

Closure Plan Narrative for Winyah Generating Station's New Class 3 CCR Landfill Area 1

40 CFR Part 257 Operating Criteria §257.1 02(b)



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Revision and Copy Control

Revision No.	Date	Reason for Change
0	November 1, 2018	Original document created to comply with CCR Rule
1	August 9, 2021	Addition of Appendix B which is supplemental to the original closure plan to provide details for an alternative final cover. The Discussion section in the narrative below has been updated to reflect this addition.



1. INTRODUCTION

The United States Environmental Protection Agency (EPA) promulgated regulations (40 CFR Part 257) regarding coal combustion residuals (CCRs). The CCR rule was published in the Federal Register on April 17, 2015 and became effective on October 19, 2015. The Class Three CCR Landfill is subject to the CCR Rule as a new landfill as defined in 40 CFR §257.53. A requirement of the CCR rule is to prepare a written closure plan (§257.102(b)) for new CCR landfills. This plan must be placed in the facility operating record no later than the date of the initial receipt of CCR in the CCR unit as required by §257.102(b)(2)(ii). The owner or operator may amend the initial or any subsequent written closure plan at any time per §257.102(b)(3)(i).

This document serves as certification that the written closure plan for the new CCR landfill Area 1 at Winyah Generating Station in Georgetown, South Carolina meets the requirements of §257.102(b). The closure plan is documented in the Winyah Generating Station Class Three Landfill Permit Application approved by the South Carolina Department of Health and Environmental Control (DHEC) on 15 September 2017 (Permit #LF3-00042). The written closure plan meets the requirements of the South Carolina solid waste management regulation R.61-107.19 as certified by the design engineer-of-record, Scott M. Graves, P.E., Geosyntec Consultants, Inc and is provided as Appendix A. The South Carolina Department of Health and Environmental Control issued a permit to construct on September 15, 2017 with an effective date of September 30, 2017. A closure plan supplement for an alternative final cover option was prepared and certified by the design engineer-of-record, Scott M. Graves, P.E., Geosyntec Consultants, Inc and is provided as Appendix B. The South Carolina Department of Health and Environmental Control issued approval for this alternative final cover system on September 4, 2020.

2. DISCUSSION

Title 40 CFR §257.102(b)(l) requires that the owner or operator of a CCR unit must prepare a written closure plan that describes the steps necessary to close the CCR unit at any point during the active life of the CCR unit consistent with recognized and generally accepted good engineering practices. The written closure plan must include, at a minimum the information listed below:

257.102(b)(1)(i) A narrative description of how the CCR unit will be closed in accordance with this section

Refer to Section 5 of Appendix A for a narrative description of how the new Class Three CCR Landfill Area 1 will be closed. In general, the final cover system will be installed in phases as CCR waste placement reaches threshold elevations that generally correspond to each bench elevation. Over time, this phased approach will reduce the exposed surface of the waste, reduce the leachate generation, and minimize the remaining area to be closed upon final receipt of waste.

257.102(b)(1)(ii) If the closure of the CCR unit will be accomplished through removal of CCR



from the CCR unit, a description of the procedures to remove the CCR and decontaminate the CCR unit in accordance with paragraph (c) of this section

The above requirement is not applicable, as the closure will not be accomplished by removal of CCR.

257.102(b)(1)(iii) If closure of the CCR unit will be accomplished by leaving CCR in place, a description of the final cover system, designed in accordance with paragraph (d) of this section, and the methods and procedures to be used to install the final cover. The closure plan must also discuss how the final cover system will achieve the performance standards specified in paragraph (d) of this section

Paragraph (d) of this section (§257.102(d)(1) through (3)) specifies the minimum performance standards for closure when leaving CCR in place, including:

(1) The owner or operator of a CCR unit must ensure that, at a minimum, the CCR unit is closed in a manner that will:

(1)(i) Control, minimize or eliminate, to the maximum extent feasible, post-closure infiltration of liquids into the waste and releases of CCR, leachate, or contaminated run-off to the grounds or surface waters or to the atmosphere;

Per Sections 2 of Appendices A & B, all final cover system alternatives are designed to provide a maximum permeability less than or equal to the bottom liner system of the landfill, to minimize stormwater infiltration through the closed landfill, and to resist erosive forces. This will minimize post-closure infiltration of liquids into the waste and releases of CCR, leachate, or contaminated run-off to the ground or surface waters or to the atmosphere.

(1)(ii) Preclude the probability of future impoundment of water, sediment, or slurry;

Per Section 2 of Appendix A, the final cover system shall promote positive drainage with final design grades of the top surface inclined at a nominal 3 to 5 percent slope. This will prevent the impoundment of water, sediment, or slurry. Per Section 5 of Appendix B, the alternative final cover option provides equivalent hydraulic barrier performance to the standard final cover system.

(1)(iii) Include measures that provide for major slope stability to prevent the sloughing or movement of the final cover system during the closure and post-closure care period:

Per Section 2 of Appendix A, the side slopes will not exceed three horizontal fect to one vertical foot (3H:1V). Furthermore, slope stability analyses have been performed on



the permitted final cover system described in this closure plan (including all system components and the maximum side slopes) to ensure that sloughing or movement of the final cover system will not occur during the closure and post-closure care periods. Per Section 5 of Appendix B, the alternative final cover option provides equivalent erosion resistance performance to the standard final cover system.

(1)(iv) Minimize the need for further maintenance of the CCR unit:

Per Section 2 of Appendix A, the uppermost component of the Standard Final Cover System includes a soil layer capable of supporting native vegetation. Per Section 2 of Appendix B, the uppermost component of the alternative ClosureTurf® Final Cover System includes an engineered-turf protective layer consisting of high-density polyethylene grass blades adhered to a woven geotextile backing ballasted with a thin layer of sand infill. Both of these components will minimize erosion of waste CCR material and therefore minimize the amount of further maintenance required.

(1)(v) Be completed in the shortest amount of time consistent with recognized and generally accepted good engineering practices.

Per Section 5 of Appendix A, the final cover system will be installed in phases to minimize the time required to complete closure upon the final receipt of waste. Per Section 5.7 of Appendix A, closure must be completed must be completed within 180 days.

(2) Drainage and Stabilization of CCR surface impoundments. The owner or operator of a CCR surface impoundment or any lateral expansion of a CCR surface impoundment must meet the requirements of paragraphs (d)(2)(i) and (ii) of this section prior to installing the final cover system required under paragraph (d)(3) of this section.

The above requirement is not applicable, as the existing Class Three CCR Landfill Area 1 is not a surface impoundment.

- (3) Final cover system. If a CCR unit is closed by leaving CCR in place, the owner or operator must install a final cover system that is designed to minimize infiltration and erosion, and at a minimum, meets the requirements of paragraph (d)(3)(i) of this section, or the requirements of the alternative final cover system specified in paragraph (d)(3)(ii) of this section.
 - (3)(i) The final cover system must be designed and constructed to meet the criteria in paragraphs (d)(3)(i)(A) through (D) of this section. The design of the final cover system must be included in the written closure plan required by paragraph (b) of this section.
 - (A) The permeability of the final cover system must be less than or equal to the



permeability of any bottom liner system or natural subsoils present, or a permeability no greater than 1×10^{-5} cm/sec, whichever is less

Per Section 2 of Appendix A, final cover system Option 1(Standard Final Cover System) will provide a maximum permeability less than or equal to the bottom liner system. The Standard Final Cover System will have a permeability less than 1×10^{-5} cm/sec.

(B) The infiltration of liquids through the closed CCR unit must be minimized by the use of an infiltration layer that contains a minimum of 18 inches of earthen material

Per Section 2 of Appendix A, the Standard Final Cover System satisfies this requirement.

(C) The erosion of the final cover system must be minimized by the use of an erosion layer that contains a minimum of six inches of earthen material that is capable of sustaining native plant growth

Per Section 2 of Appendix A, the uppermost component of the Standard Final Cover System includes an 18-inch thick layer of protective soil and a 6-inch thick layer of topsoil capable of supporting native vegetation.

(D) The disruption of the integrity of the final cover system must be minimized through a design that accommodates settling and subsidence

Per Section 2 of Appendix A, post-closure differential settlement is not anticipated with this waste mass because it consists of compacted CCR material. The integrity of the Standard Final Cover System will not be disrupted due to settling or subsidence.

- (3)(ii) The owner or operator may select an alternative final cover system design, provided the alternative final cover system is designed and constructed to meet the criteria in paragraphs (f)(3)(ii)(A) through (B) of this section. The design of the final cover system must be included in the written closure plan required by paragraph (b) of this section.
 - (A) The design of the final cover system must include an infiltration layer that achieves an equivalent reduction in infiltration as the infiltration layer specified in paragraphs (d)(3)(i)(A) and (B) of this section



Per Section 5 of Appendix A, the final cover system Option 2 (Alternate Final Cover System) will provide a maximum permeability less than or equal to the bottom liner system. The Alternate Final Cover System will have a permeability less than 1 x 10-5 cm/sec and meet or exceed the performance of the Standard Final Cover System.

Per Section 5 of Appendix B, alternative final cover system Option 3 (ClosureTurf® Final Cover System) will provide a maximum permeability less than or equal to the bottom liner system. The ClosureTurf® Final Cover System will have a permeability less than 1 x 10⁻⁵ cm/sec and meet or exceed the performance of the Standard Final Cover System.

(B) The design of the final cover system must include an erosion layer that provides equivalent protection from wind or water erosion as the erosion layer specified in paragraph (d)(3)(i)(C) of this section.

Per Section 2 of Appendix A, the upper-most component of the Option 2 Alternate Final Cover System includes an 18-inch thick layer of protective soil and a 6-inch thick layer of topsoil capable of supporting native vegetation.

Per Section 5 of Appendix B, the Closure Turf® Final Cover System includes an engineered-turf protective layer consisting of high-density polyethylene grass blades adhered to a woven geotextile backing ballasted with a thin layer of sand infill. This system was demonstrated to be functionally equivalent to a standard final cover system consisting of six inches of earthen material and native vegetation with respect to erosion protection. Therefore, this requirement is met.

(C) The disruption of the integrity of the final cover system must be minimized through a design that accommodates settling and subsidence

Per Section 2 of Appendix A, post-closure differential settlement is not anticipated with this waste mass because it consists of compacted CCR. The integrity of the either Alternate Final Cover System or the ClosureTurf® Final Cover System will not be disrupted due to settling or subsidence.

(3)(iii) The owner or operator of the CCR unit must obtain a written certification from a qualified professional engineer that the design of the final cover system meets the requirement of this section



Refer to Section 4 of this document.

257.102(b)(1)(iv) An estimate of the maximum inventory of CCR ever on-site over the active life of the CCR unit.

Per Section 4 of Appendix A, an estimate of the maximum inventory of CCR ever on-site in Landfill Area 1 is 2,191,000 cubic yards.

257.102(b)(1)(v) An estimate of the largest area of the CCR unit ever requiring a final cover as required by paragraph (d) of this section at any time during the CCR unit's active life.

Per Section 3 of Appendix A, an estimate of the largest area of Landfill Area 1 ever requiring a final cover is 31.3 acres. Because the landfill will be closed in phases, this is likely a conservative estimate of the maximum area.

257.102(b)(1)(vi) A schedule for completing all activities necessary to satisfy the closure criteria in this section, including an estimate of the year in which all closure activities for the CCR unit will be completed. The schedule should provide sufficient information to describe the sequential steps that will be taken to close the CCR unit, including identification of major milestones such as coordinating with and obtaining necessary approvals and permits form other agencies, the dewatering and stabilization phases of CCR surface impoundment closure, or installation the final cover system, and the estimated timeframes to complete each step or phase of CCR unit closure. When preparing the written closure plan, if the owner or operator of a CCR unit estimates that the time required to complete closure will exceed the timeframes specified in paragraph (f)(1) of this section, the written closure plan must include the site-specific information, factors and consideration that would support any time extension sought under paragraph (f)(2) of this section.

For the purpose of this section, the schedule for completing closure is based on the permitted maximum annual CCR waste placement rate, which is 2,777,800 cubic yards. This maximum annual tonnage limit is based on the facility's design capacity (2,191,000 cubic yards), operational capacity, and expected operational life. The actual annual waste placement rate may be less, which will result in a later closure date.

Landfill Area 1 began receiving waste on or after November 1, 2018. The final cover system is anticipated to be installed in three (3) phases which is dependent on the filling rate discussed above. The first phase of closure will be initiated in the fourth quarter of 2021. The final phase of closure is anticipated to be initiated in 2024. On this basis, the schedule for completing all activities necessary to satisfy the closure criteria in this section is outlined in the table below. The first four entries apply to each partial closure increment and all entries apply to final closure:



EVENT	TIMEFRAME
Notify SC DHEC of intent to close a given increment	Just prior to receipt of final wastes within that area
Prepare closure construction plans, obtain bids, and select contractor	90 days following provision of SC DHEC notice
Construct final cover system	Within 180 days following initiation of construction
Submit closure certification to SC DHEC	60 days following construction of each increment
Place notation on the deed to the landfill facility property that the land was used as a landfill and that its use is restricted	30 days following SC DHEC issuance of landfill facility final closure

3. CONCLUSIONS

The existing permitted closure plan for the new Class Three CCR Landfill Area 1 at Winyah Generating Station in Georgetown, South Carolina, and supplemental information included in this report, satisfy the written closure plan requirements outlined in Title 40 CFR §257.102.



4. CERTIFICATION

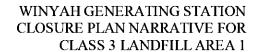
Certification for Closure Plan

Federal CCR Rule: 40 CFR §257.102

CCR Unit: WGS Class Three Landfill Area 1 - New CCR Landfill

I, the undersigned Professional Engineer registered in good standing in the State of South Carolina, do hereby certify under penalty of law that I have personally examined and am familiar with the information submitted in this demonstration, and that, based on my inquiry of the individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I certify, for the above-referenced CCR Unit, that the written closure plan contained herein is in accordance with the requirements of Title 40 CPR §257.102, and that the proposed design of the final cover system meets the requirements of Title 40 CPR §257.102(d)(3).

Seal and Signature:	Mo. 39800	<u>Ear</u> 4/9/2021
Printed Name:	_Aubree Decoteau	
P.E. License Number	35800	State of South Carolina





APPENDIX A

Permitted Closure Plan



Santee Cooper Power

1 Riverwood Drive Moncks Corner, South Carolina 29461

CLOSURE PLAN

WINYAH GENERATING STATION PERMIT APPLICATION NON-COMMERCIAL CLASS THREE LANDFILL Georgetown, South Carolina

Prepared by



Geosyntec consultants

engineers | scientists | innovators

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Project Number GSC5242

August 2016



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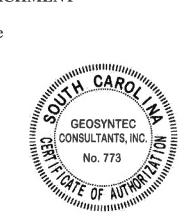
Table 2 Maximum Waste Inventory

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ATTACHMENT

Attachment A Closure Cost Estimate

No. 33535 NEEE SIONAL TO BE STATE OF THE STA





1. INTRODUCTION

1.1 Terms of Reference

This Closure Plan (Plan) has been prepared by Geosyntec Consultants (Geosyntec) for the Class Three Landfill at Santee Cooper's Winyah Generating Station (WGS) located in Georgetown County, South Carolina. Geosyntec prepared this Plan on behalf of the permit applicant — the South Carolina Public Service Authority doing business as (d.b.a.) Santee Cooper (Santee Cooper). The Class Three Landfill will be composed of two areas, referred to as "Landfill Area 1" and "Landfill Area 2". Collectively these areas are referred to as the "Class Three Landfill".

Detailed drawings illustrating the Class Three Landfill features including the components described herein are presented on the Engineering Drawings that accompany the permit application.

1.2 Purpose of This Closure Plan

This Plan serves as the Closure Plan required for Class Three Landfills by Part V, Subpart H.5.b.(15) of South Carolina Department of Health and Environmental Control (DHEC) Regulation R.61-107.19. The purpose of this Plan is to provide a description of the activities to be performed to satisfy the requirements of Part V, Subpart F, Section 258.60 of R.61-107.19. A closure cost estimate is also included, pursuant to Part I, Section E.1 of R.61-107.19.

Following DHEC approval of this Plan, Santee Cooper will amend this Plan within 60 days prior to a planned change in the operation of the Class Three Landfill that would substantially affect the approved Plan, or no later than 60 days after an unanticipated event necessitates a revision of the approved Plan. Once closure activities have commenced at the Class Three Landfill, amendments to the approved Plan will be completed no later than 30 days following the triggering event. Plan amendments will be certified by a qualified professional engineer and submitted to DHEC for review and approval prior to implementation. Any updates to this Plan, and any monitoring, testing, or analytical data as required by Part V, Subpart F, Section 258.60 of R.61-107.19, will be placed in the Class Three Landfill Operating Record.

1



1.3 Overall Contents of This Closure Plan

The remainder of this Plan provides the following:

- a description of final cover system and the methods and procedures that will be used to install the cover;
- an estimate of the largest area of the Class Three Landfill ever requiring a final cover at any time during the active life;
- an estimate of the maximum inventory of waste ever on-site over the active life of the Class Three Landfill;
- a description of the steps necessary to close all Class Three Landfill areas at any point during their active life, including the closure sequence and schedule of closure milestones, as needed to satisfy the applicable closure criteria.

Additionally, as mentioned the closure cost estimate is presented in Attachment A to this Plan.



2. FINAL COVER SYSTEM

2.1 Design

The final cover system for the Class Three Landfill is designed to:

- provide long-term minimization of infiltration of precipitation into disposed wastes within the landfill:
- promote drainage while minimizing erosion of final cover soils; and
- function with minimal maintenance over the post-closure period.

Two types of final cover system options are proposed to be allowed: (i) "Option 1", a standard (prescriptive) final cover system for Class Three Landfills having liner systems, and meeting the requirements of Subpart F, Section 258.60.k; and (ii) "Option 2", an alternative composite liner design as allowed by 258.60.b (that has a composite cover barrier infiltration layer that achieves an equivalent reduction in infiltration as the prescribed infiltration layer and thereby meets or exceeds the environmental and public health protection standards). The components of each option are presented below.

Final Cover System – Option 1 (from top to bottom):

- a 2-ft thick layer of soil capable of supporting native vegetation (further subdivided into an upper 6-inch thick topsoil layer and a lower 18-inch thick protective cover soil layer);
- a geocomposite drainage layer (geotextile filters bonded to both sides of a geonet drainage core);
- a flexible membrane liner (FML), which will be a 20-mil (minimum) thick linear low-density polyethylene (LLDPE) geomembrane liner, textured on both sides; and
- an 18-inch thick infiltration layer of compacted soil with a maximum hydraulic conductivity of 1 x 10⁻⁵ cm/sec and capable of providing a suitable foundation for the FML.



<u>Final Cover System – Option 2</u> (from top to bottom):

- a 2-ft thick layer of soil capable of supporting native vegetation (further subdivided into an upper 6-inch thick topsoil layer and a lower 18-inch thick protective cover soil layer);
- a geocomposite drainage layer (geotextile filters bonded to both sides of a geonet drainage core);
- a flexible membrane liner (FML), which will be a 20-mil (minimum) thick LLDPE geomembrane liner, textured on both sides; and
- a needlepunched reinforced geosynthetic clay liner (GCL) infiltration layer.

Inspection of the above shows that both final cover system options will use the same components from the FML and above. The alternative final cover system (Option 2) uses a GCL infiltration layer in place of the prescribed (Option 1) 18-inches of low permeability compacted soil infiltration layer.

It is also noted that the final cover system does not include a gas management layer or layers, or other gas management system design. As discussed in the Engineering Report and O&M Plan, the large majority of the wastes that will be disposed of at the facility are coal combustion product (CCP) wastes. The wastes will be non-putrescible and not of a type expected to biodegrade; municipal solid waste will not be accepted. Thus, the composition of the waste that will be disposed at the landfill is not expected to generate methane or other explosive landfill gases.

The landfill cover will have a nominal sideslope of 3 horizontal to 1 vertical (3H:1V) between drainage terraces, and with top surface slopes (top-deck areas) inclined at a nominal 3 to 5 percent slope. Drainage terraces and downdrain pipe features will be constructed to intercept storm water and convey it to the perimeter drainage channels. This drainage terraces are designed to ensure that the hydraulic head at any point in the terrace does not exceed one foot for a 24-hour period as the result of a 24-hr, 25-year storm event.

Santee Cooper Winyah Generating Station Class Three Landfill Permit Application Closure Plan



2.2 Construction

Installation of the final cover system shall be performed in accordance with the design presented on the Engineering Drawings and the standards outlined in Technical Specifications pertaining to the final cover components, which are included as part of the permit application. These specifications include the required material properties, as well as construction/installation requirements. Further, third-party construction quality assurance (CQA) shall be performed during final closure in order to ensure that the final cover system is completed in accordance with applicable requirements and as set forth in the CQA Plan included as part of the permit application. The CQA Plan provides the requirements for monitoring, testing, and documenting the materials and construction/installation of the final cover system components.

The materials to be used for construction of the final cover system soil components will be obtained from either on-site and/or off-site borrow areas. The source(s) will be selected based on ability to provide material conforming to project specifications, availability of the required volumes and proximity to the landfill. Appendix B of the Engineering Report provides an estimate of the total landfill final cover surface areas, and resulting estimated final cover system soil quantities.

A schedule of required closure activities, including construction notification and certification, is provided subsequently in Section 5 of this Plan.



3. ESTIMATE OF LARGEST AREA REQUIRING FINAL COVER

The Class Three Landfill is composed of two distinct areas (Landfill Area 1 and Landfill Area 2). The final cover system for each area will be constructed incrementally in phases as cells/phases of filling are brought to final grade. Initially, the lower elevations of outer sideslopes of a given area or portion thereof will be brought to final grades and will receive a final cover; followed later by installing final cover on the upper sideslopes, and finally the top deck. In this manner, the maximum area requiring final closure at the Class Three Landfill at any given point in time can be kept to a fraction of the total acreage permitted for landfilling.

The total landfill areas, and an estimate of the largest area of the Class Three Landfill ever requiring final cover at a given time at any time during the active life is summarized below in Table 1.

Table 1
Final Cover Areas

Class Three Landfill Area	Total Area (acres)	Largest Area Requiring Final Cover at Any Time (acres)
Landfill Area 1	31.3	31.3 ⁽¹⁾
Landfill Area 2	75.3	31.0 ⁽²⁾
Total	106.6	31.3 ⁽³⁾

Notes:

- (1) Largest area of Landfill Area 1 that could require closure at any time is estimated to occur soon after initial operations, when all cells are open and no incremental closures have taken place.
- (2) Largest area of Landfill Area 2 that could require closure at any time is estimated to be during the early waste placement activities in Cells 4 and 5, when no incremental closures have taken place.
- (3) Landfill Areas 1 and 2 will not have their largest areas open simultaneously. The "Total" largest area value is the larger of the two areas.

A series of landfilling progression drawings are included with the Engineering Drawings that accompany the permit application. These drawings illustrate the approximate phased construction of the Class Three Landfill, and were used to estimate the largest area requiring cover at any time during the active life.



4. ESTIMATE OF MAXIMUM INVENTORY OF WASTE

The estimated maximum inventory of wastes ever on-site during the active life of the landfill facility is summarized below in Table 2.

Table 2
Maximum Waste Inventory

Class Three Landfill Area	Waste Disposal Volume (CY)
Landfill Area 1	2,191,000
Landfill Area 2	9,684,000
Total	11,875,000

Note that these volumes refer to the calculated volume between the top of the protective cover layer component of the liner system vs. the bottom of the final cover system. These values do not include the possible volume of bottom ash which may be used as an allowable material within the 2-ft liner drainage/protective cover layer. A calculation package further describing the volume computations is provided in Appendix B of this Engineering Report.



5. CLOSURE SCHEDULE AND SEQUENCE

5.1 Schedule of Closure Milestones

Partial closure refers to the closure of a portion (increment) of the Class Three Landfill. Final closure is achieved upon closure of the entire Class Three Landfill. The landfill will be closed incrementally in phases as cells/areas of filling are brought to final waste grades. The schedule of closure milestones is presented below in Table 3, and details of the closure sequence are provided in the remainder of this section.

Table 3
Schedule of Closure Milestones

(the first four entries apply to each partial closure increment, and all entries apply to final closure)

Event	Timeframe
Notify DHEC of intent to close a	Just prior to receipt of final wastes
given increment	within that area
Prepare closure construction plans,	90 days following provision of
obtain bids, and select contractor	DHEC notice
Construct final cover system	Within 180 days following initiation
Construct final cover system	of construction
Submit closure certification to DHEC	60 days following construction of
Submit closure certification to Diffee	each increment
Place notation on the deed to the	
landfill facility property that the land	30 days following DHEC issuance of
was used as a landfill and that its use	landfill facility final closure
is restricted	

5.2 Landfill Closure Sequence

As described above, the landfill will be closed incrementally in phases, consistent with the sequence of filling shown on the Engineering Drawings. Partial closure events will occur as cells/areas of filling are brought to final waste grades so that a significant



portion of the landfill has reached the final waste grades. When the Class Three Landfill is at total capacity, or once the last remaining active area achieves final waste grades, closure activities for final closure of the Class Three Landfill will begin. The steps for implementing the closure process are described in the following subsections. The steps are the same for partial closure and final closure.

5.3 Determination of Closure Area

Santee Cooper will determine the number of closure events and size of each closure event. Closure construction will not be initiated until final grades of a suitable sized landfill area are achieved based on factors such as construction logistics and economics. The landfill will be surveyed periodically to determine the status and estimate areas that have reached the final waste grades

5.4 Construction Contract Documents

Construction documents, including drawings, specifications, and bid documents, will be prepared for each closure event. The drawings and specifications will be in accordance with the design presented on the Engineering Drawings and the standards and requirements given in the permitted Technical Specifications.

5.5 Notification of Intent to Close

Prior to the beginning of a closure event, Santee Cooper will submit a Notice of Intent to Close to DHEC. The notice will include a description of the area to be closed, acreage, and a schedule outlining the closure activities to be performed.

5.6 <u>Initiation of a Closure Event</u>

Santee Cooper requests an exemption from the 30 day limit for beginning closure activities as outlined in the schedule for closure in Section 258.60.c. of Part V, Subpart F. Specifically, Santee Cooper requests that up to 90 days be allowed for completion of necessary construction drawings and selection of a qualified contractor to perform the work for each closure event. It is our experience that a period of 30 days is not enough to allow proper pre-construction preparation work following notification of DHEC of intent to close. Closure construction activities will begin a closure event within 90 days of receiving the final waste to be placed within the area/increment represented by that



closure event, or if the cell/area is to receive additional wastes, no more than one year after the most recent receipt of wastes.

5.7 <u>Completion of a Closure Event</u>

As outlined in the schedule of closure milestones in Table 3, the facility will complete closure construction activities within 180 days of initiation for a given closure event. Should an extension to this limit be required, Santee Cooper will request an extension from DHEC at that time. In all cases Santee Cooper will maintain landfill slopes and cover as needed to prevent threats to human health or the environment.

5.8 Certification of Closure

Within 60 days of completion of each final system construction event, a certification of closure construction (construction certification report as specified in the CQA Plan) will be prepared and submitted to DHEC for approval. This construction certification report will be sealed by a duly licensed South Carolina professional engineer other than the design engineer, verifying that the closure has been completed in accordance with this Closure Plan (and the DHEC-approved Technical Specifications and CQA Plan referenced herein). A copy of all closure construction certification reports shall be placed in the Operating Record.

5.9 Record Notation to Deed

Within 30 days of DHEC's issuance of final closure approval of the last area of the Class Three Landfill, and using a form approved by DHEC, Santee Cooper shall record with the appropriate Register of Deeds, a notation in the record of ownership of the property - or some other instrument which is normally examined during title search - that will in perpetuity notify any potential purchaser of the property that the land or a portion thereof was used for the disposal of solid waste. This notice shall define the final boundaries of the waste disposal area including the latitude and longitude, identify the type, location, and quantity of solid waste disposed on the property, and advise potential owners of the property that there are land use restrictions.

Santee Cooper may request permission from DHEC to remove this notation from the deed if all wastes are properly removed from the landfill facility and there is no environmental impact.



6. CLOSURE COST ESTIMATE AND FINANCIAL ASSURANCE

A detailed written cost estimate for closure activities is provided as Attachment A of this Closure Plan. This cost estimate is in current dollars and is based on hiring a third party to close the largest area of the landfill ever requiring final cover at any time during the active life (when the extent and manner of its operation would make closure the most expensive), based on the planned incremental closure sequence and this Closure Plan. Santee Cooper will adjust the closure cost estimate and corresponding amount of financial assurance annually for inflation and any changes to this Closure Plan or landfill conditions that would increase the cost to close the landfill.

Santee Cooper will provide a demonstration of financial assurance, using an allowable mechanism, for the Class Three Landfill in accordance with the requirements of Part I, Section E.1 of R.61-107.19. If conditions call for a reduction in the amount to be financially assured, Santee Cooper will submit justification to DHEC for review and approval prior to officially reducing the amount.

Financial assurance for closure activities will be maintained until final closure activities at the Class Three Landfill have been completed, certification of final closure is submitted to and approved by DHEC, a deed notation identifying the Class Three Landfill and associated restrictions is recorded, and Santee Cooper is released from financial assurance requirements.

Santee Cooper Winyah Generating Station Class Three Landfill Permit Application Closure Plan

ATTACHMENT A CLOSURE COST ESTIMATE

Attachment A
Closure Cost Estimate

Class Three Landfill - Largest and Most Expensive Area Requiring Closure Winyah Generating Station, Georgetown County, South Carolina

	Largest landfill area requiring closure at any time:	31.3	AC	Date Prepared:	August 2016
Item Number	Description	Estimated Quantity	Unit	Unit Price	Total Closure Cost
_	Bonds, Insurance, Mobilization and Demobilization	5%	rs	\$ 267,979	\$ 267,979
2	Temporary Stormwater Water Management	31.3	AC	3,000	\$ 93,900
3	Cover Subgrade Preparation	31.3	AC	000'6	\$ 281,700
4	Reinforced Geosysnthetic Clay Layer (GCL)	1,363,428	SF	09:0 \$	\$ 818,057
5	20-mil LLDPE Flexible Membrane Liner	1,363,428	SF	\$ 0.35	\$ 477,200
9	Geocomposite Drainage Layer	1,363,428	SF	\$ 0.45	\$ 613,543
7	24-Inch Erosion/Vegegative Layer (Cover Soil + Topsoil)	100,995	CY	\$ 5.00	\$ 504,973
6	18" HDPE Downdrain Pipe	2,000	LF	\$ 40.00	\$ 80,000
10	Waste Excavation and Disposal for Downdrain Pipes	1,375	CY	\$ 8.00	\$ 11,000
11	Structural Fill for Downdrain Pipes	1,250	CY	\$ 5.00	\$ 6,250
12	Downdrain Inlets	27	EA	2,500	\$ 67,500
14	Downdrain Outlet Concrete Pads with Energy Dissipators	5	EA	\$ 2,250	\$ 11,250
91	Gravel Final Cover Access Road	901'9	SY	\$ 27.00	\$ 164,700
17	Seeding & Mulching	31.3	AC	\$ 2,750	\$ 86,075
18	Erosion Control Matting	151,492	SY	\$ 5.00	\$ 757,460
61	Miscellaneous Work & Cleanup	31.3	AC	\$ 7,500	\$ 234,750
20	Engineering and CQA Services	31.3	AC	\$ 15,000	\$ 469,500
21	5% Contingency of Above Hems	5%	LS	\$ 281,378	\$ 281,378
				Total Closure Cost	S 5,27,214

Notes:

167,004

Closure Cost per Acre 2 S

^{1.} This cost estimate is conservatively based on Final Cover System Design Option 2 (which is the more expensive of the two options).

^{2.} Closure cost per acre may be used to calculate the estimated closure cost for other areas requiring closure by taking this per-acre rate multiplied by the number of acres.





APPENDIX B

Permitted Closure Plan Supplement For ClosureTurf® Final Cover System Option



Santee Cooper Power

1 Riverwood Drive Moncks Corner, South Carolina 29461

CLOSURE PLAN SUPPLEMENT

for

CLOSURETURF® FINAL COVER SYSTEM OPTION

WINYAH GENERATING STATION NON-COMMERCIAL CLASS THREE LANDFILL Georgetown, South Carolina

Prepared by



No. 33535

Geosyntec consultants

engineers | scientists | innovators

201 E. McBee Avenue, Suite 201 Greenville, South Carolina 29601

Project Number GSC5242

May 2020



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1. INTRODUCTION

1.1 Purpose

This Closure Plan Supplement, hereafter referred to as the "Supplemental Package" has been prepared by Geosyntec Consultants (Geosyntec) for the Class Three Landfill at Santee Cooper's Winyah Generating Station (WGS) located in Georgetown County, South Carolina. Geosyntec prepared this Supplemental Package on behalf of the permit applicant – the South Carolina Public Service Authority doing business as (d.b.a.) Santee Cooper (Santee Cooper).

The purpose of this Supplemental Package is to add an alternative final cover system using a synthetic-turf type of product known as ClosureTurf® as an allowable final cover system option for closure of the Class Three Landfill.

The approved Closure Plan included in the Class Three Landfill permit application addresses the steps necessary to close the landfill, and addresses the information required by Section 258.60.c of R.61-107.19, Part V, Subpart F. The Closure Plan also explains the related closure requirements that will apply, pursuant to Sections 258.60.d. through o. of these regulations. As required by Section 258.60.d., this Supplemental Package represents an update (as a supplement) to the approved closure plan pertaining to the proposed addition of the ClosureTurf® final cover system option.

This Supplemental Package has been prepared to address the applicable Closure requirements for an alternative final cover, pursuant to South Carolina Department of Health and Environmental Control (DHEC) Regulation R.61-107.19, Part V, Subpart F, Section 258.60.b. Other than the final cover system design and construction changes presented herein for the ClosureTurf® final cover system option, the overall closure provisions required by the approved Closure Plan shall continue to apply.

