.84	yes	-4	-2	yes	-0.52	1132
1133	yes	-10	-2					yes	-21	-3			1133
1134	yes	-1	-2	yes	0.12	yes	-0.0967	no					1134
1135	no							no	-12	0			1135
1136	yes	-26	-1					yes	-4	-3			1136
1137	yes	-28	-2					yes	0	-1	yes	-0.0464	1137
1138	yes	0	0	yes	0.91	yes	-0.0461	yes	-20	-1			1138
1139	yes	-26	-2					yes	-9	-4			1139
1140	yes	-7	-4					yes					1140
1141	no							no	-15	-2			1141
1142	yes	-28	-3					yes	-22	-2			1142
1143	yes	-32	-3					yes	-7	-1			1143
1144	yes	-9	-1					yes					1144
1145	no							no	-4	-2	yes	-0.0821	1145
1146	yes	-4	-2	yes	-0.12	yes	0.59	yes	-7	-1			1146
1147	no							yes	-27	-2			1147
1148	yes	-27	-2					yes					1148

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1149	yes	-6	-3					no					1149
1150	yes	-7	-1					yes	-8	0			1150
1151	no							no					1151
1152	yes	0	-3					yes	0	-3			1152
1153	no							yes	-4	-4			1153
1154	yes	-24	-1					yes	-17	-1			1154
1155	yes	-28	-2					yes	-7	-2			1155
1156	yes	-35	-1					yes	-18	-1			1156
1157	yes	-12	0					no					1157
1158	yes	-2	-3					yes	-3	-3			1158
1159	yes	-1	-1	yes	1.72	yes	-0.62	yes	-2	-1	yes	-0.72	1159
1160	yes	-14	-2					yes	-3	-1	yes	1.86	1160
1161	yes	-1	-2	yes	-0.63	yes	-0.6	yes	-1	-2	yes	2.56	1161
1162	yes	-4	-3					yes	-10	-4			1162
1163	yes	-22	0					yes	-27	0			1163
1164	no							no					1164
1165	yes	-27	-2					no					1165
1166	no							yes	0	-1	yes	-0.47	1166
1167	yes	-20	-2					yes	-10	-2			1167
1168	no							yes	-4	-2	yes	0.38	1168
1169	yes	-17	-1					yes	-18	-1			1169
1170	yes	-28	-3					yes	-28	-3			1170
1171	no							no					1171
1172	no							no					1172
1173	yes	-3	-1	yes	0.62	yes	-0.73	yes	-2	-1	yes	1.64	1173
1174	yes	-30	-1					yes	-4	-4			1174
1175	no							no					1175
1176	yes	-4	-1	yes	rejected			yes	-3	-2	yes	-0.54	1176
1177	yes	-11	-4					yes	-3	-4			1177
1178	yes	0	-1	yes	0.42	yes	-0.81	yes	-3	-2	yes	-0.18	1178
1179	yes	-32	-4					yes	-26	-3			1179
1180	yes	-20	-1					no					1180
1181	yes	-1	-1	yes	1.16	yes	0.91	yes	-1	-1	yes	2.05	1181
1182	yes	-4	-2	yes	0.0331	yes	0.37	yes	-4	-3			1182
1183	no							no					1183
1184	yes	-29	-3					yes	-26	-2			1184
1185	yes	-30	-2					yes	-28	-1			1185
1186	yes	0	-1	yes	-0.14	yes	-0.13	yes	-2	-1	yes	-0.34	1186
1187	yes	-31	-3					yes	-31	-3			1187
1188	yes	-21	-1					yes	-12	-1			1188
1189	yes	-3	-1	yes	-0.00218	yes	3.63	yes	-1	-1	yes	0.69	1189

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1190	yes	-4	-1	yes	2.49	no		yes	0	-1	yes	1.1	1190
1191	yes	-13	-3					yes	-17	-3			1191
1192	yes	-28	0					yes	-17	-1			1192
1193	yes	0	-2	yes	-0.7	yes	0.88	yes	0	-1	yes	0.78	1193
1194	yes	-5	-2	yes	0.1	yes	4.39	yes	-3	-2	yes	1.61	1194
1195	no							no					1195
1196	no							no					1196
1197	yes	-30	-3					yes	-30	-3			1197
1198	yes	-34	-5					yes	-28	-3			1198
1199	no							yes	-7	0			1199
1200	yes	-3	-1	yes	1.57	yes	0.0815	yes	-3	-1	yes	1.95	1200
1201	yes	-6	-2					yes	-6	-2			1201
1202	yes	-25	-3					yes	-26	-3			1202
1203	yes	-6	-2					yes	-5	-3			1203
1204	yes	-29	-2					yes	-15	-2			1204
1205	yes	-34	-2					yes	-34	-2			1205
1206	yes	-22	-3					no					1206
1207	no							yes	-5	0	yes	0.89	1207
1208	yes	-8	-2					yes	-4	-1	yes	-0.28	1208
1209	yes	-14	-1					yes	-10	-1			1209
1210	yes	-11	-2					no					1210
1211	yes	-4	-1	yes	0.78	no		yes	-4	-1	yes	-0.38	1211
1212	yes	-2	-2	yes	0.0715	yes	0.94	yes	-3	-2	yes	4.19	1212
1213	yes	-25	-1					yes	-25	-1			1213
1214	yes	-26	-1					yes	-25	-1			1214
1215	yes	-15	-1					yes	-3	-1	yes	0.26	1215
1216	yes	-19	-1					yes	-16	-1			1216
1217	yes	-18	-1					yes	-3	-2	yes	-0.22	1217
1218	yes	-7	-2					yes	-4	-2	yes	2.24	1218
1219	yes	-5	-3					yes	0	-3			1219
1220	no							no					1220
1221	yes	-29	-3					yes	-27	-3			1221
1222	yes	-1	-3					yes	0	-3			1222
1223	yes	-7	-2					yes	-5	-1	yes	0.71	1223
1224	yes	-5	-2	yes	4.55	yes	0.13	yes	0	-1	yes	0.0116	1224
1225	yes	-15	-1					yes	-13	0			1225
1226	yes	-1	-1	yes	2.25	yes	2.24	yes	0	-1	yes	3.45	1226
1227	yes	-13	-2					yes	-13	-2			1227
1228	yes	-19	-2					yes	-3	-3			1228
1229	yes	-3	-3					yes	-1	-4			1229
1230	yes	-30	-2					yes	-30	-2			1230

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1231	yes	-3	-2	yes	0.28	yes	1.5	yes	-3	-2	yes	1.41	1231
1232	yes	-20	-2					yes	-18	-1			1232
1233	no							no					1233
1234	yes	-32	-2					yes	-21	-1			1234
1235	yes	-9	-3					yes	-9	-3			1235
1236	yes	-3	-1	yes	-0.17	yes	0.64	yes	-4	-2	yes	3.75	1236
1237	no							no					1237
1238	yes	-8	-3					yes	-6	-4			1238
1239	no							yes	-1	0	yes	-0.59	1239
1240	yes	-4	-2	yes	3.22	yes	0.91	yes	-15	-3			1240
1241	yes	-21	-2					yes	-8	-1			1241
1242	yes	-22	-2					yes	-4	0	yes	2.49	1242
1243	no							no					1243
1244	yes	-4	0	yes	-0.41	no		yes	-2	-1	yes	-0.31	1244
1245	yes	-4	-3					yes	-3	-3			1245
1246	yes	-8	-3					yes	0	-4			1246
1247	yes	-9	-1					yes	-15	-2			1247
1248	yes	-20	-3					yes	-16	-3			1248
1249	yes	-4	-1	yes	0.00235	yes	1.45	yes	-3	-1	yes	2.03	1249
1250	yes	-18	-2					yes	-19	-2			1250
1251	no							no					1251
1252	yes	-1	-3					yes	0	-3			1252
1253	yes	-31	-2					no					1253
1254	yes	-1	-2	yes	1.17	yes	2.19	yes	-1	-1	yes	-0.36	1254
1255	yes	-10	-1					yes	-15	-1			1255
1256	no							yes	0	-1	yes	-0.47	1256
1257	yes	-31	-4					yes	-27	-2			1257
1258	yes	-6	-2					no					1258
1259	no							no					1259
1260	yes	-21	-2					yes	-14	-2			1260
1261	yes	-28	-2					yes	-25	-1			1261
1262	yes	-16	-1					yes	-13	-1			1262
1263	yes	-14	-3					yes	-6	-2			1263
1264	no							no					1264
1265	yes	-7	-2					yes	-3	-2	yes	0.11	1265
1266	yes	-3	0	yes	3.69	yes	1.18	yes	-3	-1	yes	1.85	1266
1267	yes	-4	-2	yes	3.67	no		yes	-3	-2	yes	-0.00829	1267
1268	yes	-5	-1	yes	2.79	no		yes	-5	-1	yes	1.14	1268
1269	no							yes	-8	-1			1269
1270	yes	-29	-4					yes	-27	-4			1270
1271	no							no					1271

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1272	no							yes	-1	-4			1272
1273	yes	-3	-3					yes	-3	-3			1273
1274	yes	-15	-1					no					1274
1275	yes	-24	-2					yes	-25	-2			1275
1276	no							no					1276
1277	yes	-13	-3					yes	-13	-3			1277
1278	no							no					1278
1279	yes	-6	-2					yes	-6	-2			1279
1280	yes	-27	-2					yes	-19	-3			1280
1281	no							yes	-5	-1	yes	1.18	1281
1282	yes	-12	-1					yes	-13	-1			1282
1283	yes	-19	-1					no					1283
1284	yes	-31	-2					yes	-25	-2			1284
1285	yes	-15	-1					yes	-1	-2	yes	-0.44	1285
1286	yes	-4	-1	yes	1.78	yes	2.32	yes	-4	-1	yes	0.73	1286
1287	no							no					1287
1288	no							yes	-24	-2			1288
1289	no							yes	-3	0	yes	1.61	1289
1290	yes	-8	-1					yes	-6	-1			1290
1291	no							no					1291
1292	yes	-8	-2					yes	-7	-2			1292
1293	yes	-6	-1					yes	-6	-1			1293
1294	yes	-3	-3					yes	-3	-3			1294
1295	yes	-3	-2	yes	-0.37	yes	0.79	yes	-3	-2	yes	0.52	1295
1296	no							no					1296
1297	no							yes	0	-3			1297
1298	yes	-4	-1	yes	1.78	yes	2.22	yes	-3	-1	yes	2.96	1298
1299	yes	-5	-3					yes	-6	-3			1299
1300	yes	-31	-2					yes	-31	-2			1300
1301	yes	0	-1	yes	-2.23	yes	0.0526	yes	-12	-2			1301
1302	yes	-2	0	yes	1.06	yes	0.76	yes	-2	0	yes	1.38	1302
1303	no							no					1303
1304	yes	0	-3					yes	-1	-4			1304
1305	yes	-16	-3					yes	-12	-3			1305
1306	yes	-6	-3					yes	-5	-3			1306
1307	no							no					1307
1308	yes	-3	-2	yes	2.87	yes	1.27	yes	-14	-3			1308
1309	yes	-29	-2					yes	-28	-2			1309
1310	yes	-3	-1	yes	4.3	yes	1.56	yes	-3	-1	yes	2.54	1310
1311	no							no					1311
1312	yes	-26	-3					yes	-20	-3			1312

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1313	yes	-6	-1					yes	0	-1	yes	0.63	1313
1314	yes	-5	-1	yes	4.33	yes	-0.21	yes	-5	-1	yes	-0.12	1314
1315	yes	-30	-4					yes	-10	-3			1315
1316	yes	-6	-1					yes	-4	-1	yes	1.7	1316
1317	yes	0	-2	yes	0.0217	yes	-1.05	yes	0	-1	yes	2.38	1317
1318	yes	-3	-1	yes	4.7	yes	4.33	yes	-6	-1			1318
1319	yes	-2	-4					yes	-2	-4			1319
1320	no							no					1320
1321	yes	-24	-3					yes	-25	-3			1321
1322	no							no					1322
1323	yes	-7	-1					yes	-7	-1			1323
1324	no							no					1324
1325	yes	0	-1	yes	2.29	yes	-0.52	yes	0	-2	yes	0.0234	1325
1326	yes	-7	-1					yes	-3	0	yes	1.91	1326
1327	no							yes	-5	-1	yes	2.39	1327
1328	yes	-27	-1					yes	-23	0			1328
1329	yes	0	-3					yes	0	-3			1329
1330	yes	-15	-2					yes	-19	-2			1330
1331	yes	-27	-1					yes	-11	-1			1331
1332	yes	-12	-2					yes	-16	-2			1332
1333	no							no					1333
1334	yes	-31	-3					yes	-24	-2			1334
1335	yes	-17	-2					yes	-5	-1	yes	-0.39	1335
1336	no							no					1336
1337	yes	-12	-1					yes	-12	-1			1337
1338	no							yes	-12	-4			1338
1339	yes	0	-1	yes	0.26	yes	-0.66	yes	-3	0	yes	-0.29	1339
1340	yes	-27	-2					yes	-18	-2			1340
1341	no							no					1341
1342	yes	-34	-1					yes	-20	0			1342
1343	no							no					1343
1344	no							no					1344
1345	yes	-15	0					yes	-22	-2			1345
1346	yes	-31	-3					yes	-31	-3			1346
1347	no							no					1347
1348	yes	0	-3					yes	0	-3			1348
1349	yes	-33	-2					yes	-31	-2			1349
1350	yes	-12	-2					yes	-14	-2			1350
1351	yes	0	-2	yes	2.23	yes	1.14	yes	0	-2	yes	2.85	1351
1352	yes	-10	-1					yes	-7	-1			1352
1353	yes	-2	-1	yes	-0.29	yes	1.69	yes	-4	-1	yes	1.53	1353

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1354	yes	-20	-4					yes	-24	-4			1354
1355	yes	-19	-2					yes	-10	-1			1355
1356	no							no					1356
1357	yes	-29	-2					no					1357
1358	no							yes	-19	-4			1358
1359	yes	-22	-1					yes	-19	-1			1359
1360	no							no					1360
1361	yes	-3	-1	yes	3.53	no		no					1361
1362	yes	-7	-1					yes	-6	-1			1362
1363	yes	-35	-3					yes	-26	-2			1363
1364	yes	-28	-2					no					1364
1365	no							no					1365
1366	yes	-10	-1					yes	-12	-1			1366
1367	yes	-16	-3					yes	-20	-3			1367
1368	yes	-6	-2					yes	-5	-3			1368
1369	no							no					1369
1370	yes	-10	-1					yes	-7	-1			1370
1371	yes	-8	-3					yes	-3	-3			1371
1372	yes	-29	-4					yes	-27	-4			1372
1373	yes	-7	-1					yes	-12	-1			1373
1374	no							no					1374
1375	yes	0	-1	yes	-0.15	yes	-0.8	yes	0	-1	yes	-0.59	1375
1376	yes	-9	-2					no					1376
1377	yes	-20	-3					yes	-18	-3			1377
1378	yes	-31	-1					yes	-28	0			1378
1379	no							no					1379
1380	yes	-31	-2					yes	-30	-1			1380
1381	yes	-10	-1					yes	-2	-1	yes	0.64	1381
1382	yes	-3	-1	yes	0.43	yes	0.17	yes	-5	0	yes	2.73	1382
1383	no							no					1383
1384	no							no					1384
1385	yes	0	-2	yes	2.24	yes	2.07	yes	-2	-3			1385
1386	yes	-10	-1					yes	-8	-1			1386
1387	yes	-16	0					yes	-13	0			1387
1388	no							no					1388
1389	yes	-3	-2	yes	0.36	yes	0.0714	yes	-3	-2	yes	1.94	1389
1390	no							no					1390
1391	yes	-15	-2					yes	-3	-1	yes	1.85	1391
1392	no							no					1392
1393	yes	-34	-4					yes	-15	-1			1393
1394	yes	-10	-5					yes	-10	-4			1394

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1395	no							no					1395
1396	yes	-26	-4					yes	-26	-4			1396
1397	no							no					1397
1398	yes	-23	-2					yes	-4	-1	yes	-0.22	1398
1399	yes	-33	-3					yes	-30	-3			1399
1400	yes	-30	-3					yes	-8	-1			1400
1401	no							no					1401
1402	yes	-3	-1	yes	-0.14	yes	1.39	yes	0	-1	yes	0.88	1402
1403	yes	0	-2	yes	0.39	yes	1.08	yes	0	-2	yes	0.49	1403
1404	yes	-34	-1					yes	-20	-1			1404
1405	yes	-4	-1	yes	0.34	yes	1.48	yes	-4	-1	yes	1.19	1405
1406	yes	-36	-1					yes	-29	-1			1406
1407	yes	0	-3					yes	-1	-3			1407
1408	yes	-6	-2					yes	-10	-2			1408
1409	yes	-4	-2	yes	4	yes	1.49	yes	-10	-2			1409
1410	no							no					1410
1411	yes	-30	-2					yes	-30	-2			1411
1412	no							no					1412
1413	yes	0	-3					no					1413
1414	yes	-7	-3					yes	-3	-3			1414
1415	yes	-30	-2					yes	-30	-2			1415
1416	no							no					1416
1417	yes	-25	-2					no					1417
1418	yes	-6	-2					no					1418
1419	yes	-26	-2					yes	-25	-2			1419
1420	yes	-36	-1					yes	-35	-1			1420
1421	yes	-23	-1					yes	-23	-1			1421
1422	yes	-25	-3					yes	0	-2	yes	3.99	1422
1423	yes	-35	-3					yes	-33	-2			1423
1424	yes	-3	-2	yes	2.77	yes	2.28	yes	-3	-1	yes	-0.0931	1424
1425	no							no					1425
1426	yes	-36	-4					no					1426
1427	no							no					1427
1428	no							no					1428
1429	no							yes	-29	-3			1429
1430	yes	-29	-3					no					1430
1431	yes	-2	-1	yes	-0.27	yes	0.63	yes	0	-1	yes	-0.61	1431
1432	no							no					1432
1433	yes	0	-2	yes	-0.15	yes	-0.47	no					1433
1434	yes	-3	-2	yes	0.21	yes	3.83	yes	-3	-2	yes	1.19	1434
1435	no							yes	-20	-3			1435

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1436	no							no					1436
1437	no							no					1437
1438	yes	-8	-1					yes	-3	-1	yes	rejected	1438
1439	yes	-8	-1					yes	-5	-2	yes	1.15	1439
1440	no							no					1440
1441	yes	-13	-1					yes	-7	-1			1441
1442	yes	-7	-1					yes	-6	-1			1442
1443	yes	-3	-2	yes	-0.49	yes	-0.36	yes	-3	-2	yes	0.2	1443
1444	yes	-29	-3					yes	0	-1	yes	rejected	1444
1445	yes	-3	-3					yes	-3	-3			1445
1446	no							no					1446
1447	yes	-30	-4					yes	-22	-3			1447
1448	yes	-33	-3					yes	-23	-3			1448
1449	yes	-3	-5					yes	-17	-5			1449
1450	no							yes	0	0	yes	2.36	1450
1451	no							no					1451
1452	yes	-17	-1					yes	-18	-1			1452
1453	yes	-3	-2	yes	1.43	yes	0.0474	yes	-3	-2	yes	-0.13	1453
1454	no							no					1454
1455	no							no					1455
1456	yes	-20	-4					yes	-24	-3			1456
1457	yes	-2	-1	yes	3.73	no		yes	0	-3			1457
1458	no							no					1458
1459	no							no					1459
1460	yes	0	-1	yes	0.19	yes	2.09	yes	-1	0	yes	-0.17	1460
1461	no							no					1461
1462	no							no					1462
1463	yes	-32	-1					yes	-3	0	yes	0.17	1463
1464	yes	-3	-3					yes	-3	-3			1464
1465	no							no					1465
1466	no							yes	-9	-1			1466
1467	yes	-5	-2	yes	-0.13	yes	3.12	yes	-5	-2	yes	2.73	1467
1468	yes	-14	-3					yes	-14	-4			1468
1469	yes	-15	0					yes	-14	0			1469
1470	no							no					1470
1471	yes	-6	-1					yes	-7	-1			1471
1472	yes	-4	-3					no					1472
1473	yes	-25	-1					yes	-25	-1			1473
1474	no							no					1474
1475	yes	-27	-2					yes	-8	-2			1475
1476	yes	-3	0	yes	2.58	yes	3.81	yes	-3	0	yes	0.94	1476

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1477	yes	-18	-1					yes	-11	-1			1477
1478	yes	-12	0					no					1478
1479	yes	-28	-1					yes	-11	0			1479
1480	yes	-3	-1	yes	-0.53	yes	-0.0729	yes	-3	-1	yes	0.12	1480
1481	yes	0	-1	yes	-0.15	yes	0.24	yes	-9	-3			1481
1482	no							no					1482
1483	yes	0	-1	yes	0.41	yes	1.86	no					1483
1484	no							no					1484
1485	yes	-8	-2					no					1485
1486	no							no					1486
1487	yes	-27	-2					yes	-27	-2			1487
1488	yes	-9	-3					yes	-3	-2	yes	3.91	1488
1489	yes	-35	-2					yes	-29	-3			1489
1490	yes	-5	-1	yes	0.0592	yes	0.32	yes	-6	-1			1490
1491	no							no					1491
1492	yes	-1	-1	yes	4.59	yes	4.03	yes	-5	-1	yes	-0.21	1492
1493	no							no					1493
1494	yes	-26	-2					yes	-9	-1			1494
1495	no							no					1495
1496	yes	-4	-3					no					1496
1497	yes	-7	0					yes	-7	0			1497
1498	yes	-28	-1					yes	-8	-1			1498
1499	yes	-27	-2					yes	-14	-4			1499
1500	yes	-14	-1					yes	-14	-1			1500
1501	no							no					1501
1502	yes	-3	-1	yes	2.92	no		yes	-3	-1	yes	2.02	1502
1503	yes	-4	-1	yes	-0.58	yes	-0.19	yes	-6	-1			1503
1504	yes	-26	0					yes	-26	0			1504
1505	yes	-20	-1					yes	-8	-1			1505
1506	no							no					1506
1507	no							no					1507
1508	yes	-10	-2					yes	-10	-2			1508
1509	no							yes	-15	-2			1509
1510	yes	-34	-4					no					1510
1511	yes	-16	-2					yes	-6	-3			1511
1512	yes	-20	-2					yes	-9	0			1512
1513	yes	-4	-1	yes	-0.43	yes	-1.14	yes	0	-1	yes	-0.52	1513
1514	yes	-3	-1	yes	2.27	yes	0.97	yes	-7	0			1514
1515	no							no					1515
1516	no							yes	-29	-1			1516
1517	no							yes	-24	-4			1517

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1518	yes	-2	-4					yes	-4	-4			1518
1519	yes	-29	-2					yes	-28	-2			1519
1520	yes	-32	-2					yes	-32	-2			1520
1521	yes	-3	-3					yes	-7	-4			1521
1522	yes	-7	-1					yes	-7	-1			1522
1523	yes	-33	-2					yes	-12	-1			1523
1524	yes	-26	-2					yes	-27	-2			1524
1525	no							yes	0	-3			1525
1526	no							no					1526
1527	no							no					1527
1528	no							no					1528
1529	yes	-7	0					no					1529
1530	yes	-14	-3					no					1530
1531	yes	-1	-5					yes	-3	-5			1531
1532	yes	0	-2	yes	2.04	yes	0.47	yes	0	-1	yes	0.8	1532
1533	no							no					1533
1534	yes	-27	-2					yes	-27	-2			1534
1535	yes	-32	-5					yes	-32	-5			1535
1536	yes	-3	0	yes	1.09	yes	3.08	yes	-3	0	yes	1.85	1536
1537	yes	-11	0					yes	-13	0			1537
1538	yes	0	-1	yes	0.77	yes	1.49	yes	-3	-2	yes	1.38	1538
1539	no							no					1539
1540	no							yes	-3	-2	yes	0.49	1540
1541	yes	-33	-2					yes	-33	-2			1541
1542	yes	-28	-1					yes	-28	-2			1542
1543	yes	-3	-1	yes	1.09	yes	0.99	yes	-3	-1	yes	2.59	1543
1544	no							yes	-23	-4			1544
1545	no							yes	-6	0			1545
1546	yes	-7	-1					yes	-4	-1	yes	0.86	1546
1547	yes	-22	-1					yes	-18	-1			1547
1548	no							no					1548
1549	yes	-4	-3					yes	-9	-3			1549
1550	yes	-28	-1					yes	-10	-1			1550
1551	no							no					1551
1552	yes	-10	-3					yes	-4	-3			1552
1553	yes	-35	-1					yes	-31	0			1553
1554	yes	-3	-2	yes	-0.52	no		yes	-4	-2	yes	0.89	1554
1555	yes	-9	-4					yes	-9	-4			1555
1556	yes	-2	-1	yes	-0.37	yes	-0.37	yes	-3	-1	yes	-0.72	1556
1557	yes	-20	-3					yes	-8	-3			1557
1558	yes	-3	0	yes	4.42	yes	0.29	yes	-3	-1	yes	-0.2	1558

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1559	yes	-26	-1					yes	-19	-1			1559
1560	yes	-21	-1					yes	-8	0			1560
1561	yes	-7	-1					yes	-7	-1			1561
1562	no							no					1562
1563	yes	0	-1	yes	rejected			no					1563
1564	yes	-4	-3					yes	-3	-3			1564
1565	yes	-21	-3					yes	0	-1	yes	2.34	1565
1566	no							no					1566
1567	no							no					1567
1568	yes	-18	-2					yes	-21	-2			1568
1569	yes	-13	-1					yes	0	-1	yes	-0.61	1569
1570	yes	-8	-2					yes	-5	-1	yes	-0.59	1570
1571	no							no					1571
1572	yes	0	0	yes	0.19	yes	0.97	yes	0	-1	yes	0.38	1572
1573	yes	-7	-1					yes	-3	-1	yes	-0.49	1573
1574	yes	-3	0	yes	3.32	yes	-0.64	yes	-4	0	yes	1.39	1574
1575	yes	-8	-1					yes	-8	-1			1575
1576	yes	-5	-3					yes	-4	-2	yes	0.14	1576
1577	yes	-11	-2					no					1577
1578	yes	-4	-3					yes	-4	-2	yes	2	1578
1579	yes	-4	-2	yes	-0.25	yes	1.53	yes	-3	-2	yes	2.23	1579
1580	yes	-23	-2					yes	-26	-2			1580
1581	yes	-19	-3					yes	-13	-3			1581
1582	yes	-24	-2					yes	-21	-2			1582
1583	yes	-34	-2					yes	-31	0			1583
1584	yes	-6	-4					no					1584
1585	yes	0	-3					no					1585
1586	no							no					1586
1587	yes	-3	-1	yes	2.96	yes	1.15	yes	-3	-2	yes	-0.52	1587
1588	yes	-28	-1					yes	-8	-1			1588
1589	yes	-3	-1	yes	3.88	yes	-0.6	yes	-4	-1	yes	-0.45	1589
1590	yes	-33	-4					yes	-27	-3			1590
1591	yes	-4	0	yes	-0.34	yes	3.16	yes	-4	-2	yes	-0.46	1591
1592	yes	-29	-2					yes	-29	-2			1592
1593	no							no					1593
1594	yes	-3	-3					yes	-3	-3			1594
1595	no							yes	-4	-1	yes	1.56	1595
1596	no							no					1596
1597	no							no					1597
1598	no							yes	-3	-1	yes	2.83	1598
1599	yes	-28	-2					yes	-29	-2			1599