1.2 Contents of This Supplemental Package

The following information is provided in the remainder of this Supplemental Package:

1

 a description of the proposed alternative final cover system option using ClosureTurf®;



- methods and procedures that will be used to install the cover, along with associated construction quality assurance/quality control (QA/QC) procedures and material specifications;
- surface water management system performance;
- final cover system equivalency;
- post-installation inspection and maintenance procedures; and
- closure and post-closure cost estimates using the ClosureTurf® final cover system.



2. CLOSURETURF® FINAL COVER SYSTEM DESIGN

2.1 Introduction

The WGS Class Three Landfill permit currently allows two final cover system options (identified in the approved permit application as "Option 1" and "Option 2"). Final cover system Options 1 and 2 are described in the approved Closure Plan, and are illustrated on the approved set of Engineering Drawings. This Supplemental Package proposes to add a third final cover system option (i.e., "Option 3") as described below.

The main feature of Option 3 is the use of a type of alternative geomembrane/artificial turf system known as ClosureTurf®. Therefore, Option 3 will be referred to hereafter as the "ClosureTurf® final cover system option".

2.2 Engineering Design Drawings

A series of engineering design drawings for the ClosureTurf® final cover system option is included as Attachment A to this Supplemental Package. These drawings present the engineering details that will apply to closure using the ClosureTurf® final cover system option. The engineering details included in Attachment A present an illustration of the ClosureTurf® system (see Drawing 1, Detail 1), along with various details presenting cross-sectional views of various landfill slopes and perimeter areas, tie-ins, and surface water management features on the final cover.

2.3 Description of the ClosureTurf® Final Cover System Option

ClosureTurf® is a patented engineered cover system product offered by Watershed Geosynthetics LLC (WatershedGeo), made up of three components consisting of, from bottom to top: (i) a structured linear low-density polyethylene (LLDPE) geomembrane (50-mil nominal thickness) that also integrates an approximately 130-mil thick studded drainage layer on the top, and with spikes on the bottom of the geomembrane; (ii) an engineered-turf protective layer consisting of high-density polyethylene (HDPE) grass blades adhered to a woven geotextile backing; and (iii) a thin layer (about 0.5 inches [in.] thick) of sand infill which is primarily used for ballasting.

As illustrated on Detail 1 of Drawing 1 in Attachment A, the geomembrane component of the ClosureTurf® system will be placed directly on top of either an 18-inch thick low



permeability compacted soil infiltration layer (with $k \le 1 \times 10^{-5}$ cm/sec), or a needlepunched reinforced geosynthetic clay liner (GCL).

The use of a GCL in lieu of the 18-inch low permeability compacted soil infiltration layer is already approved for the current permit, and GCL equivalency to this compacted soil has already been demonstrated in an appendix to the approved Engineering Report. GCL equivalency is not repeated herein; however, please note that a ClosureTurf®-specific equivalency demonstration is provided subsequently in this Supplemental Package.

2.2 Alternative Final Cover System Design Criteria

The ClosureTurf® final cover system is designed and will be constructed to:

- provide long-term minimization of infiltration of precipitation into disposed wastes within the landfill, namely to:
 - o achieve an equivalent reduction in infiltration as the infiltration layer specified in paragraphs a.(1) and a.(2) of Section 258.60.a of R.61-107.19, Part V, Subpart F;
 - o include a composite barrier (geomembrane placed directly on an infiltration layer) that meets or exceeds the composite barrier specified in Section 258.60.k of R.61-107.19, Part V, Subpart F;
- promote drainage while minimizing erosion of the final cover, namely to
 - o provide equivalent protection from wind and water erosion as the erosion layer specified in paragraph a.(3) of Section 258.60.a of R.61-107.19, Part V, Subpart F; and
- function with minimal maintenance over the post-closure period.



3. CLOSURETURF® INSTALLATION

3.1 QA/QC Report

The approved Class Three Landfill permit application includes a comprehensive QA/QC Report. The QA/QC Report includes a Construction Quality Assurance (CQA) Plan and Technical Specifications. These existing documents present the requirements for final cover system installation and for associated observation, documentation, and testing — culminating with preparation and submittal of a certification of closure construction (construction certification report).

The approved Technical Specifications and CQA Plan address the comprehensive requirements that will apply during closure construction of the ClosureTurf® final cover system option. This Supplemental Package provides additions to the Technical Specifications and CQA Plan to include information specific to the ClosureTurf®, as discussed below.

3.2 Construction Quality Assurance (CQA)

A CQA Plan Supplement, specific to ClosureTurf®, is provided in Attachment B of this package. The CQA Plan Supplement provides the requirements for monitoring, testing, and documenting the materials and construction/installation of the ClosureTurf® final cover system components that are not already covered in the main CQA Plan.

3.3 Technical Specification

A ClosureTurf® Technical Specification is provided in Attachment B of this Supplemental Package. Installation of the ClosureTurf® final cover system will be performed in accordance with the design presented on the attached Engineering Drawings and the standards outlined in the attached Technical Specification. This specification also includes the required material properties. This specification was developed consistent with guidance provided in the ClosureTurf® Installation Guidelines Manual by WatershedGeo, dated December 2018. Within the attached specification, reference is made that requires installation in accordance with manufacturer recommendations.



4. SURFACE WATER MANAGEMENT SYSTEM

4.1 Overview of Surface Water Management System

The layout of the surface water management system features on the Class Three Landfill areas is not changing as a result of the ClosureTurf® final cover system option. The manner in which stormwater run-off will be conveyed off the final cover is summarized below.

- The final cover system surface for the ClosureTurf® option will be the synthetic turf (engineered-turf and sand ballast with the visible appearance of a grass-like surface). The landfill areas are designed with sideslopes inclined at 3 horizontal to 1 vertical (3H:1V) in-between drainage terraces and top surface slopes (top deck areas) are inclined at a nominal 3 to 5 percent slope.
- The final cover sideslopes have drainage terraces spaced approximately every 30 feet vertically, and with typical drainage profile slopes at 2 percent.
- The drainage terraces will convey water to downdrain pipes spaced periodically around each landfill area.
- Downdrain pipes will outlet into either constructed perimeter drainage channels/culverts, or will directly outlet into existing site drainage features (i.e., the discharge canal or cooling pond).

The engineering drawings included in Attachment A of this supplement illustrate the configuration of these surface water management components using/in conjunction with the ClosureTurf® final cover system.

4.2 ClosureTurf®-Specific Surface Water Management System Calculations

Not surprisingly, the ClosureTurf® system with its artificial turf surface, produces greater runoff volumes at higher rates than for a conventional final cover system with a soil surface layer and grassy vegetation. Attachment C of this Supplemental Package presents calculations of hydrology and hydraulics (H&H) analyses to estimate the rates of runoff from the ClosureTurf® system generated by the design storm. The calculations also evaluate the hydraulic design/sizing necessary for the surface water management system conveyances (terraces, downdrain pipes, perimeter

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Class Three Landfill
Closure Plan Supplement – ClosureTurf® Final Cover System Option



channels/culverts) to adequately manage flows from the design storm. The outcome of these calculations is the proper sizing of these conveyances, demonstrating that the surface water management features for the ClosureTurf® final cover system option, as presented on the engineering drawings included with this Supplemental Package, are adequate to manage the design storm.

May 2020



5. FINAL COVER SYSTEM EQUIVALENCY

5.1 Standard Final Cover System

The approved Class Three Landfill permit application includes a "standard" (i.e., regulatory prescriptive) final cover system. The aforementioned "Option 1" final cover system for this facility uses this standard final cover system, which is composed of the following components (from top to bottom):

- a 2-ft thick layer of soil capable of supporting native vegetation (further subdivided into an upper 6-inch thick topsoil layer and a lower 18-inch thick protective cover soil layer);
- a geocomposite drainage layer (geotextile filters bonded to both sides of a geonet drainage core);
- a flexible membrane liner (FML), which will be a 20-mil (minimum) thick LLDPE geomembrane liner, textured on both sides; and
- an 18-inch thick infiltration layer of compacted soil with a maximum hydraulic conductivity of 1 x 10⁻⁵ cm/sec and capable of providing a suitable foundation for the FML.

5.2 Hydraulic Barrier Equivalency of the ClosureTurf® Final Cover System

The ClosureTurf® final cover system has a composite cover barrier infiltration layer that achieves an equivalent reduction in infiltration as the infiltration layer of the approved Option 1 final cover system listed above (which is the standard composite barrier layer prescribed by R.61-107.19, Part V, Subpart F, Section 258.60.k.). A demonstration of hydraulic equivalency is provided in Attachment D of this Supplemental Package. The evaluation in Attachment D demonstrates that the ClosureTurf® final cover system provides equivalent (and in fact, superior) hydraulic barrier performance based on its calculated lower rate of infiltration through the final cover than the infiltration through the standard final cover system.



5.3 Erosion Layer Equivalency of the ClosureTurf® Final Cover System

The surface water management system calculations for final cover conditions using ClosureTurf® are included in Attachment C of this supplemental package. These calculations demonstrate that the surface water management features are adequately sized to manage and convey stormwater off the ClosureTurf® final cover system.

Also, with respect to erosion and wind resistance, the ClosureTurf® final cover system option includes a synthetic engineered-turf material as the upper layer of the final cover system that has been shown through laboratory testing and field performance to provide superior resistance to wind and water erosion as compared to the erosion layer of the standard (regulatory prescribed) final cover. This information is documented in the ClosureTurf® Design Guidelines Manual by WatershedGeo, dated March 2019.

The resulting WGS Class Three Landfill-specific design of the ClosureTurf® final cover system option is consistent with the above-referenced developer/manufacturer's design guidelines manual. This includes the incorporating the recommended sand infill gradation that has been found able to withstand higher rainfall intensities larger than those expected at this site, and using slope lengths and steepness that are well within design guidelines. Also, the drainage terraces will be lined with an enhanced ballast layer as shown on the engineering drawings in Attachment A, providing further erosion resistance for the stormwater flow velocities and stresses.

With respect to wind resistance and stability, the design guidelines manual includes the results of wind tunnel testing that showed low uplift pressures (i.e., 0.12 psf) on the engineered-turf component of the ClosureTurf® system when exposed to 120 mph winds. The sand infill layer of the ClosureTurf® system will provide ballast well in excess of these uplift pressures (i.e., about 4.5 psf), thus indicating a substantial factor of safety against wind uplift. The wind tunnel testing also showed even less uplift pressures at even higher wind speeds due to a downward-force-effect of very high winds (> 120 mph) on the blades of grass.

Based on the foregoing, the ClosureTurf® final cover system will provide equivalent (or superior) protection from wind and water erosion as the erosion layer specified for the regulatory prescribed standard final cover.



6. POST-INSTALLATION INSPECTIONS AND MAINTENANCE

This section addresses the inspections and maintenance that will be performed for the ClosureTurf® final cover system after it is installed. This includes inspections and maintenance on increments of installed final cover, as well as inspections and maintenance after final closure of the facility during the post-closure care period.

6.1 Inspection and Maintenance Frequency

After the ClosureTurf® final cover system is installed, it will be inspected on a quarterly basis. Maintenance will be conducted as needed (i.e., when results of the inspections reveal the need for repairs). Details of the inspections and maintenance activities are described below.

6.2 Inspection and Maintenance Procedures

Santee Cooper will inspect installed areas of the ClosureTurf® final cover system at the frequency indicated above, to assess its integrity and effectiveness. Inspections will be to monitor for final cover system damage or adverse effects that could compromise the ability of the final cover from providing the level of protection required by the regulations. Inspections will include monitoring of the components and features described below.

- Sand Infill Observations. Walk along the landfill perimeter toe-of-slope, each drainage terrace, and on landfill top-areas, and observe the adjacent final cover surfaces for indications of erosion of the sand infill. Indications include visible signs of:
 - o erosion rills;
 - o areas with a loss of infill (synthetic turf without ballast); or
 - down-slope/down-gradient areas of deposited sand infill (indicative of washout/erosion occurrence).
- Sand Infill Documentation and Measurements.



- Maintain a written log (e.g., checklist or form) of inspections, including notes describing any observed loss of infill. Locate such areas on a site plan figure, and include photographic documentation.
- o If there are indications of partial loss of sand infill, measurements may be taken to delineate the thickness of remaining sand infill and to establish the area of erosion. These measurements may be performed using a blunt probe and manually measuring sand infill thickness to the nearest tenth of an inch.
- Such measurements may also be considered on a periodic/repeat basis (e.g., every few years) to check for rate of soil loss as a forecasting tool for scheduling preventative maintenance.
- Engineered-Turf Observations. During the inspection walk of the landfill
 perimeter toe-of-slopes, drainage terraces, and landfill top-areas, also
 observe the condition of the engineered-turf for indications of
 shifting/movement/instability, and for other damage or deterioration.
 Indications include visible signs of:
 - o areas of wrinkles/ripples or folds in the engineered-turf;
 - areas of turf in tension;
 - o evidence of movement or shifting of the engineered-turf, or similarly, loose strands of fabric or yarn;
 - damaged, cut, or torn engineered-turf;
 - o areas of exposed geomembrane; or
 - o changes in turf color or condition of synthetic grass blades (potentially indicative of ultraviolet (UV) damage)
- Engineered-Turf Documentation and Measurements.
 - Document the condition of the engineered-turf using the written log described previously (accompanied by figure(s), photographs).

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o If UV degradation is suspected to the extent it may compromise the performance of the final cover system, a sample of the turf may be removed for testing to compare the in-service properties to the manufactured properties that were documented as part of installation.

Maintenance/repairs will be conducted as needed to correct areas of concern that could negatively impact the ability of the final cover from providing the level of protection required by the regulations. Such maintenance/repairs will be to correct the observed damage or adverse effects described above, stemming from erosion, wind uplift, instability/movement of the synthetic turf, settlement or subsidence of underlying waste materials, vehicle traffic, vandalism, animal activity, or other events; and to prevent run-on and run-off from eroding or otherwise damaging the final cover.

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7. CLOSURE AND POST-CLOSURE COST ESTIMATES

Closure and Post-Closure Cost Estimates for the ClosureTurf® final cover system option are provided as Attachment E of this Supplemental Package.

The basis for these cost estimates is consistent with the assumptions used to generate the current-permitted cost estimates (current dollars, based on hiring a third party to close the largest area of the landfill ever requiring final cover at any time during the active life (when the extent and manner of its operation would make closure the most expensive), based on the planned incremental closure sequence).

ATTACHMENT D

CLOSURETURF® FINAL COVER SYSTEM EQUIVALENCY DEMONSTRATION

GSC5242 May 2020

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consultants

of

Written by: V. Taukoor Date: 04/27/2020 Reviewed by: S. M. Graves Date: 05/08/2020

Client: Santee Cooper Project: Winyah Generating Station Project No.: GSC5242 Task No.: 20BT

CLOSURETURF® HYDRAULIC EQUIVALENCY

CALCULATION PACKAGE

(HELP MODELING)



SEALED FOR CALCULATION PAGES 1 THROUGH 47

PURPOSE

Currently (as-permitted), the Class Three Landfill design at the Winyah Generating Station (WGS) includes a final cover system referred to as "Option 1", which is the standard composite barrier layer prescribed by R.61-107.19, Part V, Subpart F, Section 258.60.k. WGS is proposing to add an alternative final cover system using a synthetic-turf type of product known as ClosureTurf® as an allowable final cover system option, referred to as "Option 3".

The purpose of this calculation package is to evaluate the hydraulic performance of the proposed ClosureTurf® final cover system compared to the "standard" (i.e. regulatory prescriptive) final cover system. The results presented herein are used to evaluate whether the ClosureTurf® final cover system is hydraulically equivalent to the standard final cover system. This is done by comparing the following items for each cover system:

- Percentage of precipitation incident on the cover system that gets converted to:
 - Direct runoff;
 - Evapotranspiration;
 - o Infiltration collected by the geocomposite drainage layer;
 - o Infiltration that reaches the waste in the pond; and
- The hydraulic head on the geomembrane.



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Written by: V. Taukoor Date: 04/27/2020 Reviewed by: S. M. Graves Date: 05/08/2020

Client: Santee Cooper Project: Winyah Generating Station Project No.: GSC5242 Tak No.: 20BT

The remainder of this package is organized to present the following: (i) cover system details; (ii) analysis methodology; (iii) model parameters and material properties; and (iv) analysis results; and (v) summary and conclusions.

COVER SYSTEM DETAILS

The Option 1 (the approved standard final cover system) consists of the following components, from top to bottom:

- a 2-foot (ft) thick soil layer, consisting of a 0.5-foot (ft) thick layer of topsoil (vegetative cover for erosion) and a 1.5-ft thick layer of soil with a minimum hydraulic conductivity (k_{min}) of 1×10^{-4} cm/s layer (protective cover for infiltration reduction);
- a 200-mil geocomposite drainage layer (geotextile filters bonded to both sides of a geonet drainage core);
- a 20-mil thick linear low-density polythylene (LLDPE) geomembrane (geomembrane liner); and
- an 18-inch (in) thick compacted soil layer with a maximum hydraulic conductivity (k_{max}) of 1×10^{-5} cm/s).

The proposed Option 3 (ClosureTurf® final cover system), consists of the following components, from top to bottom:

- a 0.5-inch (in.) thick (min) sand infill layer used primarily as ballast;
- an engineered-turf (i.e., artificial grass) protective layer consisting of high-density polyethylene (HDPE) grass blades adhered to a woven geotextile backing;
- a structured linear low-density polyethylene (LLDPE) (50-mil nominal thickness) geomembrane that also integrates an approximately 130-mil thick studded drainage layer on the top, and with spikes on the bottom of the geomembrane; and
- an 18-inch (in) thick compacted soil layer with a maximum hydraulic conductivity (k_{max}) of 1×10^{-5} cm/s).

The cover systems corresponding to Option 1 and Option 3 are shown respectively in Figure 1 and Figure 2. As noted on Figure 2, the geomembrane component of the ClosureTurf® may be underlain by a needlepunched reinforced geosynthetic clay liner (GCL) instead of the 18-inch compacted soil layer; for this calculation package, Option 3 is modeled using the compacted soil layer.



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Written by: V. Taukoor Date: 04/27/2020 Reviewed by: S. M. Graves Date: 05/08/2020

Client: Santee Cooper Project: Winyah Generating Station Project No.: GSC5242 Task No.: 20BT

For reference, it is noted that *Option 2* is a final cover system that bears resemblance to *Option 1*, with the only difference between them being that the fourth component of *Option 1* (18-in thick compacted soil layer or "Clay Liner") is substituted by a hydraulically-equivalent (or superior) GCL layer. As part of the approved permit application for the WGS Class Three Landfill, an analysis showing the hydraulic equivalence of *Option 2* to *Option 1* was submitted. Therefore, if the hydraulic equivalence of *Option 3* to *Option 1* can be shown (the main aim of this package), it can be reasoned that *Option 3* would also be hydraulically equivalent to *Option 2*. As such, it is not necessary to quantitatively evaluate the hydraulic equivalence of *Option 3* to *Option 2* (nor is it necessary to model *Option 3* using the GCL), and this package focuses on whether *Option 3* achieves an equivalent reduction in infiltration as the infiltration layer specified in the regulatory-prescribed standard final cover system of *Option 1*.

ANALYSIS METHODOLOGY

The hydraulic performance of the cover systems presented in this package was modeled using the Hydrologic Evaluation of Landfill Performance (HELP) software, Version 3.07, developed for the U.S. Environmental Protection Agency (USEPA) [Schroeder et al., 1994a and 1994b].

The HELP program is a quasi-two-dimensional hydrologic model of water movement properties of the waste materials as well as those of the components of the soil and geosynthetic liner systems and cover systems that may be present. The program accepts climate, soil, and design input data, and uses a solution technique that accounts for the effects of surface storage, runoff, infiltration, percolation, evaporation, soil moisture storage, and lateral drainage.

The hydrologic processes considered in the *HELP* model include precipitation, surface-water evaporation, runoff, infiltration, plant transpiration, soil water evaporation, soil water storage, vertical drainage (saturated and unsaturated), lateral drainage (saturated), vertical drainage (saturated) through compacted soil liners, and leakage through geomembranes.

MODEL PARAMETERS AND MATERIAL PROPERTIES

The HELP model requires five (5) sets of input for computation, each of which is briefly described below and in the following section.

- 1. Precipitation data;
- 2. Temperature data;



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Client: Santee Cooper Project: Winyah Generating Station Project No.: GSC5242 Task No.: 20BT

- 3. Solar radiation data;
- 4. Evapotranspiration and weather data; and
- 5. Soil and design materials data.

Inputs 1 through 4 are described in more detail in Attachment A and Attachment B.

Input 5 is presented in Table 1.

Input 1: Precipitation Data

Geosyntec generated thirty years of synthetic precipitation data for the site location using the synthetic weather generator in the *HELP* model and the available precipitation data for Charleston, South Carolina. The precipitation data for Charleston is assumed to have approximately the same statistical characteristics as the historical data at the site (i.e., no adjustment to the data available in the *HELP* model was made).

Input 2: Temperature Data

Geosyntec generated thirty years of synthetic daily temperature data for the site location using the synthetic weather generator in the *HELP* model and the available daily temperature data for Charleston, South Carolina. The daily temperature data for Charleston is assumed to have approximately the same statistical characteristics as the historical data at the site.

Input 3: Solar Radiation Data

Geosyntec generated thirty years of synthetic solar radiation data for the site location using the synthetic weather generator in the *HELP* model and the available solar radiation data for Charleston, South Carolina. The daily solar radiation data for Charleston is assumed to have approximately the same statistical characteristics as the historical data at the site.

A site latitude of 32.90 degrees was used, which is based on the available solar radiation data in *HELP* for Charleston, South Carolina.

Input 4: Evapotranspiration and Weather Data

The evaporative zone depth is defined as the maximum depth from which water may be removed by evapotranspiration. This depth affects the storage of water near the surface and directly impacts the computations for evapotranspiration and runoff [Schroeder et al., 1994a and 1994b].



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The evaporative zone depth for *Option 1* was selected as 22 in. using the *HELP* model default value for vegetated areas (i.e., vegetative cover) near Charleston, South Carolina. The evaporative zone depth was selected as 0.6 in. for *Option 3*, which is the approximate thickness of the ClosureTurf® system (i.e., the thickness of the structured geomembrane, synthetic turf, and sand infill).

A maximum leaf area index (LAI) of two was selected for *Option 1*, whereas a LAI of zero was used for *Option 3*. The average wind speed used for both cover systems was 8.7 miles per hour, based on the available evapotranspiration and weather data for Charleston, South Carolina.

Relative humidity values for each quarter of the year inputted into the *HELP* model were 70.0%, 74.0%, 80.0%, and 75.0%. These values are based on the available evapotranspiration and weather data in *HELP* for Charleston, South Carolina.

Input 5: Soil and Design Materials Data

General Design

Each cover system is assigned a unit area of one (1) acre. The Soil Conservation Service (SCS) surface runoff curve number for *Option 1* was computed to be 87.4 based on a material texture number of 10 [Schroeder et al., 1994a and 1994b], a fair stand of grass, a surface slope (site slope) of 33% and a slope length of 100 feet (ft). The SCS surface runoff curve number for *Option 3* was assigned a value of 93.0 based on the manufacturer design guidelines and Geosyntec's experience.

Combined Topsoil and Protective Cover Soil Layer – Option 1

The topsoil and protective cover soils layers for *Option 1* are modeled as a single layer acting as a vertical percolation layer having *HELP* material texture 10 which is representative of clayey sand material (USCS Classification SC). This layer is modeled with a hydraulic conductivity (k) of 1.2×10^{-4} centimeter per second (cm/s).

Geocomposite Drainage Layer - Option 1

The geocomposite drainage layer for *Option 1* is modeled as a lateral drainage layer with *HELP* material texture 20 (representative of 0.2-in. thick geonet drainage layer) and having a slope of 33% and a slope length of 100 ft.

The design hydraulic conductivity of the geocomposite drainage layer is calculated by dividing the in-plane permit hydraulic transmissivity $(1.0 \times 10^{-4} \text{ m}^2/\text{sec})$ by the thickness of the layer (0.20 inches). The calculated hydraulic conductivity is then reduced by a factor of 2.4 to



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represent the hydraulic conductivities expected for long-term conditions (*Reduction Factor*, RF = 2.4). The hydraulic conductivity of the geocomposite drainage layer selected for use in the model was 0.82 cm/sec.

20-mil LLDPE Geomembrane - Option 1

The 20-mil LLDPE geomembrane for *Option 1* is modeled as a flexible membrane liner with *HELP* material texture 36 (representative of linear low-density polyethylene (LLDPE) geomembrane).

The geomembrane is modeled to have good installation quality (Placement Quality = 3) that can be achieved with third-party construction quality assurance (CQA) and testing. The *Installation Defect Density*, which is the number of defects (diameter of hole larger than the geomembrane thickness) per unit area resulting primarily from seaming faults and punctures during installation, was assigned a value of 2 per acre in the model. *Pinhole Density*, which is the number of defects (diameter of hole equal to or smaller than the geomembrane thickness) per unit area, was assigned a value of 2 per acre in the model.

The values selected for use in model for *Installation Defect Density* and *Pinhole Density* are assumptions for design purposes only and do not correspond to the expected or allowable defect and pinhole density.

A geomembrane saturated hydraulic conductivity of 4.0×10^{-13} cm/sec was selected for use in the model.

Compacted Soil Layer - Option 1

The compacted soil layer for cover system A is modeled as a barrier soil liner with HELP material texture 16. The hydraulic conductivity of this layer was conservatively selected to be 1 \times 10⁻⁵ cm/s.

ClosureTurf® Engineered Turf - Option 3

The ClosureTurf® Engineered Turf for *Option 3* includes a 0.5-in (min) sand in-fill and a 0.1-in turf material. This layer is modeled as a 0.6 in-thick vertical percolation layer having *HELP* material texture 2, which is representative of sandy material (USCS Classification SW), and having a hydraulic conductivity of 2.5×10^{-2} cm/s based on the manufacturer's design guidelines and Geosyntec's experience.

Geotextile Turf-Backing - Option 3

The woven geotextile backing layer for cover system B is not modeled in the *HELP* analyses due to its relatively small thickness and high permittivity.



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Studded Drainage Layer for Super Gripnet® - Option 3

The Studded Drainage Layer for Super Gripnet® for *Option 3* is modeled as a 130-mil lateral drainage layer with *HELP* material texture 20 having a slope of 33% and a slope length of 100 ft.

A typical value of in-plane hydraulic transmissivity of the Gripnet drainage layer is 2.5×10^{-3} m²/sec according to the manufacturer's design guidelines. The hydraulic conductivity is calculated by dividing the hydraulic transmissivity by the thickness of the layer (0.13 in). The calculated hydraulic conductivity is then reduced by a factor of 2.4 to represent the hydraulic conductivities expected for long-term conditions (RF = 2.4). The hydraulic conductivity of the Gripnet layer selected for use in the model was 31.6 cm/sec.

50-mil LLDPE Geomembrane - Option 3

The 50-mil LLDPE geomembrane for *Option 3* is modeled as a flexible membrane liner with *HELP* material texture 36 (representative of linear low-density polyethylene (LLDPE) geomembrane).

The geomembrane for *Option 3* is modeled with the same installation quality, installation defect density and pinhole density as the 20-mil LLDPE Geomembrane for *Option 1* (respectively: 3, 2 per acre, 2 per acre).

A geomembrane saturated hydraulic conductivity of 4.0×10^{-13} cm/sec was selected for use in the model.

Compacted Soil Layer - Option 3

The compacted soil layer for *Option 3* is modeled as a barrier soil liner with *HELP* material texture 16. The hydraulic conductivity of this layer was conservatively selected to be 1×10^{-5} cm/s.

ANALYSIS RESULTS

The hydraulic performances per unit acre of the permit standard final cover system and proposed ClosureTurf® final cover system evaluated using *HELP* are summarized below and compared in **Table 2** through **Table 4**. The output files are presented in **Attachment A** and **Attachment B**.

The numbers described below and in **Table 2** through **Table 4** should be regarded as tools that allow for a comparison of the hydraulic performances of *Option 1* and *Option 3*. The numbers presented herein do not necessarily represent the actual magnitudes of hydrologic parameters such as runoff at the site.



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Option 1

Based on the peak daily values (**Table 2**), 52% and 17% of the precipitation were respectively removed by direct runoff and collected by the geocomposite drainage layer. A negligible amount of precipitation (0.017 cubic feet) infiltrated through the final cover system and into the underlying waste. The average pressure head on the geomembrane was 0.065 in.

Based on the average annual values (**Table 3**), 10% of the precipitation was removed by direct runoff, 73% was removed by evapotranspiration and 17% was collected by the geocomposite drainage layer. A negligible amount of precipitation (0.213 cubic feet) infiltrated through the final cover system and into the underlying waste. The average pressure head on the geomembrane was 0.002 in.

Based on the average monthly values (**Table 4**), from January to December, between 5% and 47% of the precipitation was collected by the geocomposite drainage layer and a negligible amount of precipitation reached the underlying waste. The pressure head on the geomembrane was generally less than 0.003 in.

Option 3

Based on the peak daily values (**Table 2**), 78% and 29% of the precipitation were respectively removed by direct runoff and collected by the geocomposite drainage layer. A negligible amount of precipitation (0.001 cubic feet) infiltrated through the final cover system and into the underlying waste. The average pressure head on the geomembrane was 0.003 in.

Based on the average annual values (**Table 3**), 22% of the precipitation was removed by direct runoff, 22% was removed by evapotranspiration and 56% was collected by the geocomposite drainage layer. A negligible amount of precipitation (0.024 cubic feet) infiltrated through the final cover system and into the underlying waste. No noticeable pressure head acted on the geomembrane.

Based on the average monthly values (**Table 4**), from January to December, between 49% and 69% of the precipitation was collected by the geocomposite drainage layer and a negligible amount of precipitation reached the underlying waste. The pressure head on the geomembrane was generally less than 0.0003 in.



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SUMMARY AND CONCLUSIONS

The *HELP* model was used to assess the hydraulic equivalency of the proposed ClosureTurf® final cover system (*Option 3*) to the standard final cover system (*Option 1*). Conclusions are presented below regarding the hydraulic infiltration barrier performance characteristics of the two final cover systems.

- On a peak day, the model predicts that 0.017 cubic feet would infiltrate through *Option 1*, whereas 0.001 cubic feet would infiltrate through *Option 3*.
 - Option 3 results in a substantial reduction in infiltration on a peak day basis (17 times less infiltration).
- On an average annual basis, the model predicts that 0.213 cubic feet would infiltrate through *Option 1*, whereas 0.024 cubic feet would infiltrate through *Option 3*.
 - Option 3 results in a substantial reduction in infiltration on an average annual basis (almost 9 times less infiltration).

Based on the *HELP* model calculations presented herein and the comparisons noted above, the results demonstrate that the ClosureTurf® final cover system achieves an equivalent (and in fact, superior) reduction in infiltration as the standard final cover system. Accordingly, the ClosureTurf® final cover system (*Option 3*) is hydraulically equivalent (and in fact, superior) to the permit standard final cover system (*Option 1*).



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- Schroeder, P.R., Dozier, T.S., Zappi, P.A., McEnroe, B.M., Sjostrom, J.W., and Peyton, R.L. (1994b). The Hydrologic Evaluation of Landfill Performance (HELP) Model, Engineering Documentation for Version 3. U.S. Environmental Protection Agency, Office of Research and Development, Washington, D.C., Report No. EPA/600/R-94/168b.



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TABLES



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Table 1. Model Parameters and Material Properties

Cover System	Component	Alternative Name	HELP Layer Type [Schroeder et al., 1994a, 1995b]	Thickness (inches)	Total Porosity ⁽¹⁾	Field Capacity ⁽¹⁾	Wilting Point ⁽¹⁾	Initial Soil Water Content ⁽²⁾	Hydraulic Transmissivity, θ (cm/sec)	Saturated Hydraulic Conductivity, k (cm/sec)	Material Texture Number ⁽¹⁾	Slope (%)	Drainage Length (feet)	Pinhole Density (number per acres)	Installation Defects (number per acres)	Placement Quality
System	Combined Topsoil and Protective Cover Soil Layer	Topsoil/Cover	1 - Vertical Percolation Layer	24	0.398	0.244	0.136	0.321	N/A	1.2 × 10 ⁻⁴⁽³⁾	10			N/A		
Cover S	Geocomposite Drainage Layer	Geocomposite	2 - Lateral Drainage Layer	0.20	0.850	0.010	0.005	0.021	$1.0 \times 10^{-4(4)}$	1.96 (0.82)(5)	20	33	100		N/A	
Standard Final Cover (Option 1)	20 MIL (min) LLDPE Geomembrane	Geomembrane	4 - Geomembrane Liner	0.02			N/A			4.0 × 10 ⁻¹³⁽⁶⁾	36		N/A	2 ⁽⁷⁾	2 ⁽⁸⁾	3 - Good
Stand	Compacted Soil Layer	Clay Liner	3 - Barrier Soil	18	0.427	0.418	0.367	0.418	N/A	1.0 × 10 ⁻⁵	16			N/A		
System	ClosureTurf® Engineered Turf	Protective Turf	1 - Vertical Percolation Layer	0.6(9)	0.437	0.062	0.024	0.321	N/A	2.5 × 10 ⁻²⁽¹⁰⁾	2			N/A		
over Sys	Geotextile Turf-Backing	Turf-Backing							(not modelled in I	HELP)						
Final C Option 3	Studded Drainage Layer for Super Gripnet®	Gripnet	2 - Lateral Drainage Layer	0.13	0.850	0.010	0.005	0.021	2.5 × 10 ⁻³⁽¹¹⁾	75.7 (31.6)(12)	20	33	100		N/A	
ClosureTurf® Final Cover (Option 3)	50-MIL (min) LLDPE Geomembrane	Geomembrane	4 - Geomembrane Liner	0.05			N/A			4.0 × 10 ⁻¹³⁽⁶⁾	36		N/A	2 ⁽⁷⁾	2 ⁽⁸⁾	3 - Good
Clos	Compacted Soil Layer	Clay Liner	3 - Barrier Soil	18	0.427	0.418	0.367	0.418	N/A	1.0 × 10 ⁻⁵	16			N/A		

LLDPE - Linear Low Density Polythylene

N/A - Not Applicable

(Notes on Next Page)



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Notes:

- 1. The values shown for total porosity, field capacity, and wilting point correspond to the default values for the selected HELP material texture number.
- 2. The values shown for Initial Soil Water Content are selected based on recommendations from the HELP's User Guide V.3 [Schroeder et al., 1994a, 1994b] and Geosyntec's professional experience.
- 3. The hydraulic conductivity values for the topsoil and cover protective soil layers were selected based on typical values of sandy clay (USCS Classification: SC).
- 4. The permit in-plane hydraulic transmissivity of the geocomposite drainage layer is 1.0×10^{-4} m²/sec.
- 5. The hydraulic conductivity of the geocomposite drainage layer was calculated by dividing the in-plane permit hydraulic transmissivity by the thickness of the layer.
- (i.e., 1.0×10^{-4} m²/sec / 0.20 in = 1.96 cm/sec).

The calculated hydraulic conductivity is then reduced by a factor of 2.4 to represent the hydraulic conductivities expected for long-term conditions (e.g., 1.96 / 2.4 = 0.82 cm/sec). The reduced hydraulic conductivity is shown in parentheses.

- 6. The value shown for the hydraulic conductivity of the geomembrane is selected based on recommendations from the HELP's User Guide V.3 [Schroeder et al., 1994a] and Geosyntec's professional experience.
- 7. Pinhole density, the number of manufacturing defects (diameter of hole equal to or smaller than the geomembrane thickness), is taken to be 2 per unit acre (indicative of good geomembrane quality).
- 8. Installation defects per unit acre is taken to be 2 (indicative of good installation quality).
- 9. Installation defects per unit acre is taken to be 2 (indicative of good installation quality).
- 9. The thickness for the engineered turf layer represents the combined thickness of the synthetic turf, sand infill, and woven geotextile.
- 10. The hydraulic conductivity of the engineered turf layer was selected based on the manufacturer's design guidelines.
- 11. A typical value of in-plane hydraulic transmissivity of the Gripnet layer is 2.5×10^{-3} m²/sec according to the manufacturer's design guidelines.
- 12. The hydraulic conductivity of the Gripnet layer was calculated by dividing the typical in-plane hydraulic transmissivity value from manufacturer by the thickness of the layer.
- (i.e., 2.5×10^{-3} m²/sec / 0.13 in = 75.71 cm/sec for the gripnet layer).

The calculated hydraulic conductivity is then reduced by a factor of 2.4 to represent the hydraulic conductivities expected for long-term conditions (e.g., 75.71 / 2.4 = 31.55 cm/sec). The reduced hydraulic conductivity is shown in parentheses.



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Table 2. HELP Analysis Results – Peak daily values

			Pea	k Daily Values for	Year 1 through	n 30	
	Standar	d Final Cover (Option 1)	System		f® Final Cover (Option 3)	System	Change from Option 1 to Option 3
	Inches	Cubic Feet	Percent	Inches	Cubic Feet	Percent	Percent
Precipitation	5.3	19,312	100	5.3	19,312	100	-
Runoff	2.8	10,011	52	4.1	15,031	78	+ 50.1
Lateral Drainage Collected Layer 2	0.9	3,287	17	1.6	5,653	29	+ 72.0
Percolation/Leakage through Layer 4	0.000005	0.01744	0	0.000000	0.00101	0	- 94.2
Average Head on Top of Layer 3	0.065	-	-	0.003	-	-	- 95.4
Maximum Head on Top of Layer 3	0.126	-	-	0.005	-	-	- 96.0

Table 3. HELP Analysis Results – Average Annual Values

			Ave	rage Annuals for Y	Year 1 through 3	0	
	Standar	d Final Cover (Option 1)	System		® Final Cover S (Option 3)	ystem	Change from Option 1 to Option 3
	Inches	Cubic Feet	Percent	Inches	Cubic Feet	Percent	Percent
Precipitation	50.6	183,580	100	50.6	183,580	100	-
Runoff	5.0	18,223	10	10.9	39,675	22	+ 117.7
Evapotranspiration	36.9	134,116	73	11.2	40,792	22	- 69.6
Lateral Drainage Collected Layer 2	8.6	31,279	17	28.4	103,115	56	+ 229.7
Percolation/Leakage through Layer 4	0.00006	0.213	0	0.00001	0.024	0	- 88.7
Average Head on Top of Layer 3	0.00200	-	-	0.00000	-	-	- 100



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Table 4. HELP Analysis Results – Average Monthly Values

						Average		es for Year 1 th	rough 30				
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
l wa	Precipitation	2.5	3.6	4.7	2.7	4.2	6.0	7.2	7.3	4.8	2.7	2.0	2.9
r System	Runoff	0.1	0.2	0.4	0.1	0.4	0.8	0.9	0.9	0.5	0.4	0.1	0.2
Cove on 1)	Evapotranspiration	1.8	2.2	3.4	3.3	3.8	4.6	5.2	5.2	3.7	1.8	0.9	1.1
Final (Opti	Lateral Drainage Collected Layer 2	1.2	1.0	1.3	0.3	0.2	0.3	0.5	0.9	0.7	0.7	0.5	1.0
Standard Final Cover (Option 1)	Percolation/Leakage through Layer 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta	Average Head on Top of Layer 3	2.7E-03	2.6E-03	3.1E-03	8.0E-04	4.0E-04	8.0E-04	1.2E-03	2.0E-03	1.7E-03	1.6E-03	1.1E-03	2.2E-03
System	Precipitation	2.5	3.6	4.7	2.7	4.2	6.0	7.2	7.3	4.8	2.7	2.0	2.9
Cover Sy	Runoff	0.3	0.5	0.9	0.4	1.0	1.6	1.9	1.9	1.1	0.7	0.2	0.4
Final Co ption 3)	Evapotranspiration	0.6	0.8	1.1	0.7	0.9	1.3	1.8	1.6	1.0	0.4	0.4	0.5
f® Fig (Opti	Lateral Drainage Collected Layer 2	1.6	2.3	2.7	1.7	2.3	3.0	3.5	3.7	2.7	1.6	1.4	1.9
ClosureTurf® Final (Option	Percolation/Leakage through Layer 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Closu	Average Head on Top of Layer 3	1.0E-04	2.0E-04	2.0E-04	1.0E-04	2.0E-04	2.0E-04	3.0E-04	3.0E-04	2.0E-04	1.0E-04	1.0E-04	1.0E-04



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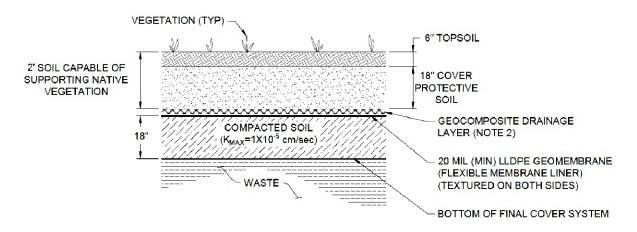


Figure 1. Cross-section of standard final cover system at Winyah Generating Station (Option 1)

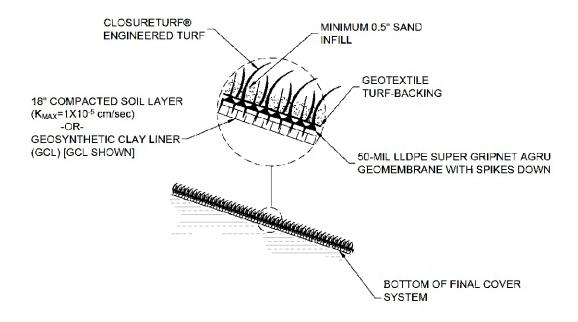


Figure 2. Cross-section of proposed ClosureTurf® final cover system at Winyah Generating Station (Option 3)

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APPENDIX A HELP RESULTS OF OPTION 1 (PERMIT STANDARD FINAL COVER SYSTEM)

HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE HELP MODEL VERSION 3.87 (1 NOVEMBER 1997) DEVELOPED BY ENVIRONMENTAL LABORATORY USAE WATERWAYS EXPERIMENT STATION FOR USEPA RISK REDUCTION ENGINEERING LABORATORY ** .

PRECIPITATION DATA FILE: C:\DATA4-1.D4 TEMPERATURE DATA FILE: C:\DATA7-1.D7
SOLAR RADIATION DATA FILE: C:\DATA13-1.D13
EVAPOTRANSPIRATION DATA: C:\DATA11-1.D11 SOIL AND DESIGN DATA FILE: OUTPUT DATA FILE: C:\DATA10-1.D10 C:\OUT-1.OUT

TIME: 15:43 DATE: 5/ 4/2020

NOTE: INITIAL MOISTURE CONTENT OF THE LAYERS AND SNOW WATER WERE COMPUTED AS NEARLY STEADY-STATE VALUES BY THE PROGRAM.

LAYER 1

TYPE 1 - VERTICAL PERCOLATION LAYER MATERIAL TEXTURE NUMBER 10 = 24.00 THICKNESS TNCHES

MATERIAL TEXTURE NUMBER 0 | 18.00 | INCHES | 0.4270 | VOL/VOL THICKNESS POROSTTY FIELD CAPACITY 0.4100 VOL/VOL WILTING POINT 0.3670 VOL/VOL INITIAL SOIL WATER CONTENT = 0.4270 VOL/VOL EFFECTIVE SAT. HYD. COND. = 0.99999975000E-05 CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS COMPUTED FROM DEFAULT SOIL DATA BASE USING SOIL TEXTURE #10 WITH A FAIR STAND OF GRASS, A SURFACE SLOPE OF 33.% AND A SLOPE LENGTH OF 100. FEET.

SCS RUNOFF CURVE NUMBER = FRACTION OF AREA ALLOWING RUNOFF = AREA PROJECTED ON HORIZONTAL PLANE = 100.0 PERCEN 1.000 ACRES PERCENT AREA PROJECTED ON MORIZONIAL PLANE =
EVAPORATIVE ZONE DEPTH =
INITIAL WATER IN EVAPORATIVE ZONE =
UPPER LIMIT OF EVAPORATIVE STORAGE =
LOWER LIMIT OF EVAPORATIVE STORAGE = 22.0 7.119 B.756 INCHES INCHES 2.992 INCHES INITIAL SNOW WATER INITIAL WATER IN LAYER MATERIALS TOTAL INITIAL WATER 15.394 INCHES TOTAL SUBSURFACE INFLOW INCHES/YEAR

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM CHARLESTON SOUTH CAROLINA

STATION LATITUDE = MAXIMUM LEAF AREA INDEX = START OF GROWING SEASON (JULIAN DATE) = 32.90 DEGREES 2.00 59 END OF GROWING SEASON (JULIAN DATE) EVAPORATIVE ZONE DEPTH AVERAGE ANNUAL WIND SPEED 22.0 INCHES 8.70 MPH AVERAGE SINDAL WIND SPEED 4.00 %
AVERAGE SID QUARTER RELATIVE HUMIDITY = 74.00 %
AVERAGE SID QUARTER RELATIVE HUMIDITY = 74.00 %
AVERAGE SID QUARTER RELATIVE HUMIDITY = 80.00 %

0.3980 VOL/VOL 0.2440 VOL/VOL 0.1360 VOL/VOL POROSITY FIELD CAPACITY WILTING POINT INITIAL SOIL WATER CONTENT = 0.3218 VOL/VOL

EFFECTIVE SAT. HYD. COND. = 0.119999997000E-03 CM/SEC

NOTE: SATURATED HYDRAULIC CONDUCTIVITY IS MULTIPLIED BY 3.00

FOR ROOT CHANNELS IN TOP HALF OF EVAPORATIVE ZONE.

LAYER 2

TYPE 2 - LATERAL DRAINAGE LAYER
MATERIAL TEXTURE NUMBER 0
- 0.20 INCHES THICKNESS POROSITY 0.8500 VOL/VOL FIELD CAPACITY WILTING POINT = INITIAL SOIL WATER CONTENT = 0.0203 VOL/VOL CM/SEC

EFFECTIVE SAT. HYD. COND. =
SLOPE = 0.819999993000 33.00 PERCENT

SLOPE DRAINAGE LENGTH 100.0 FEET

LAYER 3

TYPE 4 - FLEXIBLE MEMBRANE LINER

MATERIAL TEXTURE NUMBER 36
= 0.02 INCHES
= 0.0900 VOL/VOL THICKNESS POROSITY 0.0000 VDL/VOL 0.0000 VDL/VOL 0.0000 VOL/VOL 0.399999993000E-12 CM/SEC HOLES/ACRE

HOLES/ACRE

LAYER 4

TYPE 3 - BARRIER SOIL LINER

AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 75.00 %

NOTE: PRECIPITATION DATA WAS SYNTHETICALLY GENERATED USING COEFFICIENTS FOR CHARLESTON SOUTH CAROL SOUTH CAROLINA NORMAL MEAN MONTHLY PRECIPITATION (INCHES)

JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUNZOEC. 4.3B 2.5B 3.33 7.33 3.37 6.50 2.92 2.19 3.11

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING COEFFICIENTS FOR CHARLESTON SOUTH CAROLINA

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

JAN/JUL FEB/AUG MAR/SEP APR/OCT HAY/NOV JUN/DEC

NOTE: SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING COEFFICIENTS FOR CHARLESTON !
AND STATION LATITUDE = 32.90 DEGREES SOUTH CAROLINA

MONTHLY TOTALS (IN INCHES) FOR YEAR JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC PRECIPITATION 1.60 7.92 2.39 1.49 1.33 7.75 11.62 7.85 6.00 2.65

RUNOFF 0.011 0.839 0.816 0.654 0.106 0.006 0.769

EVAPOTRANSPIRATION				1.965		
	6.826	5.501	4.699	1.907	0.940	1.384
LATERAL DRAINAGE COLLECTED	1.6365	0.0016	1.1252	0.0050	0.0000	0.3692
FROM LAYER 2	1.0270	0.7067	1.3435	1.3746	0.1246	4.0879
PERCOLATION/LEAKAGE THROUGH				0.0000		
LAYER 4	0.0000	0.0000	6.6666	0.0000	0.0000	9.000
MONTHLY SUM						
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.004 0.002			0.000 0.003		
STD. DEVIATION OF DAILY	9.006	0.000	0.003	0.000	0.000	0.005
HEAD ON TOP OF LAYER 3						
《我们的自己是我们的自己是我们的自己的,我们就是否的自己的,我们就是我们的人们的,我们就是我们的人们的人们的人们的人们的人们们们们们们们们们们们们们们们们们们	********	*******	*****	*******	*****	******
	AL TOTALS	FOR YEAR	1			
ANNU	AL TOTALS	FOR YEAR	1		T PI	
ANNU	AL TOTALS	FOR YEAR	t 1	CU. FEE	:T PI	ERCENT
Annu	AL TOTALS	FOR YEAR	t 1	CU. FEE	T PI	ERCENT
ANNU. PRECIPITATION	AL TOTALS	INCHES	1	CU. FEE	ET PI	ERCENT 30.00
ANNU PRECIPITATION RUNGEF	AL TOTALS	FOR YEAR INCHES 56.25	t 1	CU. FEE	ET PI 169 10 215	ERCENT 30.00
ANNU PRECIPITATION RUNOFF EVAPOTRANSPIRATION	AL TOTALS	FOR YEAR INCHES 56.25 5.459 38.987	1 1	CU. FEE 204187.4 19816.2 141521.9 42844.3	ET PI 169 10 215	9.70 9.31 20.98
ANNU PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER	AL TOTALS	FOR YEAR INCHES 56.25 5.459 38.987 11.802	1 1	CU. FEE 204187.4 19816.2 141521.9 42844.3	169 10 215 906 (371	9.70 9.31 20.98
ANNU PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	AL TOTALS	FOR YEAR INCHES 56.25 5.459 38.987 11.802 0.000	1 1	CU. FEE 204187.4 19816.2 141521.5 42844.3	215 2066 6 371 :	9.70 9.31 20.98
PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3	AL TOTALS	FOR YEAR INCHES 56.25 5.459 38.987 11.892 0.002	t 1	CU. FEE 204187.4 19816.2 141521.5 42844.3	215 906 (371 : 285	9.76 59.31 20.98
PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE	AL TOTALS	FOR YEAR INCHES 56.25 5.459 38.987 11.892 0.000	1 1	CU. FEE 204187.4 19816.2 141521.5 42844.3	215 10	9.76 59.31 20.98

ANNUAL TOTA	ALS FOR YEAR 2		
	INCHES	CU. FEET	PERCENT
PRECIPITATION	55.50	201465.031	100.00
RUNOFF	7.272	26398.555	13.10
EVAPOTRANSPIRATION	38.303	139039.766	69.01
DRAINAGE COLLECTED FROM LAYER 2	11.7380	42608.762	21.15
PERC./LEAKAGE THROUGH LAYER 4	0.000078	0.284	0.00
AVG. HEAD ON TOP OF LAYER 3	0.0023		
CHANGE IN WATER STORAGE	-1.813	-6582.373	-3.27
SOIL WATER AT START OF YEAR	15.395	55884.723	
SOIL WATER AT END OF YEAR	13.582	49302.352	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.029	0.00
**********************	***********	*********	*******
****************	************	*********	
MONTHLY TOTALS (IN	INCHES) FOR YEAR	3	

PRECIPITATION

SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.000	-0.006	0.00
***************	************	*********	

		R YEAR			
JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
1.94	3.81	5.11	6.07	9.80	6.74
8.57	1.23	7.94	1.92	1.34	1.03
0.079	0.183	0.887	0.377	2.268	0.929
1.576	2.143	3.493	4.305	4.891	6.484
1.6389	1.4314	1.9028	0.1615	2.1941	2.6305
0.0068	0.0006	1.3936	0.3094	0.0051	0.0533
0.0000	0.0000	0.0000	0.0000	0.0000	9.9999
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.004	0.004	0.004	9.000	0.005	9.996
	1.94 8.57 0.079 1.142 1.576 5.569 1.6389 0.0068 0.0000	1.94 3.81 8.57 1.23 0.079 6.183 1.142 0.000 1.576 2.143 5.569 2.989 1.6389 1.4314 0.0068 0.0000 0.0000 0.0000	1.94 3.81 5.11 8.57 1.23 7.94 0.079 0.183 0.807 1.142 0.000 1.401 1.576 2.143 3.493 5.569 2.989 3.011 1.6389 1.4314 1.9928 0.0008 0.0006 1.3936 0.0000 0.0000 0.0000	1.94 3.81 5.11 6.07 8.57 1.23 7.94 1.92 0.079 6.183 0.887 0.377 1.142 0.000 1.401 0.007 1.576 2.143 3.493 4.305 5.569 2.989 3.611 1.907 1.6389 1.4314 1.9028 0.1615 0.0068 0.0006 1.3936 0.3094 0.0000 0.0000 0.0000 0.0000	1.94 3.81 5.11 6.07 9.80 8.57 1.23 7.94 1.92 1.34 0.079 0.183 0.807 0.377 2.268 1.142 0.000 1.401 0.007 0.000 1.576 2.143 3.493 4.305 4.801 5.569 2.989 3.011 1.907 0.941 1.6389 1.4314 1.9028 0.1615 2.1941 0.0068 0.0006 1.3936 0.1615 2.1941 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

RUNOF F	1.011	0.059	0.028	0.024	0.000	3.086
	4.474		2.531	800.0	0.007	
EVAPOTRANSPIRATION	1 937	2.450	3.210	1.933	2.309	5.130
		6.151				
LATERAL DRAINAGE COLLECTED	5 29/2	1.4866	1 0510	0.0067	0.0002	0.0802
FROM LAYER 2		2.8031		0.9186		
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LAYER 4		0.0000		0.0000		
MONTHLY SUMM	ARIES FOR	DAILY H	EADS (II	NCHES)		
AVERAGE DATIV HEAD ON	0.040	0.004	0.007	0.000		0.000
TOP OF LAYER 3	0.012 0.010	0.004		0.002	0.000	
575 B517-77-1 05 B1711						
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.010 0.010			0.000 0.001		

*****************		***			*******	K****K
ANNUAI	L TOTALS					
		INCHES		CU. FEE		RCENT
PRECIPITATION		70.63		256386.6		90.00
RUNOFF		12.539	,	45516.1	184 1	17.75
EVAPOTRANSPIRATION		39.338	;	142796.9	922 5	5.70
DRAINAGE COLLECTED FROM LAYER	2	18.008	8	65371.7	785 2	15.50
PERC./LEAKAGE THROUGH LAYER	1	0.000	118	0.4	127	0.00
AVG. HEAD ON TOP OF LAYER 3		0.003	15			

0.744

13.582

2701.528

49302.352

1.05

CHANGE IN WATER STORAGE

SOIL WATER AT START OF YEAR

SOIL WATER AT END OF YEAR		14.32€	5	52003.1	9 79		*******************	*********			*******	*****
SNOW WATER AT START OF YEAR		0.000	а	Θ.	900	0.00						
SNOW WATER AT END OF YEAR		0.000	9	0.6	800	0.00	《四季春日海泊安春春台海泊安春春台海泊安春春台海水水南春台海泊安春 台泊泊	*******		k • • • • • • • •	******	*****
ANNUAL WATER BUDGET BALANCE		0.000	90	0.6	847	0.00	ANNUAL TOTA	ALS FOR YEAR				
****************	******	*******	******	***	*****	*=****		INCHES		CU. FEE	T PI	ERCEN
							PRECIPITATION	41.25		149737.5		00.0 0
							RUNOFF	1.431	1	5195.1	175	3.47
****************	********	*******	******	*******	******	*======	EVAPOTRANSPIRATION	36.706	ذ	133242.6	i25 /	88.9B
MONTHLY TOTAL	IS (TN TN	THES I FOR	VEAR	4			DRAINAGE COLLECTED FROM LAYER 2	4.392	21	15943.4	107	10.65
							PERC./LEAKAGE THROUGH LAYER 4	0.000	1033	0.1	18	0.00
				APR/OCT		JUN/DEC	AVG. HEAD ON TOP OF LAYER 3	0.000	19			
ECIPITATION	3.35	4.24	2.43	2.92	3.58	4.01	CHANGE IN WATER STORAGE	-1.279)	-4643.B	182 -	-3.16
	6.62	3.89	6.00	1.40	1.58	1.23	SOIL WATER AT START OF YEAR	14.326	j	52003.B	179	
NOFF	0.234 0.223	0.203 0.309	0.051 0.293	0.002 0.064	0.017	0.032 0.000	SOIL WATER AT END OF YEAR	13.047	7	47359.9	196	
'APOTRANSPIRATION	1.690	2.267	3.139	4.132	3.939	4.205	SNOW WATER AT START OF YEAR	0.000)	0.0	100	0.00
APO HOM SPITON I GW	5.844	4.241	3.193	1.976	0.928	1.152	SNOW WATER AT END OF YEAR	0.000	,	0.0	100	0.00
TERAL DRAINAGE COLLECTED FROM LAYER 2	2.2650 0.0172	0.90B9 0.0000				0.0014	ANNUAL WATER BUDGET BALANCE	0.000	10	0.0	364	0.00
RCOLATION/LEAKAGE THROUGH LAYER 4	0.0000	0.0000	0.0000	0.0000	0.0000	9.0000 9.0000	**************************************	*********	********		*******	*****
MONTHLY SUM												
TRATTILE SSIZ							****************	**********		********	*******	****
ERAGE DAILY HEAD ON	0.005	0.002	0.001	0.000	0.000	0.000	MONTHLY TOTALS (IN					
TOP OF LAYER 3	0.000	0.000	0.000	0.002	0.000	0.000	JAN/J	JUL FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/
D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.003	0.002	0.001	0.000	0.000	0.000 0.000						
							PRECIPITATION 1.26	3.46	9.26	2.23	8.35	0.4
	9.84	9.38	3.97	4.42	1.76	2.09	SOIL WATER AT START OF YEAR	13.047	7	47359.9	196	
NOFF	0.000 0.980	0.294 0.994	0.975 0.113	0.004 1.151	1.762	0.000	SOIL WATER AT END OF YEAR	13.818	3	50159.4	177	
'APOTRANSPIRATION	1.790	2.219	3.488	3.068	5.696	1.303	SNOW WATER AT START OF YEAR	0.000	,	0.0	100	0.00
	6.758	5.451	4.679	2.176	1.165	1.166	SNOW WATER AT END OF YEAR	0.000	•	0.0	100	0.00
TERAL DRAINAGE COLLECTED FROM LAYER 2		0.0000 0.1678		1.4675 0.9514			ANNUAL WATER BUDGET BALANCE	0.000		-0.6		0.00
ERCOLATION/LEAKAGE THROUGH LAYER 4						9.0000 9.0000	***************************************	*********			海水松松	*****
MONTHLY SUM	MARIES FOR	DAILY H	HEADS (II	NCHES)								
		,					MONTHLY TOTALS (IN					
VERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.002	0.000	0.007 0.002	0.004 0.002	0.004 0.000	0.000 0.002	· · · · · · · · · · · · · · · · · · ·					
D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.005	0.000 0.001	0.006 0.003	0.005 0.003	0.009 0.001	9.001 9.002	PRECIPITATION 2.46	2.46	2.01	4.27	3.35	11.3
***********************	-*****		******	*******	*******	*=*****	5.46 RUNOFF 9.86		2.46 0.003	5.63 0.082	0.79 0.090	2.6
· ************************************	********	********	******	*******	******	******	8.02		0.030	1.110	0.000	0.3
	AL TOTALS						EVAPOTRANSPIRATION 1.66		3.324 2.741	4.229 1.750	3.026 0.946	6.5
		INCHES		CU. FEI	ET P	ERCENT		80 0.2412				
PRECIPITATION		56.51		205131.		00.00				1.2403		
RUNOFF		6.27	3	22769.	566	11.10		0.0000				
EVAPOTRANSPIRATION		38.958	В	141416.9		68.94						
DRAINAGE COLLECTED FROM LAYER	R 2	10.508		38145.6		18.60	MONTHLY SUMMARIES					
PERC./LEAKAGE THROUGH LAYER		0.000			255	0.00						
AVG. HEAD ON TOP OF LAYER 3		0.002					AVERAGE DAILY HEAD ON 0.00	92 0.001	0.000	0.001	0.000	0.6
CHANGE IN WATER STORAGE		0.771		2799.4	481	1.36	TOP OF LAYER 3 0.06		0.000	0.003	0.002	0.0
						-	STD. DEVIATION OF DAILY 0.00	0.001	0.000	0.001	0.000	0.0