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1600	yes	-28	-3					yes	-28	-3			1600
1601	yes	-3	-4					yes	-3	-4			1601
1602	yes	-1	-1	yes	1.02	yes	-0.0318	no					1602
1603	yes	-7	-1					yes	-14	-2			1603
1604	yes	-25	-1					yes	-26	-2			1604
1605	yes	-27	-2					yes	-26	-2			1605
1606	yes	-17	-1					yes	-12	-1			1606
1607	yes	-17	-2					yes	-4	-3			1607
1608	yes	-14	-3					yes	-13	-3			1608
1609	yes	-25	0					yes	-22	0			1609
1610	yes	-28	-2					yes	-23	-4			1610
1611	yes	0	-1	yes	1.88	yes	3.45	yes	-7	-1			1611
1612	no							yes	-23	-2			1612
1613	yes	-14	-5					yes	-18	-5			1613
1614	yes	-16	-1					yes	-4	-1	yes	1.53	1614
1615	yes	-33	-3					yes	-32	0			1615
1616	yes	-18	-2					yes	-12	-2			1616
1617	yes	-23	-1					yes	-15	-2			1617
1618	yes	-5	-1	yes	1.96	yes	2.35	yes	-3	0	yes	1.1	1618
1619	yes	-33	-4					yes	-28	0			1619
1620	yes	-35	-3					yes	-13	-1			1620
1621	yes	-8	-1					yes	-8	-1			1621
1622	no							yes	-12	-2			1622
1623	yes	0	-1	yes	2.13	yes	1.18	yes	0	-1	yes	-0.0751	1623
1624	yes	-15	-1					yes	-16	-1			1624
1625	yes	-1	-2	yes	0.00213	yes	2.13	yes	-1	-2	yes	1.81	1625
1626	yes	-7	-1					yes	-4	-2	yes	1.59	1626
1627	yes	-28	-1					yes	-14	0			1627
1628	yes	-13	-3					yes	-13	-3			1628
1629	no							yes	-22	-1			1629
1630	no							no					1630
1631	no							no					1631
1632	yes	-2	-1	yes	2.67	yes	1.4	yes	-3	-2	yes	-0.0429	1632
1633	no							no					1633
1634	yes	-7	-1					yes	-3	-1	yes	1.7	1634
1635	yes	-17	-2					yes	-13	-3			1635
1636	no							no					1636
1637	yes	-26	-2					yes	0	-1	yes	3	1637
1638	yes	-4	-1	yes	0.0326	yes	0.47	yes	-3	-1	yes	-0.2	1638
1639	yes	-15	-1					yes	0	-1	yes	0.74	1639
1640	yes	-10	-1					yes	-13	-1			1640

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1641	no							yes	-4	-2	yes	rejected	1641
1642	no							no					1642
1643	yes	-7	-2					yes	-3	-2	yes	2.17	1643
1644	yes	-11	0					yes	-13	0			1644
1645	yes	-4	-1	yes	2.1	yes	0.52	yes	-3	-1	yes	2.68	1645
1646	yes	-31	-2					yes	-24	-3			1646
1647	yes	-5	-3					yes	-18	-4			1647
1648	yes	-2	-1	yes	1.71	yes	0.55	yes	-3	-1	yes	rejected	1648
1649	yes	-12	-4					yes	-9	-4			1649
1650	yes	-35	-4					yes	-26	-4			1650
1651	yes	-2	0	yes	0.00288	yes	2.3	yes	-2	-1	yes	-0.13	1651
1652	yes	-3	-1	yes	-0.0734	yes	2.57	yes	-3	-2	yes	0.2	1652
1653	yes	0	-1	yes	4.13	yes	1.19	yes	0	-1	yes	0.52	1653
1654	no							yes	-9	-1			1654
1655	yes	-2	-1	yes	-0.0231	yes	-0.76	yes	-5	-1	yes	-0.5	1655
1656	yes	0	0	yes	1.83	yes	3.92	yes	0	0	yes	-0.15	1656
1657	yes	-31	-2					no					1657
1658	no							yes	-31	-4			1658
1659	no							no					1659
1660	yes	-7	-1					yes	-3	-1	yes	-0.022	1660
1661	yes	-26	-2					yes	-8	0			1661
1662	no							yes	-1	-1	yes	-0.0827	1662
1663	no							no					1663
1664	yes	-9	-3					yes	-8	-3			1664
1665	yes	-13	-2					yes	0	-1	yes	0.25	1665
1666	no							no					1666
1667	yes	-3	-1	yes	-0.53	no		no					1667
1668	no							yes	-25	-3			1668
1669	yes	-27	-4					yes	-28	-4			1669
1670	yes	-2	-1	yes	0.73	yes	0.78	yes	-1	-1	yes	-0.22	1670
1671	yes	-14	-2					yes	-2	-1	yes	3.89	1671
1672	yes	-4	0	yes	2.71	no		yes	-6	-1			1672
1673	yes	-19	-3					yes	-9	-3			1673
1674	no							no					1674
1675	yes	-3	-1	yes	-0.16	yes	0.99	yes	-4	-2	yes	1.75	1675
1676	yes	-34	-4					yes	-23	-1			1676
1677	no							no					1677
1678	no							no					1678
1679	yes	-29	-2					yes	-9	-1			1679
1680	yes	-8	-2					yes	-3	0	yes	0.0522	1680
1681	yes	-13	-1					yes	-2	-1	yes	4.44	1681

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1682	yes	-14	-1					yes	-4	-1	yes	2.56	1682
1683	no							no					1683
1684	yes	0	-1	yes	0.31	yes	4.04	yes	0	-1	yes	3.72	1684
1685	yes	-27	-1					yes	-23	-1			1685
1686	yes	-25	-2					yes	-25	-2			1686
1687	yes	-25	-2					yes	-21	-3			1687
1688	yes	-6	-2					yes	-4	-2	yes	2.34	1688
1689	yes	-23	-3					yes	-3	-1	yes	0.92	1689
1690	yes	-7	-2					yes	-5	-2	yes	2.19	1690
1691	no							no					1691
1692	yes	-27	-3					yes	-27	-2			1692
1693	yes	-28	-1					yes	-6	-1			1693
1694	yes	-7	-2					yes	-4	0	yes	0.0416	1694
1695	no							no					1695
1696	yes	-17	-2					yes	-6	-3			1696
1697	yes	-8	0					yes	-9	0			1697
1698	no							no					1698
1699	yes	-3	-1	yes	2.49	yes	3.75	yes	-4	-1	yes	2.22	1699
1700	yes	-5	-2	yes	-0.0266	yes	1.52	yes	-5	-2	yes	-0.17	1700
1701	yes	-9	-1					yes	-4	-2	yes	1.77	1701
1702	yes	-29	-2					yes	-29	-2			1702
1703	yes	-28	0					yes	-22	0			1703
1704	yes	-16	-1					yes	-3	-1	yes	-0.31	1704
1705	no							no					1705
1706	yes	-29	-4					yes	-30	-4			1706
1707	no							no					1707
1708	no							no					1708
1709	yes	-10	-5					yes	-10	-5			1709
1710	yes	-32	-3					yes	-25	-2			1710
1711	yes	-17	-3					yes	-20	-3			1711
1712	yes	-4	0	yes	0.45	yes	0.32	yes	-3	0	yes	0.9	1712
1713	yes	0	-2	yes	3.64	yes	2.52	yes	0	-2	yes	4.5	1713
1714	yes	-8	-1					yes	-11	-1			1714
1715	yes	-7	-2					yes	-5	-1	yes	0.0306	1715
1716	yes	-26	-2					yes	-24	-2			1716
1717	no							no					1717
1718	yes	-34	-4					no					1718
1719	yes	-5	-1	yes	-0.66	no		yes	-3	-1	yes	2.65	1719
1720	yes	-3	-3					yes	-3	-3			1720
1721	yes	-4	-2	yes	-0.21	yes	-0.4	yes	-4	-2	yes	0.35	1721
1722	no							yes	-6	-2			1722

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1723	no							no					1723
1724	no							no					1724
1725	no							no					1725
1726	yes	-36	-2					yes	-28	-1			1726
1727	yes	-32	-5					yes	-22	-3			1727
1728	yes	-27	-2					yes	-23	-2			1728
1729	yes	-19	-3					yes	-5	-3			1729
1730	no							no					1730
1731	yes	-8	-1					yes	-14	-2			1731
1732	yes	-14	-3					yes	-6	-3			1732
1733	no							no					1733
1734	yes	-3	-1	yes	3.22	yes	-0.32	yes	-3	-1	yes	2.83	1734
1735	no							yes	-3	-1	yes	-0.33	1735
1736	yes	-33	-2					yes	-30	-1			1736
1737	yes	-8	-1					yes	-8	-1			1737
1738	yes	-30	-3					yes	-27	-3			1738
1739	no							no					1739
1740	yes	-8	-2					yes	-6	-2			1740
1741	yes	-30	-2					yes	-28	-3			1741
1742	yes	0	-3					yes	0	-3			1742
1743	yes	-8	-1					yes	-4	0	yes	0.46	1743
1744	yes	-35	-3					yes	-14	-1			1744
1745	yes	-33	-3					yes	-28	-3			1745
1746	yes	-4	0	yes	-0.66	yes	0.99	yes	-3	0	yes	-0.69	1746
1747	yes	-1	-3					yes	0	-3			1747
1748	no							no					1748
1749	yes	-30	-4					yes	-27	-2			1749
1750	yes	-22	-1					yes	-19	-1			1750
1751	yes	-2	-2	yes	3.77	yes	-0.0104	no					1751
1752	yes	-1	-2	yes	-0.29	yes	-0.58	yes	-13	-3			1752
1753	yes	-13	-2					yes	-9	-2			1753
1754	yes	-28	-2					yes	-25	-2			1754
1755	yes	-33	-2					yes	-28	-1			1755
1756	yes	-22	-1					yes	-24	-1			1756
1757	yes	-3	-1	yes	2.14	yes	rejected	yes	-4	-1	yes	0.52	1757
1758	no							no					1758
1759	yes	-9	-3					yes	-8	-3			1759
1760	no							no					1760
1761	no							no					1761
1762	yes	-6	-2					yes	-6	-2			1762
1763	yes	-30	-1					yes	-28	-1			1763

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1764	yes	-25	-2					yes	-9	-3			1764
1765	no							no					1765
1766	no							no					1766
1767	yes	-1	-4					yes	-1	-4			1767
1768	no							yes	-13	-1			1768
1769	yes	-25	-1					no					1769
1770	no							no					1770
1771	yes	-27	-2					yes	-27	-2			1771
1772	yes	-4	-1	yes	1.87	yes	1.27	yes	-4	-1	yes	-0.33	1772
1773	yes	-5	-1	yes	0.16	yes	3.06	yes	-4	-1	yes	3.23	1773
1774	yes	-32	-2					yes	-30	-1			1774
1775	yes	-28	-1					yes	-15	-1			1775
1776	no							no					1776
1777	yes	-9	-2					no					1777
1778	no							no					1778
1779	yes	-9	-2					yes	-10	-2			1779
1780	no							no					1780
1781	yes	-9	0					yes	-11	0			1781
1782	yes	0	-1	yes	-0.0364	yes	-0.15	yes	0	-1	yes	-0.0175	1782
1783	yes	-13	-4					yes	-2	-4			1783
1784	yes	-28	-4					yes	-31	-4			1784
1785	yes	0	-1	yes	1.59	no		yes	-1	-1	yes	1.17	1785
1786	no							no					1786
1787	no							no					1787
1788	no							no					1788
1789	no							no					1789
1790	yes	-3	0	yes	1.54	yes	1.35	yes	-3	0	yes	2.5	1790
1791	yes	-8	0					yes	-9	-1			1791
1792	yes	-29	-3					yes	-27	-3			1792
1793	no							no					1793
1794	yes	-7	-1					no					1794
1795	yes	-21	-4					yes	-21	-4			1795
1796	yes	-4	-2	yes	-0.15	yes	2.97	yes	-7	-2			1796
1797	yes	-8	-1					yes	-9	-1			1797
1798	no							no					1798
1799	no							yes	-14	-4			1799
1800	no							yes	-1	-4			1800
1801	no							yes	-3	0	yes	1.24	1801
1802	yes	-29	-2					yes	-29	-2			1802
1803	yes	-28	-2					yes	-14	-3			1803
1804	no							no					1804

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1805	yes	-12	-1					yes	-3	-2	yes	-0.64	1805
1806	yes	-2	0	yes	-0.15	yes	0.62	yes	-2	-1	yes	-0.48	1806
1807	no							no					1807
1808	yes	-29	-2					no					1808
1809	yes	-27	-2					yes	-24	-2			1809
1810	yes	-21	-3					no					1810
1811	yes	-32	0					yes	-23	0			1811
1812	yes	-3	-1	yes	0.0909	yes	-0.37	yes	-11	-1			1812
1813	yes	0	-1	yes	-0.31	yes	-0.3	yes	0	-1	yes	-0.24	1813
1814	no							no					1814
1815	yes	-3	-2	yes	1.26	yes	0.84	yes	-5	-2	yes	2.91	1815
1816	yes	-21	-2					yes	-8	-1			1816
1817	yes	-3	-2	yes	-0.39	yes	1.16	yes	-3	-2	yes	-0.19	1817
1818	yes	-9	-4					yes	-8	-4			1818
1819	yes	-29	-1					yes	-15	0			1819
1820	yes	-29	-2					yes	-28	-2			1820
1821	yes	-13	-2					yes	-7	-3			1821
1822	no							no					1822
1823	no							no					1823
1824	yes	-2	-1	yes	2.37	yes	0.00141	yes	-5	-1	yes	-0.46	1824
1825	no							no					1825
1826	no							no					1826
1827	no							yes	0	-1	yes	-0.46	1827
1828	yes	-14	-3					yes	-9	-3			1828
1829	yes	-6	-1					no					1829
1830	yes	-3	-1	yes	-0.2	yes	0.59	yes	-2	0	yes	0.37	1830
1831	yes	-30	-2					yes	-10	-2			1831
1832	yes	-28	-2					yes	-26	-2			1832
1833	no							yes	-9	-1			1833
1834	yes	-33	-2					yes	-20	-3			1834
1835	yes	-12	-1					yes	-12	-1			1835
1836	no							no					1836
1837	no							yes	-9	-4			1837
1838	yes	-31	0					yes	-27	0			1838
1839	yes	0	-1	yes	1.41	yes	1.15	yes	0	-1	yes	0.53	1839
1840	yes	-10	-1					yes	-11	-1			1840
1841	yes	-7	-3					yes	-7	-3			1841
1842	yes	0	-3					no					1842
1843	yes	-27	-2					yes	-27	-2			1843
1844	yes	-25	-2					no					1844
1845	yes	-15	-1					yes	-11	-1			1845

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1846	yes	-3	-1	yes	-0.24	yes	1.24	yes	-3	-1	yes	1.6	1846
1847	yes	-6	-2					yes	-3	-1	yes	-0.22	1847
1848	yes	-6	-2					yes	-3	-2	yes	0.0878	1848
1849	yes	-25	-2					yes	-23	-2			1849
1850	yes	-10	-2					yes	-14	-2			1850
1851	yes	-3	-1	yes	0.0218	yes	1.32	yes	-3	-1	yes	1.15	1851
1852	no							no					1852
1853	yes	-34	-2					yes	-21	0			1853
1854	yes	-19	-2					yes	-26	-3			1854
1855	no							no					1855
1856	yes	-13	0					yes	-8	-1			1856
1857	yes	-3	-2	yes	0.0685	yes	0.46	yes	-3	-2	yes	1.86	1857
1858	yes	-35	-3					yes	-15	-1			1858
1859	no							no					1859
1860	no							yes	-3	-2	yes	1.02	1860
1861	yes	-8	0					no					1861
1862	yes	-31	-3					yes	-21	-2			1862
1863	yes	-3	-3					yes	-3	-3			1863
1864	yes	-6	-2					yes	-3	0	yes	0.13	1864
1865	yes	-32	-2					yes	-33	-2			1865
1866	no							no					1866
1867	yes	-24	-3					yes	-21	-3			1867
1868	no							yes	-13	0			1868
1869	yes	-3	-2	yes	0.9	yes	0.56	yes	-3	-2	yes	0.11	1869
1870	no							no					1870
1871	no							no					1871
1872	yes	-29	-3					yes	-9	-3			1872
1873	yes	-28	-4					yes	-29	-4			1873
1874	yes	-5	-3					yes	-5	-3			1874
1875	yes	-5	-3					yes	0	-4			1875
1876	yes	-14	-3					yes	-14	-3			1876
1877	yes	-9	-2					yes	-15	-2			1877
1878	no							no					1878
1879	yes	-24	-2					yes	-8	-1			1879
1880	no							no					1880
1881	no							yes	-20	-3			1881
1882	yes	-34	-2					yes	-17	0			1882
1883	yes	-28	-2					yes	-13	-2			1883
1884	yes	-22	-2					yes	-23	-2			1884
1885	no							yes	-9	-4			1885
1886	yes	-6	-1					yes	0	-1	yes	2.03	1886

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1887	yes	-36	-2					yes	-36	-2			1887
1888	no							no					1888
1889	yes	-29	-2					yes	-24	-2			1889
1890	yes	-30	-2					yes	-5	-3			1890
1891	yes	-13	-1					yes	-4	-1	yes	-0.19	1891
1892	yes	-15	-1					yes	-19	-4			1892
1893	yes	-33	-3					yes	-31	-3			1893
1894	no							yes	-25	-1			1894
1895	yes	-29	-1					no					1895
1896	no							no					1896
1897	yes	-2	-3					yes	-2	-4			1897
1898	no							no					1898
1899	yes	-20	-2					yes	-16	-1			1899
1900	yes	-10	-1					no					1900
1901	no							yes	-1	-1	yes	1.34	1901
1902	no							no					1902
1903	no							no					1903
1904	yes	-2	-1	yes	-0.46	yes	-1.09	yes	0	-1	yes	-0.58	1904
1905	yes	-4	-3					no					1905
1906	yes	-3	-2	yes	-0.38	yes	0.83	yes	-7	-2			1906
1907	yes	-4	0	yes	2.05	yes	3.4	yes	-3	-1	yes	3.97	1907
1908	yes	-11	-2					yes	-11	-2			1908
1909	no							no					1909
1910	no							no					1910
1911	yes	-13	-5					yes	-13	-5			1911
1912	yes	0	-2	yes	1.47	yes	1.28	yes	0	-1	yes	1.9	1912
1913	yes	-4	-1	yes	2.62	yes	-0.51	yes	-4	-1	yes	-0.34	1913
1914	no							no					1914
1915	yes	-5	-2	yes	1.56	yes	1.27	yes	-3	0	yes	-0.46	1915
1916	yes	-3	-2	yes	0.46	yes	0.19	yes	-3	-2	yes	2.1	1916
1917	no							no					1917
1918	no							no					1918
1919	no							yes	-7	-4			1919
1920	yes	-10	0					yes	-11	-1			1920
1921	yes	-15	-4					yes	-10	-4			1921
1922	yes	-14	-2					yes	-14	-2			1922
1923	yes	0	-2	yes	1.29	yes	1.67	yes	0	-3			1923
1924	no							no					1924
1925	no							no					1925
1926	no							no					1926
1927	no							no					1927

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1928	yes	-31	-2					yes	-22	-2			1928
1929	yes	-11	-2					yes	-15	-2			1929
1930	no							no					1930
1931	yes	-10	-3					yes	-1	-3			1931
1932	yes	-6	-1					no					1932
1933	no							no					1933
1934	yes	-31	-1					yes	-28	-1			1934
1935	yes	0	-2	yes	0.0968	yes	0.61	yes	0	-2	yes	0.05	1935
1936	no							no					1936
1937	yes	-1	-2	yes	-0.0277	yes	1.43	yes	0	-2	yes	-0.0777	1937
1938	yes	-30	-3					yes	-25	-3			1938
1939	yes	-4	0	yes	rejected			yes	-2	0	yes	-0.28	1939
1940	no							no					1940
1941	no							no					1941
1942	yes	0	-1	yes	-0.0397	yes	0.72	yes	0	0	yes	4.01	1942
1943	yes	-1	-3					yes	0	-3			1943
1944	no							yes	-9	-2			1944
1945	no							no					1945
1946	no							yes	-22	-1			1946
1947	no							yes	-8	0			1947
1948	yes	-30	-4					yes	-31	-4			1948
1949	no							no					1949
1950	no							no					1950
1951	yes	-32	-4					yes	-30	-3			1951
1952	no							no					1952
1953	yes	-30	-3					yes	-30	-3			1953
1954	yes	-2	-2	yes	2.4	yes	3.02	yes	-14	-3			1954
1955	no							yes	-18	-1			1955
1956	no							no					1956
1957	no							no					1957
1958	no							no					1958
1959	no							no					1959
1960	yes	-12	-2					no					1960
1961	no							yes	-20	0			1961
1962	yes	-34	-5					yes	-30	-2			1962
1963	yes	-30	-1					yes	0	-1	yes	3.49	1963
1964	yes	-18	0					yes	-19	0			1964
1965	yes	-32	-3					yes	-25	0			1965
1966	no							no					1966
1967	yes	-21	-2					yes	-4	-1	yes	-0.53	1967
1968	no							no					1968

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
1969	no							no					1969
1970	yes	-7	-2					yes	-9	-2			1970
1971	yes	-19	0					yes	-20	0			1971
1972	yes	-3	-1	yes	-0.42	yes	-0.87	yes	-2	0	yes	1.46	1972
1973	no							no					1973
1974	no							no					1974
1975	yes	-25	-2					yes	-15	-1			1975
1976	no							no					1976
1977	yes	0	-1	yes	1.78	yes	2.01	yes	0	-1	yes	-0.21	1977
1978	no							no					1978
1979	no							no					1979
1980	yes	-27	-2					yes	-24	-2			1980
1981	yes	-4	-1	yes	0.22	no		no					1981
1982	no							no					1982
1983	yes	-32	-2					yes	-31	-2			1983
1984	no							no					1984
1985	no							no					1985
1986	yes	-20	-1					yes	-3	0	yes	-0.0451	1986
1987	yes	-3	-1	yes	-0.0719	yes	0.99	yes	-3	-1	yes	1.07	1987
1988	yes	-19	-1					yes	-22	-1			1988
1989	yes	-3	0	yes	3.8	yes	0.89	yes	-3	0	yes	1.64	1989
1990	no							no					1990
1991	yes	-25	-2					yes	-24	-2			1991
1992	yes	0	-4					yes	-2	-4			1992
1993	no							no					1993
1994	yes	-8	-1					yes	-7	-1			1994
1995	no							no					1995
1996	no							no					1996
1997	no							yes	-24	-3			1997
1998	no							yes	-6	-1			1998
1999	yes	-6	-4					no					1999
2000	yes	-22	-1					yes	-1	-1	yes	0.52	2000
2001	yes	-7	-4					yes	-7	-4			2001
2002	yes	-17	0					yes	-26	0			2002
2003	yes	-5	-1	yes	4.05	yes	2.19	yes	-5	-1	yes	3.09	2003
2004	yes	-34	-1					yes	-29	-1			2004
2005	yes	-7	-3					yes	-9	-4			2005
2006	no							no					2006
2007	no							no					2007
2008	yes	-1	-2	yes	1.2	yes	-1.22	yes	0	-3			2008
2009	no							yes	-31	-4			2009

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2010	no							yes	-6	-3			2010
2011	yes	-30	-1					yes	-13	-2			2011
2012	no							no					2012
2013	no							yes	-30	-1			2013
2014	yes	-4	-1	yes	0.0465	yes	1	yes	-1	-1	yes	1.23	2014
2015	yes	-3	0	yes	1.27	yes	0.91	yes	-3	0	yes	-0.12	2015
2016	yes	-9	-2					yes	-3	-3			2016
2017	yes	-12	-1					yes	-3	-2	yes	0.68	2017
2018	yes	0	-1	yes	1.29	yes	1.45	yes	0	-1	yes	-0.0586	2018
2019	yes	-3	-1	yes	1.97	yes	0.8	no					2019
2020	yes	-4	-3					yes	-4	-3			2020
2021	yes	-5	-1	yes	1.57	yes	0.7	yes	-3	-1	yes	0.35	2021
2022	no							yes	-11	-3			2022
2023	yes	-9	-1					yes	-10	-1			2023
2024	yes	-31	-3					yes	-29	-3			2024
2025	no							no					2025
2026	yes	-4	-1	yes	3.14	yes	2.27	yes	-4	-1	yes	1.51	2026
2027	yes	-33	-4					yes	-30	-4			2027
2028	yes	-3	-2	yes	2.24	yes	2.39	yes	0	-1	yes	-0.3	2028
2029	no							yes	-18	-2			2029
2030	yes	-3	-2	yes	-0.0912	yes	0.46	yes	-7	-2			2030
2031	no							no					2031
2032	yes	-17	-1					yes	-2	0	yes	0.52	2032
2033	yes	-34	-1					yes	-3	-2	yes	3.29	2033
2034	no							yes	-13	-3			2034
2035	yes	-2	-1	yes	4.53	yes	1.8	yes	-3	0	yes	2.82	2035
2036	yes	-7	-1					yes	-9	-1			2036
2037	yes	-12	-2					yes	-14	-2			2037
2038	no							no					2038
2039	yes	-5	-1	yes	2.51	yes	4.13	yes	0	-2	yes	1.67	2039
2040	yes	-32	-3					yes	-18	-2			2040
2041	yes	-33	-2					yes	-28	0			2041
2042	yes	-13	-3					yes	-7	-3			2042
2043	yes	0	-1	yes	1.76	yes	1.87	yes	0	-1	yes	1.89	2043
2044	no							no					2044
2045	yes	-27	-3					no					2045
2046	yes	-15	-3					yes	-16	-3			2046
2047	yes	-29	-2					yes	-27	-2			2047
2048	yes	-33	-2					yes	-14	-1			2048
2049	yes	-6	-2					yes	-3	-2	yes	3.97	2049
2050	yes	-1	-3					yes	-1	-3			2050

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2051	yes	-8	-2					yes	-8	-2			2051
2052	yes	-24	-2					yes	-24	-2			2052
2053	no							no					2053
2054	yes	-23	-5					yes	-13	-3			2054
2055	yes	-27	-2					yes	-17	-2			2055
2056	no							no					2056
2057	yes	0	-1	yes	1.81	yes	0.28	yes	0	-1	yes	0.91	2057
2058	no							no					2058
2059	yes	-10	0					yes	-10	0			2059
2060	yes	-20	-1					yes	-25	-1			2060
2061	yes	-27	-1					yes	-2	-1	yes	2.02	2061
2062	yes	-2	-3					yes	-3	-3			2062
2063	yes	-4	-1	yes	0.26	yes	0.72	yes	-5	-1	yes	0.9	2063
2064	yes	-18	-4					yes	-13	-4			2064
2065	yes	-9	-2					yes	-10	-1			2065
2066	yes	-6	-1					yes	-4	-1	yes	2.93	2066
2067	yes	-21	-3					yes	-25	-3			2067
2068	yes	-27	-3					yes	-16	-2			2068
2069	no							yes	-16	-2			2069
2070	yes	-28	-2					yes	-4	-3			2070
2071	yes	-31	-1					no					2071
2072	yes	-17	-1					no					2072
2073	yes	-14	-2					no					2073
2074	yes	-5	-1	yes	2.69	yes	2.04	yes	-4	-1	yes	-0.19	2074
2075	yes	0	-1	yes	2.43	yes	0.41	yes	0	-1	yes	0.12	2075
2076	yes	-25	-2					yes	0	-1	yes	2.11	2076
2077	yes	-3	-2	yes	rejected			yes	-8	-2			2077
2078	no							no					2078
2079	yes	-13	-5					no					2079
2080	yes	-9	-1					yes	-7	-1			2080
2081	yes	-34	-4					yes	-27	-2			2081
2082	yes	-16	-1					yes	-5	0	yes	-0.4	2082
2083	yes	-3	-5					yes	-2	-5			2083
2084	yes	0	-1	yes	2.03	yes	1.97	yes	0	-1	yes	0.0454	2084
2085	yes	-33	-3					yes	-10	0			2085
2086	no							yes	-27	-4			2086
2087	yes	-22	-2					yes	-16	-2			2087
2088	yes	-4	-2	yes	0.16	no		no					2088
2089	yes	-14	-1					yes	-7	-1			2089
2090	no							no					2090
2091	yes	-10	-1					yes	-10	-1			2091

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2092	yes	-23	-2					yes	-14	-1			2092
2093	yes	-19	-2					yes	-8	-2			2093
2094	yes	-27	-2					no					2094
2095	no							no					2095
2096	no							no					2096
2097	yes	-7	-1					yes	0	-2	yes	0.00174	2097
2098	yes	-7	-1					yes	-24	-4			2098
2099	yes	-29	-2					yes	-29	-2			2099
2100	no							yes	-10	0			2100
2101	yes	-13	-2					yes	-6	-3			2101
2102	yes	-32	-2					yes	-13	0			2102
2103	yes	-19	-3					yes	-16	-3			2103
2104	yes	-25	-2					yes	-23	-2			2104
2105	yes	-26	-1					yes	-15	-1			2105
2106	yes	-20	-2					yes	-23	-2			2106
2107	yes	-26	-2					yes	-24	-2			2107
2108	yes	-13	-1					yes	-5	-1	yes	1.8	2108
2109	no							no					2109
2110	yes	-12	-3					yes	-12	-3			2110
2111	yes	-25	-2					yes	-19	-2			2111
2112	no							yes	-20	-1			2112
2113	yes	-28	-1					yes	-28	-1			2113
2114	no							yes	-11	-1			2114
2115	yes	-3	0	yes	-0.1	yes	-0.75	yes	-3	0	yes	-0.42	2115
2116	no							no					2116
2117	yes	-2	-1	yes	0.16	yes	-0.0461	yes	-3	-1	yes	0.36	2117
2118	yes	-1	-2	yes	2.14	yes	3.64	no					2118
2119	yes	-4	-1	yes	-0.061	yes	1.67	yes	-3	-1	yes	0.33	2119
2120	yes	-29	-2					yes	-8	0			2120
2121	no							yes	-6	0			2121
2122	no							no					2122
2123	yes	-16	-4					yes	-17	-4			2123
2124	yes	-14	-3					yes	0	-3			2124
2125	yes	-27	-2					yes	-26	-2			2125
2126	yes	0	-1	yes	-0.23	yes	0.19	yes	0	-1	yes	-0.14	2126
2127	yes	0	-1	yes	-0.53	yes	0.59	yes	0	-1	yes	-0.29	2127
2128	yes	-21	-2					yes	-5	-2	yes	2.48	2128
2129	yes	-3	-3					yes	-4	-3			2129
2130	no							no					2130
2131	yes	-27	-2					no					2131
2132	yes	-30	-2					yes	-22	-1			2132

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2133	yes	-27	-1					yes	-5	-2	yes	-0.12	2133
2134	yes	-3	-1	yes	-0.0728	yes	2.56	yes	-6	-1			2134
2135	yes	-2	-1	yes	2	yes	4.45	yes	-3	-1	yes	1.49	2135
2136	yes	-29	-3					yes	-20	-2			2136
2137	yes	-5	-1	yes	-0.0991	yes	0.93	yes	-4	-1	yes	-0.63	2137
2138	yes	-13	-3					yes	-11	-3			2138
2139	yes	-14	-2					yes	-10	-2			2139
2140	yes	-4	-1	yes	2.27	yes	3.51	yes	-6	-1			2140
2141	yes	-3	-1	yes	2.49	yes	0.21	yes	-14	-2			2141
2142	yes	-1	-1	yes	-0.19	yes	0.59	yes	-3	-3			2142
2143	no							yes	-2	0	yes	0.0386	2143
2144	yes	-9	-3					yes	-18	-2			2144
2145	yes	-20	-2					yes	-14	-2			2145
2146	yes	-27	-2					yes	-30	-2			2146
2147	yes	-8	0					yes	-7	0			2147
2148	yes	-3	-1	yes	0.81	yes	1.06	yes	-3	-1	yes	1.96	2148
2149	yes	-8	-2					yes	-3	-3			2149
2150	yes	-7	-1					yes	-9	-1			2150
2151	yes	-4	-1	yes	2.72	yes	3.41	yes	-5	-1	yes	-0.52	2151
2152	no							no					2152
2153	no							no					2153
2154	yes	-2	-1	yes	-0.46	yes	0.25	yes	-3	-3			2154
2155	yes	-2	-1	yes	1.45	yes	0.4	yes	-8	-1			2155
2156	no							no					2156
2157	yes	-12	-2					yes	-5	-2	yes	0.84	2157
2158	yes	-33	-1					yes	-28	-2			2158
2159	yes	-3	-1	yes	0.12	yes	1.49	yes	-3	-1	yes	1.24	2159
2160	yes	0	-4					yes	0	-4			2160
2161	no							no					2161
2162	yes	-22	-2					yes	-27	-2			2162
2163	yes	-3	-1	yes	1.33	yes	0.88	yes	-4	-1	yes	-0.65	2163
2164	yes	-9	-4					yes	-7	-4			2164
2165	yes	-21	-1					no					2165
2166	yes	-6	-3					yes	-10	-3			2166
2167	no							no					2167
2168	yes	-11	-3					yes	-11	-3			2168
2169	yes	-11	-1					yes	-18	-1			2169
2170	no							no					2170
2171	yes	0	-1	yes	-0.58	yes	0.66	yes	-2	-2	yes	1.58	2171
2172	yes	-19	-4					yes	-6	-2			2172
2173	yes	0	-2	yes	-0.54	yes	-0.87	yes	0	-3			2173

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2174	yes	-4	-1	yes	0.0382	yes	-0.0773	yes	-4	-1	yes	0.21	2174
2175	yes	-29	-3					yes	-29	-4			2175
2176	yes	-3	0	yes	0.83	yes	-0.13	yes	-3	0	yes	2.08	2176
2177	yes	-31	-2					yes	-4	-2	yes	1.23	2177
2178	yes	-32	-2					yes	-25	-2			2178
2179	no							no					2179
2180	yes	-5	-1	yes	0.0133	yes	3.35	yes	-8	-1			2180
2181	no							no					2181
2182	yes	-4	-1	yes	-0.57	yes	2.01	yes	-3	-1	yes	-0.41	2182
2183	yes	-8	-3					yes	0	-4			2183
2184	yes	-11	-3					yes	-11	-2			2184
2185	yes	-4	-2	yes	-0.44	yes	1.02	yes	-4	-2	yes	-0.28	2185
2186	yes	-5	-1	yes	1.26	yes	0.3	yes	-4	-1	yes	0.11	2186
2187	yes	-3	-1	yes	1.66	yes	1.17	yes	-4	-1	yes	rejected	2187
2188	yes	-3	-2	yes	2.86	yes	1.81	yes	-3	-3			2188
2189	no							no					2189
2190	no							yes	-5	-2	yes	2.93	2190
2191	no							yes	0	-1	yes	-0.0678	2191
2192	yes	-5	-2	yes	1.37	yes	0.61	yes	-4	-2	yes	-0.44	2192
2193	yes	-19	0					yes	-11	0			2193
2194	yes	-7	-2					yes	-22	-4			2194
2195	yes	-21	-2					yes	-10	-2			2195
2196	no							no					2196
2197	yes	-26	-4					yes	-23	-2			2197
2198	yes	-3	-2	yes	4.25	yes	-0.00435	yes	-4	-2	yes	3.79	2198
2199	yes	-18	-2					no					2199
2200	no							no					2200
2201	yes	-9	-3					yes	-7	-3			2201
2202	yes	-5	-2	yes	2.21	yes	1.04	yes	-4	-1	yes	3.98	2202
2203	yes	-33	-2					yes	-28	-2			2203
2204	no							no					2204
2205	no							yes	-6	0			2205
2206	yes	0	-1					yes	0	-1	yes	0.0807	2206
2207	yes	-21	-3					yes	-27	-3			2207
2208	no							yes	-25	0			2208
2209	yes	-34	-4					yes	-17	-3			2209
2210	yes	-34	-4					yes	-31	-1			2210
2211	no							no					2211
2212	yes	0	-3					yes	0	-2	yes	-0.47	2212
2213	yes	-9	-2					yes	0	-1	yes	-0.0979	2213
2214	yes	-4	-1	yes	1.49	yes	0.77	yes	-3	0	yes	0.18	2214

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2215	yes	-19	-1					yes	-3	-2	yes	1.45	2215
2216	yes	-10	-3					yes	-13	-3			2216
2217	yes	-31	-2					yes	-23	-2			2217
2218	no							no					2218
2219	yes	-30	-2					yes	-24	-2			2219
2220	no							no					2220
2221	yes	-23	-2					yes	-23	-2			2221
2222	yes	-28	0					yes	-15	-1			2222
2223	yes	-12	-1					yes	-15	-1			2223
2224	no							no					2224
2225	yes	-3	-1	yes	0.17	yes	0.65	yes	-3	-1	yes	2.09	2225
2226	yes	-22	-3					no					2226
2227	yes	-8	0					yes	-10	0			2227
2228	yes	0	-4					yes	-2	-4			2228
2229	yes	-22	-3					yes	-23	-3			2229
2230	yes	0	-1	yes	0.34	yes	1.3	yes	0	-1	yes	-0.22	2230
2231	yes	-14	-3					yes	-15	-3			2231
2232	yes	-13	-1					yes	0	-1	yes	1.36	2232
2233	no							no					2233
2234	no							no					2234
2235	yes	-15	-2					yes	-3	-1	yes	1.24	2235
2236	yes	0	-5					no					2236
2237	yes	-36	-1					yes	-12	-3			2237
2238	yes	-13	-3					yes	-3	-3			2238
2239	yes	-11	-3					yes	-8	-3			2239
2240	yes	-2	-1	yes	3.74	yes	-0.26	yes	-2	-1	yes	-0.36	2240
2241	yes	-7	-4					yes	-9	-4			2241
2242	yes	-4	0	yes	0.61	yes	0.0309	yes	-6	-1			2242
2243	no							no					2243
2244	no							no					2244
2245	yes	-1	-1	yes	0.2	yes	-0.0142	yes	-23	-3			2245
2246	yes	-21	0					yes	-29	0			2246
2247	yes	-10	-3					yes	-11	-3			2247
2248	yes	-26	-3					yes	-26	-3			2248
2249	yes	0	-2	yes	2.91	yes	2.61	yes	0	-2	yes	3.19	2249
2250	yes	-30	-4					yes	-21	-2			2250
2251	yes	-34	-2					no					2251
2252	yes	-27	-2					yes	-25	-2			2252
2253	yes	-3	-1	yes	1.26	yes	0.52	yes	0	-1	yes	2.63	2253
2254	yes	-3	-1	yes	0.14	yes	0.72	yes	-14	-1			2254
2255	yes	0	-1	yes	-0.0765	yes	2.2	yes	0	-2	yes	1.34	2255

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2256	yes	-28	-1					yes	-18	-1			2256
2257	no							yes	-7	-2			2257
2258	yes	-32	-2					no					2258
2259	yes	-3	-1	yes	-0.15	yes	rejected	yes	-4	-1	yes	1.37	2259
2260	yes	-22	-3					yes	-22	-3			2260
2261	yes	-8	0					yes	-7	0			2261
2262	yes	-2	-1	yes	3.99	yes	3.71	yes	-2	-1	yes	-0.0275	2262
2263	no							no					2263
2264	yes	-31	-2					yes	-25	-1			2264
2265	no							no					2265
2266	yes	-4	-2	yes	-0.12	yes	0.35	yes	-3	-2	yes	1.5	2266
2267	yes	-2	-3					no					2267
2268	yes	-5	-1	yes	1.96	yes	1.51	no					2268
2269	yes	0	-1	yes	-0.21	yes	0.94	yes	-2	-2	yes	-0.08	2269
2270	yes	-4	0	yes	rejected			yes	-3	0	yes	4.54	2270
2271	yes	-22	-3					yes	-11	-4			2271
2272	yes	-12	-4					yes	-14	-3			2272
2273	yes	-27	-2					yes	-3	0	yes	2.76	2273
2274	yes	-3	0	yes	-0.17	yes	3.53	yes	-2	0	yes	2.77	2274
2275	yes	-13	-1					yes	-12	-1			2275
2276	yes	-33	-2					yes	-25	0			2276
2277	yes	-3	-2	yes	0.0333	no		no					2277
2278	yes	-26	-1					yes	-18	0			2278
2279	yes	-9	0					yes	-14	0			2279
2280	yes	-5	-1	yes	2.69	yes	1.3	yes	-5	-1	yes	rejected	2280
2281	yes	-10	-1					yes	-11	-1			2281
2282	yes	0	-3					yes	-3	-4			2282
2283	yes	-7	-1					yes	0	0	yes	2.29	2283
2284	yes	-29	-2					yes	-19	-3			2284
2285	yes	-31	-3					no					2285
2286	yes	-14	-1					yes	-14	-1			2286
2287	no							no					2287
2288	yes	-8	-1					yes	-4	-2	yes	2.5	2288
2289	no							no					2289
2290	no							no					2290
2291	yes	-5	-1	yes	-0.12	yes	-0.0478	yes	-7	-1			2291
2292	no							yes	-7	0			2292
2293	no							no					2293
2294	yes	-2	-3					yes	-3	-2	yes	0.0858	2294
2295	yes	-5	-1	yes	2.56	yes	4.97	no					2295
2296	yes	-36	-3					yes	-30	-3			2296

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2297	yes	-30	-3					yes	-29	-3			2297
2298	yes	-5	-1	yes	2.98	yes	4.4	yes	-5	-1	yes	2.48	2298
2299	yes	-5	0	yes	-0.0716	yes	1.42	yes	-5	0	yes	2.15	2299
2300	no							no					2300
2301	yes	-14	-1					yes	-13	-1			2301
2302	yes	-3	-1	yes	0.12	yes	3.75	yes	-3	-1	yes	-0.29	2302
2303	yes	0	-2	yes	2.1	yes	4.04	yes	-1	-1	yes	0.0107	2303
2304	yes	-2	-1	yes	-0.28	no		no					2304
2305	yes	-20	-4					yes	-21	-4			2305
2306	yes	-33	-3					yes	-28	-3			2306
2307	yes	-26	-2					yes	-27	-2			2307
2308	yes	-14	-3					yes	-14	-3			2308
2309	no							yes	-30	-2			2309
2310	yes	-30	-3					yes	-8	-1			2310
2311	no							no					2311
2312	yes	-25	0					yes	-21	0			2312
2313	yes	-3	-1	yes	-0.66	yes	2.37	yes	-9	0			2313
2314	yes	-14	-2					yes	-14	-2			2314
2315	yes	-14	-2					yes	-9	-2			2315
2316	yes	-25	-3					yes	-25	-3			2316
2317	yes	-1	-3					no					2317
2318	yes	-10	0					no					2318
2319	yes	-3	-2	yes	2.45	yes	1.07	yes	-3	-2	yes	1.2	2319
2320	yes	-15	-1					yes	-11	-1			2320
2321	yes	-5	-3					yes	-4	-3			2321
2322	yes	-1	-1	yes	1.93	yes	0.44	yes	0	0	yes	-0.48	2322
2323	yes	-23	-1					no					2323
2324	yes	-24	-3					yes	-21	-3			2324
2325	yes	-30	-3					yes	-30	-3			2325
2326	yes	-1	-2	yes	3.07	yes	0.14	yes	-3	-1	yes	0.2	2326
2327	no							no					2327
2328	yes	-21	-1					yes	-4	-2	yes	3.78	2328
2329	no							no					2329
2330	no							no					2330
2331	yes	-21	-2					yes	-8	-1			2331
2332	no							no					2332
2333	yes	-7	-3					yes	-1	-3			2333
2334	no							no					2334
2335	yes	-27	-5					yes	-14	-3			2335
2336	no							no					2336
2337	yes	-13	-2					yes	-11	-2			2337

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2338	yes	-12	-2					yes	-11	-1			2338
2339	yes	-16	-3					yes	-5	-2	yes	3.26	2339
2340	no							no					2340
2341	no							no					2341
2342	yes	-8	-1					yes	-3	-2	yes	3.91	2342
2343	yes	-13	-2					yes	-14	-2			2343
2344	yes	-30	-4					yes	-20	-3			2344
2345	yes	-8	-1					yes	-8	-1			2345
2346	no							no					2346
2347	yes	-28	-2					yes	-22	0			2347
2348	yes	-8	-1					yes	-13	-1			2348
2349	yes	-3	-2	yes	-0.39	yes	-0.14	yes	-3	-2	yes	-0.47	2349
2350	yes	-28	-2					yes	-26	-2			2350
2351	no							no					2351
2352	yes	-14	-1					yes	-9	0			2352
2353	no							no					2353
2354	yes	-9	-3					yes	-8	-3			2354
2355	yes	0	-3					yes	0	-3			2355
2356	yes	-31	-3					yes	-27	-2			2356
2357	yes	-11	-1					yes	-14	-1			2357
2358	no							no					2358
2359	yes	-10	-2					yes	-10	-2			2359
2360	yes	0	-2	yes	-0.26	no		yes	-1	-3			2360
2361	no							no					2361
2362	yes	-4	-2	yes	-0.15	yes	rejected	yes	-4	-2	yes	-0.21	2362
2363	yes	-2	-1	yes	2.06	yes	2.18	yes	-3	-2	yes	2.59	2363
2364	yes	-31	-2					yes	-24	-1			2364
2365	yes	-29	-3					yes	-25	-3			2365
2366	yes	-31	-3					yes	-23	-3			2366
2367	yes	-3	-4					yes	-3	-4			2367
2368	yes	-16	-1					yes	-15	-1			2368
2369	yes	-36	-1					yes	-31	0			2369
2370	yes	-31	-3					yes	-32	-2			2370
2371	yes	-34	-3					yes	-34	-3			2371
2372	yes	-28	-2					yes	-19	-2			2372
2373	yes	-3	0	yes	3.3	yes	2.26	yes	-3	-1	yes	-0.66	2373
2374	yes	-12	-3					yes	-15	-2			2374
2375	yes	0	-1	yes	4.09	yes	-0.21	yes	0	-1	yes	-0.22	2375
2376	yes	-2	-1	yes	2.48	yes	-0.15	yes	-3	0	yes	0.61	2376
2377	yes	-35	-4					yes	-31	-3			2377
2378	yes	-3	-1	yes	-0.5	yes	0.32	yes	-4	-1	yes	1.41	2378

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2379	no							yes	-3	-1	yes	0.74	2379
2380	yes	-1	-4					yes	-16	-5			2380
2381	no							no					2381
2382	yes	-5	-3					yes	-2	-4			2382
2383	yes	-14	-2					yes	-4	-1	yes	-0.14	2383
2384	yes	-3	-1	yes	1.61	yes	-0.0518	yes	-3	-1	yes	-0.0185	2384
2385	yes	-7	-1					yes	-5	-1	yes	-0.17	2385
2386	yes	-25	-3					yes	-27	-3			2386
2387	no							no					2387
2388	no							no					2388
2389	yes	-14	-3					yes	-3	-1	yes	-0.00194	2389
2390	yes	-10	0					yes	-8	0			2390
2391	yes	-11	-2					yes	-7	-2			2391
2392	no							no					2392
2393	yes	-30	-3					yes	-28	-3			2393
2394	yes	-1	-3					yes	-4	-3			2394
2395	yes	0	-1	yes	-0.075	yes	-0.74	yes	0	-1	yes	-0.39	2395
2396	yes	-8	-4					yes	-9	-4			2396
2397	yes	-33	-1					yes	-27	0			2397
2398	no							no					2398
2399	yes	-28	-4					yes	-23	-3			2399
2400	yes	-26	-2					yes	-27	-2			2400
2401	yes	-4	-1	yes	3.84	yes	-0.64	yes	-4	-1	yes	1.82	2401
2402	yes	-3	-1	yes	-1.71	yes	-0.95	yes	-2	-2	yes	2.05	2402
2403	no							no					2403
2404	yes	-19	-4					yes	-16	-4			2404
2405	yes	-7	-2					no					2405
2406	yes	-24	-2					yes	-3	-3			2406
2407	yes	-33	-3					yes	-28	-2			2407
2408	yes	-34	-1					yes	-30	-1			2408
2409	yes	-6	-1					yes	-7	-1			2409
2410	yes	0	-1	yes	2.01	yes	-0.12	yes	0	-1	yes	rejected	2410
2411	yes	-15	0					yes	-15	0			2411
2412	yes	-3	-2	yes	-0.3	yes	-0.98	yes	0	-1	yes	-0.014	2412
2413	yes	-3	-2	yes	0.42	yes	rejected	no					2413
2414	yes	-4	-3					yes	-5	-4			2414
2415	yes	-3	0	yes	0.6	yes	2.18	yes	-3	0	yes	rejected	2415
2416	no							no					2416
2417	no							no					2417
2418	yes	0	-2	yes	-0.21	yes	1.95	yes	-1	-1	yes	3	2418
2419	no							yes	0	-3			2419

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2420	no							yes	-7	0			2420
2421	yes	-29	-2					yes	-29	-2			2421
2422	yes	0	0	yes	1.04	yes	0.46	yes	0	0	yes	-0.45	2422
2423	yes	-35	-2					yes	-30	-1			2423
2424	yes	-25	-1					yes	-9	-1			2424
2425	yes	-33	-5					yes	-27	-3			2425
2426	no							no					2426
2427	yes	-12	0					yes	-15	-1			2427
2428	no							no					2428
2429	yes	-4	-1	yes	1.27	yes	0.32	yes	-8	-3			2429
2430	yes	-28	-2					yes	-18	-2			2430
2431	yes	-8	-3					yes	-3	-2	yes	0.38	2431
2432	yes	-4	-1	yes	-0.031	yes	4.39	yes	-6	-1			2432
2433	yes	-4	-1	yes	3.46	no		yes	-19	-2			2433
2434	yes	-2	-3					yes	0	-3			2434
2435	yes	-22	-1					yes	-11	-1			2435
2436	yes	-4	-2	yes	rejected			yes	-4	-2	yes	rejected	2436
2437	no							yes	-1	-3			2437
2438	no							no					2438
2439	yes	-26	-3					yes	-21	-3			2439
2440	no							yes	-3	0	yes	3.69	2440
2441	yes	-34	-2					yes	-20	0			2441
2442	no							no					2442
2443	no							no					2443
2444	yes	-5	-1	yes	3.99	yes	2.34	yes	-20	-2			2444
2445	no							yes	-3	-3			2445
2446	yes	-9	-3					yes	-2	-3			2446
2447	yes	-5	-2	yes	-0.16	yes	0.28	yes	-5	-1	yes	0.75	2447
2448	no							no					2448
2449	no							no					2449
2450	yes	-24	-3					yes	-17	-2			2450
2451	yes	-8	-1					yes	-11	-1			2451
2452	yes	-22	-2					no					2452
2453	yes	-14	-1					yes	-16	-1			2453
2454	yes	-2	-2	yes	4.39	yes	3.08	yes	-4	-2	yes	1.44	2454
2455	no							no					2455
2456	no							no					2456
2457	no							no					2457
2458	yes	-3	-1	yes	2.74	yes	2.18	yes	-3	-1	yes	rejected	2458
2459	yes	-12	-1					yes	-8	-1			2459
2460	yes	-8	-2					yes	-18	-2			2460

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2461	yes	-3	-1	yes	0.0411	yes	0.98	yes	-4	-1	yes	0.0353	2461
2462	yes	-12	0					no					2462
2463	no							no					2463
2464	yes	-21	-3					yes	-10	-3			2464
2465	yes	-9	0					yes	-10	0			2465
2466	yes	-5	-1	yes	-0.3	no		yes	-2	-1	yes	rejected	2466
2467	yes	0	-1	yes	1.71	yes	2.21	yes	0	-1	yes	1.47	2467
2468	no							no					2468
2469	yes	-19	-1					yes	-8	-1			2469
2470	no							yes	-8	-2			2470
2471	yes	-25	-4					yes	-17	-4			2471
2472	no							yes	-28	-4			2472
2473	yes	-4	-1	yes	-0.35	no		yes	-4	-1	yes	3.79	2473
2474	yes	-10	-1					yes	-3	-2	yes	1.52	2474
2475	yes	-24	-1					yes	-14	-1			2475
2476	no							no					2476
2477	yes	-10	-3					yes	-8	-3			2477
2478	yes	-5	-1	yes	3.48	yes	3.54	yes	-5	-1	yes	rejected	2478
2479	no							no					2479
2480	no							yes	-4	-1	yes	4.03	2480
2481	no							no					2481
2482	yes	-3	-1	yes	2.6	yes	2.24	yes	-3	0	yes	-0.1	2482
2483	yes	-31	-2					yes	-31	-3			2483
2484	yes	0	-3					yes	-2	-3			2484
2485	no							no					2485
2486	no							no					2486
2487	yes	-4	-1	yes	-0.0417	yes	1.79	yes	-3	-1	yes	1.54	2487
2488	yes	-29	-5					yes	-4	-3			2488
2489	yes	-27	-2					yes	-23	-3			2489
2490	yes	-5	-2	yes	-0.00201	yes	3.19	yes	-5	-2	yes	0.0425	2490
2491	yes	-22	-2					yes	-18	-2			2491
2492	yes	-33	-2					yes	-33	-2			2492
2493	yes	-10	-2					yes	-10	-2			2493
2494	yes	0	-2	yes	-0.12	yes	0.18	yes	-1	-1	yes	-0.000288	2494
2495	yes	-14	-1					yes	0	-1	yes	4.99	2495
2496	no							no					2496
2497	yes	-8	-3					yes	-13	-3			2497
2498	yes	0	-1	yes	-0.0683	yes	2.49	yes	-3	-2	yes	1.76	2498
2499	no							no					2499
2500	yes	-31	-3					yes	-31	-2			2500
2501	yes	-31	-4					yes	-29	-4			2501

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2502	yes	0	-1	yes	1.59	no		yes	0	-1	yes	2.16	2502
2503	yes	-12	-1					yes	-8	-1			2503
2504	yes	-32	-2					yes	-14	-1			2504
2505	yes	-1	-1	yes	0.25	yes	0.0919	yes	0	-1	yes	-0.6	2505
2506	no							no					2506
2507	yes	-28	-2					yes	-28	-2			2507
2508	yes	-13	-3					yes	-11	-4			2508
2509	yes	-36	-1					yes	-33	-1			2509
2510	yes	-26	-2					yes	-24	-2			2510
2511	yes	-1	-3					yes	-3	-3			2511
2512	no							no					2512
2513	yes	-10	-1					yes	-11	-1			2513
2514	no							no					2514
2515	yes	-19	-2					yes	-21	-2			2515
2516	yes	-4	-1	yes	-0.12	no		yes	-5	0	yes	0.044	2516
2517	no							yes	-16	-2			2517
2518	yes	-28	-4					yes	-11	-5			2518
2519	yes	-17	-1					yes	-4	-2	yes	-0.000842	2519
2520	yes	-4	-1	yes	2.58	yes	-1	yes	-7	-1			2520
2521	no							no					2521
2522	no							yes	-7	-1			2522
2523	yes	-27	-1					yes	-27	-1			2523
2524	yes	-2	-1	yes	1.97	yes	2.32	yes	0	-1	yes	-0.58	2524
2525	no							no					2525
2526	yes	-4	-3					yes	-2	-3			2526
2527	no							no					2527
2528	yes	-2	-3					yes	-3	-2	yes	3.51	2528
2529	no							no					2529
2530	yes	-28	-2					yes	-28	-2			2530
2531	yes	-1	-1	yes	0.0367	yes	2.38	yes	-2	0	yes	-0.0297	2531
2532	yes	-12	-3					yes	-8	-3			2532
2533	yes	-3	-2	yes	0.41	yes	0.18	yes	-3	-1	yes	1.55	2533
2534	yes	-8	-2					yes	-9	-2			2534
2535	no							no					2535
2536	no							no					2536
2537	yes	-33	-1					yes	-30	0			2537
2538	yes	-4	-2	yes	0.83	yes	0.93	yes	-4	-2	yes	1.61	2538
2539	yes	-4	-1	yes	1.83	yes	0.55	no					2539
2540	yes	-20	-1					no					2540
2541	yes	0	-1	yes	2.08	yes	1.68	yes	0	-1	yes	-0.1	2541
2542	yes	-32	-4					no					2542

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2543	yes	-24	-2					yes	-24	-2			2543
2544	yes	-26	-2					yes	-25	-2			2544
2545	yes	-20	0					yes	-17	0			2545
2546	yes	-3	-1	yes	rejected			yes	-3	-1	yes	0.44	2546
2547	no							no					2547
2548	yes	-26	-2					yes	-7	-2			2548
2549	yes	-14	-3					yes	-14	-3			2549
2550	yes	-2	-1	yes	0.93	yes	rejected	yes	-3	-1	yes	0.87	2550
2551	yes	-7	-1					yes	-6	-1			2551
2552	yes	-5	-1	yes	-0.38	yes	-0.76	yes	-3	-2	yes	2.17	2552
2553	yes	-7	-1					yes	-1	0	yes	3.41	2553
2554	no							yes	-4	-1	yes	4.04	2554
2555	yes	-30	-2					yes	-28	-2			2555
2556	no							no					2556
2557	yes	-4	-1	yes	0.099	yes	1.98	yes	-4	-1	yes	-0.45	2557
2558	yes	-26	-1					yes	-12	0			2558
2559	no							yes	-3	-1	yes	-0.34	2559
2560	no							yes	-4	-1	yes	0.53	2560
2561	yes	-17	-3					yes	-17	-3			2561
2562	yes	-16	-3					yes	-14	-3			2562
2563	yes	-4	-3					yes	-4	-3			2563
2564	yes	-5	-3					yes	-2	-3			2564
2565	yes	-5	-2	yes	1.8	yes	3.95	yes	-6	-2			2565
2566	yes	-12	0					yes	-13	-1			2566
2567	no							yes	-26	-3			2567
2568	yes	-8	-3					yes	-4	-2	yes	0.29	2568
2569	yes	-2	-1	yes	-0.54	yes	-0.047	yes	0	-3			2569
2570	yes	-31	-1					yes	-26	-1			2570
2571	no							no					2571
2572	yes	-13	-1					yes	-4	-1	yes	2.39	2572
2573	no							no					2573
2574	yes	-4	-1	yes	0.0429	yes	1.74	yes	-7	-2			2574
2575	yes	-18	0					yes	-11	0			2575
2576	yes	-34	-3					yes	-26	-3			2576
2577	no							no					2577
2578	yes	-4	-1	yes	2.23	yes	1.96	yes	-3	-1	yes	1.63	2578
2579	yes	-35	-3					no					2579
2580	yes	-29	-4					yes	-28	-2			2580
2581	yes	-14	-3					yes	-18	-3			2581
2582	yes	-32	-2					yes	-32	-2			2582
2583	yes	-25	-2					yes	-27	-1			2583