		******	*******	********	******	******	PRECIPITATION	1.05 3.66	2.32 7.89	6.14 5.64	2.84	3.25	
************		*****	*******		*****		RUNOFF	0.000 0.067	0.066 1.096	1.302 0.289	0.034 0.054	0.000 0.091	
	TOTALS FO				*******		EVAPOTRANSPIRATION	1.815 2.783	1.864	3.791 4.313	4.105 2.037	2.720 1.117	
ANNUAL				CU. FEE		ERCENT	LATERAL DRAINAGE COLLECTED		6.177 6.0157	1.2231			
CIPITATION		52.95		192208.5		 30.00	FROM LAYER 2			0.7235			
0 FF		4.318		15673.3		8.15	PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000	0.0000 0.0000	0.0000		
POTRANSPIRATION		39.115		141988.9		73.07							
INAGE COLLECTED FROM LAYER	2	8.772	9	31845.7	44 :	16.57	MONTHLY SUM						
C./LEAKAGE THROUGH LAYER 4	ı	0.000	060	0.2	18	0.00							
. HEAD ON TOP OF LAYER 3		0.001	7				AVERAGE DAILY HEAD ON	0.002	0.000	0.003	0.000	0.000	
NGE IN WATER STORAGE		0.744		2700.2	92	1.40	TOP OF LAYER 3	0.000	0.000	0.002	0.000	0.000	
L WATER AT START OF YEAR		13.618		50159.4	77		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.002 0.000	0.000	0.004 0.002	0.000 0.000	0.000	
L WATER AT END OF YEAR		14.562		52859.7	70		***********************	******	******	*******		******	
N WATER AT START OF YEAR		0.000		0.6	100	0.00							
W WATER AT END OF YEAR		0.000		0.6	100	0.00	*************	*******	******	******	******	*****	i ye ek
UAL WATER BUDGET BALANCE		0.000	0	0.6	35	0.00		AL TOTALS					
***********	********	*****	******	*******	******	******			INCHES		CU. FEI	ET P	ER
							PRECIPITATION		41.68		151298.		99
							RUNOFF		3.202	2	11623.6	628	7
************		*****	******		*****		EVAPOTRANSPIRATION		33.198	В	120509.	955	79
MONTHLY TOTALS	: (TN TNCUI	IES) EOU	VEAD	7			DRAINAGE COLLECTED FROM LAYER	₹ 2	4.95	8 9	17971.6	682	11
HONTALY TOTALS							PERC./LEAKAGE THROUGH LAYER	4	0.000	99 36	θ.1	132	0
ANGE IN WATER STORAGE		0.329		1193.9	12	0 .79				0.005	0.003		
		0.329 14.562		1193.9 52859.7		Ø.79	SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.010 0.000	0.000 0.000	9.999 9.999	0.003 0.004	0.001 0.000	
IL WATER AT START OF YEAR					70	0 .79		9.000	0.000	0.000	0.004	0.000	
IL WATER AT START OF YEAR		14.562		52859.7	7 0 84	0.79 0.80	HEAD ON TOP OF LAYER 3	9.000	0.000	0.000	0.004	0.000	
IL WATER AT START OF YEAR IL WATER AT END OF YEAR ON WATER AT START OF YEAR		14.562 14.891		52859.7 54053.6	76 84 96		HEAD ON TOP OF LAYER 3	0.000 ********	6.000 *******	0.996 *******	9.084 *******	0.000 *****) sje sk
IL WATER AT START OF YEAR IL WATER AT END OF YEAR OW WATER AT START OF YEAR OW WATER AT END OF YEAR		14.562 14.891 0.000		52859.7 54053.6 0.6	76 84 66	Ø. 90	HEAD ON TOP OF LAYER 3	9.000	6.098 ********* FOR YEAF	9.996 **********************************	9.994 **********************************	0.000	1 % B
IL WATER AT START OF YEAR IL WATER AT END OF YEAR OW WATER AT START OF YEAR OW WATER AT END OF YEAR WUAL WATER BUDGET BALANCE		14.562 14.891 0.000 0.000	: :	52859.7 54053.6 0.6 0.6	76 84 66 66	0.00 0.00 0.00	HEAD ON TOP OF LAYER 3	9.000	6.098 ********* FOR YEAF	9.99 6	9.994 **********************************	0.000 ******** *******	I WE
IL WATER AT START OF YEAR IL WATER AT END OF YEAR OW WATER AT START OF YEAR OW WATER AT END OF YEAR WUAL WATER BUDGET BALANCE		14.562 14.891 0.000 0.000	: :	52859.7 54053.6 0.6 0.6	76 84 66 66	0.00 0.00 0.00	HEAD ON TOP OF LAYER 3 ANNUL PRECIPITATION	9.000	FOR YEAR INCHES	9.996 **********************************	0.004	6.000 ********** ET P	 * * * PER 100
IL WATER AT START OF YEAR IL WATER AT END OF YEAR OW WATER AT START OF YEAR OW WATER AT END OF YEAR WUAL WATER BUDGET BALANCE		14.562 14.891 0.000 0.000	: :	52859.7 54053.6 0.6 0.6	76 84 66 66	0.00 0.00 0.00	PRECIPITATION RUNOFF	9.000	FOR YEAR INCHES 44.35	9.996 **********************************	CU. FEI 160990.!	6.800	1 * * * 1 * * * 1 * * * 1 * * * 1 * * * 1 * * 1 *
IL WATER AT START OF YEAR IL WATER AT END OF YEAR IN WATER AT START OF YEAR IN WATER AT END OF YEAR IN WATER BUDGET BALANCE		14.562 14.891 0.000 0.000	•	52859.7 54853.6 9.6 9.6	76 84 66 66 32	0.00 0.00 0.00	PRECIPITATION RUNOFF EVAPOTRANSPIRATION	e.eee	FOR YEAR 1NCHES 44.35 4.359 34.729	9.999 R B	CU. FEI 160990.! 126052.!	6.800	PER(
IL WATER AT START OF YEAR IL WATER AT END OF YEAR OW WATER AT START OF YEAR OW WATER AT END OF YEAR NUAL WATER BUDGET BALANCE		14.562 14.891 0.000 0.000	· · · · · · · · · · · · · · · · · · ·	52859.7 54053.6 0.6 0.6	76 84 66 66 32	0.00 0.00 0.00	PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER	9.999	FOR YEAR INCHES 44.35 4.35 4.35 6.014	9.000 R B	CU. FEI 160990.! 126052.5	6.000 	9 78
IL WATER AT START OF YEAR IL WATER AT END OF YEAR IN WATER AT START OF YEAR IN WATER AT END OF YEAR IN WATER BUDGET BALANCE	(IN INCHI	14.562 14.891 9.996 9.996	0 ********	52859.7 54853.6 0.6 -0.6	76 84 66 66 32 *******	0.00 0.00 0.00	PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	9.999	FOR YEAR 1NCHES 44.35 4.359 9.000	9.000 R B	CU. FEI 160990.! 126052.!	6.000 	9 78
IL WATER AT START OF YEAR IL WATER AT END OF YEAR WATER AT START OF YEAR WATER AT END OF YEAR WALL WATER BUDGET BALANCE	; (IN INCHI	14.562 14.891 0.000 0.000 0.000	e YEAR	52859.7 54853.6 0.6 -0.6	76 84 66 66 32 ******************************	0.00 0.00 0.00 0.00	PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER	9.999	FOR YEAR INCHES 44.35 4.359 6.014 0.000	e.eee	CU. FEI 168990.! 126052.5 21832.6	9.000 ******* ET P	9 78 13 0
L WATER AT START OF YEAR W WATER AT START OF YEAR W WATER AT START OF YEAR W WATER AT END OF YEAR UAL WATER BUDGET BALANCE	(IN INCHI	14.562 14.891 8.696 8.69	YEAR	52859.7 54853.6 0.6 -0.6 8 APR/OCT	76 84 66 60 32 ***********************************	0.00 0.00 0.00 3.01	ANNUA PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE	9.999	FOR YEAR INCHES 44.359 34.729 6.014 0.000 0.000	e.eee	CU. FEI 160990.! 15823.5 21832.6 0.1	9.000	9: 78: 0:
L WATER AT START OF YEAR L WATER AT END OF YEAR W WATER AT START OF YEAR WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS	JAN/JUL F1	14.562 14.891 9.666 9.666 8.66	VEAR MAR/SEP 3.39 5.46	52859.7 54053.6 0.6 -0.6 -0.6 -0.6 -0.5 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6	76 84 66 69 32 ***********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ANNU PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR	9.999	FOR YEAR INCHES 44.35 4.359 6.014 0.000 1-0.749 14.899	e.eee	CU. FEI 168990.! 15823.6 21832.6 0.1	9.000 ET P -531 1 972 992 687 149	9 78 13 0
L WATER AT START OF YEAR L WATER AT END OF YEAR W WATER AT START OF YEAR WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS	(IN INCHI	14.562 14.891 8.696 8.69	YEAR	52859.7 54853.6 0.6 -0.6 8 APR/OCT	76 84 66 60 32 ***********************************	0.00 0.00 0.00 3.01	ANNU. PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR	9.999	FOR YEAR INCHES 44.35 4.35 6.014 0.000 0.001 14.893	9.0041 12.99	CU. FEI 160990.9 15823.9 126052.9 21832.0 0.1 54053.0	9.000 ET P 5531 1 972 992 687 149 322 684 359	PERI 9 78 13 0
L WATER AT START OF YEAR L WATER AT END OF YEAR W WATER AT START OF YEAR W WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS	JAN/JUL FI	14.562 14.891 0.000 0.000 0.000 15.90 15.90 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16	YEAR	52859.7 54853.6 0.6 0.6 -0.6 -0.6 -0.6 -0.6 -0.6 -0.6	76 84 66 60 332 **********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ANNUL PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	9.999	FOR YEAR INCHES 44.35 4.35 6.01 0.000 14.14 0.000	e.eee	CU. FEI 168990.1 15823.5 126052.5 21832.6 0.1 54053.6 51334.3	9.000 ET P	1 *** PERIOD 9 78 13 0 -1
L WATER AT START OF YEAR L WATER AT END OF YEAR W WATER AT START OF YEAR W WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION F	3 (IN INCHI 1.62 4.25 9 4.25 9 1.804 9 4.310 9	14.562 14.891 0.000 0.000 0.000 15.55 165 165 169 169 169 169 169 169 169 169 169 169	YEAR MAR/SEP 3.39 5.46 0.103 1.401 3.416 1.114	52859.7 54853.6 0.6 0.6 -0.6 8 APR/OCT 5.95 2.54 0.852 0.590 4.992 1.779	76 884 966 9332 **********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ANNUL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	9.999	FOR YEAR INCHES 44.35 4.35 6.01 0.000 14.49 14.41 0.000 0.000	e.eee	CU. FEI 160990.! 15823.6 21832.6 9.5 54053.6 51334.3	9.900 ET P 5531 1 972 992 687 149 322 684 3359 900	78 13 0 -1
L WATER AT START OF YEAR L WATER AT END OF YEAR W WATER AT END OF YEAR WATER AT END OF YEAR WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION AL DRAINAGE COLLECTED	JAN/JUL FI 1.62 : 4.25 : 9.647 (9.647 (9.025 (1.884 : 4.310 : 9.831 (1.9983 (14.562 14.891 0.000 0.000 0.000 15.90 15.90 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.900 16.9000 16.900 16	WAR/SEP	52859.7 54853.6 0.6 0.6 -0.6 -0.6 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	76 884 966 9332 **********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ANNUL PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	4. POPALS	FOR YEAR INCHES 44.35 4.35 34.72 6.01 0.000 14.49 14.40 0.000 0.000	e.eee R 6	CU. FEI 160990.1 15823.6 21832.6 8.1 -2719.3 54053.6 51334.3	0.000 ET P 5331 1 9972 9992 687 149 322 684 3359 900 900	78 13 0 -1 0 0
LL WATER AT START OF YEAR LL WATER AT END OF YEAR WE WATER AT START OF YEAR WE WATER AT END OF YEAR WALL WATER BUDGET BALANCE MONTHLY TOTALS PITATION FE STRANSPIRATION RAL DRAINAGE COLLECTED WH LAYER 2 SCLATION/LEAKAGE THROUGH	JAN/JUL FI 1.62 : 4.25 : 6.025 : 6.025 : 6.025 : 6.025 : 6.025 : 6.025 : 6.0008 : 6.	14.562 14.891 0.000 0.000 0.000 15.55) FOR 2.94 5.99 0.304 1.649 0.304 0.0004	WAR/SEP	8 APR/OCT 5.95 2.54 e.852 e.599 4.992 1.779 e.738e 1.7927 e.0000	######################################	3.91 3.58 9.679 3.788 1.112 9.6968 1.2624 9.6969	ANNUL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4. POPALS	FOR YEAR INCHES 44.35 4.35 34.72 6.01 0.000 14.49 14.40 0.000 0.000	e.eee R 6	CU. FEI 160990.1 15823.6 21832.6 8.1 -2719.3 54053.6 51334.3	0.000 ET P 5331 1 9972 9992 687 149 322 684 3359 900 900	78 13 0 -1 0 0
IL WATER AT START OF YEAR IL WATER AT END OF YEAR DW WATER AT START OF YEAR DW WATER AT END OF YEAR NUAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION FF DTRANSPIRATION RAL DRAINAGE COLLECTED DW LAYER 2 DLATION/LEAKAGE THROUGH YER 4	1.62 4.25 9.647 6.025 6.0098 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.000000 6.00000 6.00000 6.00000 6.00000 6.000000 6.00000 6.00000 6.000000 6.000000 6.00000 6.00000 6.00000 6.0000000 6.000000 6.000	14.562 14.891 0.000 0.000 0.000 0.000 15.55) FOR 2.94 5.99 0.304 1.649 0.304 0.000 0.000 0.000 0.000	YEAR MAR/SEP 3.39 5.46 6.163 1.461 1.114 6.0047 6.0143 6.0000	8 APR/OCT 5.95 2.54 6.852 6.799 4.992 1.779 6.7386 1.7927 6.0000	######################################	3.91 3.58 9.699 3.788 1.112 9.6968 9.699	ANNUL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	e.eee	FOR YEAR INCHES 44.35 4.35 9.40 0.000 14.49 0.000 0.000	e.eee	CU. FEI 160990.1 15823.6 21832.6 0.1 54053.6 51334.3 0.6	9.900 ******* ET P	PRR
IL WATER AT START OF YEAR ON WATER AT START OF YEAR ON WATER AT END OF YEAR NUAL WATER BUDGET BALANCE MONTHLY TOTALS IPITATION FF OTRANSPIRATION RAL DRAINAGE COLLECTED OH LAYER 2 OLATION/LEAKAGE THROUGH YER 4	1.62 4.25 9.647 6.025 6.0098 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.000000 6.00000 6.00000 6.00000 6.00000 6.000000 6.00000 6.00000 6.000000 6.000000 6.00000 6.00000 6.00000 6.0000000 6.000000 6.000	14.562 14.891 0.000 0.000 0.000 0.000 15.55) FOR 2.94 5.99 0.304 1.649 0.304 0.000 0.000 0.000 0.000	YEAR MAR/SEP 3.39 5.46 6.163 1.461 1.114 6.0047 6.0143 6.0000	8 APR/OCT 5.95 2.54 6.852 6.799 4.992 1.779 6.7386 1.7927 6.0000	######################################	3.91 3.58 9.699 3.788 1.112 9.6968 9.699	ANNUL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER AVG. HEAD ON TOP OF LAYER SOIL WATER AT START OF YEAR SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	e.eee	FOR YEAR INCHES 44.35 4.35 34.72 6.01 9.000 14.489 14.14 9.000	e.eee	CU. FEI 160990.9 15823.9 126052.9 21832.0 0.1 54053.0 51334.3	9.900 ******* ET P	9 78 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
RECIPITATION INOFF /APOTRANSPIRATION ITERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4	JAN/JUL FI 1.62 : 4.25 : 9.647 (9.025 (9.025 (9.098)	14.562 14.891 0.000 0.000 0.000 0.000 15.55) FOR 2.94 5.99 0.304 1.649 0.304 0.000 0.000 0.000 0.000	YEAR MAR/SEP 3.39 5.46 6.163 1.461 1.114 6.0047 6.0143 6.0000	8 APR/OCT 5.95 2.54 6.852 6.799 4.992 1.779 6.7386 1.7927 6.0000	######################################	3.91 3.58 9.699 3.788 1.112 9.6968 9.699	ANNUL PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER AVG. HEAD ON TOP OF LAYER SOIL WATER AT START OF YEAR SOIL WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	d. POPP	FOR YEAR INCHES 44.35 4.359 34.72! 6.001 -0.749 14.141 0.000 0.000	9.545 9941 12 9 1 2 9 1 2 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 9	CU. FEI 160990.1 15823.6 126052.5 21832.6 0.1 54053.6 0.6	9.900 ET P	PERCI- 199.1 78 13 9.1 9.1 9.1 9.1

0.0023

PRECIPITATION	4.90 7.17	2.07 11.97	5.76 3.97	3.18 1.01	3.96 3.96	3.45 2.50
RUNOFF	0.104	0.021	0.401	0.005 0.000	0.156	
EVAPOTRANSPIRATION				3.433 1.577		
LATERAL DRAINAGE COLLECTED FROM LAYER 2	3.4925 0.0013	0.2841 2.5952	2.2896 0.8860	0.1918 0.0031	0.0063 0.0000	0.0008 1.7831
PERCOLATION/LEAKAGE THROUGH LAYER 4				0.0000 0.0000		
MONTHLY SUMM	ARIES FO	R DAILY H	IEADS (II	(CHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3				0.000 0.000		
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3				0.001 0.000		
************************	*******	****		****===	****	******
成就要看看你会会要看看你会会看他的面就要看你我们要看到他们	*******	******	******	********	*****	*******
ANNUA	L TOTALS	FOR YEAR				
		INCHES		CU. FEE		ERCENT
PRECIPITATION		53.90		195656.9		
RUNOFF		4.888	3	17742.7	15	9.07
EVAPOTRANSPIRATION		37.665	•	136725.3	159 (69.0B
DRAINAGE COLLECTED FROM LAYER	2	11.533	18	41867.7	66	21.40
PERC./LEAKAGE THROUGH LAYER	4	0.000	1077	0.2	279	0.00
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.002 0.001	0.001 0.002	0.001 0.007	9.001 9.000	0.000 0.000	0.000 0.000
	0.001	0.001	0.002	9.001 9.000 9.001 9.000	0.000	0.000
TOP OF LAYER 3 STD. DEVIATION OF DAILY	0.001 0.002	0.001 0.007	0.002 0.009	0.001 0.000	0.000	0.000 0.000
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	9.001 9.002	0.001 0.007	0.002 0.009	0.001 0.000	0.000 0.000	9.880 9.880 ******
TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.991 6.992	0.001 0.007	0.002 0.009	0.001 0.000	0.000 0.000	9.880 9.880 ******
TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.991 6.992	0.001 0.007 0.007	0.002 0.009	9.001 9.000	0.000 0.000 ***************************	9.999 9.999 ********
TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.991 6.992	0.001 0.007 0********************************	9.992 9.999	9.001 9.000 ********	0.000 0.000 ***************************	9.996 9.996
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL	6.991 6.992	0.001 0.007 *********** FOR YEAR	0.002	9.001 9.000 *********************************	0.000 0.000 ***************************	9.999 9.999
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION	6.991 6.992	0.001 0.007 0********************************	0.002	0.001 0.000 CU. FEE	0.000 0.000 ***************************	9.999 9.999 ***************************
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNDFF	6.001 6.002	0.001 0.007 *********************************	0.002	0.001 0.000 	0.000 0.000 ***************************	9.999 9.999 9.888 9.888 9.999 9.41
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION	0.001 0.002 *********************************	6.001 6.007 ***********************************	0.002	CU. FEE 180846.6 17012.5 142390.9	0.000 0.000 ***************************	0.000 0.000 0.000 0.000 0.000 0.000 9.41
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER	0.001 0.002 *********************************	6.001 6.007 FOR YEAR INCHES 49.82 4.687 39.226 6.363	0.002 0.009	CU. FEE 180846.6 17012.5 142390.9	0.000 0.000 ***************************	9. 989 9. 999 9. 999 9. 41 78. 74
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNGEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	0.001 0.002 *********************************	6.001 6.007 FOR YEAR INCHES 49.82 4.687 39.226 6.363 8.006	0.002 0.009	CU. FEE 180846.6 17012.5 142390.9	e.000 e.000 ****************************	9. 989 9. 999 9. 999 9. 41 78. 74
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER A AVG. HEAD ON TOP OF LAYER 3	0.001 0.002 *********************************	FOR YEAR INCHES 49.82 4.687 39.226 6.363 8.006	0.002 0.009	CU. FEE 188846.6 17012.6 142390.9 23099.1	e. eee e. eee e. ee e. e.	9.989 9.899 9.890 9.41 78.74 9.89
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE	0.001 0.002 *********************************	FOR YEAR INCHES 49.82 4.687 39.226 6.363 0.000	9.902 9.909	CU. FEE 180846.6 17012.6 142390.9 23099.1	e. epe e. epe e	9.989 9.899 9.890 9.41 78.74 9.89
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR	0.001 0.002 *********************************	FOR YEAR INCHES 4.687 39.226 6.363 0.000 13.955	9.992 9.999 1	CU. FEE 188846.6 17012.6 142390.9 23099.1 0.1 -1656.2 48998.9	e.000 e.000	9.989 9.899 9.890 9.41 78.74 9.89
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR	0.001 0.002 *********************************	FOR YEAR INCHES 4.687 39.226 6.363 8.006 9.001 13.955	0.002 0.009	CU. FEE 188846.6 17012.6 142390.9 23099.1 0.1 -1656.2 48998.9	e.000 e.000	9. 989 9. 999 9. 999 9. 41 78. 74 12. 77 9. 89
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	e.ee1 e.ee2	FOR YEAR INCHES 49.82 4.687 39.226 6.363 6.966 13.955 13.498 6.966 6.966	0.002 0.009	CU. FEE 180846.6 17012.6 142390.9 23099.1 6.1 -1656.2 48998.9 0.6	8.000 8.000 1	9.986 9.696 9.871 99.96 9.41 78.74 12.77 8.86
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR	e.ee1 e.ee2	FOR YEAR INCHES 49.82 4.687 39.226 6.363 6.966 13.955 13.498 6.966 6.966	0.002 0.009	CU. FEE 180846.6 17012.6 142390.9 23099.1 6.1 -1656.2 48998.9 0.6	8.000 8.000 1	9.986 9.696 9.871 99.96 9.41 78.74 12.77 8.86
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	e.ee1 e.ee2	FOR YEAR INCHES 49.82 4.687 39.226 6.363 6.966 13.955 13.498 6.966 6.966	0.002 0.009	CU. FEE 180846.6 17012.6 142390.9 23099.1 6.1 -1656.2 48998.9 0.6	8.000 8.000 1	9.986 9.696 9.871 99.96 9.41 78.74 12.77 8.86
TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	e.ee1 e.ee2	FOR YEAR INCHES 49.82 4.687 39.226 6.363 6.966 13.955 13.498 6.966 6.966	0.002 0.009	CU. FEE 180846.6 17012.6 142390.9 23099.1 6.1 -1656.2 48998.9 0.6	8.000 8.000 1	9.986 9.696 9.871 99.96 9.41 78.74 12.77 8.86

JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC

CHANGE IN WATER STORAGE		-0.18	7	-679.	988	-0.35
SOIL WATER AT START OF YEAR		14.14	2	51334.	359	
SOIL WATER AT END OF YEAR		13.95	5	50655.	273	
SNOW WATER AT START OF YEAR		0.00	a	ø.	999	0.00
SNOW WATER AT END OF YEAR		0.00	a	ρ.	900	0.00
ANNUAL WATER BUDGET BALANCE		0.00			e72	0.00
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· ************************************	********	**==**	******	******	*******	*===
	*******	********	******	*******	*******	****
					*****	*****
MONTHLY TOTA					******	* = 0 0 0 1
					******	*****
	ALS (IN IN	CHES) FO	R YEAR	10		
	ALS (IN IN	CHES) FO	R YEAR	10	MAY/NOV	
MONTHLY TOTA	ALS (IN ING	FEB/AUG	N YEAR	10 APR/OCT	MAY/NOV	JUN/I
MONTHLY TOTA	JAN/JUL 	FEB/AUG	N YEAR MAR/SEP	10 APR/OCT	MAY/NOV 	JUN/1
MONTHLY TOTA	JAN/JUL 	FEB/AUG	N YEAR MAR/SEP	10 APR/OCT	MAY/NOV	JUN/1
MONTHLY TOTA	JAN/JUL 2.47 7.41	FEB/AUG 1.15 11.47	MAR/SEP 6.47 5.30	APR/OCT 0.52 0.47	MAY/NOV 4.72 1.24	JUN/I
MONTHLY TOTA	JAN/JUL 2.47 7.41 0.013	FEB/AUG 1.15 11.47 0.099	MAR/SEP 	APR/OCT 0.52 0.47	MAY/NOV 4.72 1.24 0.042	JUN/I
MONTHLY TOTA	JAN/JUL 2.47 7.41 0.013	FEB/AUG 1.15 11.47	MAR/SEP 6.47 5.30 0.587	APR/OCT 0.52 0.47	MAY/NOV 4.72 1.24 0.042	JUN/I
MONTHLY TOTA PRECIPITATION	JAN/JUL 2.47 7.41 0.013 0.944	FEB/AUG 1.15 11.47 0.000 2.522	MAR/SEP 6.47 5.30 0.587 0.310	APR/OCT 0.52 0.47 0.000 0.000	MAY/NOV 4.72 1.24 0.042 0.000	JUN/I
MONTHLY TOTA PRECIPITATION	JAN/JUL 2.47 7.41 0.013 0.944 1.992	1.15 11.47 0.099 2.522 2.128	6.47 5.30 0.587 0.310	APR/OCT 0.52 0.47 0.000 0.000	MAY/NOV 4.72 1.24 0.042 0.000 3.673	JUN/I 6.44 2.10 9.20 9.80
MONTHLY TOTA PRECIPITATION	JAN/JUL 2.47 7.41 0.013 0.944 1.992	FEB/AUG 1.15 11.47 0.000 2.522	6.47 5.30 0.587 0.310	APR/OCT 0.52 0.47 0.000 0.000	MAY/NOV 4.72 1.24 0.042 0.000 3.673	JUN/I 6.44 2.10 9.20 9.80
MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION	JAN/JUL 2.47 7.41 0.013 0.944 1.992 5.813	1.15 11.47 0.000 2.522 2.128 5.582	MAR/SEP 6.47 5.30 0.587 0.310 3.663 4.148	APR/OCT 6.52 6.47 6.000 6.000 2.568 1.720	#AY/NOV 4.72 1.24 0.042 0.000 3.673 0.915	JUN/1 6.44 2.10 9.20 9.90 6.91
MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED	2.47 7.41 0.013 0.944 1.992 5.813	1.15 11.47 0.000 2.522 2.128 5.582 0.3222	6.47 5.30 0.587 0.310 3.663 4.148	APR/OCT 0.52 0.47 0.000 0.900 2.568 1.720 0.4237	4.72 1.24 0.042 0.000 3.673 0.915	JUN/1 6.44 2.10 9.20 9.90 6.91 9.91
MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION	2.47 7.41 0.013 0.944 1.992 5.813	1.15 11.47 0.000 2.522 2.128 5.582	6.47 5.30 0.587 0.310 3.663 4.148	APR/OCT 0.52 0.47 0.000 0.900 2.568 1.720 0.4237	4.72 1.24 0.042 0.000 3.673 0.915	JUN/1 6.44 2.10 9.20 9.90 6.91 9.91
MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	JAN/JUL 2.47 7.41 0.013 0.944 1.992 5.813 0.9267 0.5224	1.15 11.47 e.000 2.522 2.128 5.582 e.3222 e.6507	MAR/SEP 6.47 5.30 0.587 0.310 3.663 4.148 0.5260 2.9951	APR/OCT 0.52 0.47 0.000 0.000 2.568 1.720 0.4237 0.0002	4.72 1.24 0.842 0.869 3.673 0.915 0.8613 0.9668	JUN/J 6.44 2.10 9.20 9.90 6.91 9.90
PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED	JAN/JUL	1.15 11.47 0.000 2.522 2.128 5.582 0.3222 0.6507	6.47 5.30 0.587 0.310 3.663 4.148 0.5260 2.9951	10 APR/OCT 6.52 6.47 6.999 6.999 2.568 1.729 6.4237 6.9992 6.9999	4.72 1.24 0.842 0.869 3.673 0.915 0.8613 0.9668	5.44 2.16 9.26 9.96 6.91 9.96

AVG. HEAD ON TOP OF LAYER 3

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DE
PRECIPITATION	5.32 9.21	2.54 2.68	3.92 1.59		5.01 1.21	7.46 2.77
RUNOFF		0.009 0.010				0.405 0.028
EVAPOTRANSPIRATION	1.884 6.632	2.192 4.160		2.760 0.937		6.457 0.811
LATERAL DRAINAGE COLLECTED FROM LAYER 2		0.9693 0.0000			0.0089 0.0001	
PERCOLATION/LEAKAGE THROUGH LAYER 4					0.0000	
MONTHLY SU	MMARIES FO	R DAILY	HEADS (I	NCHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3					0.000	
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.004 0.002	0.002 0.000				0.000 0.000
************	*******	*****	*****	******	******	*****
*****	******	******	*****	*******	*****	
ANN	UAL TOTALS					
		INCHES		CU. FE		ERCENT
PRECIPITATION		43.45		157723.		90.00
RUNOFF		2.87	9	10418.	771	6.61

36.408

3.7671

132162.250 83.79

13674.656

EVAPOTRANSPIRATION

DRAINAGE COLLECTED FROM LAYER 2

PERC./LEAKAGE THROUGH LAYER	4	0.000	1029	0.1	101	0.00							
AVG. HEAD ON TOP OF LAYER 3		0.000	8				AVERAGE DAILY HEAD ON	0.001	0.001	0.002	0.001	0.000	9.000
CHANGE IN WATER STORAGE		0.404	ı	1467.7	743	0.93	TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.001
SOIL WATER AT START OF YEAR		13.498	3	48998.9	977		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.001 0.000	0.002 0.000	0.003 0.000	0.001 0.000	0.000	0.000 0.001
SOIL WATER AT END OF YEAR		13.903	ı	50466.7	719		***************	******	*******	*****	*******	*****	******
SNOW WATER AT START OF YEAR		0.000)	0.6	900	0.00							
SNOW WATER AT END OF YEAR		0.000)	₽.€	900	0.00	***************		******	*******	*******	******	*******
ANNUAL WATER BUDGET BALANCE		0.000	10	-0.€	902	0.00	ANNUA	L TOTALS	FOR YEA	R 12			
***********	********	******	******	******	*****	******			INCHES		CU. FEI		ERCENT
							PRECIPITATION		39.90		144837.6		00.00
							RUNOFF		2.34	0	8494.	564	5.06
以实在海海水水水水油水水水水水水水水水水水水水水水水水水水水水水	*******	*****	******			*******	EVAPOTRANSPIRATION		35.16	7	127657.	928	88.14
MONTHLY TOTA							DRAINAGE COLLECTED FROM LAYER	2	2.29	14	B317.	768	5.74
MONINET IOIA							PERC./LEAKAGE THROUGH LAYER	4	0.00	0018	0.6	966	0.00
				APR/OCT			AVG. HEAD ON TOP OF LAYER 3		0.00	05			
PRECIPITATION	0.93	2.85	4.0B	1.31	3.74	5.97	CHANGE IN WATER STORAGE		0.10	1	366.1	809	0.25
FRECIFITATION	4.46	7.69	3.09	2.13	2.12	1.53	SOIL WATER AT START OF YEAR		13.90	3	50466.	719	
RUNOFF	0.000 0.002	0.151 0.776	0.399 0.134	0.000 0.061	0.250 0.118	0.449	SOIL WATER AT END OF YEAR		14.00	4	50833.	527	
EVAPOTRANSPIRATION	1.105	1.840	3.203	2.199	4.510	5.566	SNOW WATER AT START OF YEAR		0.00	9	0.6	300	0.00
CASI ALIMIDATION TON	4.426	4.384	4.242	1.705	0.903	1.084	SNOW WATER AT END OF YEAR		0.00	0	0.6	300	0.00
LATERAL DRAINAGE COLLECTED FROM LAYER 2	0.2561 0.0006	0.5990 0.0000	0.71 0 9 0.0009	0.3764 0.0001		0.0004 0.3306	ANNUAL WATER BUDGET BALANCE		0.00	99	-0.6	932	0.00
PERCOLATION/LEAKAGE THROUGH				0.0001			为水水水水水水水水水水水水水水水水水水水水水水水水水 水水水水水水水水水水水	******	*******	*******	******		******
LAYER 4				0.0000									
MONTHLY SUM													
MONTHLY SUM							DRAINAGE COLLECTED FROM LAYER	2	5. 81	99	18222.:	311	13.57
MONTHLY SUM	LS (IN INC	HES) FOR	l YEAR	13			DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER		5.01 0.00			311 126	13.57 0.00
MONTHLY SUM	LS (IN INC	HES) FOR	L YEAR	13 APR/OCT	MAY/NOV	JUN/DEC				0035			
MONTHLY SUM	LS (IN INC	HES) FOR	l YEAR MAR/SEP	13 APR/OCT	MAY/NOV	JUN/DEC	PERC./LEAKAGE THROUGH LAYER		0.00	0035 10		126	
MONTHLY SUM	LS (IN INC	HES) FOR	L YEAR	13 APR/OCT	MAY/NOV	JUN/DEC	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3		0.00	0035 10 1	θ.:	126 282	0.00
MONTHLY SUM	JAN/JUL. 1.51 1.64 6.000	HES) FOR FEB/AUG 5.66 7.64 0.299	MAR/SEP 3.69 2.34 0.394	13 APR/OCT 2.73 0.21 0.094	MAY/NOV 0.59 0.45 0.000	JUN/DEC	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE		0.00 0.00 0.16	0035 10 1	658.3	126 282 527	0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF	JAN/JUL 1.51 1.64 0.000 6.000	FEB/AUG 5.66 7.64 0.299 0.712	MAR/SEP 3.69 2.34 0.304 0.000	2.73 0.21 0.094 0.000	MAY/NOV 0.59 0.45 0.000 0.000	3UN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR		0.00 0.00 0.18	0035 10 1 4	658.: 59833.: 51491.1	126 282 527	0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION	JAN/JUL. 1.51 1.64 6.000	HES) FOR FEB/AUG 5.66 7.64 0.299	MAR/SEP 3.69 2.34 0.394	13 APR/OCT 2.73 0.21 0.094	MAY/NOV 0.59 0.45 0.000	JUN/DEC	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR		9.99 9.99 9.18 14.99	0035 10 1 4 5	658.3 50833.9 51491.1	126 282 527 812	0.49
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED	JAN/JUL	FEB/AUG 	MAR/SEP 	13 APR/OCT 2.73 9.21 9.894 9.896 3.797 9.316 9.8066	MAY/NOV 	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT START OF YEAR		0.000 0.00 0.18 14.00 14.18 0.00	0035 10 1 4 5 0	658.3 50833.9 51491.1	126 282 527 812 200	0.00 0.49
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	JAN/JUL 1.51 1.64 9.000 1.783 1.618 9.4328 9.0406	FEB/AUG 5.66 7.64 6.299 6.712 1.933 5.112 2.4816 6.8014	3.69 2.34 8.304 9.000 3.408 3.948 1.6378 9.2303	13 APR/OCT 2.73 6.21 6.094 6.000 3.797 6.316 6.0006 6.0000	MAY/NOV 0.59 0.45 0.000 0.837 0.309 0.0074 0.0000	JUN/DEC 6.40 4.13 1.754 0.230 4.169 1.167 0.1874 0.0000	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT START OF YEAR	4	0.000 0.16 14.00 14.18 0.000 0.000	9935 19 1 4 5 9	6.5 658.3 50833.5 51491.1 6.6	126 282 527 812 2000	0.00 0.49 0.00 0.00 0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	1.51 1.64 6.000 1.783 1.618 6.4328 6.4900	FEB/AUG 5.66 7.64 6.299 6.712 1.933 5.112 2.4816 6.0014	MAR/SEP 3.69 2.34 0.900 3.408 3.948 1.6378 0.2303 0.0000	13 APR/OCT 2.73 9.21 9.894 9.896 3.797 9.316 9.8066	MAY/NOV 0.59 0.45 0.000 0.837 0.309 0.0074 0.0000	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	0.000 0.16 14.00 14.18 0.000 0.000	9935 19 1 4 5 9	6.5 658.3 50833.5 51491.1 6.6	126 282 527 812 2000	0.00 0.49 0.00 0.00 0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH	1.51 1.64 0.000 1.783 1.618 0.4328 0.0406 0.0000	FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.8014 0.8000	MAR/SEP 3.69 2.34 0.304 0.000 3.408 1.6378 0.2303 0.0000 0.0000	2.73 9.21 9.994 9.800 3.797 9.316 9.8086 9.8086 9.8086	MAY/NOV 0.59 0.45 0.000 0.837 0.309 0.0074 0.0000 0.0000	3UN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	0.000 0.16 14.00 14.18 0.000 0.000	9935 19 1 4 5 9	6.5 658.3 50833.5 51491.1 6.6	126 282 527 812 2000	0.00 0.49 0.00 0.00 0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	1.51 1.64 0.000 1.783 1.618 0.4406 0.0000 0.0000	FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.0014 0.0000	3.69 2.34 8.384 8.394 8.3948 1.6378 9.6969 8.9969	13 APR/OCT 2.73 8.21 8.894 8.896 8.3797 8.316 8.8066 8.8066 8.8066 8.8066	MAY/NOV 0.59 0.45 0.000 0.389 0.0074 0.0000 0.0000 0.0000	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	******	0.00 0.16 14.00 14.16 0.00 0.00	9935 19 1 4 5 9 9	0.: 658.: 50833.: 51491.i 0.4 0.4	282 527 812 200 300 314	0.00 0.49 0.00 0.00 0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM	1.51 1.64 0.000 1.783 1.618 0.4406 0.0000 0.0000	FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.0014 0.0000	3.69 2.34 0.304 0.304 0.408 3.948 1.6378 0.2303 0.0000	13 APR/OCT 2.73 8.21 8.894 8.896 8.3797 8.316 8.8066 8.8066 8.8066 8.8066	MAY/NOV 0.59 0.45 0.000 0.389 0.0074 0.0000 0.0000 0.0000	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	*******	9.990 9.18 14.09 14.18 9.990 9.990	9935 10 1 4 5 9 9	658.: 50833.: 51491.: 0.6 -0.6	282 527 812 200 300 314	0.00 0.49 0.00 0.00 0.00
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM	1.51 1.64 0.000 1.783 1.618 0.4406 0.0000 0.0000	FEB/AUG 5.66 7.64 6.299 6.712 1.933 5.112 2.4816 6.8014 6.8000	3.69 2.34 0.304 0.304 0.408 3.948 1.6378 0.2303 0.0000	13 APR/OCT 2.73 9.21 9.994 9.899 9.319 9.999 9.8999 NCHES)	MAY/NOV 0.59 0.45 0.000 0.389 0.0074 0.0000 0.0000 0.0000	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	0.000 0.18 14.000 14.18 0.000 0.000	9935 1 4 5 9 90 THE STATE OF THE STATE	658.: 50833.: 51491.: 0.: -0.:	126 282 527 812 200 300 314	0.00 6.49 6.00 6.00
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON	JAN/JUL 	HES) FOR FEB/AUG 5.66 7.64 6.299 6.712 1.933 5.112 2.4816 6.8014 6.8000 0.8000	MAR/SEP 3.69 2.34 0.900 3.408 3.948 1.6378 0.2303 0.0000 8.0000	13 APR/DCT 2.73 9.21 9.894 9.806 3.797 9.316 9.8066 9.8066 9.8066 9.8066 9.8066	MAY/NOV 0.59 0.45 0.000 0.000 0.0074 0.0000 0.0000 0.0000	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	S (IN IN	0.000 0.18 14.000 14.18 0.000 0.000	9935 10 1 4 5 9 90 MAR/SEP	658.: 59833.: 51491.: 0.4 -0.4	126 282 527 812 2990 390 314	0.00 6.49 0.00 0.00 0.00
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	LS (IN INC JAN/JUL 1.51 1.64 0.000 1.783 1.618 0.4328 0.0406 0.0000 0.0000 MARIES FOR	HES) FOR FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.0014 0.0000 DAILY F 0.006 0.008 0.008 0.008	MAR/SEP	13 APR/DCT 2.73 9.21 9.894 9.800 3.797 9.316 9.8006 9.8000 9.8000 9.8000 9.8000 9.8000 9.8000	MAY/NOV 	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	S (IN IN	0.000 0.18 14.000 14.18 0.000 0.000 0.000	9935 10 1 4 5 9 90 ********************************	658.: 50833.: 51491.1 0.4 -0.4 -0.4	126 282 527 812 2990 390 314	0.00 6.49 0.00 0.00 0.00
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY	LS (IN INC JAN/JUL 1.51 1.64 0.000 1.783 1.618 0.4328 0.0406 0.0000 0.0000 MARIES FOR	HES) FOR FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.0014 0.0000 DAILY F 0.006 0.008 0.008 0.008	MAR/SEP	13 APR/DCT 2.73 9.21 9.894 9.800 3.797 9.316 9.8006 9.8000 9.8000 9.8000 9.8000 9.8000 9.8000	MAY/NOV 	JUN/DEC 	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	S (IN IN	0.000 0.18 14.000 14.18 0.000	9935 10 1 4 5 9 90 8 ********************************	658.: 59833.: 51491.: 0.4 -0.4 -0.4 -1.14 APR/OCT	126 282 527 912 990 314 ***********************************	0.00 0.49 0.00 0.00 0.00 3.16 3.41
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	1.51 1.51 1.64 9.000 1.783 1.618 9.0406 9.0000 9.0000 MARTIES FOR	HES) FOR FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.8014 0.8060 0.8060 0.8060 0.8060 0.8060 0.8080 0.8080	3.69 2.34 0.900 3.408 3.948 1.6378 0.2303 0.0000 0.0000 0.0000	13 APR/OCT 2.73 6.21 6.994 6.909 3.797 6.316 6.9096 6.9096 NCHES)	MAY/NOV 0.59 0.45 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	JUN/DEC 6.40 4.13 1.754 9.230 4.169 1.167 9.0000 9.0000 9.0000 9.0000 9.0000 9.0000	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	5 (IN IN	0.00 0.18 14.00 14.18 0.00 0.00 FEB/AUG	9935 10 1 4 5 9 9 9 ********* R YEAR MAR/SEP 6.28	658.: 50833.: 51491.1 0.4 -0.4 -0.4	126 282 527 812 990 814 ***********************************	0.00 0.49 0.00 0.00 0.00 0.00 3.11
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	1.51 1.64 0.000 1.783 1.618 0.4406 0.0000 0.0000 0.0000 0.0000 0.0000	FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 0.0014 0.0000 0.0000	3.69 2.34 8.384 8.394 8.3948 1.6378 9.6969 8.9690 8.9690 8.9690 8.9691	13 APR/OCT 2.73 6.21 6.994 6.909 3.797 6.316 6.9096 6.9096 NCHES)	MAY/NOV 0.59 0.45 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	JUN/DEC 6.40 4.13 1.754 9.230 4.169 1.167 9.0000 9.0000 9.0000 9.0000 9.0000 9.0000	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	5 (IN IN	0.000 0.18 14.00 14.18 0.0000 0.0000 0.0000 0.00	9935 19 1 4 5 9 9 9 8 YEAR MAR/SEP 6.28 5.16 8.514 9.117 2.924	9.: 658.: 50833.! 51491 9.4 9.4 -0.6 14 APR/OCT 1.14 6.76 6.017 6.000 3.158	HAY/NOV 6.46 0.66 0.286 0.000 5.829	0.00 0.49 0.00 0.00 0.00
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	1.51 1.64 0.000 1.783 1.618 0.4328 0.0406 0.0000 0.0000 0.0001 0.0000 0.0001	HES) FOR FEB/AUG 5.66 7.64 6.299 6.712 1.933 5.112 2.4816 6.0004 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	MAR/SEP 3.69 2.34 0.304 0.900 3.408 3.948 1.6378 0.2303 0.0000 0.0000	13 APR/OCT 2.73 8.21 9.894 9.899 3.797 9.316 9.8989 9.8989 0.8989 9.8989 9.8989	MAY/NOV 	JUN/DEC 6.40 4.13 1.754 9.230 4.169 1.167 9.1874 9.9999 9.9999	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION	5 (IN IN JAN/JUL 9.96 4.62 6.000 6.138 1.526 3.855	0.00 0.18 14.00 14.18 0.00 0.00 0.00 0.00 1.63 5.52 0.005 0.404 2.273 4.193	0035 10 1 4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	658.: 50833.! 51491 0.4 0.4 -0.4 APR/OCT 1.14 6.76 6.017 6.000 3.158 1.968	126 282 527 812 399 314 ******** MAY/NOV 6.46 9.66 9.66 9.286 9.099 9.844	0.00 0.49 0.00 0.00 0.00 ********************
MONTHLY SUM PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	1.51 1.64 0.000 1.783 1.618 0.4328 0.0406 0.0000 0.0000 0.0001 0.0000 0.0001	FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.0014 0.0000	MAR/SEP	13 APR/OCT 2.73	MAY/NOV	JUN/DEC	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTAL PRECIPITATION RUNOFF	5 (IN IN	0.000 0.18 14.00 14.18 0.0000 0.0000 0.0000 0.00	9935 19 1 4 5 9 9 9 8 WAR/SEP 	658.: 59833.: 51491.I 0.6 0.6 -0.6 14 APR/OCT 1.14 0.76 0.017 0.000 3.158 1.968	126 282 527 312 399 314 ***********************************	0.00 0.49 0.00
MONTHLY SUM MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	1.51 1.64 0.000 1.783 1.618 0.4328 0.0406 0.0000 0.0000 0.0001 0.0000 0.0001	HES) FOR FEB/AUG 5.66 7.64 0.299 0.712 1.933 5.112 2.4816 0.8014 0.8080 0.8080 0.8080 0.8080 0.8080 0.8080 0.8080 0.8080 0.8080	MAR/SEP	13 APR/OCT 2.73 9.21 9.994 9.090 3.797 9.316 9.0909 9.0909 NCHES)	MAY/NOV	JUN/DEC 6.40 4.13 1.754 9.230 4.169 1.167 9.1874 9.0000 9.0000 9.0000 9.0000 9.0000 9.0000 9.0000	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED	S (IN IN I	0.000 0.18 14.000 14.18 0.000 0.000 0.000 0.000 0.000 0.000 1.63 5.52 0.005 0.404 2.273 4.193	######################################	658.: 50833.! 51491. 0.4 0.4 -0.4 4.4 APR/OCT 1.14 4.76 6.017 6.000 3.158 1.968 6.5508 6.0042	126 282 527 812 999 914 ******* MAY/NOV 6.46 9.66 9.286 9.099 9.829 9.829 9.0999	0.00 0.49 0.00 0.00 0.00 0.00 3.16 3.41 0.127 0.328 3.865 1.167 0.0001 0.0663