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2584	yes	-25	-3					no					2584
2585	no							no					2585
2586	yes	-8	-1					yes	-8	-1			2586
2587	yes	-6	-1					yes	-10	-1			2587
2588	yes	-2	0	yes	1.79	no		yes	-2	0	yes	2.23	2588
2589	yes	-1	0	yes	0.0697	yes	-0.32	yes	-2	0	yes	2.62	2589
2590	no							no					2590
2591	no							yes	-7	-2			2591
2592	yes	-3	-1	yes	-0.12	yes	2.59	yes	-4	0	yes	4.64	2592
2593	yes	-10	-1					yes	-10	-1			2593
2594	yes	-29	-2					yes	-29	-2			2594
2595	no							no					2595
2596	yes	-4	-2	yes	-0.16	no		yes	-3	-2	yes	2.34	2596
2597	yes	-24	-3					yes	-10	-3			2597
2598	yes	-26	-1					yes	-26	-1			2598
2599	yes	-4	-3					yes	-4	-3			2599
2600	yes	-4	-2	yes	3.5	yes	2.22	yes	-4	-2	yes	0.72	2600
2601	yes	-32	-2					yes	-28	0			2601
2602	yes	-4	-1	yes	rejected			yes	-3	-1	yes	0.11	2602
2603	yes	0	-1	yes	-0.0515	yes	-0.42	yes	-3	-1	yes	-0.0364	2603
2604	yes	-29	-1					yes	-25	-1			2604
2605	yes	-30	-2					yes	-33	-2			2605
2606	yes	-26	-2					yes	-25	-1			2606
2607	no							no					2607
2608	yes	-16	-2					yes	0	-1	yes	-0.78	2608
2609	yes	-3	0	yes	-0.35	yes	0.29	yes	-3	-1	yes	-0.58	2609
2610	yes	-11	-2					yes	0	-1	yes	1.23	2610
2611	no							no					2611
2612	yes	-4	-2	yes	4.55	yes	-0.23	yes	-4	-2	yes	2.83	2612
2613	yes	-34	-3					yes	-30	-2			2613
2614	yes	-6	-3					yes	-4	-2	yes	0.35	2614
2615	no							no					2615
2616	yes	-18	-1					yes	-3	-1	yes	-0.39	2616
2617	yes	-16	0					yes	-22	-1			2617
2618	yes	-15	-3					yes	0	-3			2618
2619	no							no					2619
2620	yes	-6	-6					yes	-2	-5			2620
2621	yes	-14	-1					yes	-3	0	yes	2.23	2621
2622	yes	-34	-2					yes	-34	-2			2622
2623	yes	-1	-5					yes	-1	-5			2623
2624	no							no					2624

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2625	yes	-5	-1	yes	0.75	yes	1.26	yes	-3	0	yes	-0.35	2625
2626	yes	0	-2	yes	3.26	yes	-0.16	yes	-26	-4			2626
2627	yes	-9	-1					yes	-3	-2	yes	1.24	2627
2628	yes	-5	-3					no					2628
2629	yes	0	-3					yes	0	-2	yes	1.06	2629
2630	yes	-3	-1	yes	4.55	yes	4.52	yes	0	-1	yes	3.35	2630
2631	no							no					2631
2632	yes	-29	0					yes	-28	0			2632
2633	yes	-6	-1					yes	-6	-1			2633
2634	yes	-3	0	yes	0.78	yes	-0.11	yes	-3	0	yes	0.0699	2634
2635	yes	-31	-2					yes	-32	-2			2635
2636	no							no					2636
2637	yes	-1	-1	yes	-0.49	yes	0.74	yes	-1	-1	yes	rejected	2637
2638	yes	-3	-1	yes	3.16	yes	2.66	yes	-18	-2			2638
2639	yes	-4	-1	yes	1.29	no		yes	0	-1	yes	-0.41	2639
2640	no							yes	-1	-3			2640
2641	yes	-26	-1					yes	-11	-1			2641
2642	yes	-5	-3					yes	0	-3			2642
2643	yes	-29	-1					yes	-11	-1			2643
2644	yes	-9	-4					yes	-7	-3			2644
2645	yes	-36	-2					yes	-34	-2			2645
2646	yes	-5	-3					yes	-3	-2	yes	-0.0404	2646
2647	yes	-5	-3					yes	-5	-3			2647
2648	yes	-26	-1					yes	-27	-1			2648
2649	yes	-8	-2					yes	-8	-2			2649
2650	yes	-26	-1					yes	-8	0			2650
2651	no							no					2651
2652	yes	-17	-3					yes	-10	-3			2652
2653	yes	-3	-1	yes	2.38	yes	1.35	yes	-4	-1	yes	1.03	2653
2654	yes	-4	-1	yes	2.23	yes	-0.58	no					2654
2655	yes	-13	-2					yes	-5	-3			2655
2656	no							no					2656
2657	no							no					2657
2658	yes	-5	-1	yes	-0.23	yes	-0.0845	yes	-7	-1			2658
2659	yes	-2	-2	yes	1.06	yes	1.62	yes	-4	-2	yes	-0.0815	2659
2660	yes	-9	-1					yes	0	-1	yes	2.17	2660
2661	yes	0	-1	yes	0.89	yes	-0.3	yes	-3	0	yes	-0.46	2661
2662	yes	-6	0					yes	-3	0	yes	-0.0668	2662
2663	yes	-25	-3					yes	-29	-3			2663
2664	yes	-3	-2	yes	1.35	no		yes	-3	-2	yes	2.76	2664
2665	no							no					2665

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2666	yes	-4	-1	yes	3.33	yes	2.59	yes	-4	-1	yes	1.25	2666
2667	yes	-19	-2					yes	-24	-2			2667
2668	yes	-27	-1					yes	-27	-1			2668
2669	yes	-6	-1					yes	0	-2	yes	4.86	2669
2670	yes	-32	-4					yes	-32	-4			2670
2671	yes	-25	-5					yes	-25	-4			2671
2672	yes	-16	-2					yes	-12	-2			2672
2673	no							no					2673
2674	no							no					2674
2675	no							no					2675
2676	yes	-31	-2					yes	-25	-3			2676
2677	yes	-29	-2					yes	-20	-1			2677
2678	yes	-28	-2					yes	-28	-2			2678
2679	no							no					2679
2680	yes	-10	-3					yes	-9	-3			2680
2681	yes	-13	-1					yes	-7	-1			2681
2682	yes	-28	-2					yes	-26	-2			2682
2683	yes	-24	-1					yes	-9	-1			2683
2684	no							no					2684
2685	no							no					2685
2686	no							no					2686
2687	yes	-13	-4					yes	-13	-4			2687
2688	yes	-30	-2					yes	-30	-2			2688
2689	yes	-26	-1					yes	-21	-1			2689
2690	yes	-11	-1					yes	-6	-2			2690
2691	yes	-27	-3					no					2691
2692	no							yes	-14	-4			2692
2693	yes	-7	-1					yes	-8	-1			2693
2694	yes	-3	-1	yes	2.73	yes	0.21	yes	-3	-1	yes	0.96	2694
2695	yes	-36	-4					yes	-23	-1			2695
2696	yes	-18	-4					yes	-10	-3			2696
2697	yes	-7	-2					yes	-3	-1	yes	0.76	2697
2698	yes	-3	0	yes	0.21	yes	-0.21	yes	-3	0	yes	3.27	2698
2699	yes	-10	-1					yes	-4	-2	yes	2.26	2699
2700	yes	0	-1	yes	0.27	yes	0.75	yes	-3	-1	yes	2.07	2700
2701	yes	0	-2	yes	-0.43	yes	-0.99	yes	-1	-1	yes	-0.68	2701
2702	yes	-23	-1					yes	-26	-1			2702
2703	yes	-1	-2	yes	0.19	no		yes	0	-1	yes	-0.34	2703
2704	yes	-33	-3					yes	-28	-2			2704
2705	no							no					2705
2706	yes	-3	-1	yes	3.08	no		yes	-3	-1	yes	1.63	2706

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2707	yes	-25	-2					yes	-20	-2			2707
2708	no							no					2708
2709	no							no					2709
2710	no							yes	-14	-2			2710
2711	yes	-29	-2					yes	-25	-3			2711
2712	yes	-3	-1	yes	0.12	yes	0.8	yes	-6	-1			2712
2713	yes	-28	-2					yes	-26	-1			2713
2714	no							no					2714
2715	yes	-15	-2					yes	-19	-2			2715
2716	yes	-4	-3					yes	-3	-3			2716
2717	yes	-8	-3					yes	-7	-3			2717
2718	no							no					2718
2719	yes	-28	0					yes	-19	0			2719
2720	no							no					2720
2721	yes	-15	-1					yes	-14	-1			2721
2722	no							no					2722
2723	no							no					2723
2724	no							yes	-1	-2	yes	0.4	2724
2725	yes	-25	-2					yes	-18	-3			2725
2726	no							no					2726
2727	yes	-7	-4					yes	-9	-4			2727
2728	no							yes	-3	-1	yes	-0.42	2728
2729	yes	-9	-1					yes	-11	-1			2729
2730	yes	-20	-3					no					2730
2731	yes	0	-2	yes	2.37	no		no					2731
2732	yes	-27	-3					no					2732
2733	yes	-7	-1					yes	-5	-1	yes	-0.41	2733
2734	no							no					2734
2735	no							no					2735
2736	no							no					2736
2737	yes	-9	-2					yes	0	-1	yes	1.16	2737
2738	yes	-33	-1					yes	-32	-1			2738
2739	yes	0	-3					yes	-11	-4			2739
2740	yes	-7	-1					yes	-3	-1	yes	3.58	2740
2741	yes	-7	-4					yes	-7	-4			2741
2742	yes	-12	-1					yes	-3	-1	yes	4.61	2742
2743	yes	0	-1	yes	-0.69	yes	-0.2	yes	0	-1	yes	1.18	2743
2744	yes	-27	-2					yes	-27	-2			2744
2745	no							no					2745
2746	no							no					2746
2747	yes	-19	-1					yes	-3	-2	yes	2.03	2747

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2748	yes	-28	-2					yes	-27	-2			2748
2749	yes	0	-3					yes	0	-4			2749
2750	yes	-15	-4					yes	-15	-5			2750
2751	no							no					2751
2752	no							no					2752
2753	no							no					2753
2754	yes	-9	-5					yes	-9	-5			2754
2755	yes	-4	-1	yes	1.07	yes	1.2	no					2755
2756	yes	-4	-1	yes	-0.22	yes	1.79	yes	-3	-2	yes	2.03	2756
2757	yes	-8	-2					yes	-4	-2	yes	1.13	2757
2758	yes	-8	-3					yes	-5	-2	yes	-0.65	2758
2759	yes	-31	-2					yes	-17	-3			2759
2760	yes	-12	-2					yes	-7	0			2760
2761	yes	-4	-1	yes	1.79	yes	1.03	yes	-3	-1	yes	0.86	2761
2762	yes	-3	-2	yes	1.07	yes	1.31	yes	-7	-2			2762
2763	no							no					2763
2764	no							no					2764
2765	no							yes	-15	-2			2765
2766	no							yes	-27	-2			2766
2767	yes	-3	-2	yes	-0.42	no		yes	-4	-2	yes	1.54	2767
2768	yes	-3	-3					yes	-4	-3			2768
2769	yes	-3	0	yes	4.68	yes	-0.95	yes	-3	0	yes	-0.61	2769
2770	yes	-31	-4					yes	-28	-4			2770
2771	yes	-6	-1					yes	-8	-1			2771
2772	yes	-3	-1	yes	0.77	no		yes	-3	-2	yes	0.86	2772
2773	yes	-12	-1					yes	-12	-1			2773
2774	yes	-4	-1	yes	4.43	yes	2.93	yes	-4	-1	yes	-0.31	2774
2775	yes	-12	-1					yes	-12	-1			2775
2776	yes	-30	0					yes	-32	0			2776
2777	yes	-4	-2	yes	0.68	yes	0.61	yes	-5	-1	yes	-0.14	2777
2778	no							no					2778
2779	yes	0	-3					no					2779
2780	yes	-5	-5					yes	-5	-5			2780
2781	yes	-5	0	yes	2.56	no		yes	-6	0			2781
2782	yes	-12	-1					yes	-12	-1			2782
2783	yes	0	-1	yes	3.67	yes	1.17	yes	0	-1	yes	-0.21	2783
2784	no							no					2784
2785	no							no					2785
2786	yes	-23	-2					yes	-3	-1	yes	0.86	2786
2787	yes	-29	-2					no					2787
2788	no							no					2788

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2789	yes	-18	-2					yes	-3	-3			2789
2790	yes	-28	-3					yes	-29	-3			2790
2791	yes	-34	-3					no					2791
2792	yes	-28	-3					yes	-22	-1			2792
2793	yes	-30	-2					yes	-8	-1			2793
2794	yes	-5	0	yes	0.0751	yes	-0.5	yes	-5	0	yes	3.11	2794
2795	no							no					2795
2796	no							no					2796
2797	yes	-3	-2	yes	1	yes	-0.73	yes	-2	-3			2797
2798	yes	-2	-1	yes	1.08	yes	0.34	yes	-3	-1	yes	1.27	2798
2799	yes	-3	-2	yes	0.18	yes	0.14	yes	-2	-2	yes	0.25	2799
2800	no							no					2800
2801	yes	-10	-1					yes	-3	-1			2801
2802	no							yes	-5	-3			2802
2803	yes	-12	-1					yes	-13	-1			2803
2804	yes	-7	0					yes	-2	0	yes	-0.52	2804
2805	no							no					2805
2806	yes	-7	-2					yes	-7	-2			2806
2807	yes	-8	-1					yes	-4	-1	yes	-0.13	2807
2808	yes	-1	-1	yes	0.0161	yes	1.72	yes	0	-1	yes	0.16	2808
2809	yes	-4	-1	yes	2.8	yes	-0.94	yes	-4	-1	yes	2.55	2809
2810	no							no					2810
2811	yes	-14	-2					yes	-11	-1			2811
2812	yes	-26	-2					yes	-25	-2			2812
2813	yes	-3	-3					yes	-3	-3			2813
2814	yes	-7	-1					yes	-4	-1	yes	3.68	2814
2815	yes	-7	-1					yes	-9	0			2815
2816	no							no					2816
2817	yes	-3	-1	yes	0.2	yes	1.65	yes	-3	-3			2817
2818	yes	-4	0	yes	-0.52	yes	1.76	yes	-4	-1	yes	-0.47	2818
2819	no							no					2819
2820	yes	-4	-1	yes	-0.14	yes	3.73	yes	-4	-1	yes	1.61	2820
2821	yes	-32	-2					yes	-32	-2			2821
2822	yes	-14	-4					yes	-12	-4			2822
2823	yes	0	-1	yes	-0.66	yes	0.0242	yes	-4	-1	yes	0.85	2823
2824	yes	-9	-3					yes	-4	-1	yes	-0.5	2824
2825	yes	-4	-2	yes	-0.0129	yes	2.91	yes	-4	-2	yes	0.0763	2825
2826	yes	-23	-1					yes	-3	-1	yes	3.52	2826
2827	yes	-3	0	yes	1.51	yes	1.12	no					2827
2828	yes	-4	-1	yes	0.25	yes	0.58	yes	-5	0	yes	0.41	2828
2829	yes	0	-1	yes	-0.66	yes	-0.011	yes	0	-1	yes	-0.75	2829

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2830	yes	-13	-3					yes	-17	-3			2830
2831	yes	0	-2	yes	-0.44	yes	-0.15	yes	-1	-1	yes	-0.61	2831
2832	no							no					2832
2833	yes	-6	-1					no					2833
2834	yes	-25	-2					yes	-28	-2			2834
2835	yes	0	-2	yes	-0.11	yes	1.76	yes	0	-1	yes	1.34	2835
2836	yes	-1	-2	yes	3.01	yes	1.95	yes	-2	0	yes	2.07	2836
2837	yes	-35	-2					yes	-28	-1			2837
2838	no							no					2838
2839	yes	-29	0					yes	-27	-1			2839
2840	no							no					2840
2841	no							no					2841
2842	yes	0	-2	yes	0.42	yes	-1.14	yes	0	-2	yes	3.21	2842
2843	yes	-34	-4					no					2843
2844	no							no					2844
2845	no							no					2845
2846	yes	0	-4					yes	-7	-4			2846
2847	no							no					2847
2848	no							no					2848
2849	yes	-28	-1					yes	-28	-1			2849
2850	yes	-28	-2					yes	-8	0			2850
2851	yes	-6	-2					yes	-3	-1	yes	0.0881	2851
2852	yes	-4	-2	yes	-0.0673	yes	2.39	yes	-4	-2	yes	0.0198	2852
2853	yes	-9	-2					yes	-7	-1			2853
2854	yes	-24	-2					yes	-24	-2			2854
2855	yes	-16	-3					yes	-7	-2			2855
2856	yes	-28	0					yes	-19	0			2856
2857	no							no					2857
2858	yes	-7	-1					yes	-6	-1			2858
2859	yes	-28	-2					yes	-28	-2			2859
2860	yes	-4	-2	yes	2.21	no		yes	-4	-2	yes	2.59	2860
2861	yes	-4	-1	yes	-0.13	yes	-0.24	yes	-2	0	yes	-0.13	2861
2862	yes	-2	-3					yes	-4	-1	yes	2.13	2862
2863	yes	-29	-3					yes	-27	-2			2863
2864	yes	-12	-1					yes	-12	-1			2864
2865	yes	-27	-2					yes	-24	-2			2865
2866	no							no					2866
2867	yes	-8	-1					yes	-5	-1	yes	4.71	2867
2868	yes	-36	-2					yes	-31	0			2868
2869	no							no					2869
2870	no							no					2870

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2871	yes	-3	0	yes	rejected			yes	-3	0	yes	1.09	2871
2872	yes	0	-2	yes	1.59	yes	1.46	no					2872
2873	yes	-2	-1	yes	0.0582	yes	0.28	yes	-6	-1			2873
2874	no							no					2874
2875	yes	-3	0	yes	2.26	no		no	0	-1	yes	0.0605	2875
2876	yes	-7	-1					yes	-15	-1			2876
2877	yes	-23	-1					yes	-24	-1			2877
2878	yes	-25	-1					yes					2878
2879	no							no	-23	-2			2879
2880	yes	-23	-3					yes	-10	-2			2880
2881	yes	-26	-2					yes	-28	-3			2881
2882	yes	-28	-4					yes	-4	0	yes	-0.14	2882
2883	no							no					2883
2884	yes	0	-3					yes	-2	-3			2884
2885	yes	-4	-2	yes	0.49	yes	0.24	no					2885
2886	no							yes	-18	-1			2886
2887	yes	-21	-1					yes	-26	-2			2887
2888	yes	-25	-2					yes	-5	-1	yes	2.63	2888
2889	yes	-24	-2					yes	0	-1	yes	2.77	2889
2890	yes	0	-1	yes	-0.31	yes	1.68	yes	-14	-2			2890
2891	yes	-14	-2					yes					2891
2892	no							no	-6	-1			2892
2893	yes	-3	-1	yes	-0.0712	yes	-0.1	yes					2893
2894	no							no	-8	-4			2894
2895	no							yes					2895
2896	no							no	-29	-2			2896
2897	yes	-29	-2					yes	0	-1	yes	3.31	2897
2898	yes	-1	-1	yes	1.14	yes	-0.24	yes	-28	-2			2898
2899	yes	-28	-3					yes	-33	-2			2899
2900	yes	-30	-2					yes					2900
2901	no							no					2901
2902	yes	-33	-3					no					2902
2903	yes	-1	-3					no	-9	-2			2903
2904	yes	0	-1	yes	0.3	yes	0.11	yes	-15	-1			2904
2905	yes	-11	-1					yes	-3	-2	yes	0.0817	2905
2906	yes	-3	-2	yes	0.89	yes	0.44	yes	-7	-2			2906
2907	no							yes					2907
2908	no							no	-28	-3			2908
2909	yes	-29	-4					yes					2909
2910	no							no	-7	-4			2910
2911	yes	-12	-4					yes					2911

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2912	no							yes	-33	-4			2912
2913	yes	-8	-1					yes	0	-1	yes	0.87	2913
2914	yes	-12	-2					yes	-7	-2			2914
2915	yes	-27	-2					yes	-28	-2			2915
2916	yes	-19	-1					yes	-10	-1			2916
2917	yes	-4	-1	yes	3.18	yes	3.65	yes	-4	-1	yes	0.93	2917
2918	no							no					2918
2919	no							yes	-1	-4			2919
2920	yes	-21	-5					yes	-18	-5			2920
2921	yes	-20	-3					yes	-23	-3			2921
2922	yes	-27	-1					yes	-25	-1			2922
2923	yes	-6	-1					yes	-7	-1			2923
2924	no							yes	-17	-1			2924
2925	no							no					2925
2926	yes	-30	-1					yes	-22	-1			2926
2927	yes	-27	-2					yes	-28	-2			2927
2928	yes	-32	-2					yes	-10	-1			2928
2929	yes	-3	-2	yes	0.13	yes	-0.27	yes	0	-3			2929
2930	no							no					2930
2931	no							no					2931
2932	yes	-11	-1					yes	-5	-1	yes	1.88	2932
2933	yes	-5	-1	yes	0.76	yes	-0.0917	yes	-3	0	yes	0.0857	2933
2934	no							no					2934
2935	no							yes	-2	0	yes	1.24	2935
2936	yes	-8	-2					yes	-11	-2			2936
2937	yes	0	-1	yes	0.065	yes	0.94	yes	0	-1	yes	3.18	2937
2938	yes	-4	-1	yes	2.73	yes	1.51	yes	-6	-1			2938
2939	yes	-3	-3					yes	-3	-3			2939
2940	yes	-15	0					yes	-13	0			2940
2941	yes	-9	-2					yes	-5	-2	yes	0.0306	2941
2942	yes	-3	-2	yes	0.59	yes	-0.59	yes	-4	-2	yes	-0.63	2942
2943	yes	-7	-1					yes	-20	-2			2943
2944	yes	-3	-2	yes	2.06	yes	-0.75	yes	-3	-2	yes	-0.12	2944
2945	yes	-28	-1					yes	-18	-1			2945
2946	yes	-18	-3					yes	-14	-2			2946
2947	yes	-9	-2					no					2947
2948	yes	-27	-1					yes	-25	0			2948
2949	yes	-24	-2					yes	-8	0			2949
2950	no							yes	-27	-3			2950
2951	yes	-34	-4					yes	-28	-3			2951
2952	yes	-8	-2					yes	-5	-3			2952

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2953	no							no					2953
2954	yes	0	-1	yes	0.18	yes	0.68	yes	-2	0	yes	-0.27	2954
2955	yes	-15	-1					yes	-20	-2			2955
2956	no							yes	-3	-2	yes	3.32	2956
2957	yes	-12	-1					yes	-3	0	yes	3.17	2957
2958	yes	-8	-1					yes	-11	-1			2958
2959	yes	-3	-1	yes	1.4	no		yes	-3	-1	yes	3.13	2959
2960	yes	0	-1	yes	0.68	yes	1.99	yes	-3	-1	yes	-0.64	2960
2961	yes	-18	-2					yes	-4	-1	yes	2.23	2961
2962	yes	-27	-2					yes	-4	-1	yes	-0.47	2962
2963	no							no					2963
2964	yes	0	-3					yes	0	-3			2964
2965	no							yes	-12	-3			2965
2966	yes	-13	-2					yes	-4	-2	yes	1.44	2966
2967	yes	-21	-5					yes	-15	-3			2967
2968	yes	0	-1	yes	1.66	no		yes	0	-1	yes	2.83	2968
2969	yes	-4	-3					yes	-4	-3			2969
2970	yes	-21	-1					yes	-13	-2			2970
2971	yes	-32	-4					no					2971
2972	yes	-7	-4					yes	-4	-4			2972
2973	yes	0	-2	yes	-0.27	yes	-0.0517	yes	-3	-2	yes	-0.15	2973
2974	no							yes	-23	0			2974
2975	no							no					2975
2976	yes	-30	-4					yes	-25	-4			2976
2977	yes	-6	0					yes	-3	-1	yes	2.48	2977
2978	no							no					2978
2979	yes	0	-1	yes	-0.1	yes	2.87	yes	-2	-2	yes	rejected	2979
2980	yes	-7	-1					yes	-3	-1	yes	1.99	2980
2981	yes	-20	0					yes	-24	-1			2981
2982	no							no					2982
2983	yes	-9	-2					yes	-11	-2			2983
2984	yes	-9	-2					yes	-10	-2			2984
2985	yes	-11	-2					yes	-14	-2			2985
2986	yes	-8	0					yes	-4	0	yes	2.4	2986
2987	yes	-3	0	yes	0.0714	yes	-0.24	yes	-3	0	yes	3.03	2987
2988	no							no					2988
2989	no							no					2989
2990	yes	-22	-5					yes	-5	-2	yes	1.03	2990
2991	no							no					2991
2992	yes	-2	0	yes	2.45	yes	1.87	yes	-2	-1	yes	1.56	2992
2993	yes	-3	-1	yes	2.35	yes	4.71	yes	-3	-1	yes	1.44	2993

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
2994	yes	-6	-1					yes	0	-2	yes	0.6	2994
2995	no							no					2995
2996	yes	-29	-2					yes	-7	-1			2996
2997	yes	-3	-2	yes	-0.28	yes	rejected	yes	-3	-2	yes	1.63	2997
2998	yes	-8	-2					yes	-5	-3			2998
2999	no							no					2999
3000	yes	-8	-2					yes	-5	-1	yes	2.28	3000
3001	no							no					3001
3002	yes	-21	-3					yes	-22	-3			3002
3003	yes	-14	-3					yes	-18	-3			3003
3004	yes	-8	-3					yes	-4	-3			3004
3005	no							no					3005
3006	yes	-27	-1					yes	-16	0			3006
3007	yes	-7	-2					yes	-3	-1	yes	3.2	3007
3008	yes	-21	-1					yes	-21	-1			3008
3009	no							no					3009
3010	yes	-8	-2					yes	-3	-2	yes	0.95	3010
3011	yes	-3	-1	yes	0.13	yes	-0.51	yes	-2	-1	yes	-0.17	3011
3012	yes	-28	-1					yes	-25	0			3012
3013	no							no					3013
3014	yes	-26	-3					yes	-23	-3			3014
3015	yes	-27	-1					yes	-3	-1	yes	3.21	3015
3016	yes	-11	-1					yes	-9	-1			3016
3017	yes	-32	-2					yes	-30	-2			3017
3018	yes	-22	-3					yes	-15	-3			3018
3019	no							yes	-4	-1	yes	-0.42	3019
3020	yes	-1	-3					yes	0	-3			3020
3021	yes	-3	-2	yes	1.92	yes	0.25	yes	-3	-2	yes	2.61	3021
3022	yes	-5	-4					yes	-3	-4			3022
3023	yes	-14	-3					yes	-11	-3			3023
3024	yes	0	-1	yes	2.39	yes	2.62	yes	-3	0	yes	-0.18	3024
3025	yes	-13	-3					yes	-4	-3			3025
3026	no							no					3026
3027	yes	-13	-1					yes	-14	-1			3027
3028	yes	-26	-3					yes	-27	-3			3028
3029	yes	-24	-3					yes	-22	-3			3029
3030	no							no					3030
3031	yes	-2	-1	yes	0.28	yes	2.76	yes	0	-1	yes	0.56	3031
3032	yes	-2	-2	yes	0.8	yes	0.96	yes	-4	-2	yes	0.74	3032
3033	no							yes	-29	-2			3033
3034	yes	-29	-2					yes	-15	-2			3034