EVAPOTRANSPIRATION

28.396

103077.633

76.77

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)							
		0.000					
		0.000					
		0.000					
***********		*******	*****	******	*****	******	

化水面面面涂水水面面涂水水面面水油水水面面涂水水面面面水水水		******	*****	*******	*****	******	
ANNUAL	TOTALS	FOR YEAR	14				
		INCHES		CU. FEI		PERCENT	
PRECIPITATION		39.76		144328.		100.00	
RUNOFF		1.936		7026.	992	4.07	
EVAPOTRANSPIRATION		35.B19		130024.	502	90.09	
DRAINAGE COLLECTED FROM LAYER	2	2.8554	ı	10364.	968	7.18	
PERC./LEAKAGE THROUGH LAYER 4		0.0006	20	0.6	373	0.00	
AVG. HEAD ON TOP OF LAYER 3		0.0006	5				
CHANGE IN WATER STORAGE		-0.851		-3087.1	949	-2.14	
SOIL WATER AT START OF YEAR		14.185		51491.1	312		
SOIL WATER AT END OF YEAR		13.334		48403.9	961		
SNOW WATER AT START OF YEAR		0.000		0.6	300	0.00	

0.000

0.00

SNOW WATER AT END OF YEAR

ANNUAL WATER BUDGET BALANCE

EVAPOTRANSPIRATION	31.151	113079.070	71.28
DRAINAGE COLLECTED FROM LAYER 2	5.9856	21727.713	13.70
PERC./LEAKAGE THROUGH LAYER 4	0.000042	0.154	0.00
AVG. HEAD ON TOP OF LAYER 3	0.0012		
CHANGE IN WATER STORAGE	0.758	2750.797	1.73
SOIL WATER AT START OF YEAR	13.334	48403.961	
SOIL WATER AT END OF YEAR	14.092	51154.758	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	B.00
ANNUAL WATER BUDGET BALANCE	0.0000	0.028	0.00
********************	**********	**********	******

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MONTHLY	/ TOTALS (IN IN					
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.75 10.04	3.05 7.93				
RUNOFF	9.008 002.0	0.049 0.440	0.058 0.037		0.030 0.000	0.596 0.000
EVAPOTRANSPIRATION		2.293 5.488	3.478 4.268			
LATERAL DRAINAGE COLLECTE FROM LAYER 2	D 0.5776		0.0374 0.6789			
PERCOLATION/LEAKAGE THROU LAYER 4	JGH 0.0000 0.0000					0.0000 0.0000

***************	*****	******	*****	*******	******	******
MONTHLY TOTA	ALS (IN IN	CHES) FOR	R YEAR	15		
		FEB/AUG				
PRECIPITATION	9.66 5.96	4.46 7.78	1.62 7.59	0.16 1.32	5.79 1.54	2.55 4.27
RUNOFF		0.066 1.491	0.000 1.356	0.000 0.001	1.829 0.029	0.026 0.656
EVAPOTRANSPIRATION	1.656 3.921		3.246 2.658	1.141 1.816		
LATERAL DRAINAGE COLLECTED FROM LAYER 2	0.1606 0.0004	0.0006 1.0903		0.0062 0.3420		
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0000 0.0000	0.0000 0.0000				
MONTHLY SUI	MMARIES FO	R DAILY H	HEADS (I	NCHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000 0.003				0.000 0.004
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.001 0.000	0.000 0.004				
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****************	*****	***=**	*=****	*******	******	******
ANN	JAL TOTALS	FOR YEAR	R 15			
		INCHES		CU. FE	ET P	ERCENT
PRECIPITATION		43.70		159631.		00.00
RUNOFF		5.80	,	21073.	244	13.28

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)							
VERAGE DAILY HEAD ON	0.001	0.002	0.000	0.000	0.000	0.00	
TOP OF LAYER 3	0.004	0.003	0.002	0.000	0.000	9.00	
		0.002			0.000	0.00	
HEAD ON TOP OF LAYER 3	0.004	0.005	0.002	9.000	0.000	0.00	
今日南南水水田 西南安亚州 医西西泽兰 医阴道性 医阴道性 医阴道性 医皮肤炎 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基		****	******	****	******	**=***	
ANNUAL	TOTALS	FOR YEAR					
		INCHES		CU. FEI	ET	PERCENT	
PRECIPITATION		43.60		158267.9		100.00	
RUNOFF		2.211	ı	8026.	B43	5.07	
EVAPOTRANSPIRATION		36.83	2	133699.	344	84.48	
DRAINAGE COLLECTED FROM LAYER	2	6.17	52	22415.9	945	14.16	
PERC./LEAKAGE THROUGH LAYER 4		0.000	3044	0.1	160	0.00	
		0.001	12				
AVG. HEAD ON TOP OF LAYER 3					330	-3.71	
AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE		-1.61	3	-5874.	330		
		-1.614 14. 0 92		-5874.: 51154.:			
CHANGE IN WATER STORAGE			2		758		
CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR		14.09	<u>.</u> 1	51154. 45280.	758	ø. 00	
CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR		14.092 12.474	<u>.</u> 1	51154. 45280.4	758 430		

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MONTHLY TOTAL	S (IN IN	CHES) FO	R YEAR	17		
		FEB/AUG				
PRECIPITATION	2.70 7.94	7.01 15.04	3.69 6.69	4.53 2.52	3.61 1.73	4.66 1.89
RUNOFF	0.056 0.737	1.300 2.332	0.044 2.219	9.160 9.000	0.365 0.000	0.094 0.173
EVAPOTRANSPIRATION	1.207 6.587				3.709 0.779	6.335 1.013
LATERAL DRAINAGE COLLECTED FROM LAYER 2		2.4035 4.1650			0.0059 0.0001	
PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000 0.0000			0.0000 0.0000	
MONTHLY SUMM						
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.002 0.000	0.006 0.010				
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.003 000.0	0.008 0.013			0.000	
医医费马特医医费马特斯水香香油水医医马马油医医马马油水	******	*****	******	******	*** K * * *	*****
**************************************		**************************************		******	******	******
		INCHES		CU. FE	ET P	ERCENT
PRECIPITATI O N		62.01		225096.		99.99

LAYER 4	6.0000	0.0000	0.0000	0.0000	0.0000	0.00 0
MONTHLY SUMMA	RIES FOR	DAILY H	EADS (II	(CHES)		
	696.9 999.9	0.009 0.000			0.000	
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3		0.009			0.000	
****************	******	*****		********	*******	******
***************************************				*******	*******	******
ANNUAL		FOR YEAR				DEFUT
		INCHES		CU. FEE		RCENT
PRECIPITATION		53.03		192498.B	75 16	10.00
RUNOFF		4.596		16684.9	0 8	8.67
EVAPOTRANSPIRATION		39.269		142548.2	50 7	4.05
DRAINAGE COLLECTED FROM LAYER	2	8.156	6	29608.5	31 1	15.3B
PERC./LEAKAGE THROUGH LAYER 4		0.000	054	0.1	95	0.00
AVG. HEAD ON TOP OF LAYER 3		0.001	7			
CHANGE IN WATER STORAGE		1.007		3657.1	30	1.90
SOIL WATER AT START OF YEAR		13.092		47523.0	23	
SOIL WATER AT END OF YEAR		14.099		51180.1	52	
SNOW WATER AT START OF YEAR		0.000		0.0	00	0.00
SNOW WATER AT END OF YEAR		0.000		0.0	00	0.00
ANNUAL WATER BUDGET BALANCE		0.000	0	-0.1	29	0.00
	*******	***=**		********	**=****	******

RL	NOFF	7.468	27181.236	12.08
EV	APOTRANSPIRATION	40.985	148774.B12	56.09
DR	AINAGE COLLECTED FROM LAYER 2	12.9194	46897.340	20.03
PE	RC./LEAKAGE THROUGH LAYER 4	0.000003	0.300	0.00
AV	G. HEAD ON TOP OF LAYER 3	0.0026		
CH	ANGE IN WATER STORAGE	0.618	2242.592	1.00
50	IL WATER AT START OF YEAR	12.474	45280.430	
50	IL WATER AT END OF YEAR	13.092	47523.023	
SN	OW WATER AT START OF YEAR	0.000	0.000	0.00
SN	OW WATER AT END OF YEAR	0.000	0.000	0.00
A٨	NUAL WATER BUOGET BALANCE	0.0000	0.022	0.00
••••	****************************	**********	*********	*******

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MONTHLY TOTAL	LS (IN IN	CHES) FO	R YEAR	18		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION		6.40 6.40				
RUNOFF	0.037 0.022	0.835 0.444	1.721 0.000	0.019 0.000	0.224 0.452	0.839 0.002
EVAPOTRANSPIRATION	1.799 3.806	1.874 4.985		4.485 1.417		6.480 0.979
LATERAL DRAINAGE COLLECTED FROM LAYER 2	1.2126 0.0019	3.3629 0.0016	3.0175 0.1227			
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	9.0000	0.0000	0.0000

MONTHLY TOT	ALS (IN IN	CHES) FO	1 YEAR	19		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION		4.74 10.48	3.73 7.69	1.27		3.57
RUNOFF	0.026		0.130		0.000	0.041 0.021
EVAPOTRANSPIRATION	1.751	2.10B 6.39B	3.384 4.612		1.524	3.191 1.077
LATERAL DRAINAGE COLLECTED FROM LAYER 2	0.3465 0.5149			0.5796 4.5752	0.0001 2.8909	
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0000 0.0000				0.0000 0.0000	
MONTHLY SU	MMARIES FO	R DAILY I	HEADS (II	(CHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3			0.001 0.004		0.000 0.007	0.000 0.004
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.001 0.004					
************	*******	******	*******	*******	******	******
**************************************	UAL TOTALS				*******	******

 1.830
 2.263
 3.648
 4.860
 4.722
 5.518

 6.487
 6.172
 3.302
 2.001
 0.983
 0.966

PRECIPITATION		58.07		213698.1	25 10	90.00							
RUNDEF		5.739	5	20818.6	i46	9.74	PERCOLATION/LEAKAGE THROUGH LAYER 4				9.0000 9.0000		
EVAPOTRANSPIRATION		35.0B2	2	127346.9	169	59.59							
DRAINAGE COLLECTED FROM LAY	ER 2	17.834	44	64739.6	147	90.29	MONTHLY SUMM	ARIES FOR	DAILY H	EADS (IN	ICHES)		
PERC./LEAKAGE THROUGH LAYER	4	0.000	011 7	0.4	126	0.00							
AVG. HEAD ON TOP OF LAYER	3	0.003	35				AVERAGE DAILY HEAD ON	9.006	0.009	0.002	0.000	0.000	0.003
CHANGE IN WATER STORAGE		0.218	8	792.9	186	0.37	TOP OF LAYER 3	0.005	0.000	0.000	0.000	0.000	0.004
SOIL WATER AT START OF YEAR		14.099	9	51180.1	52		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.005 0.005	0.011 0.000	0.002 0.000	0.000 0.000	0.000	0.008 0.005
SOIL WATER AT END OF YEAR		14.318	8	51973.1	37		电水布特特法法系布布斯斯米米布布斯斯米米布格斯斯米米	******	*****	******		******	******
SNOW WATER AT START OF YEAR		0.000	Э	0.6	999	0.00							
SNOW WATER AT END OF YEAR		0.000	a	0.6	999	0.00	用用电影会员的用户的现在分词的现在分词的现在分词的现在分词的现在分词的现在分词的现在分词的现在分词	*****	***		*******	**=***	******
ANNUAL WATER BUDGET BALANCE		0.000	ae	0.6	50	0.00		L TOTALS					
***************	********	3**ER###	*******	********	******	*******			INCHES		CU. FEE	T P	ERCENT
							PRECIPITATION		55.32		200811.5		00.00
							RUNOFF		5.367		19482.3	40	9.70
****************							EVAPOTRANSPIRATION		38.029	•	138045.1	25	68.74
							DRAINAGE COLLECTED FROM LAYER	2	12.544	Ð	45534.7	11	22.68
MONTHLY TOTA							PERC./LEAKAGE THROUGH LAYER	4	0.000	082	0.2	98	0.00
			MAR/SEP				AVG. HEAD ON TOP OF LAYER 3		0.002	.5			
							CHANGE IN WATER STORAGE		-0.520)	-2250.8	80	-1.12
PRECIPITATION	3.86 7.41	7.49 7.62	2.34 4.70	1.19 9.11	1.53 1.96	12.61 4.50	SOIL WATER AT START OF YEAR		14.318		51973.1	37	
RUNOFF	0.216	0.633	0.000	0.000	0.000	1.789	SOIL WATER AT END OF YEAR		13.698		49722.2	58	
	9.889	1.157	0.383	0.000	0.000	0.310	SNOW WATER AT START OF YEAR		0.000)	0.0	00	0.00
EVAPOTRANSPIRATION	1.808 7.237	2.302 6.114	3.375 4.424	2.343 1.454	1.698 0.765	5.404 1.104	SNOW WATER AT END OF YEAR		0.000	•	0.0	00	0.00
LATERAL DRAINAGE COLLECTED FROM LAYER 2			0.8424 0.0588				ANNUAL WATER BUDGET BALANCE		0.000	10	0.0	28	0.00
*********	*******	******	*******	******	*****							т в	
													FREENT
							DRECTRITATION		INCHES		176635 7		ERCENT
							PRECIPITATION		48.66		176635.7	81 1	00.00
	*********						RUNOFF		48.66 4.839	,	176635.7 17567.0	81 1 94	9.95
MONTHLY TOTA	ALS (TN TNO	********		********	******	P#0000	RUNOFF EVAPOTRANSPIRATION	3	48.66 4.839 37.186	•	175635.7 17567.0 134964.2	81 1 94 81	9.95 76.41
		CHES) FOR	R YEAR	21			RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER		48.66 4.839 37.186 5.896))	176635.7 17567.8 134964.2 21383.5	81 1994 81 25	9.95 76.41
		CHES) FOR	R YEAR	21			RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER		48.66 4.839 37.186 5.896 8.606	9 98 9943	175635.7 17567.0 134964.2	81 1994 81 25	9.95 76.41
PRECIPITATION	JAN/JUL	CHES) FOR	R YEAR	21 APR/DCT	MAY/NOV	JUN/DEC	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3		48.66 4.839 37.186 5.896 0.006	9 8 9 9 9 9 2	175635.7 17567.0 134964.2 21383.5	81 1: 94 81 25 56	9.95 76.41 12.11 0.00
	JAN/JUL 2.20	FEB/AUG	R YEAR MAR/SEP 4.70	21 APR/OCT	MAY/NOV 	JUN/DEC5.14	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE		48.66 4.839 37.186 5.896 0.006 0.001	9 98 8 9943 2	175635.7 17567.0 134964.2 21383.5 0.1	81 1: 94 81 25 56	9.95 76.41
RUNOFF	JAN/JUL 2.20 8.00	FEB/AUG 2.62 8.81	MAR/SEP 4.70 3.09	21 APR/OCT 1.43 4.09	MAY/NOV 3.57 2.13	JUN/DEC 5.14 2.88	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR		48.66 4.839 37.186 5.896 0.000 0.001 0.756	988 9843 2	176635.7 17567.0 134964.2 21383.5 0.1 2720.7	81 1 ¹ 94 81 - 25 56 62 58	9.95 76.41 12.11 0.00
RUNOFF	JAN/JUL 2.20	FEB/AUG	R YEAR MAR/SEP 4.70	21 APR/OCT 1.43 4.09	MAY/NOV 	JUN/DEC5.14	RUNDFF EVAPDTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR		48.66 4.839 37.186 5.896 0.896 0.891 13.598	8 18 18 18 18 18 18 18 18 18 18 18 18 18	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2	81 1/94 81	9.95 76.41 12.11 0.00
	JAN/JUL 2.20 8.00 6.033	FEB/AUG 2.62 8.81 0.000 1.507	MAR/SEP 4.76 3.09 0.693 0.053	APR/OCT 1.43 4.09 0.009 0.542	MAY/NOV 	JUN/DEC 	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR		48.66 4.839 37.186 5.896 8.606 8.601 9.756 13.698 14.447 8.606	988	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0	81 1 1 94 81 7 25 56 62 58 20 00 00	9.95 76.41 12.11 0.00
EVAPOTRANSPIRATION	JAN/JUL 2.20 8.00 9.033 1.065 1.730 6.172	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466	MAR/SEP 4.76 3.09 0.693 0.053 3.393 3.556	21 APR/OCT 1.43 4.09 0.009 0.542 1.958 1.922	MAY/NOV 3.57 2.13 0.236 0.068 3.836 0.974	JUN/DEC 5.14 2.88 0.454 0.180 3.971 1.079	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR		48.66 4.839 37.188 5.896 0.000 0.001 0.756 13.598 14.447 0.000	988	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	81 1 1 94 81 7 5 5 6 6 2 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9.95 76.41 12.11 0.00 1.54 0.00
EVAPOTRANSPIRATION	2.20 8.00 0.033 1.065 1.730 6.172 0.3269	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571	MAR/SEP 4.76 3.09 0.693 0.053	21 APR/OCT 1.43 4.89 0.809 0.542 1.958 1.922 0.8610	MAY/NOV 3.57 2.13 0.235 0.068 3.835 0.974	JUN/DEC 5.14 2.88 0.454 0.180 3.971 1.079 0.0000	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	4	48.66 4.839 37.186 5.896 0.606 0.601 13.598 14.447 0.606 0.606	98 98 98 94 93 94 96	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	81 1: 94 81 : 25 56 62 58 20 60 60 60 60 60 60 60 60 60 60 60 60 60	9.95 76.41 12.11 0.00 1.54 0.00 0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	JAN/JUL 2.20 8.00 9.033 1.065 1.730 6.172 9.3269 9.0000	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455	MAR/SEP 4.70 3.09 0.693 0.053 3.393 3.556 1.9457	21	3.57 2.13 0.235 0.068 3.835 0.974 0.0000 1.2022	JUN/DEC	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	48.66 4.839 37.186 5.896 0.606 0.601 13.598 14.447 0.606 0.606	98 98 98 94 93 94 96	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	81 1: 94 81 : 25 56 62 58 20 60 60 60 60 60 60 60 60 60 60 60 60 60	9.95 76.41 12.11 0.00 1.54 0.00 0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH	2.20 8.00 6.033 1.065 1.730 6.172 9.3269 6.0000	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455 0.0000 0.0000	MAR/SEP 4.70 3.69 0.693 0.653 3.391 3.556 1.9457 0.1321 0.0000 0.0000	APR/DCT 1.43 4.09 0.809 0.542 1.958 1.922 0.8610 0.1348 0.8080 0.8080	3.57 2.13 6.235 6.068 3.835 6.974 6.0000 1.2022 6.0000	5.14 2.88 9.454 9.180 3.971 1.079 9.0000 1.1845 9.0000	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4 *********	48.66 4.839 37.186 5.896 0.901 0.756 13.598 14.447 0.906 0.906	988 9943 2 9 9 9 9 9 9 9 9	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	81 1: 94 881 : 55 56 62 558 28 989 989 989 849	9.95 76.41 12.11 0.00 1.54 0.00 0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SU	JAN/JUL 2.20 8.00 6.033 1.065 1.730 6.172 6.3269 6.0000 6.0000	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455 0.0000 0.00000	MAR/SEP 4.70 3.09 0.693 0.653 3.393 3.556 1.9457 0.1321 0.0000 0.0000	21 APR/OCT 1.43 4.09 6.009 6.542 1.958 1.922 6.0610 6.1348 6.0000	MAY/NOV 3.57 2.13 6.235 6.068 3.835 6.974 6.0908 1.2022 6.0008	3UN/DEC 5.14 2.88 8.454 6.180 3.971 1.079 9.9000 1.1845 9.9000	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	48.66 4.839 37.186 5.896 0.901 0.756 13.698 14.447 0.906 0.906	98 19943 2 3 4 4 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	881 1: 881 2: 881 3: 881 4: 881 4: 88	9.95 76.41 12.11 0.00 1.54 0.00 0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SU	2.20 8.00 6.033 1.065 1.730 6.172 9.3269 6.0000	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455 0.0000 0.00000	MAR/SEP 4.70 3.69 0.693 0.653 3.391 3.556 1.9457 0.1321 0.0000 0.0000	APR/DCT 1.43 4.09 0.609 0.542 1.958 1.922 0.6610 0.1348 0.6060	3.57 2.13 6.235 6.068 3.835 6.974 6.0000 1.2022 6.0000	5.14 2.88 9.454 9.180 3.971 1.079 9.0000 1.1845 9.0000	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR ANNUAL WATER BUDGET BALANCE	4	48.66 4.839 37.166 5.896 0.901 0.756 13.598 14.447 0.996 0.996	88 19943 2 2 3 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	1994 181 1: 181 2: 182 2: 183 2: 184 2: 185	9.95 76.41 12.11 0.00 1.54 0.00 0.00
PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SU AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	JAN/JUL 2.20 8.00 0.033 1.065 1.730 6.172 0.3269 0.0009 0.0000 0.0000 0.0000 0.0000 0.0000	EHES) FOR FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455 0.0000 R. DAILY F. 0.001 0.001 0.001	MAR/SEP 4.70 3.09 0.693 0.053 3.393 3.556 1.9457 0.1321 0.0000 0.0000 HEADS (IN	21 APR/DCT 1.43 4.89 6.809 6.542 1.958 1.952 6.8610 6.1348 6.8000 WCHES) 6.8000 6.8000 6.8000 6.8000	MAY/NOV 3.57 2.13 6.235 6.066 3.835 6.974 6.0000 1.2022 6.0000 6.0000 6.0003	JUN/DEC	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR ANNUAL WATER BUDGET BALANCE	5 (IN INC	48.66 4.839 37.166 8.896 8.891 19.756 14.447 8.896 8.996 8.906 8.9	98 98 99 99 99 99 99 99 99 99 99 99 99 9	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0	81 1: 81 2: 81 3: 82 3: 83 4: 84 4: 85 4: 86 4: 87 4: 88 5: 88 5: 88 6: 88 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.95 76.41 12.11 0.00 1.54 0.00 0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SU AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY	JAN/JUL 2.20 8.00 0.033 1.065 1.730 6.172 0.3269 0.0009 0.0000 0.0000 0.0000 0.0000 0.0000	EHES) FOR FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455 0.0000 R. DAILY F. 0.001 0.001 0.001	MAR/SEP 4.70 3.09 0.693 0.053 3.393 3.556 1.9457 0.1321 0.0000 0.0000 HEADS (IN	21 APR/DCT 1.43 4.89 6.809 6.542 1.958 1.952 6.8610 6.1348 6.8000 WCHES) 6.8000 6.8000 6.8000 6.8000	MAY/NOV 3.57 2.13 6.235 6.066 3.835 6.974 6.0000 1.2022 6.0000 6.0000 6.0003	JUN/DEC	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4 S (IN INC	48.66 4.839 37.166 9.990 9.991 13.598 14.447 9.996 9.996	98 9943 2 99 99 99 99 99 99 99 99 99 99 99 99 9	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0 0.0	81 1: 81 2: 81 3: 81 4: 81 6: 82 6: 82 8: 84 8:	9.95 76.41 12.11 0.00 1.54 0.00 0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SU AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	JAN/JUL 2.20 8.00 6.033 1.065 1.730 6.172 6.3269 6.0009 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	FEB/AUG 2.62 8.81 0.000 1.507 2.123 6.466 0.5571 0.3455 0.0000 0.001 0.001 0.001 0.001	MAR/SEP 4.70 3.09 0.693 0.053 3.393 3.556 1.9457 0.1321 0.0000 0.0000 HEADS (IN	21 APR/OCT 1.43 4.09 0.009 0.542 1.958 1.922 0.0610 0.1348 0.0000 0.0000	MAY/NOV 3.57 2.13 0.236 0.068 3.836 0.974 0.0000 1.2022 0.0000 0.0000 0.0000 0.0000 0.0000	JUN/DEC 5.14 2.88 0.454 0.180 3.971 1.679 0.6000 1.1845 0.6000 0.6000 0.6000 0.6000	RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	5 (IN INC	48.66 4.839 37.186 5.896 8.901 9.756 13.598 14.447 9.996 8.996	988 9943 2 99 99 99 99 99 99 99 99 99 99 99 99 9	176635.7 17567.0 134964.2 21383.5 0.1 2720.7 49722.2 52443.0 0.0 -0.0	881 1: 994 881 225 56 62 58 20 90 90 44 *********************************	9.95 76.41 12.11 0.00 1.54 0.00 0.00 0.00

ANNUAL TOTALS FOR YEAR 21

ATERAL DRAINAGE COLLECTED FROM LAYER 2		0.0170 0.7125					ANNUAL WATER BUDGET BALANCE		0.00			142	0.00
ERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000 0.0000					*******************	******	*******	******	k 0 0 0 % % % 0	*******	*****
MONTHLY SUM	MARIES FOR	R DAILY H	EADS (I	ICHES)				*****	1*******	*=0000	****===	*******	*****
EDAGE DATIN NEID ON	0.000		0.004	0.004			MONTHLY TOT						
VERAGE DAILY HEAD ON TOP OF LAYER 3	0.002 0.003	0.000 0.002	0.001 0.000	0.001 0.001	0.000 0.005	0.002 0.001							
TD. DEVIATION OF DAILY	0.002	0.000	0.002	0.001	0.000	0.004						MAY/NOV	
HEAD ON TOP OF LAYER 3	0.003 *********	0.002	0.000	0.002	0.003	0.001 ******	PRECIPITATION	2.29 5.86	4.39 1.4 0	7.22 11.59	6.15 9.66	3.89 1.24	5.0E
							RUNOFF	0.038 0.368	0.594 0.004	0.353 1.470	0.532 3.132	0.923 0.000	0.71 0.01
**************************************	AL TOTALS			********	********	******	EVAPOTRANSPIRATION	1.751 5.719	2.455 1.397	3.916 4.466	4.545 2.419	4.435 1.024	4.1
		INCHES		CU. FEE	ET P	ERCENT	LATERAL DRAINAGE COLLECTED FROM LAYER 2					1.3670 0.7152	
PRECIPITATION		54.72		198633.5	62 1	00.0 0	PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	0.0000	0.0000	0.0
RUNOFF		5.491	l	19933.E	865	10.04	LAYER 4	0.0000	0.0000	9.0000	0.0000	0.0000	0.0
EVAPOTRANSPIRATION		42.751	ı	155185.6	572	78.13							
DRAINAGE COLLECTED FROM LAYE	R 2	7.201	2	26140.3	34B	13.16	MONTHLY SU	MMARIES FO	R DAILY	HEADS (II	NCHES)		
PERC./LEAKAGE THROUGH LAYER	4	0.000	0053	0.1	192	0.00							
AVG. HEAD ON TOP OF LAYER 3		0.001	4				AVERAGE DAILY HEAD ON	0.001	0.004	0.005	0.004	0.003	0.0
CHANGE IN WATER STORAGE		-0.724	l	-2626.3	372	-1.32	TOP OF LAYER 3	0.000	0.000	0.006	0.010	0.002	9.0
SOIL WATER AT START OF YEAR		14.447	,	52443.6	320		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.001 0.000	0.006 0.000	0.005 0.009	0.004 0.016	0.006 0.002	0.0
SOIL WATER AT END OF YEAR		13.724	ı	49816.6	54B		*****	*******	******	******		******	****
SNOW WATER AT START OF YEAR		0.000)	0.6	900	0.00							
		0.000		0.6	aaa	0.00	************	*******	*******	******		*******	