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3035	yes	-2	-2	yes	-0.5	yes	-0.3	yes	-15	-4			3035
3036	yes	-1	-1	yes	0.46	yes	-0.19	yes	-7	-1			3036
3037	yes	-1	-3					no					3037
3038	no							no					3038
3039	yes	-16	-1					yes	-3	0	yes	2.08	3039
3040	yes	-29	-1					yes	-10	0			3040
3041	yes	-3	-2	yes	1.68	yes	rejected	yes	-4	-2	yes	3.37	3041
3042	yes	-25	-2					yes	-19	-2			3042
3043	no							no					3043
3044	no							no					3044
3045	yes	-6	-3					yes	-9	-3			3045
3046	yes	-3	-3					yes	-3	-3			3046
3047	yes	-11	-3					yes	-12	-3			3047
3048	yes	-5	-1	yes	-0.25	yes	3.5	yes	-3	-1	yes	0.59	3048
3049	no							no					3049
3050	yes	-5	-2	yes	2.28	yes	0.56	yes	-5	-2	yes	0.79	3050
3051	yes	-31	-4					yes	-30	-4			3051
3052	yes	-21	-3					yes	-4	-3			3052
3053	no							no					3053
3054	yes	-3	0	yes	1.86	yes	3.05	yes	-3	-1	yes	1.86	3054
3055	yes	-14	-1					yes	-14	-1			3055
3056	no							no					3056
3057	yes	-6	-2					no					3057
3058	no							no					3058
3059	yes	-1	-1	yes	0.15	yes	0.0338	no					3059
3060	yes	-3	-2	yes	1.39	yes	1.95	no					3060
3061	no							no					3061
3062	yes	-20	-4					yes	-18	-4			3062
3063	no							no					3063
3064	no							no					3064
3065	no							no					3065
3066	no							no					3066
3067	no							no					3067
3068	yes	-22	-3					yes	-18	-3			3068
3069	yes	-29	0					yes	-31	0			3069
3070	yes	-6	-1					yes	-3	0	yes	4.07	3070
3071	yes	-10	-1					yes	-4	-1	yes	3.14	3071
3072	no							no					3072
3073	no							no					3073
3074	yes	-3	-2	yes	-0.47	yes	0.35	yes	-3	-2	yes	1.71	3074
3075	yes	-4	-2	yes	1.78	yes	rejected	yes	-4	-2	yes	3.11	3075

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3076	no							no					3076
3077	yes	-8	0					yes	-9	0			3077
3078	yes	-6	-3					yes	-4	-3			3078
3079	yes	0	-1	yes	3.44	yes	1.88	yes	0	-1	yes	0.16	3079
3080	no							no					3080
3081	no							no					3081
3082	yes	-25	-2					no					3082
3083	yes	-3	-2	yes	-0.7	yes	-1.16	yes	-3	-2	yes	2.87	3083
3084	no							no					3084
3085	yes	-8	0					yes	-8	-1			3085
3086	yes	-3	-2	yes	1.46	yes	0.97	yes	-11	-2			3086
3087	no							no					3087
3088	yes	-34	-3					yes	-31	-3			3088
3089	no							yes	-10	0			3089
3090	yes	-6	-2					yes	-7	-2			3090
3091	yes	-9	-1					yes	-3	-1	yes	-0.17	3091
3092	yes	-13	-1					yes	-13	-1			3092
3093	yes	-31	-4					yes	-31	-4			3093
3094	no							no					3094
3095	yes	-24	-3					yes	-18	-3			3095
3096	yes	-6	-3					yes	-4	-2	yes	4.15	3096
3097	yes	-27	-3					yes	-24	-3			3097
3098	yes	-3	0	yes	2.58	yes	0.24	yes	-3	0	yes	2.95	3098
3099	no							no					3099
3100	yes	-8	-1					yes	-10	-1			3100
3101	yes	-11	-1					yes	-8	-2			3101
3102	yes	-34	-3					yes	-10	-1			3102
3103	yes	-2	-1	yes	-0.18	yes	-0.37	yes	0	-1	yes	3.94	3103
3104	no							no					3104
3105	yes	-33	-1					yes	-33	-1			3105
3106	yes	-18	-2					no					3106
3107	yes	-7	-4					yes	-12	-4			3107
3108	no							no					3108
3109	yes	0	-2	yes	2.71	no		yes	-10	-4			3109
3110	no							no					3110
3111	no							no					3111
3112	yes	0	-1	yes	-0.52	yes	0.2	yes	0	-2	yes	-0.27	3112
3113	yes	-29	-3					no					3113
3114	yes	-3	-1	yes	3.78	yes	2.97	yes	-4	-2	yes	0.98	3114
3115	no							no					3115
3116	no							no					3116

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3117	no							yes	-3	-3			3117
3118	yes	-4	-2	yes	-0.0505	yes	0.59	no					3118
3119	no							no					3119
3120	yes	-7	-1					yes	-1	-1	yes	-0.63	3120
3121	yes	-3	-1	yes	0.0393	yes	0.48	yes	0	-1	yes	4.89	3121
3122	no							no					3122
3123	yes	-3	-3					yes	0	-3			3123
3124	no							no					3124
3125	yes	-4	-1	yes	0.82	yes	0.14	yes	-4	-1	yes	2.28	3125
3126	yes	-13	-1					yes	-18	-1			3126
3127	no							no					3127
3128	yes	-3	-4					yes	0	-2	yes	1.39	3128
3129	yes	-30	-3					yes	-30	-3			3129
3130	yes	-27	-3					yes	-27	-3			3130
3131	yes	-12	-1					yes	-11	-1			3131
3132	yes	-4	-1	yes	3.33	yes	3.21	yes	-5	-1	yes	rejected	3132
3133	yes	-8	-3					yes	-11	-3			3133
3134	yes	-28	-2					yes	-24	-2			3134
3135	yes	-26	-2					yes	-13	0			3135
3136	yes	-29	-2					yes	-28	-2			3136
3137	yes	-1	-4					yes	-5	-4			3137
3138	yes	-11	-1					yes	-15	-1			3138
3139	no							no					3139
3140	yes	0	-1	yes	0.56	yes	0.15	yes	-2	-1	yes	1.34	3140
3141	yes	-27	-3					no					3141
3142	yes	-27	-2					yes	-27	-2			3142
3143	yes	-10	0					yes	-10	0			3143
3144	no							no					3144
3145	yes	-11	-2					yes	-14	-2			3145
3146	yes	-13	-2					yes	-11	-2			3146
3147	yes	-25	-2					yes	-22	0			3147
3148	yes	-3	-2	yes	1.59	yes	1.58	yes	-4	-4			3148
3149	yes	-5	-2	yes	-0.48	yes	3.5	yes	-3	-1	yes	-0.21	3149
3150	no							yes	-4	-3			3150
3151	no							no					3151
3152	yes	-30	-4					yes	-6	-3			3152
3153	no							no					3153
3154	no							no					3154
3155	yes	-9	-1					yes	-6	-1			3155
3156	no							no					3156
3157	yes	-6	-1					yes	-3	0	yes	0.97	3157

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3158	yes	-7	0					yes	-7	0			3158
3159	no							yes	-27	-2			3159
3160	yes	-4	-3					no					3160
3161	yes	-10	-5					yes	-9	-3			3161
3162	yes	0	-1	yes	2.66	yes	0.34	yes	0	-1	yes	0.95	3162
3163	yes	-3	0	yes	0.57	no		yes	-6	-1			3163
3164	yes	-20	-2					yes	-23	-2			3164
3165	yes	-5	-1	yes	-0.0811	no		yes	-6	-2			3165
3166	no							yes	-5	-3			3166
3167	yes	-4	-1	yes	0.15	yes	4.55	yes	-4	-1	yes	0.61	3167
3168	yes	-36	-2					yes	-26	-2			3168
3169	yes	-6	-3					yes	-6	-3			3169
3170	yes	-11	-2					yes	-7	-1			3170
3171	yes	-32	-2					yes	-27	-2			3171
3172	yes	-11	-2					yes	-15	-2			3172
3173	yes	-26	-1					no					3173
3174	no							no					3174
3175	yes	-3	-3					yes	-3	-3			3175
3176	yes	-3	-1	yes	-0.24	no		yes	-3	-1	yes	-0.24	3176
3177	no							no					3177
3178	yes	-34	-3					yes	-28	-2			3178
3179	yes	-19	-1					yes	-12	-1			3179
3180	no							no					3180
3181	yes	-3	-4					yes	-1	-4			3181
3182	no							yes	-20	-1			3182
3183	yes	-25	-2					yes	-20	-2			3183
3184	yes	-1	-1	yes	1.37	yes	0.78	yes	0	0	yes	4.41	3184
3185	yes	-2	-3					yes	0	-3			3185
3186	no							yes	-4	-2	yes	-0.0753	3186
3187	yes	-35	-2					yes	-35	-2			3187
3188	yes	-3	-1	yes	0.65	yes	1.34	yes	-2	0	yes	-0.41	3188
3189	yes	-27	-2					yes	-25	-1			3189
3190	yes	-2	-1	yes	1.85	yes	3.46	yes	-2	-2	yes	1.24	3190
3191	yes	-2	-1	yes	0.24	yes	-0.26	yes	-3	0	yes	0.0366	3191
3192	no							no					3192
3193	yes	-11	0					yes	-11	0			3193
3194	yes	-7	0					yes	-9	0			3194
3195	yes	-9	-3					yes	-3	-2	yes	-0.05	3195
3196	yes	-23	-3					yes	-16	-3			3196
3197	yes	0	-3					yes	0	-3			3197
3198	yes	-15	-1					yes	-9	-1			3198

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3199	no							no					3199
3200	yes	-25	-2					yes	-18	-2			3200
3201	no							no					3201
3202	yes	-29	-1					yes	-8	-2			3202
3203	yes	-33	-2					yes	-33	-2			3203
3204	yes	-7	-1					yes	-7	-1			3204
3205	yes	-3	-1	yes	-0.33	no		no					3205
3206	yes	-24	-2					yes	-26	-2			3206
3207	yes	-11	-4					yes	-9	-4			3207
3208	no							yes	-25	-1			3208
3209	yes	-19	-2					yes	-14	-2			3209
3210	yes	-11	0					yes	-8	0			3210
3211	yes	-8	0					yes	-1	-1	yes	-0.0758	3211
3212	yes	-23	-3					yes	-6	-3			3212
3213	yes	0	-2	yes	4.24	no		no					3213
3214	no							no					3214
3215	yes	-14	-3					yes	-12	-4			3215
3216	yes	-22	-2					yes	-26	-2			3216
3217	no							no					3217
3218	yes	-30	-2					yes	-31	-2			3218
3219	yes	-28	-1					yes	-25	-1			3219
3220	yes	-3	-3					yes	0	-3			3220
3221	yes	0	0	yes	2.45	yes	-0.036	yes	0	-1	yes	-0.28	3221
3222	yes	-4	0	yes	-0.0161	yes	0.5	yes	-3	0	yes	1.62	3222
3223	yes	-4	-2	yes	1.81	yes	-0.52	yes	-5	-2	yes	1.32	3223
3224	yes	-29	-3					yes	-24	-1			3224
3225	yes	-28	-2					yes	-27	-2			3225
3226	yes	-15	-2					yes	-15	-2			3226
3227	yes	-11	-4					yes	-23	-4			3227
3228	yes	-32	-1					yes	0	-1	yes	0.69	3228
3229	yes	-27	-2					yes	-3	0	yes	-0.36	3229
3230	yes	-16	-1					yes	-20	-1			3230
3231	yes	-13	-1					yes	-15	-1			3231
3232	yes	-2	-2	yes	2.81	no		yes	-3	-2	yes	-0.18	3232
3233	yes	-3	-1	yes	0.26	yes	2.23	yes	-3	-1	yes	3.57	3233
3234	no							yes	-12	-1			3234
3235	yes	-25	-1					yes	-27	-1			3235
3236	no							no					3236
3237	no							yes	-5	-2	yes	3.88	3237
3238	yes	-3	-1	yes	0.7	yes	0.75	yes	-2	-1	yes	1.5	3238
3239	no							no					3239

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3240	yes	-29	-2					yes	-28	-1			3240
3241	yes	-9	0					yes	-8	0			3241
3242	no							no					3242
3243	yes	-29	-2					yes	-30	-1			3243
3244	no							no					3244
3245	yes	0	-3					yes	0	-3			3245
3246	yes	-8	-1					yes	-3	-3			3246
3247	yes	-6	-2					yes	-3	-3			3247
3248	no							no					3248
3249	yes	-31	-5					yes	-29	-5			3249
3250	yes	-1	-1	yes	-0.4	yes	0.72	yes	-4	0	yes	-0.25	3250
3251	yes	-12	-2					yes	-12	-2			3251
3252	yes	-3	-1	yes	3.49	yes	0.68	yes	-3	-1	yes	3.6	3252
3253	no							no					3253
3254	yes	0	-1	yes	1.34	yes	2.62	yes	0	-1	yes	2.21	3254
3255	yes	-21	-1					yes	-11	-1			3255
3256	no							no					3256
3257	yes	-18	-1					yes	-19	-1			3257
3258	yes	-6	-2					yes	-6	-1			3258
3259	yes	-15	-1					no					3259
3260	yes	-4	-2	yes	2.9	yes	0.57	no					3260
3261	yes	-26	-1					yes	-28	-1			3261
3262	no							yes	-28	-2			3262
3263	no							yes	-3	-1	yes	1.97	3263
3264	no							no					3264
3265	no							no					3265
3266	yes	-7	-1					yes	-7	-1			3266
3267	no							no					3267
3268	yes	-18	-2					yes	-15	-2			3268
3269	no							no					3269
3270	yes	0	-3					yes	-6	-5			3270
3271	no							no					3271
3272	no							no					3272
3273	yes	-13	-4					yes	-4	-3			3273
3274	yes	-34	-3					no					3274
3275	yes	0	-1	yes	3.03	yes	0.88	yes	0	-1	yes	2.33	3275
3276	no							yes	-3	-1	yes	1.53	3276
3277	yes	-3	-1	yes	2.06	yes	0.35	yes	-3	0	yes	-0.0016	3277
3278	yes	-5	-1	yes	rejected			yes	-4	-1	yes	-0.21	3278
3279	yes	-10	-1					yes	-11	-1			3279
3280	no							no					3280

Iteration	Basecase B				Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3281	yes	-9	-1					yes	-4	-1	yes	-0.21	3281
3282	yes	-5	-3					yes	-6	-3			3282
3283	yes	0	-1	yes	-0.0164	yes	3.2	yes	0	-1	yes	2.25	3283
3284	no							no					3284
3285	no							no					3285
3286	no							yes	-9	-2			3286
3287	no							no					3287
3288	yes	-3	0	yes	0.0369	yes	2.63	yes	-3	0	yes	0.87	3288
3289	yes	-6	-3					yes	-7	-3			3289
3290	yes	-2	-1	yes	4.5	yes	1.65	no					3290
3291	no							no					3291
3292	yes	-21	-1					yes	-2	-1	yes	1.62	3292
3293	yes	-5	-1	yes	4.5	yes	rejected	yes	-4	-1	yes	2.48	3293
3294	yes	-9	-3					yes	-9	-3			3294
3295	yes	-3	-1	yes	4.5	yes	1.7	yes	-4	-1	yes	0.35	3295
3296	yes	-25	-3					no					3296
3297	yes	-31	-3					yes	-29	-3			3297
3298	yes	-12	0					yes	-11	0			3298
3299	no							no					3299
3300	yes	-23	-2					yes	0	-1	yes	-0.36	3300
3301	no							no					3301
3302	yes	-10	-1					yes	-3	-1	yes	1.16	3302
3303	yes	0	-2	yes	0.0757	yes	3.85	yes	0	-2	yes	rejected	3303
3304	yes	-28	-1					no					3304
3305	yes	-2	-1	yes	0.11	yes	0.58	yes	0	-1	yes	-0.62	3305
3306	yes	-5	0	yes	3.83	yes	2.42	yes	-5	0	yes	-0.21	3306
3307	yes	-35	-3					yes	-35	-3			3307
3308	yes	-28	-1					yes	-27	-2			3308
3309	yes	-29	-1					yes	-12	-1			3309
3310	yes	-20	-1					yes	-14	-1			3310
3311	yes	0	-1	yes	0.53	yes	-0.65	yes	0	-1	yes	3.79	3311
3312	yes	-2	0	yes	-0.0478	yes	0.0265	yes	-2	-1	yes	2.24	3312
3313	yes	0	0	yes	1.11	yes	1.1	yes	0	0	yes	1.4	3313
3314	yes	-19	-3					yes	-3	-1	yes	1.04	3314
3315	yes	-1	-1	yes	1.1	yes	2	no					3315
3316	yes	-3	-1	yes	0.83	yes	0.14	yes	-4	-1	yes	4.4	3316
3317	no							no					3317
3318	yes	-3	-1	yes	4.29	yes	3.6	yes	0	-1	yes	-0.15	3318
3319	no							no					3319
3320	yes	-13	-1					no					3320
3321	yes	-8	-1					yes	-12	-1			3321

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3322	yes	-27	-1					yes	-26	-2			3322
3323	yes	-28	-4					yes	-14	-4			3323
3324	no							no					3324
3325	yes	-11	-1					yes	-13	-1			3325
3326	no							no					3326
3327	yes	-1	-1	yes	0.5	yes	2.28	yes	-19	-3			3327
3328	no							no					3328
3329	no							no					3329
3330	yes	-3	-3					yes	-3	-3			3330
3331	yes	-29	-5					yes	-32	-5			3331
3332	yes	-26	-2					yes	-19	-2			3332
3333	no							yes	-1	-1	yes	4.54	3333
3334	yes	-15	-2					yes	-17	-1			3334
3335	yes	-33	-4					yes	-29	-2			3335
3336	yes	-21	-2					yes	-8	-1			3336
3337	yes	-2	-3					yes	-2	-3			3337
3338	yes	-17	-1					yes	-11	0			3338
3339	yes	-26	-3					yes	-27	-3			3339
3340	yes	-20	-1					yes	-15	-2			3340
3341	yes	-6	-3					no					3341
3342	yes	-2	-1	yes	1.87	yes	1.11	yes	-3	-1	yes	1.21	3342
3343	no							yes	-5	-2	yes	2.71	3343
3344	yes	-11	-3					no					3344
3345	yes	-24	-2					yes	-23	-2			3345
3346	yes	-27	-3					yes	-26	-3			3346
3347	no							yes	-26	-2			3347
3348	no							no					3348
3349	yes	-12	-1					yes	-7	-1			3349
3350	yes	-5	-1	yes	0.43	yes	1.43	yes	-12	-1			3350
3351	yes	-4	-1	yes	0.0651	yes	-0.32	yes	-9	-1			3351
3352	no							no					3352
3353	yes	-3	-1	yes	-0.56	yes	0.67	yes	-3	-1	yes	-0.35	3353
3354	no							no					3354
3355	yes	-16	-3					yes	-19	-3			3355
3356	yes	-5	-3					yes	-5	-1	yes	0.23	3356
3357	no							no					3357
3358	yes	-18	-1					yes	-21	-1			3358
3359	yes	-4	-3					yes	-3	-3			3359
3360	yes	0	-1	yes	-0.0661	yes	1.29	yes	0	-1	yes	-0.25	3360
3361	no							yes	-24	-2			3361
3362	yes	-10	0					yes	-15	-1			3362

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3363	yes	-31	-1					yes	-13	-1			3363
3364	no							yes	-3	-1	yes	-0.32	3364
3365	yes	-3	-2	yes	rejected			yes	-3	-2	yes	-0.21	3365
3366	yes	-22	-1					yes	-9	-2			3366
3367	no							yes	-11	-3			3367
3368	yes	-7	-3					no					3368
3369	yes	-3	-2	yes	rejected			no					3369
3370	yes	-14	0					yes	-8	-1			3370
3371	no							no					3371
3372	yes	-3	-1	yes	2.13	yes	-0.57	yes	-4	-1	yes	0.12	3372
3373	no							no					3373
3374	yes	-3	-1	yes	-0.25	yes	rejected	yes	-3	-1	yes	2.58	3374
3375	yes	0	-1	yes	-0.48	yes	-0.66	yes	0	-1	yes	3.81	3375
3376	no							yes	-2	-2	yes	-0.46	3376
3377	yes	-3	0	yes	0.12	yes	2.74	yes	-3	0	yes	3.34	3377
3378	yes	-13	-3					yes	-12	-3			3378
3379	yes	-24	-3					yes	-8	-4			3379
3380	yes	-4	0	yes	1.8	yes	1.16	yes	-7	0			3380
3381	yes	-35	-3					yes	-21	-3			3381
3382	no							yes	-8	-1			3382
3383	yes	-6	-1					yes	-9	0			3383
3384	yes	-24	-2					yes	-20	-1			3384
3385	yes	-4	-1	yes	3.16	yes	1.41	yes	-4	-1	yes	3.77	3385
3386	yes	-23	-2					no					3386
3387	no							no					3387
3388	no							no					3388
3389	yes	-1	-2	yes	0.21	yes	-0.84	yes	0	-2	yes	1.62	3389
3390	yes	0	-4					yes	0	-3			3390
3391	yes	-25	-5					yes	-29	-5			3391
3392	no							no					3392
3393	yes	-16	-1					yes	-16	-1			3393
3394	no							yes	0	-1	yes	0.13	3394
3395	yes	-32	-5					yes	-21	-4			3395
3396	no							yes	-12	-1			3396
3397	yes	-32	-2					yes	-28	-1			3397
3398	yes	-24	-3					yes	-24	-3			3398
3399	no							no					3399
3400	yes	-9	-1					yes	-12	0			3400
3401	yes	-23	-2					yes	-14	-2			3401
3402	no							no					3402
3403	yes	-3	0	yes	1.55	yes	0.15	yes	-7	-1			3403

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3404	no							no					3404
3405	yes	0	-3					yes	0	-3			3405
3406	no							yes	-11	0			3406
3407	yes	-29	-2					yes	-10	0			3407
3408	yes	-8	0					yes	-8	0			3408
3409	yes	-13	-2					yes	-3	-1	yes	0.22	3409
3410	yes	-1	-1	yes	1.73	yes	1.79	yes	0	0	yes	0.0447	3410
3411	yes	-17	-3					yes	-20	-3			3411
3412	no							no					3412
3413	yes	-28	-2					yes	-27	-1			3413
3414	yes	-24	0					yes	-20	0			3414
3415	no							yes	-21	-2			3415
3416	yes	-23	-1					yes	-23	-1			3416
3417	yes	-13	-1					yes	-15	-1			3417
3418	yes	-9	-3					yes	-4	-3			3418
3419	yes	-15	0					yes	-19	0			3419
3420	yes	-10	-2					yes	0	-1	yes	2.88	3420
3421	yes	-3	-1	yes	0.56	yes	-0.22	yes	-4	-1	yes	1.11	3421
3422	no							no					3422
3423	yes	-3	-2	yes	rejected			yes	-14	-3			3423
3424	no							no					3424
3425	yes	-33	-1					yes	-21	0			3425
3426	no							no					3426
3427	no							no					3427
3428	yes	-9	-2					yes	-7	-2			3428
3429	yes	-29	-1					yes	-9	-1			3429
3430	yes	-6	-2					yes	-3	-2	yes	4.7	3430
3431	yes	-12	-3					yes	-8	-3			3431
3432	no							yes	0	-2	yes	-0.0409	3432
3433	yes	-7	-1					yes	-7	-1			3433
3434	yes	-2	-1	yes	-0.45	yes	-0.21	yes	0	-1	yes	0.92	3434
3435	no							yes	-23	-1			3435
3436	no							no					3436
3437	yes	-3	-1	yes	3.52	yes	3.52	yes	-7	-1			3437
3438	yes	-35	-4					no					3438
3439	yes	0	-3					yes	0	-3			3439
3440	yes	-3	-3					yes	0	-3			3440
3441	yes	-10	-2					yes	-10	-2			3441
3442	yes	-15	-3					yes	-19	-3			3442
3443	yes	-28	-3					yes	-28	-2			3443
3444	no							no					3444

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3445	yes	-26	0					yes	-14	0			3445
3446	yes	-1	-1	yes	-0.47	yes	1.51	yes	0	-1	yes	2.96	3446
3447	yes	-18	-1					yes	-23	-1			3447
3448	yes	-3	-2	yes	0.79	yes	2.6	yes	-3	-2	yes	1.09	3448
3449	yes	-28	-2					yes	-21	-2			3449
3450	yes	-25	-2					yes	-22	-2			3450
3451	no							no					3451
3452	no							no					3452
3453	yes	-28	-1					yes	-3	-1	yes	-0.33	3453
3454	yes	-12	-2					yes	-14	-2			3454
3455	yes	-3	-3					yes	-3	-3			3455
3456	yes	-12	-1					yes	-23	-3			3456
3457	yes	-5	-4					yes	-1	-3			3457
3458	no							no					3458
3459	no							no					3459
3460	yes	-36	-3					yes	-34	-2			3460
3461	yes	-17	-1					yes	-3	-1	yes	rejected	3461
3462	yes	-6	-1					yes	-8	-1			3462
3463	no							no					3463
3464	no							no					3464
3465	yes	-16	-1					yes	-9	-2			3465
3466	yes	-6	-1					yes	-3	-1	yes	-0.27	3466
3467	yes	-16	-1					yes	-11	-1			3467
3468	yes	-26	-2					yes	-26	-1			3468
3469	no							no					3469
3470	no							yes	-26	-2			3470
3471	yes	-4	-2	yes	2.42	yes	0.5	no					3471
3472	no							yes	-3	-1	yes	-0.25	3472
3473	no							no					3473
3474	yes	-1	-2	yes	2.52	yes	-0.039	yes	-2	-2	yes	-0.84	3474
3475	yes	-32	-3					yes	-32	-2			3475
3476	yes	-33	-2					yes	-33	-2			3476
3477	no							no					3477
3478	no							no					3478
3479	yes	-31	-2					yes	-26	-2			3479
3480	no							no					3480
3481	yes	-12	-1					yes	-12	-1			3481
3482	yes	-9	-1					yes	-8	-1			3482
3483	yes	-11	-1					yes	-14	-1			3483
3484	yes	-28	-3					yes	-24	-3			3484
3485	yes	-4	-2	yes	2.52	yes	0.41	yes	-3	-2	yes	1.71	3485

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3486	yes	-5	-1	yes	2.52	yes	0.85	yes	-5	-1	yes	1.3	3486
3487	yes	-21	-2					yes	-23	-2			3487
3488	yes	-21	-2					yes	-22	-2			3488
3489	no							yes	-9	-3			3489
3490	yes	-3	-1	yes	1.2	yes	3.52	yes	-6	-1			3490
3491	yes	-8	-2					yes	-2	0	yes	-0.22	3491
3492	no							no					3492
3493	no							yes	0	0	yes	1.61	3493
3494	yes	-34	-2					yes	-19	-3			3494
3495	yes	-5	-2	yes	0.68	yes	0.52	yes	-4	-2	yes	0.12	3495
3496	yes	-25	-2					yes	-23	-2			3496
3497	yes	-3	-1	yes	3.84	yes	-0.71	yes	-3	-1	yes	0.26	3497
3498	yes	-11	-1					yes	0	-3			3498
3499	yes	-22	-2					yes	-9	-2			3499
3500	yes	-36	-1					yes	-30	0			3500
3501	yes	-25	-2					yes	-23	-2			3501
3502	yes	-11	-2					yes	-11	-2			3502
3503	yes	0	-1	yes	3.28	yes	1.37	yes	-2	-1	yes	2.12	3503
3504	yes	-30	-3					yes	-30	-2			3504
3505	yes	-12	-4					yes	-7	-4			3505
3506	yes	-2	0	yes	1.22	yes	-0.46	yes	-2	0	yes	0.95	3506
3507	no							yes	-6	-2			3507
3508	yes	-28	-3					yes	-21	-2			3508
3509	no							no					3509
3510	no							no					3510
3511	yes	-10	-2					yes	-4	-1	yes	2.39	3511
3512	yes	-30	-1					yes	-27	-1			3512
3513	yes	-4	0	yes	1.22	yes	-0.45	yes	-2	-1	yes	-0.23	3513
3514	yes	-34	-1					yes	-31	-2			3514
3515	yes	-31	-4					no					3515
3516	no							no					3516
3517	yes	-19	-3					yes	0	-3			3517
3518	yes	-36	-2					yes	-32	-1			3518
3519	yes	-31	-4					yes	-29	-4			3519
3520	yes	-30	-3					yes	-30	-3			3520
3521	no							no					3521
3522	yes	-21	-3					yes	-18	-3			3522
3523	yes	-29	-2					no					3523
3524	yes	-9	-3					yes	-9	-3			3524
3525	yes	-9	-1					yes	-3	-1	yes	1.44	3525
3526	no							no					3526

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3527	yes	-23	-1					yes	-15	0			3527
3528	yes	-3	-1	yes	-0.32	yes	-0.23	yes	-5	-1	yes	4.42	3528
3529	no							no					3529
3530	yes	-8	-1					yes	-9	-1			3530
3531	yes	-30	-3					yes	-27	-3			3531
3532	yes	0	-1	yes	-0.53	yes	0.46	yes	-3	-1	yes	0.0905	3532
3533	yes	-33	-2					yes	-32	-2			3533
3534	yes	-28	-2					yes	-9	-3			3534
3535	yes	-4	-1	yes	2.39	yes	1.87	yes	-3	0	yes	0.23	3535
3536	yes	-5	0	yes	1.39	yes	3.45	yes	-3	-1	yes	2.76	3536
3537	yes	-2	0	yes	2.71	yes	-0.9	yes	-2	0	yes	-0.31	3537
3538	yes	-14	-1					yes	-16	-1			3538
3539	yes	-28	-1					yes	0	-1	yes	3.61	3539
3540	yes	-4	-1	yes	2.08	yes	2.43	yes	-3	-1	yes	0.32	3540
3541	yes	-5	-3					no					3541
3542	yes	-28	-1					yes	-22	-1			3542
3543	yes	-6	-3					yes	-6	-3			3543
3544	yes	-2	-2	yes	4.81	yes	2.23	yes	-4	-2	yes	0.11	3544
3545	yes	-25	-2					yes	-19	-2			3545
3546	no							no					3546
3547	yes	-4	-1	yes	1	yes	0.26	yes	-6	-1			3547
3548	no							yes	-7	0			3548
3549	no							no					3549
3550	yes	-13	-3					yes	-10	-3			3550
3551	yes	-6	-1					yes	-8	-1			3551
3552	no							yes	-9	-5			3552
3553	yes	0	-2	yes	4.21	yes	0.87	yes	-11	-3			3553
3554	no							no					3554
3555	yes	-7	-1					yes	-7	-1			3555
3556	yes	-5	-3					no					3556
3557	no							no					3557
3558	no							no					3558
3559	yes	0	-1	yes	0.88	yes	0.0726	yes	-8	-4			3559
3560	yes	-34	-4					no					3560
3561	yes	-23	-1					yes	-13	-2			3561
3562	yes	-8	-1					yes	0	-1	yes	-0.36	3562
3563	yes	-3	-1	yes	1.06	no		yes	-3	-1	yes	-0.74	3563
3564	yes	-22	-2					yes	-26	-2			3564
3565	yes	-1	-2	yes	-0.48	yes	2.1	yes	-1	-1	yes	2.65	3565
3566	yes	-3	-1	yes	2.48	yes	-0.47	yes	-3	-1	yes	3.83	3566
3567	yes	-12	-1					yes	-11	-1			3567

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3568	yes	-6	-1					yes	-4	-1	yes	3.11	3568
3569	yes	-17	-4					yes	-14	-4			3569
3570	yes	0	-2	yes	-0.11	yes	-0.31	yes	-1	-2	yes	rejected	3570
3571	yes	-6	-2					yes	-4	-2	yes	-0.71	3571
3572	yes	-13	-3					yes	-13	-3			3572
3573	yes	-22	-2					yes	-7	-1			3573
3574	no							yes	-3	0	yes	1.81	3574
3575	yes	-11	-2					yes	-4	-2	yes	2.35	3575
3576	no							yes	-24	-1			3576
3577	no							no					3577
3578	no							no					3578
3579	no							yes	-6	-4			3579
3580	yes	-20	-2					yes	-19	-2			3580
3581	yes	0	-3					yes	0	-3			3581
3582	no							no					3582
3583	no							no					3583
3584	yes	-8	-2					yes	-3	-1	yes	-0.0925	3584
3585	yes	-26	-2					yes	-25	-2			3585
3586	yes	-2	-1	yes	reiected			yes	-3	0	yes	0.036	3586
3587	no							yes	-3	-1	yes	-0.27	3587
3588	yes	-3	-1	yes	-0.0532	yes	0.0195	yes	-3	0	yes	1.81	3588
3589	no							no					3589
3590	yes	-1	-1	yes	-0.0532	yes	0.3	yes	0	-1	yes	1.1	3590
3591	no							yes	-5	-3			3591
3592	no							yes	-3	0	yes	1.85	3592
3593	yes	-10	-1					yes	-16	-1			3593
3594	no							no					3594
3595	yes	-3	-3					yes	-4	-2	yes	0.94	3595
3596	yes	-3	-1	yes	-0.89	yes	-0.74	yes	-3	-2	yes	2.36	3596
3597	yes	-20	-2					yes	0	-1	yes	0.81	3597
3598	yes	-16	-4					yes	-7	-3			3598
3599	yes	-4	-3					yes	-3	-3			3599
3600	yes	-17	-1					yes	-6	-1			3600
3601	no							no					3601
3602	no							no					3602
3603	no							yes	-11	-2			3603
3604	yes	-7	-1					yes	0	-2	yes	0.38	3604
3605	yes	-28	-2					yes	-23	-2			3605
3606	yes	-5	-1	yes	-0.26	yes	-0.37	yes	-7	0			3606
3607	yes	-8	-4					yes	-4	-4			3607
3608	yes	-33	-3					yes	-28	-3			3608

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3609	no							no					3609
3610	yes	-14	-1					yes	-17	-2			3610
3611	yes	-12	-1					yes	-10	-1			3611
3612	no							no					3612
3613	yes	-32	-2					no					3613
3614	yes	-19	-5					yes	-31	-5			3614
3615	yes	-6	-3					yes	-6	-3			3615
3616	yes	-3	0	yes	2.22	yes	1.06	yes	-3	0	yes	0.49	3616
3617	yes	-9	-2					yes	-3	-1	yes	2.63	3617
3618	yes	-5	-1	yes	2.01	yes	-0.5	yes	-3	-1	yes	-0.2	3618
3619	yes	-2	-1	yes	rejected			yes	-2	-1	yes	0.93	3619
3620	no							no					3620
3621	yes	-4	-2					yes	-4	-2	yes	1.85	3621
3622	no							no					3622
3623	no							yes	-13	-1			3623
3624	yes	-3	-2	yes	1.59	yes	2.43	yes	-4	-2	yes	1.98	3624
3625	no							no					3625
3626	no							no					3626
3627	yes	-32	-3					no					3627
3628	yes	-30	-1					yes	-8	0			3628
3629	no							yes	-34	-3			3629
3630	yes	-6	0					yes	-4	0	yes	-0.0862	3630
3631	no							no					3631
3632	yes	-17	-2					yes	-3	0	yes	1.08	3632
3633	yes	-36	-3					no					3633
3634	yes	-8	-1					yes	-3	-1	yes	2.07	3634
3635	no							no					3635
3636	no							no					3636
3637	no							no					3637
3638	no							no					3638
3639	yes	-2	-3					yes	0	-2	yes	4.45	3639
3640	yes	-2	-1	yes	0.22	yes	-0.41	yes	-3	-1	yes	-0.47	3640
3641	yes	-28	-1					yes	-28	-1			3641
3642	yes	-25	-2					yes	-13	-1			3642
3643	yes	-23	-3					yes	-22	-3			3643
3644	yes	-27	-2					yes	-7	-3			3644
3645	yes	-6	-3					yes	-4	-2	yes	3.78	3645
3646	yes	-32	-3					yes	-8	-1			3646
3647	no							yes	-10	-1			3647
3648	no							yes	-33	-1			3648
3649	yes	-6	-2					yes	-3	-3			3649

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3650	yes	0	-1	yes	2.87	yes	-0.36	yes	0	-1	yes	4.29	3650
3651	yes	-9	-1					no					3651
3652	yes	-5	-3					yes	-3	-1	yes	-0.13	3652
3653	yes	-21	-3					yes	-19	-3			3653
3654	yes	-9	-1					yes	-9	-1			3654
3655	no							yes	-25	-2			3655
3656	yes	-9	-2					yes	-7	-1			3656
3657	yes	-3	0	yes	-0.55	yes	3.82	yes	-3	0	yes	0.7	3657
3658	yes	-19	-1					yes	-16	-1			3658
3659	yes	-3	-2	yes	2.41	no		yes	-3	-2	yes	2.14	3659
3660	yes	-23	-4					no					3660
3661	yes	-33	-1					yes	-35	-2			3661
3662	no							yes	-5	-1	yes	-0.87	3662
3663	yes	-4	-3					yes	-4	-3			3663
3664	no							no					3664
3665	yes	-10	-1					yes	-5	-1	yes	rejected	3665
3666	yes	-4	-2	yes	-0.26	yes	-0.14	yes	-3	-2	yes	3.23	3666
3667	yes	0	-1	yes	4.08	no		yes	0	0	yes	-0.22	3667
3668	yes	-22	-2					yes	-23	-2			3668
3669	yes	-4	-1	yes	-0.22	yes	1.28	yes	-8	-1			3669
3670	no							no					3670
3671	no							no					3671
3672	no							no					3672
3673	yes	-11	-1					yes	-4	-1	yes	1.66	3673
3674	yes	-6	-3					yes	-11	-3			3674
3675	no							no					3675
3676	yes	-1	0	yes	0.82	yes	-1.1	yes	-2	-1	yes	-0.86	3676
3677	no							no					3677
3678	yes	-36	-5					yes	-27	-2			3678
3679	no							no					3679
3680	yes	-3	0	yes	2.68	yes	-0.33	yes	-3	0	yes	2.52	3680
3681	no							no					3681
3682	yes	-11	-1					yes	-1	0	yes	0.93	3682
3683	yes	-19	-2					yes	-8	-2			3683
3684	no							no					3684
3685	no							no					3685
3686	no							no					3686
3687	yes	0	-1	yes	1.86	yes	2.15	yes	0	-1	yes	-0.11	3687
3688	no							no					3688
3689	no							yes	-5	-4			3689
3690	no							no					3690

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3691	no							yes	-3	-1	yes	-0.49	3691
3692	no							no					3692
3693	yes	-3	-2	yes	-0.17	yes	3.31	yes	-3	-2	yes	-0.16	3693
3694	no							no					3694
3695	no							no					3695
3696	no							yes	-24	-3			3696
3697	no							no					3697
3698	yes	-28	-3					yes	-14	-3			3698
3699	no							no					3699
3700	no							no					3700
3701	yes	-31	-1					yes	-19	-1			3701
3702	no							no					3702
3703	yes	-3	-2	yes	2.05	yes	3.55	yes	-10	-1			3703
3704	yes	-3	-2	yes	0.17	yes	0.76	yes	-3	-2	yes	-0.12	3704
3705	yes	-32	-2					no					3705
3706	yes	-4	-2	yes	0.19	yes	1.56	yes	-4	-2	yes	3.98	3706
3707	yes	-19	-3					yes	-16	-4			3707
3708	yes	-18	-2					no					3708
3709	no							no					3709
3710	no							no					3710
3711	yes	-14	-2					yes	-5	-1	yes	-0.55	3711
3712	yes	-22	-2					yes	-25	-2			3712
3713	yes	-2	-4					yes	-7	-4			3713
3714	no							yes	0	0	yes	-0.34	3714
3715	yes	-3	0	yes	2.84	yes	-0.0805	yes	-3	0	yes	3.92	3715
3716	yes	-9	-3					yes	-13	-2			3716
3717	no							no					3717
3718	yes	-6	-1					yes	-11	-1			3718
3719	yes	-3	-3					no					3719
3720	no							no					3720
3721	yes	-6	-3					yes	-6	-3			3721
3722	no							no					3722
3723	yes	-5	-2	yes	-0.0932	yes	-0.29	yes	-5	-2	yes	1.71	3723
3724	yes	-4	-2	yes	4.22	yes	-0.18	yes	-4	-2	yes	-0.0596	3724
3725	no							yes	-17	-1			3725
3726	yes	0	-2	yes	-0.13	yes	1.49	yes	-3	-3			3726
3727	yes	-6	-1					yes	-13	-1			3727
3728	yes	0	-3					yes	-2	-4			3728
3729	no							yes	-11	-1			3729
3730	yes	-28	-1					yes	-28	-1			3730
3731	yes	-19	-2					yes	-21	-2			3731

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3732	no							no					3732
3733	yes	-7	-2					yes	-6	-2			3733
3734	yes	-33	-2					yes	-33	-2			3734
3735	yes	-21	-4					yes	-18	-5			3735
3736	yes	-32	-4					yes	-28	-2			3736
3737	yes	0	-2	yes	0.88	yes	1.4	no					3737
3738	yes	-23	-3					yes	-21	-3			3738
3739	yes	-3	-2	yes	-0.13	yes	2.59	yes	0	-2	yes	1.39	3739
3740	yes	0	-1	yes	0.58	yes	4.03	yes	0	-1	yes	1.02	3740
3741	yes	0	-1	yes	0.39	yes	1.99	yes	-1	-3			3741
3742	yes	-35	-4					yes	-31	-1			3742
3743	no							no					3743
3744	yes	-14	-3					yes	-16	-3			3744
3745	no							no					3745
3746	yes	0	-3					yes	0	-3			3746
3747	no							yes	-22	-2			3747
3748	yes	-33	-4					yes	-25	-3			3748
3749	yes	-22	-1					yes	-20	-1			3749
3750	no							no					3750
3751	yes	-3	0	yes	4.3	yes	-0.34	yes	-7	-1			3751
3752	no							no					3752
3753	yes	-27	0					yes	-21	0			3753
3754	yes	-18	-1					yes	-24	-1			3754
3755	yes	-31	-2					yes	-25	-2			3755
3756	yes	-22	0					yes	-30	0			3756
3757	yes	-36	-5					no					3757
3758	no							yes	-16	-2			3758
3759	no							no					3759
3760	yes	-28	-2					yes	-5	0	yes	0.21	3760
3761	no							no					3761
3762	yes	-24	-1					yes	-1	-1	yes	1.64	3762
3763	yes	-4	-1	yes	-0.39	yes	-0.52	yes	-3	-1	yes	-0.19	3763
3764	no							no					3764
3765	no							no					3765
3766	no							no					3766
3767	no							no					3767
3768	yes	-11	-2					yes	-14	-2			3768
3769	no							yes	-5	-1	yes	1.49	3769
3770	yes	-4	-1	yes	1.65	yes	0.25	yes	-7	-1			3770
3771	yes	-3	-3					yes	0	-3			3771
3772	yes	-28	-2					yes	-29	-2			3772

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3773	no							no					3773
3774	yes	-3	0	yes	0.49	yes	3.49	yes	-6	0			3774
3775	yes	-26	-2					yes	-25	-2			3775
3776	yes	-10	-2					yes	-10	-2			3776
3777	yes	-27	-2					yes	-27	-2			3777
3778	yes	-8	-1					yes	-3	0	yes	-0.31	3778
3779	no							no					3779
3780	no							yes	-14	0			3780
3781	no							no					3781
3782	yes	-9	-2					yes	-8	-2			3782
3783	no							no					3783
3784	yes	-9	-1					yes	-3	0	yes	3.79	3784
3785	yes	-9	-1					yes	-3	-1	yes	2.07	3785
3786	yes	-22	-2					yes	-22	-1			3786
3787	yes	-3	0	yes	0.22	yes	0.0723	yes	-4	0	yes	0.51	3787
3788	yes	-5	-4					yes	-5	-4			3788
3789	no							no					3789
3790	no							yes	0	-1	yes	-0.4	3790
3791	no							no					3791
3792	yes	-4	-1	yes	-0.25	yes	0.31	yes	-5	-1	yes	-0.15	3792
3793	no							no					3793
3794	yes	-36	-4					yes	-19	-2			3794
3795	no							no					3795
3796	yes	-13	-1					yes	-8	-1			3796
3797	yes	-2	-1	yes	rejected			yes	-2	-1	yes	2.12	3797
3798	yes	-23	-1					yes	-3	0	yes	1.59	3798
3799	yes	-6	-1					yes	-3	-1	yes	0.59	3799
3800	yes	-16	0					yes	-8	-1			3800
3801	yes	0	-1	yes	1.07	yes	-0.64	yes	-2	-1	yes	1.44	3801
3802	yes	-2	-1	yes	3.54	yes	4.13	yes	-4	0	yes	0.8	3802
3803	no							no					3803
3804	yes	-28	-4					yes	-21	-4			3804
3805	no							no					3805
3806	yes	0	-2	yes	rejected			yes	0	-3			3806
3807	yes	-7	-1					yes	-3	-1	yes	1.09	3807
3808	yes	-13	-1					yes	-11	-1			3808
3809	yes	-16	-3					yes	-3	-3			3809
3810	yes	-4	0	yes	-0.29	no		yes	-3	0	yes	2.08	3810
3811	no							no					3811
3812	yes	-3	-1	yes	rejected			yes	-3	0	yes	1.81	3812
3813	no							yes	-3	-1	yes	0.37	3813

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3814	yes	-7	-1					yes	-8	-1			3814
3815	no							yes	-28	-2			3815
3816	yes	-22	-1					yes	-4	-1	yes	1.17	3816
3817	no							no					3817
3818	no							no					3818
3819	yes	-4	-1	yes	-0.22	yes	2.7	yes	-4	-1	yes	2.58	3819
3820	yes	-27	-1					yes	-25	-1			3820
3821	yes	-29	-4					yes	-20	-4			3821
3822	yes	-31	-2					yes	-11	-1			3822
3823	yes	-12	-2					no					3823
3824	yes	-3	-3					yes	-6	-3			3824
3825	no							no					3825
3826	yes	-5	0	yes	2.22	yes	0.99	yes	-7	-1			3826
3827	yes	-5	-1	yes	-0.14	yes	1.38	yes	-4	-1	yes	2.9	3827
3828	yes	-3	-3					yes	-26	-4			3828
3829	no							yes	-10	-3			3829
3830	no							no					3830
3831	yes	-20	-1					yes	-11	-1			3831
3832	yes	-10	-1					yes	-11	-1			3832
3833	yes	-33	-2					yes	-7	-3			3833
3834	yes	-28	-2					no					3834
3835	yes	-7	-3					yes	-7	-3			3835
3836	no							yes	-26	-1			3836
3837	yes	-31	-3					yes	-24	-3			3837
3838	no							no					3838
3839	yes	-18	-1					yes	-21	-1			3839
3840	no							yes	-28	-2			3840
3841	yes	-11	0					yes	-11	0			3841
3842	yes	-31	-3					yes	-26	-2			3842
3843	yes	-32	-1					yes	-4	-1	yes	0.35	3843
3844	yes	-23	-2					yes	-14	-1			3844
3845	no							no					3845
3846	no							no					3846
3847	yes	-3	-1	yes	0.71	yes	4.17	yes	-2	-4			3847
3848	yes	-21	-1					yes	-12	-1			3848
3849	yes	-4	-2	yes	4.24	yes	2.31	yes	-4	0	yes	0.88	3849
3850	yes	-19	-2					yes	-9	-2			3850
3851	yes	-19	-1					yes	-8	-2			3851
3852	yes	-1	-4					yes	-1	-3			3852
3853	no							no					3853
3854	yes	-11	-2					yes	-8	-3			3854

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3855	yes	-24	-2					no					3855
3856	yes	-33	-4					yes	-30	-2			3856
3857	yes	-9	-3					yes	-9	-3			3857
3858	yes	-9	-3					yes	-6	-2			3858
3859	no							no					3859
3860	yes	-2	-4					yes	-1	-4			3860
3861	yes	-17	-1					yes	-14	-1			3861
3862	no							no					3862
3863	no							yes	-22	-2			3863
3864	yes	-4	-1	yes	0.0154	yes	3.1	yes	-4	-1	yes	4.25	3864
3865	yes	-13	-1					yes	-3	-1	yes	-0.11	3865
3866	no							yes	-2	-4			3866
3867	yes	-9	-1					yes	-6	-1			3867
3868	yes	-3	-1	yes	4.55	yes	3.51	yes	-4	-1	yes	4.25	3868
3869	yes	-35	-2					yes	-28	-1			3869
3870	yes	0	-1	yes	-0.0803	no		yes	0	-1	yes	1.36	3870
3871	yes	-4	-1	yes	2.27	yes	1.81	yes	-3	-1	yes	0.34	3871
3872	no							no					3872
3873	yes	-8	-2					yes	-7	-2			3873
3874	yes	-15	-3					yes	-17	-3			3874
3875	yes	-13	-2					yes	-24	-3			3875
3876	no							yes	-27	-4			3876
3877	yes	-15	-2					yes	-6	-2			3877
3878	yes	-27	-2					yes	-19	-3			3878
3879	no							yes	-13	-1			3879
3880	yes	-2	-1	yes	-0.54	yes	0.19	yes	-2	-1	yes	2.15	3880
3881	yes	-7	-3					yes	-27	-3			3881
3882	yes	-13	0					yes	-14	0			3882
3883	yes	-4	0	yes	1.82	yes	1.27	no					3883
3884	yes	-26	-1					yes	-29	-2			3884
3885	yes	-19	-4					yes	-11	-4			3885
3886	yes	-4	-2	yes	-0.45	yes	2.29	yes	-1	-2	yes	1.51	3886
3887	no							no					3887
3888	yes	-1	-2	yes	-0.61	yes	0.41	yes	-3	-1	yes	-0.57	3888
3889	yes	-3	-1	yes	-0.6	yes	-1.1	yes	-3	-1	yes	1.44	3889
3890	yes	-11	0					yes	-11	0			3890
3891	yes	-22	-1					yes	-22	-1			3891
3892	yes	-1	-1	yes	-0.32	yes	0.79	yes	-2	-1	yes	2.74	3892
3893	yes	-5	-2	yes	-0.036	yes	0.19	yes	-5	-2	yes	0.42	3893
3894	no							no					3894
3895	no							yes	-3	0	yes	-0.69	3895

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3896	no							yes	-30	-1			3896
3897	yes	-2	-5					yes	-3	-4			3897
3898	no							yes	-3	-1	yes	1.45	3898
3899	no							no					3899
3900	no							no					3900
3901	yes	-17	-2					yes	-21	-2			3901
3902	yes	-11	-1					no					3902
3903	yes	-6	-4					yes	-6	-4			3903
3904	yes	-21	-2					no					3904
3905	no							no					3905
3906	no							no					3906
3907	no							no					3907
3908	no							yes	-17	-2			3908
3909	yes	-8	-1					yes	-8	-1			3909
3910	yes	-12	-4					yes	-4	-5			3910
3911	yes	0	-1	yes	3.91	yes	3.62	yes	0	-1	yes	2.44	3911
3912	yes	0	-3					yes	0	-3			3912
3913	yes	-14	-1					yes	-3	0	yes	2.75	3913
3914	yes	-28	-2					yes	-5	-1	yes	1.87	3914
3915	yes	-12	-3					yes	-10	-3			3915
3916	yes	-16	-3					yes	-13	-3			3916
3917	yes	-19	-2					yes	-20	-2			3917
3918	yes	-25	-3					yes	0	-2	yes	3.43	3918
3919	no							yes	-18	-3			3919
3920	yes	-4	-3					yes	0	-3			3920
3921	yes	0	-2	yes	3.88	yes	1.21	yes	-1	-2	yes	0.13	3921
3922	yes	-3	-3					yes	-3	-3			3922
3923	yes	0	-1	yes	-0.0301	yes	-0.19	yes	0	-2	yes	1.72	3923
3924	yes	-3	-2	yes	4.37	no		yes	-2	-2	yes	-0.25	3924
3925	yes	-1	-2	yes	0.15	yes	rejected	yes	-2	-1	yes	2.37	3925
3926	yes	-26	-2					yes	-25	-2			3926
3927	yes	-23	-1					yes	-28	-2			3927
3928	no							no					3928
3929	yes	-2	0	yes	1.1	yes	1.82	yes	0	0	yes	2.57	3929
3930	yes	-2	-1	yes	1.35	yes	-0.0928	yes	0	-1	yes	-0.0343	3930
3931	no							no					3931
3932	yes	-26	-1					yes	-6	-1			3932
3933	yes	-2	-1	yes	0.31	yes	-0.0659	yes	-3	-1	yes	3.97	3933
3934	yes	-19	-4					yes	-14	-4			3934
3935	yes	-5	-2	yes	1.91	no		yes	-5	-2	yes	3.58	3935
3936	yes	-30	-3					no					3936

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3937	yes	-31	-3					no					3937
3938	no							no					3938
3939	no							no					3939
3940	yes	0	-2	yes	0.13	yes	-1.02	yes	0	-2	yes	-0.0265	3940
3941	yes	-15	-1					yes	-8	-1			3941
3942	yes	-3	-3					yes	-6	-4			3942
3943	yes	-29	-3					yes	-20	-1			3943
3944	yes	-18	-3					yes	-7	-2			3944
3945	yes	-6	-1					yes	-5	-1	yes	-0.22	3945
3946	no							yes	-5	-1	yes	1.33	3946
3947	yes	-26	-2					yes	-26	-2			3947
3948	yes	-1	-2	yes	0.0491	yes	2.59	yes	0	-3			3948
3949	no							no					3949
3950	yes	-4	-4					no					3950
3951	yes	0	-1	yes	rejected			yes	-1	-1	yes	2.27	3951
3952	yes	-14	-3					no					3952
3953	yes	0	-1	yes	2.66	yes	0.72	yes	0	-1	yes	0.41	3953
3954	yes	-27	-3					yes	-16	-1			3954
3955	no							no					3955
3956	yes	-7	-2					yes	-7	-2			3956
3957	yes	-7	-1					yes	0	-1	yes	-0.11	3957
3958	yes	-7	-1					yes	0	-1	yes	3.66	3958
3959	yes	-13	-3					yes	-6	-3			3959
3960	no							no					3960
3961	yes	-28	-2					yes	-4	0	yes	0.0878	3961
3962	yes	-7	-1					yes	-4	-1	yes	1.04	3962
3963	no							yes	-8	0			3963
3964	yes	-3	-2	yes	0.79	yes	2.36	yes	-2	-2	yes	0.0454	3964
3965	no							yes	-1	-2	yes	-0.36	3965
3966	yes	-4	-2	yes	rejected			yes	-2	-3			3966
3967	no							no					3967
3968	yes	-22	-4					yes	-7	-4			3968
3969	yes	-9	-1					yes	-12	-1			3969
3970	yes	-33	-2					yes	-8	-1			3970
3971	yes	-3	-1	yes	-0.34	yes	1.53	yes	-3	-2	yes	0.68	3971
3972	no							no					3972
3973	yes	0	-4					yes	-1	-4			3973
3974	yes	-18	-2					yes	-20	-2			3974
3975	yes	-34	-5					yes	-33	-4			3975
3976	yes	-8	0					yes	-8	0			3976
3977	yes	-15	-4					yes	-18	-4			3977

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
3978	yes	-11	-1					yes	-16	-2			3978
3979	yes	0	-3					yes	0	-3			3979
3980	yes	-14	0					yes	-13	0			3980
3981	yes	-11	-1					yes	-1	-1	yes	2.91	3981
3982	no							no					3982
3983	yes	-31	-2					yes	-31	-2			3983
3984	yes	-1	-3					yes	-1	-3			3984
3985	yes	0	-3					yes	0	-4			3985
3986	yes	-26	-2					yes	-29	-3			3986
3987	yes	0	-1	yes	4.13	yes	-0.49	yes	0	-1	yes	-0.24	3987
3988	yes	-28	-1					yes	-26	-1			3988
3989	yes	-2	-1	yes	-0.36	yes	1.02	yes	-4	-1	yes	-0.59	3989
3990	yes	-30	-2					yes	-10	-3			3990
3991	yes	-2	-2	yes	1.16	yes	1.4	yes	-2	-1	yes	rejected	3991
3992	yes	-4	-1	yes	1.25	yes	0.13	yes	-22	0			3992
3993	no							no					3993
3994	no							no					3994
3995	no							no					3995
3996	yes	-3	-1	yes	2.09	no		no					3996
3997	no							no					3997
3998	no							no					3998
3999	yes	-3	-1	yes	2.5	yes	-0.0889	yes	-3	-1	yes	2.03	3999
4000	yes	-3	-3					yes	-3	-3			4000
4001	yes	-9	-3					yes	-6	-3			4001
4002	no							yes	-8	0			4002
4003	yes	-27	-1					yes	-19	-1			4003
4004	yes	-4	-3					yes	-4	-2	yes	0.0834	4004
4005	yes	0	-3					no					4005
4006	yes	0	-3					yes	-2	-3			4006
4007	yes	-6	-1					yes	-6	-1			4007
4008	no							yes	-9	0			4008
4009	no							no					4009
4010	no							no					4010
4011	no							no					4011
4012	yes	-8	-1					yes	-10	-1			4012
4013	no							no					4013
4014	no							no					4014
4015	yes	-12	-2					yes	-14	-2			4015
4016	yes	-25	-1					yes	-24	-1			4016
4017	yes	-7	-3					yes	0	-3			4017
4018	yes	-7	-1					yes	-7	-1			4018