AVG. HEAD ON TOP OF LAYER 3	0.0014				AVERAGE DAILY HEAD ON	0.001	0.004	0.005	0.004	0.003
CHANGE IN WATER STORAGE	-0.724	-2626.37	72 -:	1.32	TOP OF LAYER 3	0.000	0.000	0.006	0.010	0.00
SOIL WATER AT START OF YEAR	14.447	52443.02	10		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.001 0.000	0.006 0.000	0.005 0.009	0.004 0.016	0.00
SOIL WATER AT END OF YEAR	13.724	49816.64	I.B		******	*******	*****	******	******	****
SNOW WATER AT START OF YEAR	0.000	0.00	90 (Ð. 90						
SNOW WATER AT END OF YEAR	0.000	0.00	10 i	9.00	*****************	*******	******	******		****
ANNUAL						6.392	6.297		1.430	1.041
	INCHES	CU. FEET		RCENT 	LATERAL DRAINAGE COLLECTED FROM LAYER 2	1.2579 0.0040	0.9366 4.7627			
PRECIPITATION	60.60	219977.98		9.00	PERCOLATION/LEAKAGE THROUGH		0.0000			
NOFF	8.141	29553.40		3.43	LAYER 4	0.0000	0.0000	0.0000	0.0000	0.000
EVAPOTRANSPIRATION	37.496	1361 08 .79		1.87						
DRAINAGE COLLECTED FROM LAYER	2 14.5504	52817.B0	9 24	4.01	MONTHLY SUI					
PERC./LEAKAGE THROUGH LAYER 4	0.000096	0.34	19 (9.00						
AVG. HEAD ON TOP OF LAYER 3	0.0029				AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.003 0.000	0.002 0.011	0.010 0.000	0.001 0.000	0.000
CHANGE IN WATER STORAGE	0.413	1497.70	9 (Ð.6B	STD. DEVIATION OF DAILY	0.002	0.003	0.007	9.881	0.000
SOIL WATER AT START OF YEAR	13.724	49816.64	IB		HEAD ON TOP OF LAYER 3	0.000	0.010	0.000	0.000	0.005
SOIL WATER AT END OF YEAR	14.136	51314.35	5		************************	*******	*******	******	*******	*****
SNOW WATER AT START OF YEAR	0.000	0.00	90 (9.00						
SNOW WATER AT END OF YEAR	0.000	0.00	90 (9.00	**************	******	******	******	*******	**===
ANNUAL WATER BUDGET BALANCE	0.0000	-0.09	3 (9.00		JAL TOTALS				
******************		******	*****	*****			INCHES		CU. FE	ET
					PRECIPITATION		67.91		246513.	
					RUNOFF		9.20	0	33396.	523
· · · · · · · · · · · · · · · · · · ·		**********	*****	*****	EVAPOTRANSPIRATION		42.51	0	154312.	312
			· - = = 4 # # * 1		DRAINAGE COLLECTED FROM LAY	R 2	16.B0	07	60986.	591
MONTHLY TOTALS	(IN INCHES) FOR YEA				PERC./LEAKAGE THROUGH LAYER	4	0.00	0111	θ.	102
	JAN/JUL FEB/AUG MAR/				AVG. HEAD ON TOP OF LAYER	ı	0.00	33		
CIPITATION	2.21 5.20 6.3		6.31		CHANGE IN WATER STORAGE		-0.60	1	-2182.	540
	2.21 5.20 6.3 10.31 11.52 0.9			3.11	SOIL WATER AT START OF YEAR		14.13	6	51314.	355
NOFF	0.003 0.349 0.3			3.335	SOIL WATER AT END OF YEAR		13.53	5	49131.	719
	0.586 1.781 0.0			0.784	SNOW WATER AT START OF YEAR		0.00	0	θ.	300
VAPOTRANSPIRATION	1.798 2.292 3.7	08 2.981	5.990	6.745						

SNOW WATER AT END OF YEAR													
ANNUAL WATER BUDGET BALANCE		0.000	90	-0.€	307	0.00		AL TOTALS					
*************	*******	******	******	******	******	******			INCHES		CU. FEI	ET P	ERCENT
							PRECIPITATION		46.31		160105.		00.00
							RUNOFF		3.81	э	13831.	573	8.23
********************		*****					EVAPOTRANSPIRATION		35.46	5	120737.	394	76.5B
							DRAINAGE COLLECTED FROM LAYE	R 2	7.14	34	25919.	578	15.42
MONTHLY TOTAL							PERC./LEAKAGE THROUGH LAYER	4	0.00	9052	0.:	LBB	0.00
	JAN/JUL						AVG. HEAD ON TOP OF LAYER 3		0.00	14			
PRECIPITATION	2.39	2.88	3.92	2.01	2.67	5.37	CHANGE IN WATER STORAGE		-0.10	5	-383.	264	-0.23
PRECIPITATION	3.09	8.86	7.74	4.40	1.64	1.34	SOIL WATER AT START OF YEAR		13.53	5	49131.	/19	
RUNOFF	0.002 0.200	0.003 1.745	0.278 0.350	0.058 0.387	0.178 0.000	0.605 0.605	SOIL WATER AT END OF YEAR		13.429	•	40748.4	153	
EVAPOTRANSPIRATION	1.824	2.192	3.590	2.988	3.361	4.415	SNOW WATER AT START OF YEAR		0.00	9	0.6	900	0.00
	2.805	6.234	3.802	2.101	1.093	1.058	SNOW WATER AT END OF YEAR		0.00	a	0.6	300	0.00
LATERAL DRAINAGE COLLECTED FROM LAYER 2		0.1834 0.7710		0.2481 3.1642			ANNUAL WATER BUDGET BALANCE		0.00	90	0.6	194	0.00
PERCOLATION/LEAKAGE THROUGH		0.0000					==029××002××=04××=044×	********	*******		*******	******	******
LAYER 4		0.0000											
MONTHLY SUMM							***************	*******	*******	*****	******	******	******
							MONTHLY TOTA						
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.001 0.000	0.000 0.002	0.002 0.000	0.001 0.007	0.000 0.001	0.000 0.002							
STD. DEVIATION OF DAILY	0.001	0.001	0.002	0.001	0.000	0.000			FEB/AUG				
HEAD ON TOP OF LAYER 3	0.000	0.002	0.001	8.008	0.001	0.001	PRECIPITATION	2.16	3.69	1.22	4.50	1.39	6.87
*****************	*********	******	********	********	*******	******		11.00	6.10	2.29	5.10	1.94	5.84
							RUNOFF	0.001 2.551	0.156 0.453	0.000	0.126 0.244	0.013 0.092	0.460 1.012
EVAPOTRANSPIRATION	1.644				2.374	4.165	SNOW WATER AT START OF YEAR		0.990			3 00	0.90
	6.353	5.335	4.404	1.946	0.944	1.228	SNOW WATER AT END OF YEAR		0.00	a	θ.	300	0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	6.353 0.1463		4.404 0.2013	1.946 0.1857	0.944 0.0312	1.228 0.0000		******	0.000 0.000	3 30	0.6 0.6	3 66 363	0.00 0.00
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	6.353 6.1463 6.8918 6.0000 6.0000	5.335 1.6641 0.7580 0.0000 0.0000	4.494 9.2913 9.2795 9.9999	1.946 9.1857 9.0092 9.0000	0.944 0.0312 2.1603 0.0000	1.228 0.0000 2.5748 0.0000 0.0000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000 0.000	3 30	0.6 0.6	3 66 363	0.00 0.00
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH	6.353 0.1463 0.8918 0.0000 0.0000	5.335 1.6641 0.7580 0.0000 0.0000	4.404 0.2013 0.2795 0.0000 0.0000	1.946 0.1857 0.0092 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000	1.228 0.6000 2.5748 0.6000 0.6000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.996 0.996	3 30 ******	9.4 9.4	3 6 3	0.00 0.00 ******
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	6.353 0.1463 0.8918 0.0000 0.0000	5.335 1.6641 0.7580 0.0000 0.0000	4.404 0.2013 0.2795 0.0000 0.0000	1.946 0.1857 0.0092 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000	1.228 0.6000 2.5748 0.6000 0.6000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	******	0.996 0.996 *******	3 30 ********	0.4 0.4 *********	3 6 3	0.00 0.00 ******
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	6.353 0.1463 0.8918 0.0000 0.0000	5.335 1.6641 0.7580 0.0000 0.0000	4.404 0.2013 0.2795 0.0000 0.0000	1.946 0.1857 0.0092 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000	1.228 0.6000 2.5748 0.6000 0.6000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	**************************************	0.000	3 ******** ***************************	8.4 8.4 ********************************	806 363 ********	0.99 0.99 ***********
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP DE LAYER 3 SID. DEVIATION OF DAILY	6.353 0.1463 0.8918 0.0000 0.0000 MARIES FOR 0.000 0.000	5.335 1.6641 9.7589 9.8699 9.8699 2 DAILY H	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (III 0.000 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000 0.0000 0.0000	1.228 0.0000 2.5748 0.0000 0.0000 0.0000 0.0000 0.0000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	LS (IN IN	0.990 0.990 ****************************	3 30 ******** R YEAR MAR/SEP	8.4 8.4 ********************************	2663 263 ********	0.00 0.00 *******
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.353 0.1463 0.8918 0.0000 0.0000 MARIES FOR 0.000 0.0002 0.000 0.0003	5.335 1.6641 0.7580 0.0000 0.0000 1 DAILY H 0.004 0.002	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (III 0.000 0.001 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.944 0.0312 2.1693 0.0000 0.0000 0.0000 0.0005 0.0000 0.0004	1.228 0.0000 2.5748 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	LS (IN IN JAN/JUL	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	3 30 ******** R YEAR MAR/SEP	9.4 9.4 27 APR/OCT	2663 263 ********	0.00 0.00 *******
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP DE LAYER 3 SID. DEVIATION OF DAILY	6.353 0.1463 0.8918 0.0000 0.0000 MARIES FOR 0.000 0.0002 0.000 0.0003	5.335 1.6641 0.7580 0.0000 0.0000 1 DAILY H 0.004 0.002	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (III 0.000 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.944 0.0312 2.1693 0.0000 0.0000 0.0000 0.0005 0.0000 0.0004	1.228 0.0000 2.5748 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION	JAN/JUL 2.09	0.000 0.000 CHES) FOI	3 YEAR MAR/SEP 4.40 1.84	9.4 9.4 27 APR/OCT 4.31 9.56	969 963 9******** MAY/NOV 9.97 4.26	0.99 0.99 0.90 0.90 0.90 0.90 0.90 0.90
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUPP AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.353 6.1463 6.8918 6.0000 6.0000 4ARIES FOR 6.000 6.0002 6.0000 6.0003	5.335 1.6641 0.7580 0.8000 0.8000 1.0000 1.0001 1.0001 0.8004 0.8002	4.494 0.2013 0.2795 0.0000 0.0000 HEADS (IN	1.946 0.1857 0.0092 0.0000 0.0000 NCHES)	0.944 0.0312 2.1693 0.0000 0.0000 0.0000 0.0005 0.0000 0.0004	1.228 9.9999 2.5748 9.9999 9.9999 9.996 9.996 9.996	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	LS (IN IN JAN/JUL	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	9.4 9.4 27 APR/OCT	369 363 ******** ******** MAY/NOV 9.97	0.00 0.00 *****************************
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP DF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.353 6.1463 6.8918 6.0000 6.0000 MARIES FOR 6.000 6.000 6.000	5.335 1.6641 0.7580 0.0000 0.0000 2 DAILY H 0.004 0.002	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (IN 0.000 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 NCHES)	0.944 0.0312 2.1693 0.0000 0.0000 0.0000 0.0005 0.0000 0.0004	1.228 9.9999 2.5748 9.9999 9.9999 9.996 9.996 9.996	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION	2.09 14.07 0.000 3.874	0.000 0.000	3 YEAR MAR/SEP 4.40 1.84 0.060 0.000 3.555	9.4 9.4 27 APR/OCT 4.31 9.56 9.588 9.000 3.562	MAY/NOV 9.97 4.26 2.500 0.724 6.258	0.00 0.00 *****************************
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP DF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.353 6.1463 6.8918 6.0000 6.0000 6.0000 6.0002 6.0000 6.0003	5.335 1.6641 9.7589 6.0009 6.0009 8 DAILY H 9.004 9.002 9.002	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000 0.0005 0.000 0.0004	1.228 0.0900 2.5748 0.0900 0.0900 0.0900 0.0900 0.0906	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF	2.09 14.07 0.000 3.874 2.086 4.371	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	4.40 1.84 0.000 3.555 0.962	4.31 6.56 6.588 6.000 3.562 1.386	9863 ************************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.353 6.1463 6.8918 6.0000 6.0000 6.0000 6.0002 6.0000 6.0003	5.335 1.6641 0.7580 0.8000 0.8000 1 DAILY H 0.804 0.802 0.804 0.802	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (III 0.000 0.001 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.000 0.000 0.000	0.944 0.0312 2.1693 0.0000 0.0000 0.005 0.000 0.004	1.228 0.9909 2.5748 0.9909 0.9909 0.990 0.990 0.990 0.996	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION	JAN/JUL 2.09 14.07 0.000 3.874 2.086 4.371	0.000 0.000	4.40 1.84 0.960 0.962 0.9514	4.31 6.56 6.588 6.000 3.562 1.386	MAY/NOV 9.97 4.26 0.724 6.258 0.876	9.00 9.00 9.00 JUN/DE 2.94 3.23 9.246 5.098 1.360 9.118
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.353 6.1463 6.8918 6.0000 6.0000 6.0000 6.0002 6.0000 6.0003	5.335 1.6641 0.7580 0.0000 0.0000 2 DAILY H 0.004 0.002 0.002	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (III 0.000 0.001 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000 0.005 0.005 0.000 0.004	1.228 0.9909 2.5748 0.9909 0.9909 0.996 0.996 0.996	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED	2.09 14.07 0.000 3.874 2.086 4.371 1.1018 1.6865	0.000 0.000	4.49 1.84 0.660 0.600 3.555 0.962 0.9962 0.9962	9.4 9.4 27 APR/OCT 4.31 9.56 9.588 9.000 3.562 1.386 1.2819 9.0000 9.0000	######################################	JUN/DE 2.94 3.23 6.246 6.118 6.791 8.999
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STO. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA ANNUA PRECIPITATION	6.353 6.1463 6.8918 6.0000 6.0000 6.0000 6.0002 6.0000 6.0003	5.335 1.6641 9.7589 9.8090 9.8090 8 DAILY H 9.804 9.802 9.804 9.802 FOR YEAR INCHES	4.404 0.2013 0.2795 0.0000 0.0000 HEADS (III 0.000 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.944 0.0312 2.1603 0.0000 0.0000 0.0005 0.0000 0.0004 0.0004 0.0004 0.0001	1.228 0.9909 2.5748 0.9909 0.9909 0.996 0.996 0.996 0.996	ANNUAL WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH	2.09 14.07 0.000 3.874 2.086 4.371 1.1018 1.6865	0.000 0.001 0.001 0.001 0.001 1.001	4.49 1.84 0.660 0.600 3.555 0.962 0.9962 0.9962	9.4 9.4 27 APR/OCT 4.31 9.56 9.588 9.000 3.562 1.386 1.2819 9.0000 9.0000	######################################	JUN/DE
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF	6.353 6.1463 6.8918 6.0000 6.0000 6.0000 6.0002 6.000 6.0003	5.335 1.6641 9.7589 9.8090 9.8090 8 DAILY H 9.802 9.804 9.802 FOR YEAR INCHES 52.10 5.111	4.404 0.2013 0.2795 0.0000 0.0000 0.0000 0.001 0.001 0.001 0.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000	0.944 0.0312 2.1603 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	1.228 9.9999 2.5748 9.9999 9.9999 9.996 9.996 9.996 9.996 9.996 9.996 9.996 9.996 9.996	ANNUAL WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH	2.09 14.07 0.000 3.874 2.086 4.371 1.1018 1.6865 0.0000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	4.40 1.84 0.960 0.962 0.9514 0.0002	4.31 6.56 6.588 6.000 3.562 1.386 1.2819 6.0000 6.0000	MAY/NOV 9.97 4.26 2.590 0.724 6.258 0.876 0.6911 0.0000	JUN/DE 2.94 3.23 0.048 0.791 0.090
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SLIPP AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNDEF EVAPOTRANSPIRATION	6.353 6.1463 6.8918 6.0000 6.0000 4.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	5.335 1.6641 9.7589 9.8090 9.8090 8.DAILY H 9.804 9.802 9.804 9.802 FOR YEAR INCHES 52.10 5.111 37.873	4.404 9.2013 9.2795 9.0000 9.0000 1EADS (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	1.228 9.9999 2.5748 9.9999 9.996 9.996 9.996 9.996 9.996 9.9999 9.99	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	2.09 14.07 0.090 3.874 2.086 4.371 1.1018 1.6865 0.0000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	4.40 1.84 9.969 9.969 9.961 9.962 9.9614 9.9699	4.31 6.56 6.588 6.000 3.562 1.386 6.0000 6.0000	999 963 987 997 426 2599 9724 6258 9876 997 426 997 426 90724 6258 9876 997 4090 997 997 997 997 997 997 997	JUN/DE
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP DF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER	6.353 6.1463 6.8918 6.0000 6.0000 4.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	5.335 1.6641 0.7580 0.8000 0.8000 1.001 1.	4.404 9.2013 9.2795 9.0000 9.0000 HEADS (III 9.001 9.001 9.001 9.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	1.228 9.9999 2.5748 9.9999 9.9999 9.9999 9.9996 9.9996 9.9996 9.9999 9.81 71.16	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUR	2.09 14.07 0.090 3.874 2.086 4.371 1.1018 1.6865 0.0000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	4.40 1.84 9.969 9.969 9.961 9.962 9.9614 9.9699	4.31 6.56 6.588 6.000 3.562 1.386 6.0000 6.0000	999 963 987 997 426 2599 9724 6258 9876 997 426 997 426 90724 6258 9876 997 4090 997 997 997 997 997 997 997	JUN/DE 2.94 3.23 0.048 0.791 0.090 0.090
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	6.353 6.1463 6.8918 6.0000 6.0000 4.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	5.335 1.6641 0.7580 0.0000 0.0000 0.0001 0.004 0.002 0.004 0.002 *********************************	4.404 9.2013 9.2795 9.0000 9.0000 HEADS (III 9.000 9.001 8.001 8.001	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0	0.944 0.0312 2.1693 0.0000 0.0000 0.0005 0.0000 0.0005 0.0000 0.0005 0.0000 0.0005 0.0000 0.0005 0.0000 0.0005 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000	1.228 9.9999 2.5748 9.9999 9.9999 9.9999 9.9996 9.9996 9.9996 9.9999 9.81 71.16	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM AVERAGE DAILY HEAD ON TOP OF LAYER 3	2.09 14.07 0.000 3.874 2.086 4.371 1.1018 1.6865 0.0000 MARIES FO	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	3 YEAR 4.40 1.84 0.060 0.900 3.555 0.962 0.9514 0.0002 0.00000	27 APR/OCT 4.31 6.56 6.588 6.000 3.562 1.386 1.2819 6.0000 0.00000	HAY/NOV	JUN/DE
LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3	6.353 6.1463 6.8918 6.0000 6.0000 4.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	5.335 1.6641 9.7589 9.8099 1.004 9.802 9.804 9.802 1.004 9.802 1.0	4.404 9.2013 9.2795 9.0000 9.0000 1EADS (III 9.000 9.001 9.001 9.001 9.001 1.0	1.946 0.1857 0.0092 0.0000 0.0000 0.0000 0.0000 0.0001 0.0000 0.001 0.0000 1.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.0000 0.001 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	e.944 e.9312 2.1693 e.0000 e.0000 e.0000 e.0000 e.0001 e.0	1.228 0.9999 2.5748 0.9999 0.9999 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9996 0.9999	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUR	JAN/JUL 2.09 14.07 0.000 3.874 2.086 4.371 1.1018 1.6865 0.0000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	3 YEAR MAR/SEP	27 APR/OCT 4.31 8.56 6.588 6.000 3.562 1.2819 6.0000 6.0000 NCHES)	MAY/NOV 	JUN/DE

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ANNUAL	L TOTALS FOR YEAR	R 27				EVAPOTRANSPIRATION	1.862 4.064	2.460 2.358	3.105 3.077	4.247 6.798	5.205 1.252	1
	INCHES		CU. FEE	т рі	ERCENT	LATERAL DRAINAGE COLLECTED		0.1454				
ECIPITATION	56.52		205167.5		30.00	FROM LAYER 2		0.0002				
NOFF	8.46	3	30720.4	80 1	14.97	PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000				
APOTRANSPIRATION	37.829	5	137303.3	28 6	56.92							
AINAGE COLLECTED FROM LAYER	2 10.559	55	30316.4	69 1	18.68	MONTHLY SUM	MARIES FO	R DAILY H	HEADS (IN	NCHES)		
RC./LEAKAGE THROUGH LAYER 4	9.000	ð072	0.2	61	0.00							
6. HEAD ON TOP OF LAYER 3	0.002	21				AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.002 0.000	0.000	0.001 0.000	0.001 0.000	0.000	9
NGE IN WATER STORAGE	-0.32	3	-1172.9	23 -	-0.57	STD. DEVIATION OF DAILY	9.000		0.002	9.000	0.002	9
L WATER AT START OF YEAR	14.44	3	52429.4	77		HEAD ON TOP OF LAYER 3	0.001	0.000	0.000	0.000	0.003	6
L WATER AT END OF YEAR	14.126	a	51256.5	55		*****************	********	*******	*******		******	***
N WATER AT START OF YEAR	0.000	a	0.0	00	0.00							
N WATER AT END OF YEAR	0.000	a	0.0	00	0.00	***************************************		*******	*******	********	*******	
UAL WATER BUDGET BALANCE	0.000	30	-0.0	39	0.00	ANNU	AL TOTALS					
***********		*******	********	******	******			INCHES		CU. FEE		ERC
						PRECIPITATION		38.34		139174.2		.00
						RUNOFF		1.466	a	5298.9	51	3.
************	**********	*******	*******	**==0.00	*=0000**	EVAPOTRANSPIRATION		32.959	•	119641.4	184	85.
MONTHLY TOTALS	(IN INCHES) FOR	R YEAR	28			DRAINAGE COLLECTED FROM LAYE	R 2	3.382	28	12279.4	162	8.
						PERC./LEAKAGE THROUGH LAYER	4	0.000	9926	0.6	96	θ.
	JAN/JUL FEB/AUG					AVG. HEAD ON TOP OF LAYER 3		0.000	3 7			
PITATION	1.65 1.96	5.02	2.97	4.84	2.17	CHANGE IN WATER STORAGE		0.538	3	1954.2	204	1.
IL WATER AT END OF YEAR	14.65%	3	53210.7	58		***************************************	收收费者亦 水水管	********	w.co.zzw.c	***********	1 ** ** ** ** ** ** ** ** ** ** ** ** **	***
IL WATER AT END OF YEAR ON WATER AT START OF YEAR	14.659 8.886		53210.7 0.0		0 .00	***************************************	***************	0×9××000;	**************************************	*******	********	****
		a		66	0 . 00 0 . 00	***************************************						
OW MATER AT START OF YEAR	B.000	ə 9	0.0	00 00		*************************	*********	•****•••	**************************************	*******	******	***
OW WATER AT START OF YEAR OW WATER AT END OF YEAR NUAL WATER BUDGET BALANCE	9.996 9.996 9.996	9 9 99	0.0 0.0	00 00 29	0.00 0.00	Annu	*********	•****•••	**************************************	*******)*** ****	***
W WATER AT START OF YEAR W WATER AT END OF YEAR UUAL WATER BUDGET BALANCE	9.996 9.996 9.996	9 9 99	0.0 0.0	00 00 29	0.00 0.00	Annu	*********	FOR YEAR	**************************************	*********	**************************************	*** ERC
W WATER AT START OF YEAR W WATER AT END OF YEAR UUAL WATER BUDGET BALANCE	9.996 9.996 9.996	9 9 99	0.0 0.0	00 00 29	0.00 0.00	ANNU PRECIPITATION RUNOFF	*********	FOR YEAR	**************************************	CU. FEE		*** ERC
N WATER AT START OF YEAR N WATER AT END OF YEAR UAL WATER BUDGET BALANCE	0.000 0.000 0.000	8 8 80 7******	0.0 0.0 0.0	00 00 29 *******	0.00 0.00	ANNU PRECIPITATION RUNOFF EVAPOTRANSPIRATION	AL TOTALS	FOR YEAR	**************************************	CU. FEE	T P	*** PERC 00.
W WATER AT START OF YEAR WATER AT END OF YEAR ULAL WATER BUDGET BALANCE MONTHLY TOTALS	0.006 0.006 0.006	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.0 0.0 0.0	00 00 29 *******************************	0.00 0.00 ********	ANNU PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.275 5.938	29 - - 3	CU. FEE 161462.3 19616.5 128039.5	P*************************************	**** PERC 000. 111. 79.
W WATER AT START OF YEAR W WATER AT END OF YEAR UUAL WATER BUDGET BALANCE	8. 686 8. 686	9 9 99 90 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	0.0	00 00 29 *******************************	0.00 0.00 ********	ANNU PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.273 5.938 0.000	29 - - - - - - - - - - - - - - - - - - -	CU. FEE	P*************************************	**** PERC 000. 111. 79.
W WATER AT START OF YEAR W WATER AT END OF YEAR RUAL WATER BUDGET BALANCE	0.006 0.006 0.006	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.0 0.0 0.0 29	99 29 *********************************	0.00 0.00	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.279 5.938 0.000	29 - - 3 3 39 3041	CU. FEE 161462.3 19616.9 128039.9 21558.1	T P	**** PERC 00. 11.
W WATER AT START OF YEAR W WATER AT END OF YEAR NUAL WATER BUDGET BALANCE	0.000 0.000 0.000 5 (IN INCHES) FOR	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9. 9 9. 9 9. 9	99 29 *********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.279 5.938 0.000 -1.866	3 29 3 3 39 90041	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1	PT P 10775 10916 125 150	**** PERC 000. 111. 79.
W WATER AT START OF YEAR W WATER AT END OF YEAR RUAL WATER BUDGET BALANCE MONTHLY TOTALS	0.000 0.000 0.000 1.000 1.55 3.85 6.46 5.93	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9. 9 9. 9 9. 9 29 APR/OCT	99 99 29 ******************************	0.00 0.00 3.03 1.18	PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR	AL TOTALS	FOR YEAR INCHES 44.4B 5.129 35.27: 5.938 0.006 0.001 -1.866 14.659	3 29 3 3 39 90041	CU. FEE 161462.2 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7	PT P	### PERC 00. 11. 79.
W WATER AT START OF YEAR W WATER AT END OF YEAR RUAL WATER BUDGET BALANCE MONTHLY TOTALS	0.000 0.000 0.000 5 (IN INCHES) FOR	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	9. 9 9. 9 9. 9	99 29 *********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE SOIL WATER AT START OF YEAR	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.273 5.938 0.000 0.000 -1.866 14.659	3 29 3 3 39 3041 12	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7	PT P 1775 17916 2066 225 256 256 256 256 256 256 256 256 2	PERC
W WATER AT START OF YEAR W WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION	0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.00	8 PEAR MAR/SEP 1.165 0.951 3.969	9. 9 9. 9 9. 9 29 APR/OCT 	99 29 ********* MAY/NOV 5.84 1.22 9.789 9.000 4.260	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.27 5.938 0.000 14.659 12.798 0.000	3 29 3 3 39 9941 12 3	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1	PT P P P P P P P P P P P P P P P P P P	***** PERC
W WATER AT START OF YEAR W WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION	0.000 0.000 0.000 0.000 0.000 1.55 3.85 6.46 5.93 0.000 0.295 1.105 0.706 1.796 2.296 5.265 3.379	R YEAR MAR/SEP 7.62 5.95 1.165 6.951 3.969 3.655	9.9 9.0 9.0 29 APR/OCT 	MAY/NOV	JUN/DEC 3. 83 1. 18 0. 637 0. 600 5. 610 1. 132	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.27 5.93 0.000 14.659 12.79 0.000 0.000	3 29 3 3 39 30041 12 3	CU. FEE 161462.3 19616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1	175 10 10 10 10 10 10 10 10 10 10 10 10 10 1	**** PERC
W WATER AT START OF YEAR W WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION AL DRAINAGE COLLECTED	0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.00	R YEAR 7.62 5.95 1.165 6.951 3.969 3.655 3.6215	9.9 9.0 9.0 1.02 9.000 9.000 1.624 1.551 9.1885	99 29 *********************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.27 5.938 0.000 14.650 12.798 0.000 0.000	3 29 3 3 39 30041 12 3 3 3	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1 0.6 -0.6	25 1.50 1.554 1.558 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	**************************************
MATER AT START OF YEAR MATER AT END OF YEAR JULIA WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION AL DRAINAGE COLLECTED H LAYER 2 LATION/LEAKAGE THROUGH	0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	R YEAR 7.62 5.95 1.165 0.951 3.969 3.655 3.6215 0.0000	9.9 9.8 9.8 9.8 29 	MAY/NOV 5.84 1.22 0.789 0.000 4.260 0.736 0.0000 0.0000	9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.27 5.938 0.000 14.650 12.798 0.000 0.000	3 29 3 3 39 30041 12 3 3 3	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1 0.6 -0.6	25 1.50 1.554 1.558 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	**************************************
M WATER AT START OF YEAR M WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION AL DRAINAGE COLLECTED H LAYER 2 LATION/LEAKAGE THROUGH ER 4	8.000 8.000 8.000 8.000 8.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.0000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.00000 9.0000 9.0000 9.0000 9.0000 9.0000 9.0000 9.00000 9	R YEAR MAR/SEP 7.62 5.95 1.165 6.951 3.969 3.655 6.0021 6.0000	9.9 9.9 9.0 0.0 29 APR/OCT 	MAY/NOV 5.84 1.22 0.789 0.000 4.260 0.736 0.0000 0.0000	9.00 9.00 9.00 3.03 1.18 9.037 9.000 5.610 1.132 9.0040 9.0008	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR	AL TOTALS	FOR YEAR INCHES 44.48 5.129 35.27 5.938 0.000 14.650 12.798 0.000 0.000	3 29 3 3 39 30041 12 3 3 3	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1 0.6 -0.6	25 1.50 1.554 1.558 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65	**************************************
M WATER AT START OF YEAR WATER AT END OF YEAR UAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION AL DRAINAGE COLLECTED M LAYER 2 LATION/LEAKAGE THROUGH ER 4	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.0000	R YEAR 7.62 5.95 1.165 0.951 3.969 3.655 3.6215 0.0000 0.0000	9.9 9.8 9.8 9.8 29 APR/OCT 1.02 9.000 1.624 1.551 9.5771 9.000 9.000 9.000	######################################	3.83 1.18 9.937 9.999 5.610 1.132 9.9940 9.9990 9.9990	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOUL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR	AL TOTALS	FOR YEAR INCHES	3 29 3 3 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1	277 P	PERC
M WATER AT START OF YEAR W WATER AT END OF YEAR ULAL WATER BUDGET BALANCE MONTHLY TOTALS PITATION F TRANSPIRATION AL DRAINAGE COLLECTED H LAYER 2 MATION/LEAKAGE THROUGH ER 4 MONTHLY SUMMA	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.0000	R YEAR 7.62 5.95 1.165 0.951 3.969 3.655 3.6215 0.0000 0.0000	9.9 9.8 9.8 9.8 29 APR/OCT 1.02 9.000 1.624 1.551 9.5771 9.000 9.000 9.000	######################################	3.83 1.18 9.937 9.999 5.610 1.132 9.9940 9.9990 9.9990	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	AL TOTALS R 2 4	FOR YEAR INCHES 44.48 5.125 35.275 5.938 0.000 14.655 12.798 0.000 0.000	R 29	CU. FEE 161462.3 19616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1	275 10 1010 1006 1225 150 150 1654 165 1667	99. 11. 79. 13. 9.
MWATER AT START OF YEAR WHATER AT END OF YEAR WHATER AT END OF YEAR WHATER BUDGET BALANCE MONTHLY TOTALS IPITATION FF DTRANSPIRATION RAL DRAINAGE COLLECTED CHAYER 2 DLATION/LEAKAGE THROUGH YER 4	0.000 0.0000	R YEAR MAR/SEP 7.62 5.95 1.165 6.951 3.969 3.655 3.6215 6.0021 6.0000	9. 9 9. 9 9. 9 APR/OCT 1. 92 9. 93 9. 909 9. 909 1. 624 1. 551 9. 1885 9. 5771 9. 9099 9. 9099	MAY/NOV	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR ANNUAL WATER BUDGET BALANCE	AL TOTALS R 2 4	FOR YEAR INCHES 44.48 5.125 35.275 5.938 0.000 14.655 12.798 0.000 0.000	R 29	CU. FEE 161462.3 18616.5 128039.5 21558.1 0.1 -6752.6 53210.7 46458.1 0.6 -0.6	277 P	PERCO