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4019	yes	-10	0					yes	-11	-1			4019
4020	no							no					4020
4021	yes	-16	-2					yes	-9	-3			4021
4022	yes	-2	-1	yes	2.5	yes	3.53	yes	-3	-1	yes	2.49	4022
4023	yes	-1	-5					yes	-1	-5			4023
4024	no							no					4024
4025	yes	-3	-1	yes	0.89	yes	1.69	yes	-4	-1	yes	2.63	4025
4026	yes	-1	-1	yes	-0.12	yes	0.16	yes	-1	-1	yes	-0.0322	4026
4027	yes	-22	-1					yes	-15	-1			4027
4028	yes	-31	-2					yes	-26	-3			4028
4029	yes	-4	-2	yes	1.85	yes	0.47	yes	-4	-1	yes	-0.59	4029
4030	yes	-36	-2					yes	-25	0			4030
4031	yes	-2	-1	yes	0.89	yes	1.2	yes	0	-1	yes	-0.61	4031
4032	yes	0	-3					yes	0	-3			4032
4033	yes	-31	-2					yes	-32	-2			4033
4034	yes	-15	-1					no					4034
4035	no							no					4035
4036	yes	-13	-1					yes	-15	-1			4036
4037	yes	-15	-2					yes	-12	-2			4037
4038	yes	-4	-1	yes	3.08	yes	1.82	yes	-5	-1	yes	3.2	4038
4039	yes	-28	-1					yes	-19	-1			4039
4040	yes	-2	-1	yes	0.0146	yes	0.0489	yes	-3	0	yes	1.78	4040
4041	yes	-4	-3					yes	-3	-3			4041
4042	yes	-12	-1					yes	-3	-3			4042
4043	yes	-6	-1					yes	-3	0	yes	1.45	4043
4044	yes	-22	-4					yes	-22	-4			4044
4045	no							no					4045
4046	no							yes	-3	-2	yes	0.12	4046
4047	yes	-3	-3					yes	-6	-4			4047
4048	yes	-24	-4					yes	-23	-4			4048
4049	yes	0	-1	yes	0.0146	yes	-1.25	yes	0	-1	yes	-0.73	4049
4050	yes	-27	-1					yes	-27	-1			4050
4051	no							yes	-26	-1			4051
4052	yes	-4	-1	yes	0.0471	yes	1.3	yes	-3	-2	yes	0.21	4052
4053	yes	-4	-2	yes	-0.00389	yes	-0.0941	yes	-4	-2	yes	0.31	4053
4054	no							no					4054
4055	yes	-29	-2					yes	-14	-1			4055
4056	yes	-3	-1	yes	2.71	yes	3.25	yes	-2	-2	yes	1.02	4056
4057	no							yes	-24	-2			4057
4058	yes	-21	-1					yes	-20	-1			4058
4059	yes	-28	-4					yes	-23	-4			4059

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4060	no							no					4060
4061	yes	-6	-1					yes	-6	-1			4061
4062	no							no					4062
4063	yes	-28	-2					yes	-28	-2			4063
4064	yes	-3	-3					yes	-3	-4			4064
4065	yes	-12	-1					yes	-12	-1			4065
4066	no							yes	-3	-1	yes	0.99	4066
4067	no							yes	-2	-2	yes	1.79	4067
4068	yes	-30	-3					yes	-16	-3			4068
4069	yes	-3	-2	yes	2.74	yes	0.93	no					4069
4070	yes	-8	-2					yes	-9	-2			4070
4071	yes	-29	-1					yes	-27	-2			4071
4072	yes	-19	-1					yes	-12	-1			4072
4073	yes	0	-3					yes	-1	-4			4073
4074	yes	0	-1	yes	2.13	yes	2.13	yes	-4	-1	yes	0.0424	4074
4075	yes	-26	-2					yes	-8	-2			4075
4076	yes	-10	-1					yes	-10	-1			4076
4077	no							no					4077
4078	yes	-6	-1					yes	-3	-2	yes	0.88	4078
4079	yes	0	-1	yes	2.88	yes	1.03	yes	-3	0	yes	2.55	4079
4080	yes	-34	-3					yes	-27	-2			4080
4081	yes	-4	-1	yes	1.96	yes	-0.53	yes	-4	-1	yes	2.21	4081
4082	no							yes	-4	-1	yes	-0.41	4082
4083	yes	-34	-2					yes	-14	-4			4083
4084	yes	-33	-3					no					4084
4085	yes	-2	-1	yes	0.0882	yes	1.4	no					4085
4086	yes	-31	-2					yes	-18	-3			4086
4087	yes	-30	-2					yes	-26	-2			4087
4088	yes	-17	-1					yes	-10	-1			4088
4089	yes	-17	-1					no					4089
4090	no							no					4090
4091	no							no					4091
4092	no							no					4092
4093	yes	-19	-1					yes	0	-1	yes	2.62	4093
4094	yes	-13	-1					yes	-12	-2			4094
4095	no							no					4095
4096	no							no					4096
4097	no							no					4097
4098	yes	-19	-1					yes	-12	-1			4098
4099	yes	-3	-1	yes	-0.34	yes	0.63	yes	-3	-1	yes	2.49	4099
4100	no							no					4100

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4101	yes	-18	-1					yes	-3	-1	yes	-0.39	4101
4102	yes	-9	-3					yes	0	-4			4102
4103	yes	0	-2	yes	-0.0224	yes	0.25	no					4103
4104	no							no					4104
4105	yes	-29	-2					yes	-28	-2			4105
4106	yes	-14	-2					yes	-13	-1			4106
4107	yes	-28	-1					yes	-12	0			4107
4108	yes	-1	-2	yes	2.41	no		yes	-3	-2	yes	0.00912	4108
4109	yes	-7	-3					yes	-16	-3			4109
4110	yes	-15	-2					yes	-10	-2			4110
4111	yes	-6	-3					yes	0	-3			4111
4112	yes	-8	-1					yes	-9	-1			4112
4113	yes	-24	-3					yes	-26	-3			4113
4114	yes	-10	-3					yes	-12	-3			4114
4115	yes	-5	-1	yes	1.14	no		no					4115
4116	yes	-7	-1					yes	-10	-2			4116
4117	yes	-6	-2					yes	-6	-2			4117
4118	yes	-16	-1					yes	-16	-1			4118
4119	yes	-8	0					yes	-8	0			4119
4120	no							no					4120
4121	yes	-4	-2	yes	-0.87	yes	1.33	yes	-3	-2	yes	1.12	4121
4122	no							no					4122
4123	no							yes	-3	-1	yes	1.73	4123
4124	yes	-34	-2					no					4124
4125	yes	-27	-2					yes	-26	-2			4125
4126	no							yes	-5	0	yes	3.75	4126
4127	yes	-25	0					yes	-25	0			4127
4128	yes	-11	0					yes	-14	-1			4128
4129	yes	-11	-1					yes	0	-1	yes	1.34	4129
4130	no							no					4130
4131	yes	-24	-2					yes	-21	-2			4131
4132	no							no					4132
4133	no							no					4133
4134	yes	-26	-2					yes	-24	-2			4134
4135	yes	-26	-2					yes	-26	-2			4135
4136	no							yes	-13	0			4136
4137	no							no					4137
4138	no							no					4138
4139	no							yes	-19	-1			4139
4140	yes	-34	-4					yes	-12	-3			4140
4141	yes	-17	-2					yes	-14	-2			4141

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4142	yes	-10	-2					yes	-7	-2			4142
4143	no							no					4143
4144	yes	-14	-3					yes	-15	-3			4144
4145	no							no					4145
4146	yes	-4	-4					yes	-1	-4			4146
4147	yes	-15	-1					no					4147
4148	yes	-3	-2	yes	1.12	yes	-0.17	yes	-12	-2			4148
4149	yes	-16	-1					yes	-3	-1	yes	1.89	4149
4150	no							no					4150
4151	no							no					4151
4152	no							yes	-29	-2			4152
4153	yes	-12	-2					yes	-1	-3			4153
4154	yes	-2	-1	yes	-0.49	yes	-0.0679	yes	-1	-1	yes	rejected	4154
4155	yes	-13	-2					yes	-14	-2			4155
4156	no							no					4156
4157	no							no					4157
4158	yes	-32	-3					no					4158
4159	yes	-7	-2					yes	-5	-2	yes	3.21	4159
4160	no							no					4160
4161	yes	-7	-1					yes	-6	-1			4161
4162	yes	-9	-1					yes	-12	-1			4162
4163	no							yes	-5	-4			4163
4164	no							no					4164
4165	no							no					4165
4166	no							no					4166
4167	yes	-2	-1	yes	2.56	yes	0.41	yes	-3	-1	yes	4.28	4167
4168	no							yes	-21	-2			4168
4169	no							no					4169
4170	no							no					4170
4171	yes	-4	-2	yes	-0.48	yes	1.09	yes	-4	-1	yes	-0.31	4171
4172	yes	-2	-1	yes	0.92	yes	0.85	yes	-3	0	yes	1.23	4172
4173	yes	-36	-2					yes	-28	-3			4173
4174	yes	-5	-1	yes	rejected			yes	-5	-1	yes	0.61	4174
4175	no							no					4175
4176	no							no					4176
4177	no							no					4177
4178	no							no					4178
4179	yes	-4	-1	yes	-0.16	yes	3.7	yes	-4	-1	yes	3.03	4179
4180	no							no					4180
4181	no							yes	-6	-2			4181
4182	no							no					4182

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4183	yes	-23	-2					yes	-7	-1			4183
4184	yes	-1	-3					yes	-1	-3			4184
4185	no							no					4185
4186	no							no					4186
4187	no							no					4187
4188	yes	-11	0					yes	-8	0			4188
4189	no							yes	0	-2	yes	1.64	4189
4190	no							yes	-8	-1			4190
4191	yes	-11	-3					yes	-4	-3			4191
4192	yes	-16	-2					yes	-19	-1			4192
4193	yes	-1	-1	yes	-0.0108	yes	2.75	yes	-4	0	yes	0.0338	4193
4194	yes	-27	-4					yes	-27	-4			4194
4195	no							yes	0	-1	yes	-0.0338	4195
4196	no							no					4196
4197	yes	-4	-2	yes	-0.61	yes	1.28	yes	-4	-1	yes	1.76	4197
4198	no							no					4198
4199	yes	-23	-3					yes	-23	-3			4199
4200	no							no					4200
4201	yes	-30	-1					yes	-27	-1			4201
4202	yes	-3	-3					yes	-7	-4			4202
4203	yes	-28	-2					yes	-7	0			4203
4204	yes	-26	-2					yes	-22	-2			4204
4205	no							no					4205
4206	yes	-8	-3					yes	-23	-4			4206
4207	no							yes	-33	-2			4207
4208	yes	-14	-1					no					4208
4209	no							yes	-30	-3			4209
4210	yes	-7	-4					yes	-7	-4			4210
4211	yes	-4	-4					yes	-4	-4			4211
4212	no							yes	-5	-1	yes	0.0946	4212
4213	yes	-3	-1	yes	2.12	yes	-0.22	yes	-5	-1	yes	rejected	4213
4214	yes	-19	-3					yes	-15	-3			4214
4215	yes	-14	-3					yes	0	-3			4215
4216	yes	-7	-2					yes	-5	-2	yes	0.0194	4216
4217	no							no					4217
4218	yes	-2	-3					yes	-3	-3			4218
4219	yes	-18	-1					yes	-10	-1			4219
4220	yes	-13	-2					yes	-5	-1	yes	-0.0414	4220
4221	yes	-17	-3					yes	-9	-3			4221
4222	no							yes	0	-1	yes	0.11	4222
4223	yes	-8	-2					yes	-10	-1			4223

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4224	yes	-2	0	yes	4.88	yes	-0.92	yes	-4	0	yes	1.79	4224
4225	yes	-13	-1					yes	-9	-1			4225
4226	yes	-14	0					yes	-14	0			4226
4227	yes	0	-2	yes	rejected			yes	0	-2	yes	1.85	4227
4228	no							no					4228
4229	yes	-2	-1	yes	2.47	yes	-0.13	yes	-3	-2	yes	4.3	4229
4230	yes	-21	-4					yes	-21	-4			4230
4231	yes	-19	-1					yes	-19	-1			4231
4232	yes	-20	-3					yes	-19	-3			4232
4233	yes	-31	-2					no					4233
4234	yes	-26	-3					yes	-18	-3			4234
4235	no							no					4235
4236	yes	-3	-1	yes	1.17	yes	-0.29	yes	-3	-1	yes	3.11	4236
4237	yes	-22	-2					yes	-22	-2			4237
4238	yes	-3	-1	yes	2.14	yes	-0.0894	yes	-4	-2	yes	1.55	4238
4239	yes	-4	-3					yes	0	-3			4239
4240	yes	-16	-3					no					4240
4241	no							no					4241
4242	no							yes	-3	-2	yes	3.23	4242
4243	yes	-16	-2					yes	-21	-2			4243
4244	yes	0	-1	yes	-0.2	yes	-0.25	no					4244
4245	yes	-34	-2					yes	-34	-2			4245
4246	yes	-33	-3					yes	-29	-3			4246
4247	yes	-4	-2	yes	0.0243	yes	1.86	yes	-4	-2	yes	4.23	4247
4248	yes	-8	-3					yes	-9	-2			4248
4249	yes	-10	-2					yes	-2	0	yes	1.78	4249
4250	yes	0	-1	yes	0.15	yes	1.8	yes	-5	-2	yes	-0.0948	4250
4251	no							no					4251
4252	no							yes	-6	-2			4252
4253	yes	-22	0					yes	-21	0			4253
4254	no							no					4254
4255	yes	-3	-1	yes	1.29	yes	3.74	yes	0	-1	yes	-0.0624	4255
4256	no							no					4256
4257	yes	-4	-2	yes	1.35	yes	-0.68	yes	-4	-2	yes	-0.63	4257
4258	yes	-3	0	yes	1.32	yes	0.95	yes	-3	0	yes	0.18	4258
4259	yes	-14	-3					yes	-7	-3			4259
4260	no							no					4260
4261	yes	0	-3					yes	0	-3			4261
4262	no							no					4262
4263	yes	-14	-2					yes	-9	-1			4263
4264	yes	-4	-2	yes	2.42	yes	1.37	yes	-6	-2			4264

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4265	yes	-7	-1					yes	-7	-1			4265
4266	yes	-10	-1					yes	-15	-1			4266
4267	yes	-27	-1					no					4267
4268	no							no					4268
4269	yes	-1	-2	yes	-0.59	yes	-0.48	yes	0	-3			4269
4270	yes	-5	-2	yes	0.81	yes	0.56	yes	-4	-2	yes	3.5	4270
4271	yes	-27	-2					no					4271
4272	no							no					4272
4273	yes	-22	-2					yes	-25	-2			4273
4274	yes	-29	-1					yes	-22	0			4274
4275	yes	-7	0					yes	-7	0			4275
4276	yes	-28	-2					yes	-15	-1			4276
4277	yes	-6	-3					yes	-5	-3			4277
4278	yes	-12	-1					yes	-12	-1			4278
4279	no							no					4279
4280	no							no					4280
4281	yes	-3	-1	yes	3.23	yes	2.49	yes	-3	-1	yes	2.32	4281
4282	yes	-29	-2					yes	-13	-1			4282
4283	yes	-29	-4					yes	-23	-4			4283
4284	no							no					4284
4285	yes	0	0	yes	1.8	no		no					4285
4286	yes	-12	-4					yes	-11	-4			4286
4287	yes	-16	-2					yes	-7	-2			4287
4288	no							no					4288
4289	yes	-17	-3					yes	-21	-3			4289
4290	yes	-3	-3					yes	0	-2	yes	3.38	4290
4291	no							no					4291
4292	no							no					4292
4293	yes	0	-1	yes	-0.35	yes	rejected	yes	-1	0	yes	1.81	4293
4294	yes	-4	-1	yes	-0.32	yes	1.02	yes	-3	0	yes	1.15	4294
4295	yes	-4	-1	yes	-0.0331	yes	1.38	yes	-5	-1	yes	rejected	4295
4296	no							no					4296
4297	yes	-19	-1					yes	-4	-1	yes	2.18	4297
4298	no							no					4298
4299	yes	0	-1	yes	-0.12	yes	-0.11	yes	0	-1	yes	4.74	4299
4300	no							no					4300
4301	yes	-32	-3					yes	-32	-3			4301
4302	yes	-5	-1	yes	2.76	yes	3.1	yes	-3	-1	yes	3.31	4302
4303	yes	-4	-1	yes	1.64	yes	1.44	yes	-4	-1	yes	3	4303
4304	no							no					4304
4305	yes	-7	0					yes	-8	0			4305

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4306	yes	-2	-3					yes	0	-2	yes	3.38	4306
4307	yes	-32	-2					yes	-17	-2			4307
4308	no							yes	-6	-2			4308
4309	yes	0	-1	yes	4.1	yes	0.12	yes	-1	-1	yes	0.073	4309
4310	yes	-12	-3					yes	-4	-3			4310
4311	no							no					4311
4312	yes	-4	-1	yes	0.0118	yes	1.86	yes	-4	-1	yes	0.11	4312
4313	yes	-3	-2	yes	-0.68	yes	-0.37	yes	-7	-1			4313
4314	no							no					4314
4315	yes	-11	-1					yes	-6	-1			4315
4316	yes	-11	-3					yes	-9	-3			4316
4317	yes	-31	-3					yes	-26	-1			4317
4318	no							no					4318
4319	no							no					4319
4320	yes	-19	-2					yes	-20	-3			4320
4321	no							no					4321
4322	yes	-31	-3					yes	-29	-2			4322
4323	no							no					4323
4324	no							no					4324
4325	yes	-26	-1					yes	-11	-1			4325
4326	yes	-20	-1					yes	-19	-1			4326
4327	yes	-6	-1					yes	-3	-2	yes	2.63	4327
4328	no							no					4328
4329	no							no					4329
4330	yes	-36	-4					no					4330
4331	yes	-7	-1					yes	-3	-1	yes	1.58	4331
4332	no							no					4332
4333	yes	-19	-2					yes	-8	-3			4333
4334	no							yes	-13	-2			4334
4335	yes	-33	-3					yes	-27	-3			4335
4336	yes	0	-1	yes	4.01	yes	0.55	yes	-4	-3			4336
4337	no							yes	-17	-1			4337
4338	no							yes	-4	-1	yes	3.61	4338
4339	yes	-31	0					yes	-31	0			4339
4340	yes	-27	-1					yes	-21	-1			4340
4341	yes	-6	-1					yes	-3	0	yes	-0.0248	4341
4342	yes	0	-1	yes	2	yes	-0.18	yes	0	-1	yes	1.1	4342
4343	yes	-15	-1					yes	-7	0			4343
4344	no							no					4344
4345	yes	-27	-2					yes	-27	-2			4345
4346	yes	-25	-2					yes	-12	-2			4346

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4347	yes	-32	-2					yes	-31	-2			4347
4348	yes	-9	-2					yes	-12	-2			4348
4349	yes	-2	-3					yes	-2	-2	yes	2.49	4349
4350	yes	-32	-2					yes	-32	-2			4350
4351	no							yes	-27	-2			4351
4352	no							yes	-18	-2			4352
4353	yes	-3	-1	yes	1.23	yes	0.18	yes	-3	-1	yes	-0.5	4353
4354	yes	-6	-1					yes	-6	-1			4354
4355	yes	0	-3					yes	0	-3			4355
4356	yes	-28	0					yes	-22	0			4356
4357	no							no					4357
4358	yes	-16	-2					yes	-20	-2			4358
4359	yes	0	-1	yes	3.4	yes	1.11	yes	0	-1	yes	0.48	4359
4360	no							no					4360
4361	yes	-36	-4					yes	-33	-2			4361
4362	no							yes	-12	-5			4362
4363	yes	-16	-3					yes	-13	-3			4363
4364	yes	-28	-1					yes	-9	-1			4364
4365	no							yes	-3	-2	yes	2.18	4365
4366	yes	-29	-5					yes	-27	-2			4366
4367	no							no					4367
4368	yes	-8	-3					yes	-3	-2	yes	0.64	4368
4369	yes	-28	-5					yes	-21	-4			4369
4370	yes	-7	-1					no					4370
4371	yes	-9	-1					yes	-4	-2	yes	1.73	4371
4372	yes	-26	-1					yes	-11	0			4372
4373	yes	-1	-1	yes	-0.36	yes	-1.14	yes	-9	-3			4373
4374	yes	-14	-1					yes	-9	-1			4374
4375	no							yes	-22	-2			4375
4376	no							no					4376
4377	yes	-14	-2					yes	0	-2	yes	-0.0375	4377
4378	yes	-21	-1					yes	-17	-1			4378
4379	yes	-25	-3					yes	-24	-3			4379
4380	no							no					4380
4381	yes	-15	-2					yes	-14	-2			4381
4382	no							no					4382
4383	no							no					4383
4384	yes	-26	-2					yes	-8	-1			4384
4385	no							yes	-5	-2	yes	rejected	4385
4386	yes	-4	-1	yes	0.0341	yes	2.22	yes	-4	-1	yes	1.99	4386
4387	yes	0	-3					yes	0	-3			4387

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4388	yes	-10	-3					no					4388
4389	yes	-3	0	yes	-0.14	yes	0.41	yes	-3	0	yes	0.3	4389
4390	yes	-33	-2					yes	-28	-2			4390
4391	no							no					4391
4392	yes	-25	-3					yes	-22	-3			4392
4393	yes	-3	-3					yes	-4	-3			4393
4394	yes	-23	-5					yes	-11	-2			4394
4395	yes	-4	-1	yes	-0.68	yes	2.9	yes	-4	-2	yes	0.00166	4395
4396	yes	-28	-2					yes	-29	-2			4396
4397	yes	-3	-3					yes	-3	-5			4397
4398	yes	-3	-1	yes	0.42	yes	-0.46	yes	-3	-1	yes	-0.32	4398
4399	no							no					4399
4400	no							no					4400
4401	no							yes	-2	-1	yes	rejected	4401
4402	yes	-3	-2	yes	rejected			yes	-4	0	yes	rejected	4402
4403	yes	-20	-1					no					4403
4404	yes	-25	-1					no					4404
4405	yes	-16	-2					yes	-16	-1			4405
4406	yes	-3	-1	yes	rejected			yes	-3	0	yes	4.55	4406
4407	yes	-32	-4					yes	-27	-3			4407
4408	no							yes	-27	-3			4408
4409	no							no					4409
4410	yes	-21	-2					no					4410
4411	yes	-30	-2					no					4411
4412	yes	-1	0	yes	0.1	yes	-0.14	yes	-2	-1	yes	0.69	4412
4413	no							no					4413
4414	yes	-12	-3					yes	-14	-3			4414
4415	no							yes	-24	-3			4415
4416	yes	-4	-3					yes	-6	-3			4416
4417	yes	-9	-4					yes	-9	-3			4417
4418	yes	-9	-2					yes	-11	-2			4418
4419	no							no					4419
4420	yes	-17	-3					yes	-17	-3			4420
4421	no							yes	-2	-3			4421
4422	yes	-27	-2					yes	-7	-1			4422
4423	yes	-3	-1	yes	3.28	yes	3.15	no					4423
4424	yes	-19	-3					yes	-17	-4			4424
4425	yes	-17	-2					yes	-7	0			4425
4426	no							yes	-10	-2			4426
4427	no							no					4427
4428	no							no					4428

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4429	yes	-29	-3					yes	-22	-1			4429
4430	yes	-27	-2					no					4430
4431	no							yes	-11	-3			4431
4432	yes	-29	-2					yes	-8	-3			4432
4433	yes	0	-2	yes	2.22	yes	1.67	yes	0	-1	yes	2.69	4433
4434	yes	0	-1	yes	-0.62	yes	0.78	yes	0	-1	yes	1.77	4434
4435	yes	-7	-2					yes	-6	-2			4435
4436	yes	-14	-3					yes	-20	-3			4436
4437	yes	-31	-3					yes	-31	-3			4437
4438	yes	-8	-1					yes	-6	-1			4438
4439	no							no					4439
4440	no							no					4440
4441	yes	-14	-2					yes	-9	-2			4441
4442	no							no					4442
4443	yes	-22	-3					yes	-20	-3			4443
4444	no							no					4444
4445	no							no					4445
4446	yes	-3	0	yes	4.82	yes	-0.46	yes	-3	0	yes	3.29	4446
4447	yes	-17	0					yes	-15	0			4447
4448	yes	-3	-2	yes	2.94	yes	-0.59	no					4448
4449	yes	0	-1	yes	3.84	yes	-0.31	yes	0	-1	yes	2.04	4449
4450	yes	-4	-1	yes	1.05	yes	1.07	yes	-3	-1	yes	0.85	4450
4451	yes	-19	-3					yes	-15	-3			4451
4452	yes	-18	-2					yes	-10	-1			4452
4453	no							yes	-9	-1			4453
4454	yes	-22	-2					yes	-13	-2			4454
4455	no							no					4455
4456	yes	0	-3					yes	-4	-4			4456
4457	yes	-13	-3					yes	-12	-3			4457
4458	yes	-3	-3					yes	-6	-3			4458
4459	yes	-3	-1	yes	rejected			yes	-3	-1	yes	1.76	4459
4460	no							no					4460
4461	yes	-7	-1					yes	0	0	yes	1.71	4461
4462	yes	-1	-1	yes	-0.55	yes	0.42	yes	0	-1	yes	-0.81	4462
4463	yes	-3	-2	yes	rejected			yes	-4	-2	yes	-0.0078	4463
4464	yes	-27	-2					no					4464
4465	yes	-3	-3					yes	0	-2	yes	0.084	4465
4466	yes	-16	-3					yes	-17	-3			4466
4467	yes	-26	-1					yes	-3	0	yes	-0.48	4467
4468	yes	-35	-2					yes	-33	-2			4468
4469	no							yes	-5	-1	yes	2.75	4469

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4470	yes	-4	-1	yes	2.01	yes	2.31	no					4470
4471	no							no					4471
4472	yes	-3	-3					yes	-3	-3			4472
4473	no							no					4473
4474	yes	-26	-4					yes	-18	-4			4474
4475	yes	-1	-1	yes	2.25	yes	0.44	yes	-2	-2	yes	4.95	4475
4476	no							no					4476
4477	yes	-21	-3					no					4477
4478	no							yes	-16	-2			4478
4479	yes	-4	-2	yes	-0.25	yes	-0.7	yes	0	-2	yes	-0.54	4479
4480	yes	-4	-3					yes	0	-3			4480
4481	no							no					4481
4482	yes	-3	-3					yes	-3	-3			4482
4483	yes	-9	-2					yes	-6	-2			4483
4484	no							no					4484
4485	yes	-36	-3					yes	-27	-1			4485
4486	yes	-5	-1	yes	1.77	no		yes	0	-1	yes	-0.42	4486
4487	yes	0	-1	yes	-0.21	yes	4.35	yes	-1	-1	yes	-0.56	4487
4488	no							yes	0	-1	yes	-0.3	4488
4489	yes	-33	-3					no					4489
4490	yes	-2	-1	yes	2.12	yes	0.98	yes	-2	-1	yes	-0.0382	4490
4491	yes	-4	-3					yes	-3	-2	yes	-0.23	4491
4492	no							no					4492
4493	yes	-13	-4					yes	-5	-4			4493
4494	yes	-5	-2	yes	reiected			yes	-5	-2	yes	1.92	4494
4495	yes	-1	-1	yes	3.98	yes	-0.78	yes	-3	-1	yes	-0.46	4495
4496	yes	-30	-2					yes	-30	-2			4496
4497	yes	-27	-3					yes	-9	-4			4497
4498	no							no					4498
4499	yes	-30	-2					yes	-30	-2			4499
4500	yes	-20	-5					yes	-21	-5			4500
4501	yes	-25	-2					yes	-7	-1			4501
4502	yes	-20	-1					yes	-19	-1			4502
4503	no							no					4503
4504	no							no					4504
4505	yes	-2	-2	yes	0.45	yes	1.4	yes	0	-1	yes	4.69	4505
4506	yes	-24	-1					yes	-9	0			4506
4507	no							no					4507
4508	yes	-7	-1					yes	-9	-1			4508
4509	yes	-25	-1					yes	-24	0			4509
4510	yes	-4	-3					yes	0	-3			4510

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4511	yes	-25	-2					yes	-6	-2			4511
4512	yes	-4	-1	yes	2.51	yes	1.46	yes	-4	-1	yes	1.79	4512
4513	no							no					4513
4514	no							no					4514
4515	yes	-25	-3					yes	-8	-2			4515
4516	no							yes	-8	-1			4516
4517	no							no					4517
4518	yes	-14	-1					yes	0	-3			4518
4519	yes	-24	-4					yes	-24	-4			4519
4520	no							no					4520
4521	yes	-3	0	yes	3.75	yes	-0.23	yes	-3	0	yes	0.000136	4521
4522	yes	-29	-1					yes	-16	0			4522
4523	no							no					4523
4524	yes	-31	-2					yes	-12	-3			4524
4525	no							yes	-3	-2	yes	0.0436	4525
4526	yes	-30	-2					yes	-28	-2			4526
4527	yes	-9	-1					yes	-11	-1			4527
4528	no							no					4528
4529	yes	-26	-2					yes	-22	-2			4529
4530	yes	-34	-1					yes	-31	-1			4530
4531	yes	-36	-3					yes	-34	-2			4531
4532	yes	-3	-1	yes	4.11	yes	-0.1	yes	-18	-2			4532
4533	yes	-7	-1					yes	-8	0			4533
4534	no							no					4534
4535	yes	-26	-4					yes	-24	-4			4535
4536	no							yes	-7	-2			4536
4537	yes	0	-1	yes	0.79	yes	2.04	yes	-13	-2			4537
4538	yes	-10	0					no					4538
4539	yes	-7	-1					yes	-4	0	yes	2.71	4539
4540	yes	-14	-2					yes	-11	-1			4540
4541	yes	-5	-2	yes	3.16	yes	-0.84	yes	-9	-2			4541
4542	no							no					4542
4543	no							no					4543
4544	yes	-17	-2					yes	-11	-1			4544
4545	no							no					4545
4546	no							no					4546
4547	yes	-18	-2					yes	-3	-1	yes	-0.0652	4547
4548	yes	-32	-2					yes	-32	-2			4548
4549	no							no					4549
4550	yes	-3	-1	yes	0.1	yes	2.08	yes	-4	0	yes	-0.0627	4550
4551	no							yes	-20	-2			4551

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4552	no							no					4552
4553	yes	0	-2	yes	0.00855	yes	2.72	yes	-1	-2	yes	2.46	4553
4554	no							no					4554
4555	yes	-4	-1	yes	0.17	yes	-0.56	yes	-20	-1			4555
4556	yes	-6	-2					yes	-3	0	yes	2.22	4556
4557	no							yes	-6	-1			4557
4558	no							yes	0	0	yes	2.92	4558
4559	no							no					4559
4560	yes	-5	-1	yes	1.38	yes	-0.26	yes	-4	-1	yes	3.37	4560
4561	yes	-14	-1					yes	-14	-1			4561
4562	no							yes	-2	-2	yes	0.0401	4562
4563	yes	-22	-2					yes	-26	-2			4563
4564	yes	0	-1	yes	2.16	yes	0.83	yes	-2	-1	yes	0.78	4564
4565	yes	-11	-2					yes	-9	-2			4565
4566	yes	-8	-1					yes	0	-2	yes	0.12	4566
4567	yes	-13	-3					yes	-12	-3			4567
4568	yes	-28	-3					yes	-20	-3			4568
4569	yes	-3	-1	yes	0.36	yes	0.57	yes	-1	-1	yes	-0.66	4569
4570	yes	-5	-1	yes	2.4	no		yes	-11	-1			4570
4571	yes	-4	-3					yes	-4	-3			4571
4572	yes	-27	-1					yes	-27	-1			4572
4573	no							no					4573
4574	no							no					4574
4575	no							no					4575
4576	yes	-16	-2					yes	-7	-1			4576
4577	yes	-12	-3					yes	-21	-4			4577
4578	no							yes	0	-2	yes	2.67	4578
4579	yes	-34	-4					yes	-8	-3			4579
4580	no							no					4580
4581	yes	-9	-1					yes	-9	-1			4581
4582	no							no					4582
4583	no							no					4583
4584	yes	-2	-3					yes	-3	-3			4584
4585	no							no					4585
4586	yes	0	-2	yes	1	yes	-0.99	yes	-10	-3			4586
4587	yes	-32	-4					yes	-29	-3			4587
4588	yes	-6	-1					yes	-3	-1	yes	1.49	4588
4589	yes	-4	-1	yes	1.82	yes	0.99	yes	-4	-1	yes	0.2	4589
4590	no							no					4590
4591	yes	-19	-2					yes	-19	-3			4591
4592	yes	-12	-3					yes	-12	-3			4592

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4593	yes	-11	-1					yes	-11	-1			4593
4594	yes	-29	-4					yes	-16	-4			4594
4595	yes	-12	-1					yes	-15	-1			4595
4596	yes	-7	-1					yes	0	-4			4596
4597	no							no					4597
4598	yes	-23	-4					no					4598
4599	yes	-19	-1					yes	-14	-1			4599
4600	yes	-1	-4					yes	-1	-5			4600
4601	yes	-28	-4					yes	-22	-4			4601
4602	yes	-3	-2	yes	rejected			yes	-3	-2	yes	-0.0224	4602
4603	yes	-11	-1					yes	-10	-1			4603
4604	yes	-20	-2					yes	-4	-1	yes	-0.39	4604
4605	yes	0	-1	yes	1.48	yes	1.75	yes	0	-1	yes	1.81	4605
4606	yes	-1	-2	yes	1.99	yes	-0.0349	yes	-1	-2	yes	1.96	4606
4607	no							no					4607
4608	no							no					4608
4609	yes	0	-1	yes	1.92	yes	0.59	yes	0	-1	yes	2.43	4609
4610	yes	-14	-3					yes	-21	-3			4610
4611	yes	-10	-4					yes	-5	-4			4611
4612	no							no					4612
4613	yes	-8	-2					yes	-1	-3			4613
4614	yes	-4	-2	yes	1.2	yes	0.19	yes	-5	-1	yes	2.17	4614
4615	yes	-5	-2	yes	0.14	yes	2.18	yes	-6	-2			4615
4616	yes	0	-2	yes	-0.3	yes	-1.05	yes	-3	-4			4616
4617	yes	-3	-1	yes	0.38	yes	-0.65	yes	-3	-2	yes	-0.53	4617
4618	no							yes	-1	-3			4618
4619	yes	-16	-2					yes	-15	-2			4619
4620	yes	-10	-2					yes	-10	-2			4620
4621	no							no					4621
4622	yes	-32	-2					yes	-30	-3			4622
4623	yes	-27	-4					yes	-25	-4			4623
4624	no							no					4624
4625	no							yes	-14	-1			4625
4626	yes	-30	-2					yes	-8	-1			4626
4627	yes	-4	-3					yes	-1	-3			4627
4628	yes	-19	-1					yes	-8	-1			4628
4629	yes	-18	-3					yes	-17	-3			4629
4630	yes	-27	-1					yes	-20	-1			4630
4631	no							yes	-12	-1			4631
4632	yes	-8	-1					yes	-9	-1			4632
4633	yes	-6	-1					yes	-7	-2			4633

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4634	no							no					4634
4635	no							no					4635
4636	no							no					4636
4637	yes	-1	-1	yes	3.81	yes	1.9	no	-29	-2			4637
4638	yes	-28	-2					yes	-25	-2			4638
4639	no							yes	0	-1	yes	1.72	4639
4640	yes	0	0	yes	-0.47	yes	-0.13	yes	-14	-1			4640
4641	yes	-14	-1					yes					4641
4642	yes	-6	-3					no	-6	-2			4642
4643	yes	-3	-3					yes	-26	-5			4643
4644	yes	-30	-5					yes	0	-1	yes	2.97	4644
4645	yes	0	-1	yes	-0.14	yes	-0.37	yes	0	-3			4645
4646	yes	-6	-3					yes	-2	-3			4646
4647	yes	-5	-3					yes	-22	-2			4647
4648	no							no	-20	-3			4648
4649	yes	-28	-2					yes	-4	-1	yes	0.0743	4649
4650	yes	-24	-4					yes	-3	0	yes	1.71	4650
4651	yes	-4	-1	yes	1.27	yes	1.95	yes	-32	-5			4651
4652	yes	-26	-1					yes	-2	-3			4652
4653	yes	-29	-5					yes	-20	-2			4653
4654	yes	-2	-3					yes	-9	0			4654
4655	no							yes	-4	-1	yes	1.32	4655
4656	yes	-13	0					no	-3	0	yes	0.11	4656
4657	no							yes	0	-2	yes	2.68	4657
4658	yes	-4	-1	yes	1.38	yes	3.07	yes	-4	-2	yes	-0.0945	4658
4659	yes	-4	-1	yes	0.54	yes	3.16	no					4659
4660	yes	0	-3					yes	-30	-3			4660
4661	yes	-5	-2	yes	0.92	yes	1.34	no					4661
4662	no							yes	-3	-1	yes	-0.38	4662
4663	no							no					4663
4664	no							yes	-3	-1	yes	2.61	4664
4665	yes	-2	-2	yes	-0.15	yes	-0.39	no					4665
4666	no							yes	-4	-1	yes	3.03	4666
4667	yes	-27	-2					yes	0	-1	yes	-0.49	4667
4668	yes	-4	-1	yes	-0.46	yes	-0.63	yes	-1	-1			4668
4669	yes	-1	-1	yes	0.82	yes	0.2	yes	-7	-3			4669
4670	yes	-29	-2					yes	-7	-1			4670
4671	yes	-8	-1					yes					4671
4672	yes	-4	-1	yes	3.08	yes	4.5	no	-8	-1			4672
4673	yes	-8	-1					yes					4673
4674	no							no					4674

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4675	no							yes	-14	-1			4675
4676	no							yes	-11	-3			4676
4677	yes	-32	-2					yes	-28	-2			4677
4678	yes	-5	-1	yes	4.45	no		yes	-4	-1	yes	3.91	4678
4679	yes	-34	-2					yes	-9	-2			4679
4680	yes	-1	-2	yes	2.12	yes	-0.27	yes	-3	0	yes	rejected	4680
4681	yes	0	-1	yes	2.25	yes	1.58	yes	0	-1	yes	-0.22	4681
4682	yes	-32	-4					yes	-25	-3			4682
4683	yes	-27	-2					yes	-30	-2			4683
4684	yes	0	-1	yes	1.69	yes	2.46	yes	0	-1	yes	1.87	4684
4685	yes	-15	-3					yes	-19	-3			4685
4686	yes	0	-1	yes	0.13	yes	2.15	yes	0	-1	yes	2.31	4686
4687	yes	-12	-1					yes	-3	-1	yes	3.72	4687
4688	no							no					4688
4689	yes	-13	-2					yes	-2	-1	yes	1.61	4689
4690	yes	-4	-1	yes	2.84	yes	1.07	yes	-3	0	yes	0.6	4690
4691	no							no					4691
4692	yes	-10	-3					yes	-10	-4			4692
4693	yes	-11	-2					no					4693
4694	yes	-12	-1					yes	-1	-1	yes	-0.6	4694
4695	yes	-5	-4					yes	-4	-4			4695
4696	no							yes	-11	-2			4696
4697	yes	-26	-1					yes	-19	-1			4697
4698	yes	-36	-3					yes	-31	-2			4698
4699	no							no					4699
4700	yes	-10	-2					yes	-11	-2			4700
4701	yes	-35	-1					yes	-29	-2			4701
4702	yes	-19	0					yes	-19	0			4702
4703	yes	-10	-1					yes	-4	-1	yes	0.17	4703
4704	yes	-35	-3					yes	-31	-3			4704
4705	yes	0	-1	yes	0.12	yes	1.46	yes	0	-1	yes	-0.0675	4705
4706	no							no					4706
4707	yes	-28	-2					yes	-28	-2			4707
4708	yes	-25	-1					yes	-24	-1			4708
4709	yes	-27	-2					yes	-26	-2			4709
4710	yes	-27	-2					yes	-23	-3			4710
4711	yes	-17	-1					no					4711
4712	yes	0	-2	yes	2.39	yes	0.89	yes	0	-2	yes	-0.24	4712
4713	no							yes	-33	-2			4713
4714	no							no					4714
4715	no							no					4715

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4716	yes	-22	-3					yes	-22	-3			4716
4717	no							no					4717
4718	yes	0	-1	yes	1.25	yes	0.35	yes	0	-1	yes	0.16	4718
4719	yes	-17	-1					yes	-18	0			4719
4720	no							yes	-17	-3			4720
4721	no							no					4721
4722	yes	-2	-1	yes	4	yes	4.61	yes	-5	0	yes	0.1	4722
4723	yes	-23	-1					yes	-10	0			4723
4724	no							no					4724
4725	no							no					4725
4726	no							yes	-12	-4			4726
4727	yes	-15	-3					no					4727
4728	yes	-7	-1					no					4728
4729	no							no					4729
4730	yes	-11	-2					yes	-8	-2			4730
4731	yes	-18	-2					yes	-2	0	yes	0.72	4731
4732	yes	-9	-2					yes	-3	0	yes	3.42	4732
4733	yes	-29	-1					yes	-29	-1			4733
4734	yes	-4	-1	yes	-0.94	yes	-0.31	yes	-7	-1			4734
4735	yes	-17	-1					yes	-22	-1			4735
4736	yes	0	-1	yes	3.05	yes	-0.32	yes	0	-3			4736
4737	yes	-3	-1	yes	1.25	yes	0.4	yes	-3	-1	yes	1.56	4737
4738	no							no					4738
4739	no							yes	-16	-1			4739
4740	yes	-15	-3					yes	-10	-3			4740
4741	no							yes	-3	-3			4741
4742	no							no					4742
4743	yes	-27	-1					no					4743
4744	yes	-1	-1	yes	2.27	yes	3.97	yes	-2	-1	yes	-0.11	4744
4745	yes	-2	-1	yes	2.85	yes	1.63	yes	-3	0	yes	3.7	4745
4746	no							no					4746
4747	yes	-18	0					yes	-23	0			4747
4748	no							yes	-5	-1	yes	0.17	4748
4749	yes	-16	-2					yes	0	-1	yes	2.77	4749
4750	no							yes	-27	-2			4750
4751	yes	0	-3					yes	0	-3			4751
4752	no							no					4752
4753	yes	-4	-1	yes	-0.48	yes	0.46	yes	-3	-1	yes	2.04	4753
4754	yes	-20	-1					yes	-11	-1			4754
4755	yes	-23	-3					yes	-4	-2	yes	1.78	4755
4756	yes	-11	-2					yes	-10	-2			4756

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4757	yes	-18	0					yes	-15	0			4757
4758	yes	-3	-2	yes	1.32	yes	-0.72	yes	-3	-2	yes	0.58	4758
4759	no							no					4759
4760	yes	-3	0	yes	0.35	yes	-0.44	yes	-3	0	yes	-0.27	4760
4761	yes	-23	-2					yes	-9	-1			4761
4762	no							no					4762
4763	yes	-32	-2					yes	-31	-2			4763
4764	yes	-35	-2					yes	-28	-3			4764
4765	yes	-9	-1					yes	-4	0	yes	3.84	4765
4766	no							no					4766
4767	yes	-28	-2					yes	-27	-2			4767
4768	yes	-4	-1	yes	0.23	yes	3.07	yes	-7	-4			4768
4769	yes	-4	-1	yes	-0.2	yes	0.18	yes	-13	-1			4769
4770	yes	-28	-3					yes	-11	-1			4770
4771	yes	-5	-3					yes	-5	-3			4771
4772	no							no					4772
4773	no							no					4773
4774	yes	0	-1	yes	1.76	no		yes	0	-1	yes	-0.16	4774
4775	yes	-9	-1					no					4775
4776	yes	-32	-4					yes	-32	-4			4776
4777	yes	-30	-5					yes	-15	-2			4777
4778	yes	-3	-4					yes	-3	-4			4778
4779	yes	-1	-4					yes	-1	-4			4779
4780	yes	-32	-4					yes	-26	-4			4780
4781	yes	-19	-3					no					4781
4782	yes	-3	-2	yes	-0.48	yes	-0.91	yes	-3	-2	yes	-0.97	4782
4783	yes	-5	-2	yes	3.05	yes	-0.13	yes	0	-1	yes	0.39	4783
4784	yes	-6	-1					yes	-3	0	yes	2.57	4784
4785	yes	-5	-1	yes	2.35	yes	2.25	yes	0	-2	yes	4.75	4785
4786	yes	-5	-2	yes	2.5	yes	1.51	yes	-3	-2	yes	0.57	4786
4787	yes	-15	-4					yes	-15	-5			4787
4788	yes	-29	-2					yes	-11	0			4788
4789	yes	-19	-3					yes	-13	-4			4789
4790	no							yes	-32	-2			4790
4791	yes	0	0	yes	-0.49	yes	1.86	yes	-2	0	yes	-0.7	4791
4792	yes	-4	-2	yes	rejected			no					4792
4793	yes	-26	-1					no					4793
4794	yes	-3	-3					yes	-3	-3			4794
4795	no							no					4795
4796	yes	-28	-3					yes	-28	-2			4796
4797	yes	-3	-3					yes	0	-3			4797

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4798	yes	-5	0	yes	1.49	yes	-0.41	yes	-3	0	yes	4.16	4798
4799	yes	-7	-1					yes	-5	-2	yes	2.68	4799
4800	yes	-28	-2					yes	-25	-2			4800
4801	yes	-14	-4					yes	-17	-3			4801
4802	no							no					4802
4803	yes	-29	-1					yes	-16	-1			4803
4804	yes	-23	-3					yes	-28	-3			4804
4805	yes	-31	-2					yes	-29	-2			4805
4806	yes	-1	-3					yes	0	-3			4806
4807	no							no					4807
4808	yes	-28	-2					yes	-23	-2			4808
4809	yes	-33	-5					yes	-6	-2			4809
4810	yes	-1	-2	yes	-0.035	yes	2.48	yes	-3	-2	yes	-0.0586	4810
4811	yes	-12	-1					yes	-12	-1			4811
4812	yes	-3	-1	yes	-0.48	yes	1.92	yes	-7	-1			4812
4813	yes	-6	-2					yes	-9	-2			4813
4814	yes	0	-1	yes	3.67	yes	1.31	yes	0	-1	yes	1.14	4814
4815	no							yes	-28	-1			4815
4816	yes	-8	-1					yes	-7	-1			4816
4817	yes	-14	-2					yes	-10	-2			4817
4818	yes	-13	-3					yes	-8	-4			4818
4819	yes	-2	0	yes	3.54	no		yes	-2	0	yes	1.31	4819
4820	yes	-27	-2					yes	-25	-1			4820
4821	yes	-28	-2					yes	-27	-2			4821
4822	yes	-18	-2					yes	-18	-2			4822
4823	yes	-4	-1	yes	2.6	yes	1.99	yes	-3	-1	yes	-0.25	4823
4824	yes	-35	-1					yes	-17	-1			4824
4825	yes	-2	-1	yes	0.0147	yes	1.83	no					4825
4826	yes	-11	-1					yes	-8	-1			4826
4827	yes	-6	-1					yes	-7	-1			4827
4828	yes	-1	-3					yes	-2	-4			4828
4829	no							yes	-3	-3			4829
4830	yes	-5	-1	yes	0.7	yes	-0.31	yes	-3	-1	yes	-0.21	4830
4831	yes	0	-3					yes	0	-3			4831
4832	no							no					4832
4833	yes	-35	-2					yes	-33	-2			4833
4834	yes	-25	-2					yes	-26	-2			4834
4835	no							no					4835
4836	yes	-13	-2					yes	0	-1	yes	-0.17	4836
4837	yes	-4	-1	yes	-0.0389	yes	1.16	yes	-4	-1	yes	0.0679	4837
4838	no							no					4838

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4839	no							yes	-26	-2			4839
4840	no							no					4840
4841	yes	-14	-2					yes	-4	0	yes	4.06	4841
4842	yes	-3	0	yes	1.51	yes	1.41	yes	-3	-1	yes	2.61	4842
4843	no							no					4843
4844	yes	-31	-2					yes	-28	-2			4844
4845	yes	-32	-2					yes	-18	-1			4845
4846	yes	-28	-5					yes	-13	-3			4846
4847	yes	0	-3					yes	0	-2	yes	-0.48	4847
4848	yes	0	-1	yes	-0.0936	yes	2.14	yes	0	-1	yes	1.89	4848
4849	yes	-4	-1	yes	0.16	yes	1.42	yes	-19	-4			4849
4850	yes	-3	-1	yes	0.87	yes	-0.52	yes	-3	-1	yes	-0.56	4850
4851	yes	-3	-1	yes	2.65	yes	3.63	yes	-10	0			4851
4852	yes	-32	-3					yes	-27	-2			4852
4853	yes	-7	-1					yes	-8	-1			4853
4854	no							yes	0	-1	yes	1.65	4854
4855	yes	-29	-2					yes	-6	-1			4855
4856	yes	-11	0					yes	-11	-2			4856
4857	yes	-3	0	yes	3.72	yes	1.54	yes	-5	0	yes	-0.11	4857
4858	yes	-4	-1	yes	-0.69	yes	-1.22	yes	-6	-2			4858
4859	yes	-12	-1					yes	-11	-1			4859
4860	yes	-4	-1	yes	1.45	no		no					4860
4861	yes	-34	-5					yes	-16	-2			4861
4862	yes	-28	-4					yes	-22	-3			4862
4863	yes	-30	-3					yes	-28	-3			4863
4864	yes	-12	-2					yes	-14	-2			4864
4865	yes	-10	-1					yes	-15	0			4865
4866	no							yes	-7	-1			4866
4867	no							no					4867
4868	yes	-31	-4					yes	-31	-4			4868
4869	yes	-5	-2	yes	3.05	yes	1.47	yes	-5	-2	yes	-0.03	4869
4870	yes	-10	-2					yes	-8	-2			4870
4871	yes	-30	0					yes	-15	-1			4871
4872	no							no					4872
4873	yes	-3	-1	yes	-0.0665	yes	-0.54	yes	-4	-2	yes	-0.0972	4873
4874	yes	-1	-3					yes	-3	-4			4874
4875	yes	-4	-2	yes	1.3	yes	1.8	yes	-5	-2	yes	-0.36	4875
4876	yes	-9	0					yes	-8	0			4876
4877	yes	-27	-2					yes	-26	-2			4877
4878	yes	-5	-4					yes	-5	-4			4878
4879	yes	-3	-2	yes	0.33	no		yes	-3	0	yes	0.01	4879

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4880	yes	-2	-1	yes	2.26	no		no					4880
4881	yes	-1	-2	yes	-0.14	yes	-0.27	yes	-3	0	yes	0.52	4881
4882	no							no					4882
4883	no							yes	-28	-2			4883
4884	yes	-13	-1					yes	-13	-1			4884
4885	yes	-2	-3					yes	0	-3			4885
4886	no							no					4886
4887	yes	-21	-2					yes	-20	-2			4887
4888	yes	-10	0					yes	-4	-1	yes	2.29	4888
4889	yes	-7	-2					yes	-4	0	yes	1.61	4889
4890	yes	-29	-3					yes	-19	-1			4890
4891	no							yes	-29	-2			4891
4892	yes	-4	-1	yes	-0.42	yes	-0.65	no					4892
4893	yes	0	-1	yes	-0.21	yes	-0.23	yes	-2	-3			4893
4894	yes	-31	-3					yes	-30	-2			4894
4895	no							no					4895
4896	yes	-29	-2					yes	-20	-1			4896
4897	yes	-36	-2					yes	-27	-2			4897
4898	no							no					4898
4899	yes	-3	-1	yes	0.91	yes	1.31	yes	-3	-1	yes	1.16	4899
4900	yes	-29	-1					yes	-11	0			4900
4901	yes	-5	-1	yes	1.26	no		yes	-4	-1	yes	1.62	4901
4902	yes	-4	-1	yes	-0.15	no		yes	-4	-2	yes	1.03	4902
4903	no							yes	-11	-1			4903
4904	yes	-32	-2					yes	-30	-1			4904
4905	yes	-3	-1	yes	3.09	yes	3.22	yes	-3	-1	yes	0.87	4905
4906	no							no					4906
4907	yes	-3	-1	yes	-0.0963	yes	0.13	yes	-3	-1	yes	2.72	4907
4908	yes	-25	-3					yes	-31	-3			4908
4909	yes	-9	-1					yes	-9	-1			4909
4910	yes	0	-3					yes	0	-3			4910
4911	yes	-18	-1					yes	-8	-1			4911
4912	yes	-3	-2	yes	3.2	yes	-0.25	yes	-10	-2			4912
4913	yes	-2	-3					yes	-2	-3			4913
4914	yes	-4	-1	yes	-0.8	yes	1.09	yes	-4	-1	yes	-0.29	4914
4915	no							no					4915
4916	yes	-16	-3					no					4916
4917	yes	-15	-1					yes	-21	-1			4917
4918	no							no					4918
4919	no							no					4919
4920	yes	-7	-3					yes	-8	-3			4920

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off				Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4921	yes	-16	-2					yes	-11	-1			4921
4922	yes	0	-1	yes	-0.29	yes	3.23	yes	-3	0	yes	-0.53	4922
4923	yes	-20	-4					yes	-19	-4			4923
4924	yes	-29	-2					yes	-29	-2			4924
4925	yes	-33	-3					yes	-25	-4			4925
4926	yes	-22	-1					yes	-7	-2			4926
4927	yes	-34	-3					yes	-32	-2			4927
4928	no							yes	-6	-3			4928
4929	yes	-23	-1					yes	-14	-1			4929
4930	no							no					4930
4931	yes	-8	-4					yes	-11	-4			4931
4932	no							no					4932
4933	yes	-24	-2					yes	-10	-1			4933
4934	no							no					4934
4935	no							yes	-8	-1			4935
4936	no							no					4936
4937	no							yes	-3	-3			4937
4938	yes	-4	-3					yes	-4	-3			4938
4939	yes	-2	-1	yes	0.0809	yes	1.79	yes	-2	-2	yes	1.8	4939
4940	no							no					4940
4941	yes	-34	-3					no					4941
4942	yes	-10	-1					yes	-3	-1	yes	-0.52	4942
4943	yes	-11	-1					yes	-10	-1			4943
4944	yes	-30	-2					yes	-30	-2			4944
4945	yes	-25	-3					no					4945
4946	yes	-13	-3					yes	-11	-3			4946
4947	yes	-36	-2					yes	-12	-2			4947
4948	yes	-3	0	yes	1.91	yes	0.93	yes	-3	0	yes	1.89	4948
4949	no							yes	-27	-3			4949
4950	no							yes	-11	-1			4950
4951	yes	-26	-2					yes	-5	-4			4951
4952	yes	0	-1	yes	1.5	no		yes	0	-1	yes	2.37	4952
4953	no							no					4953
4954	yes	-3	-2	yes	0.58	yes	0.24	yes	-4	-2	yes	1.2	4954
4955	no							no					4955
4956	yes	-36	-1					yes	-30	-2			4956
4957	no							no					4957
4958	yes	-25	-2					yes	-22	-3			4958
4959	no							yes	-7	-2			4959
4960	yes	-23	-3					yes	-21	-3			4960
4961	yes	-31	-2					yes	-9	-3			4961

Iteration	Basecase B					Phyto Edge B		Basecase B Kh4off					Iteration
	MODFLOW Converged	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	MT3D Successful	MT3D Mass Balance	MODFLOW Successful	# of Head Targets out of Calibration	# of Flux Targets out of Calibration	MT3D Successful	MT3D Mass Balance	
4962	yes	-12	-3					yes	-7	-3			4962
4963	no							yes	-14	-3			4963
4964	yes	-11	-3					yes	-10	-3			4964
4965	yes	-34	-4					yes	-27	-1			4965
4966	yes	-3	0	yes	2.75	yes	1.97	yes	-3	0	yes	2.08	4966
4967	yes	-1	-1	yes	2.19	yes	0.16	yes	-1	-1	yes	0.85	4967
4968	no							yes	-27	-2			4968
4969	no							no					4969
4970	yes	-7	-1					yes	-7	-1			4970
4971	no							no					4971
4972	no							yes	-15	0			4972
4973	yes	-16	-1					yes	-8	0			4973
4974	no							no					4974
4975	yes	-12	0					yes	-17	0			4975
4976	no							no					4976
4977	yes	-26	-2					yes	-9	-3			4977
4978	yes	-3	-2	yes	1.67	yes	2.99	yes	-3	-1	yes	4.16	4978
4979	yes	-4	-1	yes	1.45	yes	-0.11	yes	-5	-1	yes	0.0533	4979
4980	yes	-3	-1	yes	-0.00816	yes	0.76	yes	-3	-1	yes	-0.0701	4980
4981	yes	-10	-1					yes	-3	-2	yes	2.43	4981
4982	yes	-3	-1	yes	2.39	no		no					4982
4983	yes	-6	-1					yes	-4	-1	yes	1.95	4983
4984	no							no					4984
4985	yes	-25	-2					no					4985
4986	yes	-33	-2					yes	-30	-2			4986
4987	no							yes	-17	-4			4987
4988	yes	-33	-1					no					4988
4989	no							no					4989
4990	no							no					4990
4991	yes	-3	-3					yes	-2	-4			4991
4992	yes	-12	-3					yes	-11	-3			4992
4993	yes	-7	-1					yes	-16	-1			4993
4994	yes	-18	-1					no					4994
4995	no							no					4995
4996	no							no					4996
4997	yes	-20	-1					yes	-7	-1			4997
4998	yes	-4	-1	yes	1.07	yes	0.5	yes	-4	-1	yes	0.19	4998
4999	yes	-9	-3					yes	-1	-3			4999
5000	yes	-24	-1					yes	-5	-1	yes	0.28	5000