RUNOFF								
1.0 1.0						0.81		
3.667 4.686 4.972 2.916 0.875 1.381	RUNOFF							
PRECIDITATION 0.0016 0.0016 0.0000 0.000	EVAPOTRANSPIRATION							
MONTHLY SUPPARIES FOR DAILY HEADS (INCHES) 0.00000 0.00000 0.00000 0.00000 0.00000 0.000								
MORTHLY SUPMARIES FOR DAILY HEADS (INCHES) AVERAGE DAILY HEAD ON 0.0000 0.0000 0.0								
AVERAGE DAILY HEAD ON								
SID. DEVIATION OF DAILY 0.003 0.0000 0.00000 0.0000 0.0000								
ANNUAL TOTALS FOR YEAR 38 INCHES	AVERAGE DAILY HEAD ON TOP OF LAYER 3							
TOTALS 1.1542 1.0329 1.3108 0.3456 0.1904 0.3462	STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER	9	.003 .000	0.006 0.000	0.007 0.000	0.001 0.000	0.000 0.000	0.000 0.004
TOTALS	************	*******	*****	******	******	*******	****	******
TOTALS								
INCHES CU. FEET PERCENT PRECIPITATION 48.08 174536.375 100.09 RUNDFF 2.793 10136.993 5.81 EVAPOTRANSPIRATION 36.502 132500.906 75.92 DRAINAGE COLLECTED FROM LAYER 2 6.5054 23614.518 13.53 PERC./LEAKAGE THROUGH LAYER 4 0.000044 0.161 0.00 AVG. HEAD ON TOP OF LAYER 3 0.0013 CHANGE IN MATER STORAGE 2.200 8277.850 4.74 TOTALS 1.1542 1.0329 1.3108 0.3456 0.1904 0.9620 STD. DEVIATIONS 1.1227 1.0329 0.9539 1.2217 0.0212 0.9620 STD. DEVIATIONS 1.1227 1.0339 0.9539 1.2217 0.0212 0.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 0.0000 0.000	- ママー・ママケー・マタブプロエルタタブ							
PRECIPITATION 48.08 174530.375 100.00 RUNOFF 2.793 10136.993 5.81 EVAPOTRANSPIRATION 36.502 132500.906 75.92 DRAINAGE COLLECTED FROM LAYER 2 6.5054 23614.518 13.53 PERC./LEAKAGE THROUGH LAYER 4 0.000044 0.161 0.00 AVG. HEAD ON TOP OF LAYER 3 0.0013 CHANGE IN WATER STORAGE 2.280 8277.850 4.74 TOTALS 1.1542 1.0329 1.3108 0.3456 0.1904 0.3402 0.5301 0.0754 0.7025 0.6955 0.4777 0.9620 STD. DEVIATIONS 1.1227 1.0476 1.1269 0.4264 0.5520 0.7117 0.9211 1.3349 0.9539 1.2217 0.8212 0.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 0.0000 0.00						CU. FEI	ET I	PERCENT
EVAPOTRANSPIRATION 36.582 132500.906 75.92 DRAINAGE COLLECTED FROM LAYER 2 6.5054 23614.518 13.53 PERC./LEAKAGE THROUGH LAYER 4 0.000044 0.161 0.00 AVG. HEAD ON TOP OF LAYER 3 0.0013 CHANGE IN WATER STORAGE 2.280 8277.850 4.74 TOTALS 1.1542 1.0329 1.3108 0.3456 0.1904 0.3402 0.5301 0.0754 0.7025 0.6956 0.4772 0.9620 STD. DEVIATIONS 1.1227 1.0476 1.1269 0.4264 0.5520 0.7117 0.9221 1.3349 0.9539 1.2217 0.0212 0.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 0.0000 0.	PRECIPITATION							
EVAPOTRANSPIRATION 36.592 132500.996 75.92 DRAINAGE COLLECTED FROM LAYER 2 6.5054 23614.518 13.53 PERC./LEAKAGE THROUGH LAYER 4 0.000044 0.161 0.00 AVG. HEAD ON TOP OF LAYER 3 0.0013 CHANGE IN WATER STORAGE 2.280 8277.850 4.74 TOTALS 1.1542 1.0329 1.3180 0.3456 0.1904 0.3462 0.5301 0.0754 0.7025 0.6956 0.4772 0.9620 STD. DEVIATIONS 1.1227 1.0476 1.1269 0.4264 0.5520 0.7117 0.9221 1.3349 0.9539 1.2217 0.0212 0.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 0.0000 0.								
DRAINAGE COLLECTED FROM LAYER 2 6.5954 23614.518 13.53 PERC./LEAKAGE THROUGH LAYER 4 9.989844 0.161 9.89 AVG. HEAD ON TOP OF LAYER 3 9.08013 CHANGE IN HATER STORAGE 2.280 8277.850 4.74 TOTALS 1.1542 1.8329 1.3108 9.3456 9.1994 9.3482 9.5391 9.8754 9.7025 9.6956 9.4772 9.9628 STD. DEVIATIONS 1.1227 1.8476 1.1269 9.4264 9.5528 9.7117 9.9217 1.3349 9.9539 1.2217 9.8212 8.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 9.0800 9.8980 9.9980 9.9980 9.8								
PERC./LEAKAGE THROUGH LAYER 4		1 LAYER 2						
TOTALS 1.1542 1.0329 1.3108 0.3456 0.1904 0.3462 0.5301 0.0754 0.7025 0.6956 0.4772 0.9620 0.921 1.3349 0.9539 1.2217 0.8212 0.9679 PERCOLATIONS 1.1227 1.0476 1.1269 0.4264 0.5528 0.7117 0.9221 1.3349 0.9539 1.2217 0.8212 0.9679 PERCOLATION_LEAKAGE THROUGH LAYER 4 TOTALS 0.0000								
TOTALS 1.1542 1.0329 1.3108 0.3456 0.1994 0.3482 0.5301 0.0754 0.7025 0.6956 0.4772 0.9620 0.9721 1.3349 0.9539 1.2217 0.8212 0.9679 PERCOLATIONS 1.1227 1.0476 1.1269 0.4264 0.5528 0.7117 0.9221 1.3349 0.9539 1.2217 0.8212 0.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 0.0000	AVG. HEAD ON TOP OF LAY	/ER 3		0.001	13			
TOTALS 1.1542 1.0329 1.3108 0.3456 0.1904 0.5301 0.8754 0.7025 0.6956 0.4772 0.9620 STD. DEVIATIONS 1.1227 1.6476 1.1269 0.4264 0.5528 0.7117 0.9221 1.3349 0.9539 1.2217 0.8212 0.9679 PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS 0.0000				2 286	,	R277	B5A	4 74
8.5301								
0.921 1.3349 0.9539 1.2217 0.8212 0.9679	TOTALS							
PERCOLATION/LEAKAGE THROUGH LAYER 4 TOTALS	STD. DEVIATIONS							
TOTALS	PERCOLATION/LEAKAGE THE							
### AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES) DAILY AVERAGE HEAD ON TOP OF LAYER 3 AVERAGES ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGES ### AVERAGE HEAD ON TOP OF LAYER 3 DAILY AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGES ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGES ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGES ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE ### AVERAGE HEAD ON TOP OF LAYER 3 ### AVERAGE HEAD O				9.6	1000 D	. 9999	0.0000	0.0000
### AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES) DAILY AVERAGE HEAD ON TOP OF LAYER 3 AVERAGES ### 0.0027 0.0026 0.0031 0.0008 0.0004 0.0008 0.0012 0.0020 0.0017 0.0016 0.0011 0.0022 STD. DEVIATIONS 0.0026 0.0027 0.0026 0.0010 0.0013 0.0017								
AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES) DAILY AVERAGE HEAD ON TOP OF LAYER 3 AVERAGES	STD. DEVIATIONS							
DAILY AVERAGE HEAD ON TOP OF LAYER 3 AVERAGES	AVERAGES (F MONTHLY	AVERA	GED DAIL	Y HEADS	(INCHES)	
AVERAGES 0.0027 0.0026 0.0031 0.0008 0.0004 0.0008 0.0012 0.0017 0.0016 0.0011 0.0022 0.0017 0.0016 0.0011 0.0022 0.0017 0.0016 0.0011 0.0022								
0.0012 0.0020 0.0017 0.0016 0.0011 0.0022 STD. DEVIATIONS 0.0026 0.0027 0.0026 0.0010 0.0013 0.0017								
	AVERAGES		0.00				0 0004	
	STD. DEVIATIONS	0.0027 0.0012	0.00	26 0.6 20 0.6	9031 0 9017 0	.0008 .0016	0.0004 0.0011	0.0008 0.0022
		0.0012 0.0026 0.0022	0.00 0.00	120 0.6 127 0.6 131 0.6	9917 9 9926 9 9923 9	.0016 .0010 .0028	0.0011 0.0013 0.0020	0.0022 0.0017 0.0023
***************************************		0.0012 0.0026 0.0022	0.00 0.00 0.00	920 0.6 927 0.6 931 0.6	9017 0 9026 0 9023 0	.0016 (0.0011 0.0013 0.0020	0.0017 0.0013 0.0023
	*************	6.0012 6.0026 6.0022	0.99 0.99 0.99	0.6 0.7 0.3 0.6 0.8 0.6 0.6 0.8 0.6	9917 9 9926 9 9923 9	.9916 (.9919 (.9928 (9.0011 9.0013 9.0020 *******	0.0017 0.0013 0.0023
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30	AVERAGE ANNUAL TOTAL	0.0012 0.0026 0.0022	0.00 0.00 0.00 0.00	227 0.6 031 0.6 ************************************	9917 9 9926 9 9923 9	.0016 (.0018 (.0	0.0013 0.0020 0.0020 0.0020	0.0022 0.0017 0.0023
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30 INCHES CU. FEET PERCENT	AVERAGE ANNUAL TOTAL	0.0012 0.0026 0.0022	0.00 0.00 0.00 0.00	120 0.6 127 0.6 131 0.6 131 0.6 1334 1334 1334 1334 1334 1334 1334 133	99017	.0010 (.0010 (.0028 (.0	0.0011 0.0013 0.0020 *******	0.0022 0.0017 0.0023
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30 INCHES CU. FEET PERCENT PRECIPITATION 50.57 (8.664) 183580.0 100.00	AVERAGE ANNUAL TOTAL	e.0012 e.0026 e.0022	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	227 0.6 331 0.	9926 9 9923 9 9923 9 9923 9 9923 9	.0016 (.0018 (.0	0.0011 0.0013 0.0020 ********************************	9. 0022 9. 0017 9. 0023 9
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30 INCHES CU. FEET PERCENT	AVERAGE ANNUAL TOTAL PRECIPITATION RUNOFF	0.0012 0.0026 0.0022 	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	220 0.6 227 0.6 231 0.6 231 0.6 231 0.6 231 0.6 248	9026 0 9023 0 9023 0 9023 0 9023 0 9023 0	.0016 (.0028 (.0	0.0011 0.0013 0.0020 ********************************	9.927
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30 INCHES CU. FEET PERCENT	AVERAGE ANNUAL TOTAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION	6.0012 6.0022 5.5 & (STD.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	220 0.6 227 0.6 231 0.6 231 0.6 231 0.6 248 248 248 248 248 248 248 248	9017 0 9026 0 9023 0	.0016 (.0018 (.0028 (.0	0.0011 0.0013 0.0020 ********************************	9.0022 9.0017 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS 1 THROUGH 30 INCHES CU. FEET PERCENT	AVERAGE ANNUAL TOTAL PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECT	6.0012 6.0022 5.5 & (STD	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	220 0.6 227 0.6 231 0.6 231 0.6 248 248 248 248 248	0026 0 0023 0 00	.0016 (.0018 (.0028 (.0	0.0011 0.0013 0.0020 ********************************	9.0022 9.0017 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023 9.0023

PERCOLATION/LEAKAGE THROUGH 0.00006 (0.00003)
LAYER 4

0.213 0.00012

ANNUAL WATER BUDGET BALANCE	0.0000	-0.055	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SOIL WATER AT END OF YEAR	15.079	54735.953	
SOIL WATER AT START OF YEAR	12.798	46458.105	

*********	*****	*=*****	******		******	×000%×0000
AVERAGE	MONTHLY	VALUES I	INCHES FO	R YEARS 1	THROUGH	30

	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DE
PRECIPITATION						
TOTALS	2.45	3.63	4.70	2.73	4.18	5.96
	7.24	7.26	4.83	2.68	2.00	2.09
STD. DEVIATIONS	1.74	1.59	2.10	1.69	2.34	3.23
	3.35	3.06	2.66	2.46	1.05	1.52
RUNOFF						
TOTALS	0.123	0.218	0.409	0.119	0.440	0.77
	0.864	0.924	0.519	0.353	0.085	0.19
STD. DEVIATIONS	0.284	0.295	0.482	0.206	0.707	0.95
	1.063	0.745	0.696	0.653	0.160	0.27
EVAPOTRANSPIRATION						
TOTALS	1.757	2.155	3.430	3.334	3.791	4.64
	5.202	5.161	3.675	1.756	0.924	1.16
STD. DEVIATIONS	0.203	0.213	0.398	1.040	1.393	1.47
	1.454	1.284	0.982	0.468	0.205	0.14

AVERAGE HEAD ON TOP 0.002 (0.001) OF LAYER 3

CHANGE IN WATER STORAGE -0.011 (0.9322) -38.14 -0.021

•

PEAK DAILY VALUES FOR YEARS		
		(CU. FT.)
PRECIPITATION	5.32	19311.602
RUNOFF	2.758	10011.1699
DRAINAGE COLLECTED FROM LAYER 2	0.90545	3286.79224
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.000005	0.01744
AVERAGE HEAD ON TOP OF LAYER 3	0.065	
MAXIMUM HEAD ON TOP OF LAYER 3	0.126	
LOCATION OF MAXIMUM HEAD IN LAYER 2 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	1.03	3735.4602
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.	3463
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.	1360
*** Maximum heads are computed using	McEnroe's equa	tions. ***
Reference: Maximum Saturated Dep by Bruce M. McEnroe, ASCE Journal of Envi Vol. 119, No. 2. Mary	University of conmental Engin	Kansas eering

*			

FINAL WATER	STORAGE AT	END OF YEAR 30	
LAYER	(INCHES)	(VOL/VOL)	
1	7.3740	0.3073	
2	0.0197	0.0937	
3	0.0000	9.9999	
4	7.6860	0.4270	
SNOW WATER	0.000		

APPENDIX B

HELP RESULTS OF OPTION 3

(PROPOSED CLOSURETURF® FINAL COVER SYSTEM)

HYDROLOGIC EVALUATION OF LANDFILL PERFORMANCE HELP MODEL VERSION 3.07 (1 NOVEMBER 1997) DEVELOPED BY ENVIRONMENTAL LABORATORY USAE WATERWAYS EXPERIMENT STATION FOR USEPA RISK REDUCTION ENGINEERING LABORATORY ** ** .

PRECIPITATION DATA FILE: C:\DATA4-3.D4 TEMPERATURE DATA FILE: C:\DATA7-3.D7
SOLAR RADIATION DATA FILE: C:\DATA13-3.D13
EVAPOTRANSPIRATION DATA: C:\DATA11-3.D11 SOIL AND DESIGN DATA FILE: OUTPUT DATA FILE: C:\DATA10-3.D10 C:\OUT-3.OUT

TIME: 16:18 DATE: 5/ 4/2020

NOTE: INITIAL MOISTURE CONTENT OF THE LAYERS AND SNOW WATER WERE COMPUTED AS NEARLY STEADY-STATE VALUES BY THE PROGRAM.

LAYER 1

TYPE 1 - VERTICAL PERCOLATION LAYER MATERIAL TEXTURE NUMBER 0 THTCKNESS TNCHES

POROSITY FIELD CAPACITY 0.4270 VOL/VOL 0.4180 VOL/VOL MILITING POINT 9.3679 VOL/VOL INITIAL SOIL WATER CONTENT = 0.4278 VOL/VOL EFFECTIVE SAT. HYD. COND. = 0.999999975000E-05 CM/SEC

GENERAL DESIGN AND EVAPORATIVE ZONE DATA

NOTE: SCS RUNOFF CURVE NUMBER WAS USER-SPECIFIED.

SCS RUNOFF CURVE NUMBER 93.00 100.0 1.000 0.6 0.141 FRACTION OF AREA ALLOWING RUNOFF AREA PROJECTED ON HORIZONTAL PLANE PERCENT EVAPORATIVE ZONE DEPTH INITIAL WATER IN EVAPORATIVE ZONE INCHES INCHES UPPER LIMIT OF EVAPORATIVE STORAGE LOWER LIMIT OF EVAPORATIVE STORAGE 0.262 INCHES 0.014 INCHES INITIAL SNOW WATER
INITIAL SNOW WATER
INITIAL WATER IN LAYER MATERIALS
TOTAL INITIAL WATER
TOTAL SUBSURFACE INFLOW 0.000 INCHES INCHES INCHES/YEAR 0.00

EVAPOTRANSPIRATION AND WEATHER DATA

NOTE: EVAPOTRANSPIRATION DATA WAS OBTAINED FROM CHARLESTON SOUTH CAROLINA

STATION LATITUDE = 32.90 DEGREES START OF GROWING SEASON (JULIAN DATE) END OF GROWING SEASON (JULIAN DATE) Ø. ØØ 59 336 0.6 INCHES 8.70 MPH 70.00 % EVAPORATIVE ZONE DEPTH = VAPORATIVE ZONE DEPTH = AVERAGE ANNUAL WIND SPEED = AVERAGE STO QUARTER RELATIVE HUMIDITY = AVERAGE 2ND QUARTER RELATIVE HUMIDITY = AVERAGE 4TH QUARTER RELATIVE HUMIDITY = AVERAGE 4TH QUARTER RELATIVE HUMIDITY = 74.00 % 89.99 %

NOTE: PRECIPITATION DATA WAS SYNTHETICALLY GENERATED USING

0.4370 VOL/VOL 0.0620 VOL/VOL 0.0240 VOL/VOL POROSITY FIELD CAPACITY WILTING POINT INITIAL SOIL WATER CONTENT = 0.2343 VOL/VOL EFFECTIVE SAT. HYD. COND.

LAYER 2

LATERAL DRAINAGE LAYER MATERIAL TEXTURE NUMBER

9ER 0 0.13 INCHES 0.8500 VOL/VOL THICKNESS POROSITY FIELD CAPACITY 0.0100 VOL/VOL WILTING POINT 0.0050 VOL/VOL 9.0481 VOL/VOL 31.6000004000 33.00 PERCENT INITIAL SOIL WATER CONTENT EFFECTIVE SAT. HYD. COND. CM/SEC DRAINAGE LENGTH 100.0 FEET

LAYER 3

TYPE 4 - FLEXIBLE MEMBRANE LINER MATERIAL TEXTURE NUMBER 36

0.05 INCHES 0.0000 VOL/VOL 0.0000 VOL/VOL THICKNESS POROSITY FIELD CAPACITY WILTING POINT 0.0000 VOL/VOL INITIAL SOIL WATER CONTENT =
EFFECTIVE SAT. HYD. COND. =
FML PINHOLE DENSITY = 0.0000 VOL/VOL 0.39999993000E-12 CM/SEC 2.00 HOLES/ACRE FML INSTALLATION DEFECTS = HOLES/ACRE

LAYER 4

- BARRIER SOIL LINER 18.00 MATERIAL TEXTURE NUMBER

THTCKNESS TNCHES

FML PLACEMENT QUALITY

COEFFICIENTS FOR CHARLESTON SOUTH CAROLINA

NORMAL MEAN MONTHLY PRECIPITATION (INCHES)

MAR/SEP JAN/JUL FEB/AUG APR/OCT MAY/NOV JUN/DEC 3.33 7.33 3 37 4.38 2.58 6.54

NOTE: TEMPERATURE DATA WAS SYNTHETICALLY GENERATED USING COEFFICIENTS FOR CHARLESTON SOUTH CAROLINA

NORMAL MEAN MONTHLY TEMPERATURE (DEGREES FAHRENHEIT)

JUCZNAE FFB/AUG MAR/SEP APR/OCT MAY/NOV JUNZBEC. 72.20 77.60 49.B0 56.70 64.30 47.90 80.50 80.00 75.70 65.80 56.79 50.00

SOLAR RADIATION DATA WAS SYNTHETICALLY GENERATED USING COEFFICIENTS FOR CHARLESTON SOUTH CAROLINA AND STATION LATITUDE = 32.90 DEGREES

nkeppankeppanukepannkepannkepakebankeppankepanukepnumekepnankepankeppanukeppankeppankeppan

MONTHLY TOTALS (IN INCHES) FOR YEAR

JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC PRECIPITATION 11.62 RUNOFF 0.055 0.025 0.470 0.163 0.144 4.392 1.751 1.662 0.381 0.118 1.327 0.427 EVAPOTRANSPIRATION 0.925 0.312 2.153 2.041 0.927 0.598 0.075 1.393 LATERAL DRAINAGE COLLECTED 0.9798 0.9935 2.6474 0.9666 1.4218 5.4562

PERCOLATION/LEAKAGE THROUGH LAYER 4				9.0000				
MONTHLY SUMM				,			***************************************	
VERAGE DAILY HEAD ON	0.000	0.000	0.000	9.999	0.000	0.000	MONTHLY TOTALS (IN INCHES) FOR YEAR 2	
TOP OF LAYER 3	0.000	0.000	0.000 0.000	0.000	0.000	0.001	JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/M	
HEAD DN TOP OF LAYER 3	0.001	0.001	0.001	9.000	0.000 *****	0.001	PRECIPITATION 1.94 3.81 5.11 6.07 9.80 8.57 1.23 7.94 1.92 1.34	
							RUNOFF 6.288 6.524 1.387 6.906 3.74 2.475 6.015 2.561 6.167 6.06	
********************	********	**==044	*******	******	*******	=======	2.475 0.015 2.561 0.167 0.00 EVAPOTRANSPIRATION 0.278 0.937 1.490 1.732 1.55	
ANNUA	AL TOTALS						1.789 0.329 1.400 0.284 0.39	
		INCHES		CU. FEI		RCENT	LATERAL DRAINAGE COLLECTED 1.4819 2.3564 2.2494 3.3028 4.50 FROM LAYER 2 4.3054 0.7704 4.0943 1.4691 0.94	
PRECIPITATION		56.25		204187.4	169 1	90.00	PERCOLATION/LEAKAGE THROUGH 0.0000 0.0000 0.0000 0.00	90.00
RUNOFF		12.48	5	45320.0	568	22.20	LAYER 4 0.0000 0.0000 0.0000 0.0000 0.00	90.00
EVAPOTRANSPIRATION		12.02	5	43650.1		21.38		
DRAINAGE COLLECTED FROM LAYER		31.739		115215.9		6.43	MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)	
PERC./LEAKAGE THROUGH LAYER	4	0.000		0.6	327	0.00		
AVG. HEAD ON TOP OF LAYER 3		0.000					30.0 000.0 000.0 000.0 000.0 0.000 O.000 O	
CHANGE IN WATER STORAGE		0.000		0.6		0.00	STD. DEVIATION OF DAILY 0.000 0.000 0.000 0.001 0.00	
SOIL WATER AT START OF YEAR		7.83		28433.			HEAD ON TOP OF LAYER 3 6.001 6.000 6.001 6.000 6.00	
SOIL WATER AT END OF YEAR		7.83		28433.			***************************************	
SNOW WATER AT START OF YEAR		0.000		0.6		0.00	***************************************	
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000		0.6	300	0.00		
							ANNUAL TOTALS FOR YEAR 2	
							ANNUAL TOTALS FOR YEAR 2	
		INCHES		CU. FEI		 RCENT	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.63	
PRECIPITATION		INCHES 55.50	-	CU. FEI		ERCENT	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.6: FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41	1.81
PRECIPITATION RUNDEF			-		331 1		LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.63	1.81 1.81 1.81
RUNOFF		55.50	1	201465.6	931 1 982	30.00	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.6: FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.0000 0.0000 0.0000 0.0000 0.0000	1.84 1.81 999 0.99
RUNOFF EVAPOTRANSPIRATION		55.50 13.68	1	201465.6 49661.6	931 10 982 148	30.00 24.65	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.6: FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.0000 0.0000 0.0000 0.0000 0.0000	1.81 999 9.99 999 9.99
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER		55.50 13.683 12.493	- 1 3	201465.6 49661.6 45350.3	331 19 382 448	30.00 24.65 22.51	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.6: FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	1.84 1.81 999 9.99 999 9.99
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER		55.50 13.68 12.49 29.33	1 3 99	281465.6 49661.6 45350.1	331 19 382 448	24.65 22.51 52.86	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.6: FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	000 0.000 000 0.000
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3		55.50 13.68 12.49 29.33 0.000	- 1 3 99 8887 82	281465.6 49661.6 45350.1	331 10 382 448 711	24.65 22.51 52.86	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	000 0.000 000 0.000
RUNDFF EVAPDTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR		55.58 13.683 12.493 29.333 0.000 0.000 -0.014	- 1 3 99 99 90007 82 4	201465.4 49661.4 45350.1 106503.1 0.4 -49.5 28433.1	331 1/ 382 148 148 148 148 149 149 149 149 149 149 149 149 149 149	24.65 22.51 52.86 0.99	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.00000 0.00000 0.0000 0.00000 0.000000	1.81 1.82 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83
RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR		55.50 13.68: 12.49: 29.33: 0.000 0.000 -0.014 7.83:	- 1 3 99 99 99 97 7 7 7 7 7 7 7	281465.6 49661.6 45350.1 186583 0.6 -49.9 28433	2331 19 2882 1448 711 2324 272 211	99. 99 24. 65 22. 51 52. 86 9. 99	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.000000	1.81 1.82 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83
RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR		55.50 13.68: 12.49: 29.33: 8.000 -0.01: 7.83: 7.81: 8.000	- 1 3 99 90007 902 4 3 9	201465.6 49661.6 45350.1 106503.1 0.6 -49.5 28433.1 28383.1	982 148 711 324 972 211 238	99. 89 24. 65 12. 51 52. 86 8. 89 8. 82	LATERAL DRAINAGE CDLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	300 0.000 300 0.000 300 0.000 300 0.000 300 0.000 300 0.000
RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR		55.50 13.68: 12.49: 29.33: 0.00: 0.00: 7.83: 7.81: 0.00: 0.00:	1 3 99 99 80 82 4 3 9	201465.6 49661.6 45350.1 106503.1 8.6 -49.9 28433.1 28383.1 8.6	331 10 3882 148 3224 372 2211 238 366	99. 99 99. 99 124. 65 122. 51 52. 86 9. 89 9. 82	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5994 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0	1.81 1.82 1.83 1.83 1.83 1.83 1.83 1.83 1.83 1.83
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.00: 0.00: 7.83: 7.81: 0.00: 0.00:	1 3 99 80007 82 4 3 9	201465.6 49661.6 45350.1 106503.1 0.6 -49.9 28433.1 28383.1 0.6	331 10 382 148 7711 3224 3772 2211 238 366 366	99. 99 24. 65 22. 51 52. 96 8. 99 -9. 92	LATERAL DRAINAGE CDLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	900 0.000 900 0.000 900 0.000 900 0.000 900 0.000 900 0.000 900 0.000
RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.00: 0.00: 7.83: 7.81: 0.00: 0.00:	1 3 99 80007 82 4 3 9	201465.6 49661.6 45350.1 106503.1 0.6 -49.9 28433.1 28383.1 0.6	331 10 382 148 7711 3224 3772 2211 238 366 366	99. 99 24. 65 22. 51 52. 96 8. 99 -9. 92	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.	1.81 1.81 1.81 1.81 1.81 1.81 1.81 1.81
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.00: 0.00: 7.83: 7.81: 0.00: 0.00:	1 3 99 80007 82 4 3 9	201465.6 49661.6 45350.1 106503.1 0.6 -49.9 28433.1 28383.1 0.6	331 10 382 148 7711 3224 3772 2211 238 366 366	99. 99 24. 65 22. 51 52. 96 8. 99 -9. 92	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.0	98
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.00: 0.00: 7.83: 7.81: 0.00: 0.00:	1 3 99 80007 82 4 3 9	201465.6 49661.6 45350.1 106503.1 0.6 -49.9 28433.1 28383.1 0.6	331 10 382 148 7711 3224 3772 2211 238 366 366	99. 99 24. 65 22. 51 52. 96 8. 99 -9. 92	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	94 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.000 0.001 7.83: 7.81: 0.000 0.000	1 3 99 9007 902 4 3 9 9 9 9 9 9 9 9 9 9	201465.4 49661.4 45350.1 106503.1 0.4 -49.9 28433.1 28383.1 0.4	331 10 382 148 711 3224 372 211 238 390 398 398 398	99. 99 24. 65 22. 51 52. 86 9. 89 9. 89 9. 89 9. 89	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5994 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.00	PERCENT 190.99 10.42 19.69
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL MATER AT START OF YEAR SNOW MATER AT START OF YEAR SNOW MATER AT START OF YEAR SNOW MATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.000 0.001 7.83: 7.81: 0.000 0.000	1 3 99 9007 90 4 3 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	201465.4 49661.4 45350.1 106503.1 0.4 -49.9 28433.1 0.4 0.4	331 10 382 148 711 3224 372 211 238 300 338 338	99. 99 92.4. 65 12. 51 52. 86 9. 89 9. 89 9. 89 9. 89	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5994 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00	PERCENT 190.99 10.42 19.69 50.86
RUNDFF EVAPDTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	4	55.50 13.68: 12.49: 29.33: 0.000 0.000 7.83: 7.81: 0.000 0.000	1 3 99 9007 92 4 3 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	201465.4 49661.4 45350.1 106503.1 0.4 28433.1 20383.1 0.4	331 10 382 148 711 3224 372 211 238 390 390 398 398	99. 99 24. 65 22. 51 52. 86 9. 99 9. 99 9. 99	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.62 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	PERCENT 190.09 190.42 19.69
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	LS (IN INC	55.58 13.68: 12.49: 29.33: 8.090: 6.090: 7.63: 7.81: 8.090: 8.090: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000: 9.000	1 3 99 90007 802 4 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	201465.4 49661.4 45350.1 106503.1 0.4 -49.9 28433.1 0.4 0.4	1082 148 711 2324 2372 211 238 239 200 338	99. 99 24. 65 22. 51 52. 96 8. 99 8. 99 8. 99 8. 99 9.	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	Dec 0.000 0.
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR ANNUAL WATER BUDGET BALANCE	LS (IN INC	55.56 13.68: 12.49: 29.33: 0.000 0.001 7.83: 7.81: 0.000 0.000	1 3 99 9007 92 4 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	201465.6 49661.6 45350.1 106503.1 28433.1 28383.1 0.6 0.6	331 10 382 148 711 324 372 211 238 399 399 398 398 398 497 497 497 497 497 497 497 497 497 497	99. 99 24. 65 22. 51 52. 86 9. 99 9. 99 9. 99 9. 99 9. 99 9. 90 9.	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.67 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.000000	PERCENT 190.99 10.42 19.69
RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THRDUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	LS (IN INC	55.56 13.68: 12.49: 29.33: 0.000 0.000 -0.01: 7.83: 7.81: 0.000 0.000 0.000 FEB/AUG	1 3 99 90007 902 4 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	201465.4 49661.4 45350.1 106503.1 28433.1 28383.1 0.4 0.4	331 10 382 148 711 324 372 211 238 390 390 338	99. 99 24. 65 22. 51 52. 86 8. 89 8. 89 8. 89 9. 89 9. 89 9. 89 9. 89 9. 89 9. 89 9. 89	LATERAL DRAINAGE COLLECTED 5.9950 1.9351 1.4642 0.7703 1.65 FROM LAYER 2 6.5094 3.6729 4.4290 0.7955 1.41 PERCOLATION/LEAKAGE THROUGH 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	184 1.81 1988 8.88 1888 8.88 1888 8.88 1888 8.88 1888 8.88 1888 8.

EVAPOTRANSPIRATION

SNOW WATER AT END OF YEAR

0.000

0.000

	**********	******	*******		******	*******			INCHES		CU. FE		ERCEN1
							PRECIPITATION		41.25		149737.		00.00
							RUNOFF		5.449	•	19780.	475	13.21
**************					*****		EVAPOTRANSPIRATION		11.531	1	41857.	055	27.95
					******		DRAINAGE COLLECTED FROM LAYE	R 2	24.267	74	88090.	703	58.03
MONTHLY TOTA							PERC./LEAKAGE THROUGH LAYER	4	0.000	300 6	0.	022	0.00
	JAN/JUL	FEB/AUG					AVG. HEAD ON TOP OF LAYER	,	0.000	3 2			
DECIMITATION							CHANGE IN WATER STORAGE		0.00	3	9.	273	0.01
RECIPITATION	3.35 6.62	4.24 3.89	2.43 6.00	2.92 1.40	3.50 1.50	4.01 1.23	SOIL WATER AT START OF YEAR		7.702	2	27957.	164	
INOFF	0.392 1.022	0.685 0.753	0.234 1.222	0.237 0.170	0.167 0.105	0.454 0.008	SOIL WATER AT END OF YEAR		7.70	1	27966.	436	
/APOTRANSPIRATION	0.891	0.785	0.668		1.231	1.172	SNOW WATER AT START OF YEAR		0.000	a	0.	999	0.00
	2.332	0.805	1.321	0.333	0.240	0.421	SNOW WATER AT END OF YEAR		0.000	9	0.	666	0.00
ATERAL DRAINAGE COLLECTED FROM LAYER 2		2.6592 2.3775				2.4988 0.7992	ANNUAL WATER BUDGET BALANCE		0.000		- O .		0.00
RCOLATION/LEAKAGE THROUGH LAYER 4		0.0000		0.0000 0.0000	0.0000		*********************	K 6 4 4 K K K 6	*********	******	*******	0**EE000	
MONTHLY SUM	MARIES FOR	DAILY H	EADS (IN	ICHES)			**************	*******	******	*******		*******	****
ERAGE DAILY HEAD ON	0.000	0.000	8.000	0.000	0.000	8.000	MONTHLY TOTA						
TOP OF LAYER 3	0.000	0.000	8.000	0.000	0.000	8.888 8.888			FEB/AUG				
HEAD ON TOP OF LAYER 3	0.000	0.001	0.001	0.000	0.000	9.000	PRECIPITATION	1.26 9.84	3.46 9.38	9. 2 6 3.97	2.23	8.35 1.76	0.4 2.0
							RUNOFF	0.003	0.691	2.012	0.161	3.319	8.0
	0.000	A 576		0.636									
/APOTRANSPIRATION	0.280 2.778	0. 576 1.988	1.912 0.834	0.636 0.405	1.636 0.518	0.130 0.856	SNOW WATER AT END OF YEAR		o. eee	3	0.	880	Ø. 90
ATERAL DRAINAGE COLLECTED	2.778 0.9792		0.034 5.3053	0.405 1.4405	0.518 3.5194	0.856 0.3601	ANNUAL WATER BUDGET BALANCE		0.000	3 0	-0.	090	0.00
VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4	2.778 0.9792 4.7855 0.0000	1.98B 2.0915	9.834 5.3653 2.6831 9.0000	0.405 1.4405 2.2819 0.0000	0.518 3.5194 1.1485 0.0000	0.856 0.3601 1.2747 0.0000		*********	0.000	3 0	-0.	090	0.00
NTERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4	2.778 6.9792 4.7855 6.0000 6.0000	1.988 2.0915 5.0372 0.0000 0.0000	0.034 5.3053 2.6031 0.0000 0.0000	0.405 1.4405 2.2819 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE		0.000 ******	30 ********	- 0 .	69 6	0.00 *****
NTERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM	2.778 0.9792 4.7855 0.0000 0.0000	1.988 2.0915 5.0372 0.0000 0.0000	6.834 5.3653 2.6831 6.6660 6.6660	0.405 1.4405 2.2819 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE	**************************************	0.996	39 ************************************	- 0. .	890 **********	Ø. 90 *****
ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM VERAGE DAILY HEAD ON TOP OF LAYER 3	2.778 0.9792 4.7855 0.0000 0.0000 MARIES FOR	1.988 2.0915 5.0372 0.0000 0.0000 DAILY H	8.834 5.3053 2.6831 8.0000 8.0000	0.405 1.4405 2.2819 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE	ALS (IN IN	0.000	30 ************************************	-0.************************************	**************************************	0.00
NTERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM	2.778 6.9792 4.7855 6.0000 6.0000	1.988 2.8915 5.8372 6.8000 6.8000	0.834 5.3653 2.6831 8.0000 0.0000	0.405 1.4405 2.2819 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000	0.856 0.3601 1.2747 0.0000	ANNUAL WATER BUDGET BALANCE	ALS (IN IN	0.886 ***********************************	30 ************************************	-8.* ******** 6 APR/OCT	898 ******** ********	9.99 *****
ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM VERAGE DAILY HEAD ON TOP OF LAYER 3	2.778 6.9792 4.7855 6.0000 6.0000 MARIES FOR 6.0000 6.0000	1.988 2.0915 5.0372 0.0000 0.0000 DAILY H 0.000 0.001 0.001	8.834 5.3053 2.6831 8.0000 8.0000 EADS (IN 8.000 8.000 8.000	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	6.518 3.5194 1.1485 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE	JAN/JUL	e.eec	30 ************************************	-0.************************************	######################################	9.99
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM MONTHLY S	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0000	1.988 2.8915 5.8372 6.8000 6.8000 DAILY H 6.800 6.801 6.801	0.034 5.3053 2.6031 0.0000 0.0000 EADS (IN	0.405 1.4405 2.2819 0.0000 0.0000 ICHES)	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE	JAN/JUL	0.000 *********************************	**************************************	-8.******* 6 APR/OCT	#AY/NOV	9.00 3.00 3.00 3.00
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM ANNUAL ANNUAL ANNUAL ANNUAL	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000 6.0000	1.988 2.0915 5.0372 0.0000 0.0000 DAILY H 0.000 0.001 0.001 *********************	0.834 5.3053 2.6831 8.0000 0.0000 EADS (IN	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE	JAN/JUL 2.46 5.46 0.075	0.006	MAR/SEP 2.46 0.165 0.219	-0.	MAY/NOV 3.35 0.79	3.8 9.99
ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM VERAGE DAILY HEAD ON TOP OF LAYER 3 TO. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0372 0.0000 0.0000 0.0000 0.000 0.001 0.001	8.834 5.3653 2.6831 8.0000 8.0000 8.0000 8.0000 8.0000 8.0001 8.001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED	JAN/JUL 2.46 5.46 0.075 0.438 0.882 2.554	6.000 CHES) FOR FEB/AUG 2.46 7.83 6.144 1.254 6.753 2.748	3 YEAR MAR/SEP	-0 APR/OCT 4.27 5.63 0.561 1.665 1.077 0.881 2.6381	MAY/NOV 3.35 0.79 0.475 0.015 0.539 0.178 2.3358	3.8 6.66 4.90
MONTHLY SUM MONTHLY SUM MONTHLY SUM MERAGE DAILY HEAD ON TOP OF LAYER 3 TO. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUL ANNUL	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0372 0.0000 0.0000 0.001 0.001 0.001	8.834 5.3653 2.6831 8.0000 8.0000 EADS (IN	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 0.0000 **********	0.856 0.3601 1.2747 0.9600 0.9600 0.9600 0.9600 0.9600 0.9600 0.9600	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	JAN/JUL 2.46 5.46 0.075 0.438 0.882 2.554 1.5029 2.4006	6.000 FEB/AUG 2.46 7.83 6.144 1.254 6.753 2.748 1.5530 3.8308	MAR/SEP	-0 APR/OCT 4.27 5.63 0.561 1.665 1.077 0.881 2.6381 3.0840	MAY/NOV 0.539 0.178 2.3358 0.5976	JUN/11 11.39 4.89 9.99 2.66 4.99
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM FERAGE DAILY HEAD ON TOP OF LAYER 3 D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0372 6.0000 6.0000 DAILY H 6.000 6.000 6.001 ***********************************	8.834 5.3653 2.6831 8.0000 8.0000 8.000 8.000 8.001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED	JAN/JUL 2.46 5.46 0.075 0.438 0.882 2.554 1.5029 2.4006	6.000 CHES) FOR FEB/AUG 2.46 7.83 6.144 1.254 6.753 2.748	WAR/SEP 2.46 0.165 6.219 0.518 0.600 1.3308 1.7666 0.0000	-0 6 APR/OCT -5.63 0.561 1.665 1.077 0.881 2.6381 3.0840	MAY/NOV 3.35 0.79 9.475 0.015 0.539 0.178 2.3358 0.5970 0.0000	3.8 9.99 2.6 6.6 4.9 3.1
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM ERAGE DAILY HEAD ON TOP OF LAYER 3 D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUL ANNUL PRECIPITATION RUNOFF	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0372 0.0000 0.0000 DAILY H 6.000 0.0001 ****************************	8.834 5.3653 2.6831 8.0000 8.0000 8.0000 8.000 8.0001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	6.518 3.5194 1.1485 6.0000 6.0000 6.0000 6.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	JAN/JUL 2.46 5.46 0.075 0.438 0.882 2.554 1.5929 2.4006 0.0000	0.000 PEB/AUG 7.83 0.144 1.254 0.753 2.748 1.5530 3.8300 0.0000	2.01 2.46 0.165 0.219 0.518 0.600 1.3308 1.7066	4.27 5.63 0.561 1.665 1.077 0.881 2.6381 3.0840	MAY/NOV 3.35 0.79 0.475 0.015 0.539 0.178 2.3358 0.5970 0.0000	3.8 8.9 2.6 6.6 4.9 3.1 9.00 8.00
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM ERAGE DAILY HEAD ON TOP OF LAYER 3 D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUL PRECIPITATION RUNDEF	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0372 0.0000 0.0000 0.0000 0.001 0.001 0.001 0.001 0.001 1	8.834 5.3653 2.6831 8.0000 8.0000 8.0000 8.0000 8.0000 8.0001 8.0001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001	6.518 3.5194 1.1485 6.0000 6.0000 6.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000 8.0000	0.856 0.3601 1.2747 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	2.46 5.46 0.075 0.438 0.882 2.554 1.5029 2.4006 0.0000	0.000 PEB/AUG 2.46 7.83 0.144 1.254 0.753 2.748 1.5530 3.8308 0.0000 0.00000	2 YEAR MAR/SEP 2.46 9.165 9.219 8.518 8.600 1.3308 1.7066 0.0000	4.27 5.63 0.561 1.665 1.077 0.881 2.6381 3.0840 0.0000	MAY/NOV 3.35 0.79 0.475 0.015 8.539 0.178 2.3358 0.5970 0.0000	3.8 9.6 9.6 4.9 3.1 8.6 9.6
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM ERAGE DAILY HEAD ON TOP OF LAYER 3 D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNU PRECIPITATION RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0377 0.0000 0.0000 0.001 0.001 0.001 0.001 0.001 0.001 10.001 10.001 10.001 10.001 10.001	8.834 5.3653 2.6831 8.0000 8.0000 8.0000 8.0001 8.0001 8.0001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 *****************	0.856 0.3661 1.2747 0.0000	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	2.46 5.46 0.075 0.438 0.882 2.554 1.5029 2.4006 0.0000	0.000 PEB/AUG 2.46 7.83 0.144 1.254 0.753 2.748 1.5530 3.8308 0.0000 0.00000	2 YEAR MAR/SEP 2.46 9.165 9.219 8.518 8.600 1.3308 1.7066 0.0000	4.27 5.63 0.561 1.665 1.077 0.881 2.6381 3.0840 0.0000	MAY/NOV 3.35 0.79 0.475 0.015 8.539 0.178 2.3358 0.5970 0.0000	3.E 6.6 6.6 4.9 3.1 0.6 6.6
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM ERAGE DAILY HEAD ON TOP OF LAYER 3 D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNU. PRECIPITATION RUNDEF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0377 6.0000 6.0000 DAILY H 6.000 6.001 ***********************************	8.834 5.3653 2.6831 8.0000 8.0000 8.0000 8.0001 8.0001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 *****************	0.856 0.3601 1.2747 0.9600	ANNUAL WATER BUDGET BALANCE MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUR	JAN/JUL 2.46 5.46 0.875 0.438 0.882 2.554 1.5929 2.4006 0.0000	0.000 PEB/AUG 2.46 7.83 0.144 1.254 0.753 2.748 1.5530 3.8308 0.0000 R DAILY H	WAR/SEP	-0 APR/OCT 4.27 5.63 0.561 1.665 1.077 0.881 2.6381 3.0840 0.0000	MAY/NOV 9.475 9.475 9.178 2.3358 9.5970 9.0000	3.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6
TERAL DRAINAGE COLLECTED FROM LAYER 2 RCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUM FERAGE DAILY HEAD ON TOP OF LAYER 3 D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUL ANNUL	2.778 6.9792 4.7855 6.0000 6.0000 6.0000 6.0000 6.0001	1.988 2.0915 5.0372 6.0000 6.0000 DAILY H 6.000 6.000 8.001 6.001 ***********************************	8.834 5.3653 2.6831 8.0000 8.0000 8.0000 8.0001 8.0001	0.405 1.4405 2.2819 0.0000 0.0000 0.0000 0.0000 0.0000 0.0001	0.518 3.5194 1.1485 0.0000 0.0000 0.0000 0.0000 0.0000 ********	0.856 0.3601 1.2747 0.9600	PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4	JAN/JUL 2.46 5.46 0.075 0.438 0.882 2.554 1.5929 2.4006 0.0000	0.000 *********************************	MAR/SEP 2.41 2.46 0.165 0.219 0.518 0.600 1.3368 1.7066 0.0000	4.27 5.63 0.561 1.665 1.077 0.881 2.6381 0.0000	#AY/NOV 3.35 6.79 6.475 6.015 9.539 6.178 2.3358 6.5970 9.0000	3.E 6.6 6.6 4.9 3.1 0.6 6.6

SNOW WATER AT START OF YEAR

0.000

0.000

西南南西南水水水南西南水水水南西南水水南西西水水水南	*******	*********	*******	*********	*****	******		0.368	2.255	1.110	0.449	0.230	0.42
	UAL TOTALS						EVAPOTRANSPIRATION	0.391 0.793	0.475 2.305	0.961 0.897	0.815 0.332	0.805 0.645	0.2 0.4
		INCHES		CU. FEE	ET P	ERCENT	LATERAL DRAINAGE COLLECTED		1.4412				
PRECIPITATION		52.95		192208.5		a0.00	FROM LAYER 2		3.2401				
RUNOFF		9.818	В	35639.1	176	18.54	PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000				
EVAPOTRANSPIRATION		14.056	5	51022.8	363	26.55							
DRAINAGE COLLECTED FROM LAYE	ER 2	29.076	51	105546.3	198	54.91	MONTHLY SU	MARIES FO	R DAILY H	HEADS (IM	ICHES)		
PERC./LEAKAGE THROUGH LAYER	4	0.000	a007	0.6	325	0.00							
AVG. HEAD ON TOP OF LAYER	3	0.000	ð2				AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000	0.000 0.000	0.000	0.000	0.6 0.6
CHANGE IN WATER STORAGE		0.000	a	0.6	900	0.00	STD. DEVIATION OF DAILY	9.000	0.000	0.001	0.000	0.000	0.0
SOIL WATER AT START OF YEAR		7.702	2	27957.1	L64		HEAD ON TOP OF LAYER 3	0.000	0.001	0.001	0.000	0.000	0.0
SOIL WATER AT END OF YEAR		7.702	2	27957.1	164		***************	********	******	*******	********	*****	****
SNOW WATER AT START OF YEAR		0.000	3	0.6	900	0.00							
SNOW WATER AT END OF YEAR		0.000	a	0.6	900	0.00	***************************************	********	*******	*=0000*=	********	******	****
ANNUAL WATER BUDGET BALANCE		0.000	30	0.6	379	0.00	ANN	JAL TOTALS					
*****************	********	**==**	*******	******	*******	******			INCHES		CU. FEE	T PI	ERCE
							PRECIPITATION		41.6B		151298.3		90.00
							RUNOFF		7.528	В	27327.2	:60	18.0
******************	********	********	******	*******	*******	*****	EVAPOTRANSPIRATION		9.189	e	33355.9	180	22.0
MONTHLY TOTA							DRAINAGE COLLECTED FROM LAY	ER 2	24.831	17	90139.2	50	59.5
							PERC./LEAKAGE THROUGH LAYER	4	0.000	300 6	0.6	21	0.00
				APR/OCT			AVG. HEAD ON TOP OF LAYER	3	0.000	3 2			
RECIPITATION	1.05	2.32	6.14	2.84	2.24	1.23	CHANGE IN WATER STORAGE		0.131	1	475.E	62	0.3
RECIFITATION	3.66	7.88	5.64	2.29	3.25	3.14	SOIL WATER AT START OF YEAR		7.702	2	27957.1	.64	
UNOFF	0.000	0.402	1.956	0.253	0.000	0.004	SOIL WATER AT END OF YEAR		7.83	3	28433.6	125	
SNOW WATER AT START OF YEAR		Ď. 0 00	3	ø.e	3366	0.00							
SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR		0.00c		0.e		0 . 9e 0 . 9e	***************************************	*********	9*********	**********	**********	· ************************************	4 m 8 9 1
SNOW WATER AT END OF YEAR		0.000	9	0.6	999						*******	·*************	4 K 8 8 3 4
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000 0.000	9 90	0.6 0.6	9 00 9 0 1	0.00 0.00		JAL TOTALS	FOR YEAR	l 9			
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000 0.000	9 90	0.6 0.6	9 00 9 0 1	0.00 0.00	ANN	JAL TOTALS	FOR YEAR	l 9		T PI	ERCE
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000 0.000	9 90	0.6 0.6	9 00 9 0 1	0.00 0.00	ANN	JAL TOTALS	FOR YEAR	1 B	CU. FEE	T PI	ERCE!
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000 0.000	9 90	0.6 0.6	9 00 9 0 1	0.00 0.00	PRECIPITATION	JAL TOTALS	INCHES	1 B 	CU. FEE	T Pi	ERCE!
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	******	0.000 0.000	9 99 *******	0.6 0.6	900 901 ******	8.00 8.00	PRECIPITATION RUNGFF	UAL TOTALS	FOR YEAR	1 B	CU. FEE	T Pi	ERCE!
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	**************************************	0.00c 0.00c	9 90 **********************************	0.e	361 3********	0.00 0.00 ********	PRECIPITATION RUNOFF EVAPOTRANSPIRATION	UAL TOTALS	INCHES 44.35 9.692 8.804	3 8 2 4 50	CU. FEE 160990.5 35181.4 31959.2	T Pi	ERCE! 20.00 21.0! 19.0!
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	**************************************	0.000 0.000 0.*************************	99	0.e	366 361 3*******************************	8.00 8.00	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY	UAL TOTALS	INCHES 44.35 9.692 8.894 25.985	2 2 4 50	CU. FEE 160990.5 35181.4 31959.2 94325.6	T Pi	ERCEN 20.00 21.85 19.85
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	ALS (IN INC	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	6.6 6.6	396 391 ***********************************	8.00 8.00	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER	UAL TOTALS	INCHES 44.35 9.692 8.804 25.909	4 9 2 4 4 50 30 30 30 30	CU. FEE 160990.5 35181.4 31959.2 94325.6	T PI 331 10 45 :: 223 :: 64 ::	ERCEN 20.06 21.05 19.05 68.59
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	ALS (IN INC	0.000 0.000 0.*************************	99	0.e	366 361 3*******************************	8.00 8.00	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER	UAL TOTALS ER 2 4	INCHES 44.35 9.692 8.894 25.989 0.000	4 8 2 4 50 30 30 31	CU. FEE 160990.5 35181.4 31959.2 94325.6	131 10 145 :: 123 :: 164 :: 1722	
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION	JAN/JUL	8.886 8.866 866	R YEAR MAR/SEP	9 . e	300 301 30******************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE	UAL TOTALS ER 2 4	FOR YEAR INCHES 44.35 9.692 8.884 25.985 0.696 0.696	4 8 2 4 4 50 30 30 1	CU. FEE 168990.5 35181.4 31959.2 94325.6 0.6	1 PP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ERCEN 20.06 21.05 19.05 68.59
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF	JAN/JUL	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	8 YEAR MAR/SEP 3.39 5.46	9.ee	300 301 301 300 300 300 400 400 400 400 400 400 400	8.00 8.00 3.91 3.58	PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYE PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR	JAL TOTALS ER 2 4	FOR YEAR INCHES 44.35 9.692 8.804 25.969 0.000 -0.132 7.833	3 8 2 4 59 99 90 1	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.6	17 PP 1631 1045 1645 1644 1652 1652 1652 1655 1	0.86 0.86 0.86 0.86 0.86
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF	ALS (IN INC JAN/JUL 1.62 4.25 6.844 6.341 6.139	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	R YEAR MAR/SEP 3.39 5.46 0.497 2.429	9.6 8.8 8 APR/OCT 5.95 2.54	300 301 3*******************************	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN MATER STORAGE SOIL WATER AT START OF YEAR	JAL TOTALS ER 2 4	FOR YEAR INCHES 44.35 9.692 8.804 25.985 0.000 -0.132 7.833	2 4 50 30 30 1 3	CU. FEE 168998.5 35181.4 31959.2 94325.6 6.6 -475.6 28433.6	T PI	000.00 221.09 119.09 0.00
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED	ALS (IN INC JAN/JUL 1.62 4.25 8.844 8.341 8.139 1.470 8.7677	6.666 866 8	R YEAR MAR/SEP 3.39 5.46 0.497 2.429 0.566 0.618	8 APR/OCT	MAY/NOV	8.00 8.00 3.01 3.50 9.352 9.865 9.641 2.3320	PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	UAL TOTALS ER 2 4	FOR YEAR INCHES 44.35 9.693 8.894 25.983 6.096 6.133 7.793 6.096	3 8 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.6 28433.6 27957.1	10 Pi	0.96
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED FROM LAYER 2	ALS (IN INC JAN/JUL 1.62 4.25 6.844 6.341 6.139 1.476 6.7677 2.5530	0.000 0.000	R YEAR MAR/SEP	8 APR/OCT 5.95 2.54 1.686 9.956 1.277 0.276 3.1124 1.3430	MAY/NOV	0.00 0.00 3.91 3.58 0.352 0.885 0.641 2.3320 2.5883	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR	UAL TOTALS ER 2 4	FOR YEAR INCHES 44.35 9.692 8.894 25.983 6.000 6.000 6.000 6.000	3 9 2 4 500 500 500 500 500 500 500 500 500 5	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.8 28433.6 27957.1	T PI 331 16 445 445 464 462 462 462 464 469 469 469	0.96 0.96
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED FROM LAYER 2	JAN/JUL 1.62 4.25 0.844 0.341 1.479 0.7677 2.5530 0.0000	6.000 6.000 6.000 6.000 6.0000 6.0000 6.0000 6.0000	R YEAR MAR/SEP 3.39 5.46 0.497 2.429 0.506 6.618 2.2619 2.4284 0.0000	8 APR/OCT	MAY/NOV	8.00 8.00 8.00 8.00 8.00 9.00 9.00 9.35 9.58 9.58 9.641 2.33 2.588 9.000	PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN MATER STORAGE SOIL MATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	UAL TOTALS ER 2 4	FOR YEAR INCHES 44.35 9.692 8.894 25.983 6.000 6.000 6.000 6.000	3 9 2 4 500 500 500 500 500 500 500 500 500 5	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.8 28433.6 27957.1	T PI 331 16 445 445 464 462 462 462 464 469 469 469	6.00
SNOW MATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4	ALS (IN INC JAN/JUL 1.62 4.25 0.844 0.341 0.139 1.470 0.7677 2.5530 0.0000 0.0000	6.000 6.000 6.000 6.000 6.0000 6.0000 6.0000 6.0000 6.0000	R YEAR MAR/SEP 3.39 5.46 0.497 2.429 0.506 0.618 2.2619 2.4284 0.0000 0.0000	8 APR/DCT 5.95 2.54 1.686 6.956 1.277 6.276 3.1124 1.3430 6.0000 6.0000	MAY/NOV	3.91 3.58 9.352 9.641 2.3320 2.5883 9.9000 9.9000	PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN MATER STORAGE SOIL MATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	ER 2	FOR YEAR INCHES 44.35 9.692 8.869 6.000 6.000 6.000 6.000	3 9 2 1 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.6 27957.1	T P	ERCE
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUP	ALS (IN INC JAN/JUL 1.62 4.25 0.844 0.341 0.139 1.470 0.7677 2.5530 0.0000 0.0000	6.000 6.000 6.000 6.000 6.0000 6.0000 6.0000 6.0000 6.0000	R YEAR MAR/SEP 3.39 5.46 0.497 2.429 0.506 0.618 2.2619 2.4284 0.0000 0.0000	8 APR/DCT 5.95 2.54 1.686 6.956 1.277 6.276 3.1124 1.3430 6.0000 6.0000	MAY/NOV	3.91 3.58 9.352 9.641 2.3320 2.5883 9.9000 9.9000	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN MATER STORAGE SOIL MATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	ER 2 4 3	FOR YEAR INCHES 44.35 9.692 8.894 25.983 6.006 6.006 6.006 6.006	2 4 50 50 50 50 50 50 50 50 50 50 50 50 50	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.6 28433.6 27957.1	17 PI 131 10 145 :: 1223 :: 1664 :: 1222 :: 1662 :: 162 :: 162 :: 1690 :: 145 :: 145 :: 145 ::	90.96 919.89 9.86 9.86 9.86 9.86 9.86
SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA RECIPITATION UNOFF VAPOTRANSPIRATION ATERAL DRAINAGE COLLECTED FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUP	ALS (IN INC JAN/JUL 1.62 4.25 0.844 0.341 0.139 1.470 0.7677 2.5530 0.0000 0.0000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	R YEAR MAR/SEP 3.39 5.46 0.497 2.429 0.506 6.618 2.2619 2.4284 0.0000 0.0000	9 APR/OCT 5.95 2.54 1.686 6.956 1.277 6.276 3.1124 1.3439 6.0000	MAY/NOV	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	JAL TOTALS ER 2 4 3	FOR YEAR INCHES 44.35 9.692 8.894 25.983 0.006 0.006 0.006 0.006 0.006	2 1 50 50 50 50 50 50 50 50 50 50 50 50 50	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.6 28433.6 0.6 0.6	T P	0.96 0.96 0.96
ANNUAL WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE MONTHLY TOTA MONTHLY TOTA PRECIPITATION RUNOFF EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH LAYER 4 MONTHLY SUR	ALS (IN INC JAN/JUL 1.62 4.25 6.844 6.341 6.139 1.470 6.7677 2.5530 6.0000 6.0000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	R YEAR MAR/SEP 3.39 5.46 9.497 2.429 9.506 9.618 2.2619 2.4284 9.0000 HEADS (III	8 APR/OCT 5.95 2.54 1.686 e.956 1.277 e.276 3.1124 1.3430 e.0000 NCHES)	MAY/NOV	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SNOW WATER AT START OF YEAR SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE	JAN/JUL	FOR YEAR INCHES 44.35 9.692 8.894 25.983 6.0906 -0.133 7.792 6.0906 6.0906	2 4 50 00006 00006 00000 00000 00000 00000 00000 00000 0000	CU. FEE 160990.5 35181.4 31959.2 94325.6 0.6 -475.6 28433.6 0.6 0.6	11 P P 1	ERCEI

FROM LAYER 2 ERCOLATION/LEAKAGE THROUGH	1.329 1.758					0.492
ERCOLATION/LEAKAGE THROUGH		1.947		1.183 0.116		
PERCOLATION/LEAKAGE THROUGH	3.1969 3.5624	1.4867 5.5621		1.8519 0.7823		
LAYER 4		0.0000				
Monthly su	MMARIES FO	R DAILY F	EADS (II	ICHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3		0.000 0.000				
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3		0.000				
ANN	UAL TOTALS	FOR YEAR	l 9			
ANN	UAL TOTALS	FOR YEAR	l 9	CU. FEE	т рі	RCENT
ANN	UAL TOTALS	FOR YEAR	l 9		т PI	
ANN	UAL TOTALS	FOR YEAR	. 9	CU. FEE	T PI	RCENT
PRECIPITATION	UAL TOTALS	FOR YEAR INCHES 53.90		CU. FEE	Τ PI 53 16	ERCENT
ANN PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY	UAL TOTALS	FOR YEAR INCHES 53.98 10.857 11.793	. 9 , ,	CU. FEE 195656.9 39412.1 42807.5 113437.2	FT PI	20.00 20.14 21.08
PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY PERC./LEAKAGE THROUGH LAYER	UAL TOTALS	1NCHES 53.90 10.857 11.793 31.249	9	CU. FEE 195656.9 39412.1 42807.5 113437.2	FT PI	ERCENT 90.00 20.14 21.08
PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAY	UAL TOTALS	FOR YEAR INCHES 53.98 10.857 11.793	. 9 , , , , , , , , , , , , ,	CU. FEE 195656.9 39412.1 42807.5 113437.2	77 PI 	20.00 20.14 21.08

NCHES 49.82 10.445 11.408	CU. FEET 189846.641 37916.141	100.00
49.82 10.445	37916.141	
		20.97
11.408	44444 455	
	41411.465	22.90
27.9663	101517.531	56.13
0.000006	0.023	0.00
0.0002		
0.000	1.437	0.00
7.702	27957.164	
7.702	27958.600	
0.000	0.000	0.00
0.000	0.000	0.00
0.0000	0.039	0.00

	0.990 7.792 7.792 0.990	0.0002 0.000 1.437 7.702 27957.164 7.702 27958.600 0.000 0.000 0.000 0.000

JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC

SOIL WATER AT END OF YEAR	7.702	27957.164	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.051	0.00
		*****	*******

MONTHLY TOTAL	ALS (IN IN	CHES) FO	VEAR	10		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.47					
	7.41	11.47	5.30	0.47	1.24	2.16
RUNOFF	9.196	0.000	1.819	9.000	0.567	1.967
		4.059				
EVAPOTRANSPIRATION	9 743	0.542	A 931	a 170	1.094	1 697
		1.879				
LATERAL DRAINAGE COLLECTED	1.6207	8 .6979	3.7200	0.3505	3.0662	3.5686
FROM LAYER 2	3.6768					
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	9.9999	0.0000	0.0000	0.0000
LAYER 4		0.0000				
MONTHLY SUI	MMARIES FO	R DAILY I	HEADS (II	NCHES)		
AVERAGE DAILY HEAD ON		0.000				
TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.000	9.001
HEAD ON TOP OF LAYER 3				0.000		

PRECIPITATION		2.54 2.68				
RUNOFF		0.046 0.281	0.649 0.000		0.629 0.153	1.500 0.223
EVAPOTRANSPIRATION		0.956 0.648			1.027 0.137	
LATERAL DRAINAGE COLLECTED FROM LAYER 2		1.5302 1.8401				4.0711 1.9891
PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000 0.0000				
MONTHLY SUMM	MARIES FOR	DAILY H	EADS (IN			
MONTHLY SUMM AVERAGE DAILY HEAD ON TOP OF LAYER 3	9.000	0.000 0.000	0.000		0.000	0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3	9.000	0.000 0.000	9.99 0 9.99 0 9.99 0	e.000 e.000 e.000	0.000 0.000 0.001	0.000 0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.000 0.001 0.000	0.000 0.000 0.000 0.000	9.990 9.990 9.990 9.990	6.000 6.000 6.000 6.000	0.000 0.000 0.001 0.000	0.000 0.000 0.000 0.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 SID. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.000 0.001 0.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	9.000 9.000 9.000 9.000	0.000 0.000 0.001 0.000	9.998 9.998 9.998 9.998

ANNUAL TOTAL	S FOR YEAR 11		
	INCHES	CU. FEET	PERCENT
PRECIPITATION	43.45	157723.516	100.00
RUNOFF	7.804	20328.256	17.96
EVAPOTRANSPIRATION	10.477	38031.859	24.11
DRAINAGE COLLECTED FROM LAYER 2	25.1420	91265.422	57.86
PERC./LEAKAGE THROUGH LAYER 4	0.000006	0.022	0.00
AVG. HEAD ON TOP OF LAYER 3	0.0002		
CHANGE IN WATER STORAGE	0.027	97.923	0.06

							STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.001	0.001
SOIL WATER AT START OF YEAR		7.70	2	27958.	500			0.000	0.001	0.000	9.000	0.000	0.000
SOIL WATER AT END OF YEAR		7.72		28056.			************************		*******	*******		*******	*******
SNOW WATER AT START OF YEAR		0.00			900	0.00							
SNOW WATER AT END OF YEAR		0.00			900	0.00	医医检查检查检验检验检验检验检验检验检验检验检验检验检验检验					*****	******
ANNUAL WATER BUDGET BALANCE		0.00			035	0.00	ANNUAL						
*******************	**********		******		********	******			INCHES		CU. FEE		PERCENT
							PRECIPITATION		39.90		144837.6		.00.00
							RUNOFF		6.92		25143.7		17.36
*********	**********	******	******	******	******	*****	EVAPOTRANSPIRATION	_	9.46		34354.4		23.72
MDNTHLY TOTA							DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER 4		9.99		95438.1	320	58.99 0.00
						JUN/DEC	AVG. HEAD ON TOP OF LAYER 3		0.00		0.0	320	0.00
							CHANGE IN WATER STORAGE		-0.02		-99.3	360	-0.07
PRECIPITATION	0.93 4.46	2.85 7.69	4.0B 3.09	1.31 2.13	3.74 2.12	5.97 1.53	SOIL WATER AT START OF YEAR		7.72		28056.5		
RUNOFF	0.000	0.382	0.793	0.010	0.767	1.537	SOIL WATER AT END OF YEAR		7.70		27957.1		
	0.213	2.051	0.419	0.318	0.430	9.008	SNOW WATER AT START OF YEAR		0.00			300	0.00
EVAPOTRANSPIRATION	0.349 2.042	0.680 1.332	1.034 0.724	0.367 0.322	0.777 0.284	1.173 0.381	SNOW WATER AT END OF YEAR		0.00	a	₽.€	300	0.00
LATERAL DRAINAGE COLLECTED	0.5013	1.8951	2.2624	0.8825	2.2491	3.2599	ANNUAL WATER BUDGET BALANCE		0.00	90	0.6	913	0.00
FROM LAYER 2				1.4901		1.1410	************		******	******	K * * * * * * * * * * * *	*****	******
PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000	0.0000 0.0000	9.0000		0.0000 0.0000							
MONTHLY SUM	MARIES FOR	R DAILY	HEADS (I	NCHES)			*******************						

AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000	MONTHLY TOTALS	•					
TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.000	=	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	1.51	5.66	3.69	2.73	0. 59	6.49	CHANGE IN WATER STORAGE		0.12		437.6		0.33
	1.64	7.64	2.34	0.21	0.45	4.13	SOIL WATER AT START OF YEAR		7.70		27957.1		
RUNOFF	0.048 0.061	0.909 1.713	0.530 0.023	0.391 0.000	0.006 0.000	2.756 0.778	SOIL WATER AT END OF YEAR		7.82		28394.7		
EVAPOTRANSPIRATION		1.019	0.886	9.614		1.051	SNOW WATER AT START OF YEAR		0.00		0.6		0.00
LATERAL DRAINAGE COLLECTED	0.297	1.641	0.655	0.020	0.122	0.621	SNOW WATER AT END OF YEAR ANNUAL WATER BUDGET BALANCE		0.000 0.000		0.6 0.6		0.00
FROM LAYER 2		4.2860		0.0827			ANNOUAL WATER DUDGET DALANCE						
PERCOLATION/LEAKAGE THROUGH LAYER 4			0.0000 0.0000		0.0000 0.0000								
MONTHLY SUM	MARIES FOR	R DAILY	HEADS (I	NCHES)			************************		1********	*******	*******	*******	*******
							MONTHLY TOTALS						
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000 0.000	0.000 0.000	9.000 9.000	0.000 0.000	0.000 0.000							
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000 0.001	0.000 0.000	0.000 0.000	0.000 0.000	0.001 0.000	-				1.14		
*****************	*********	*******	******	******	*******	*=0000**		4.62	5.52	5.16	9.76	0.66	3.41
							RUNOFF	0.000 0.694	0.100 1.298	1.379 0.447	0.104 0.000	1.047 0.000	0.675 0.887
************	*********	*******	******	******	*******	******	EVAPOTRANSPIRATION	0.365	0.399	1.563	0.209	1.375	0.B24
ANNU	JAL TOTALS							1.933	0.976	1.986	0.264	0.205	0.360
		INCHES		CU. FE	ET P	ERCENT			1.1307 3.1191		0.8230 0.4965		
PRECIPITATION		36.99		134273.	687 1	00.00					0.0000		
RUNOFF		7.21	6	26192.	674	19.51					0.0000		
EVAPDTRANSPIRATION		7.45	4	27057.	346	20.15							
DRAINAGE COLLECTED FROM LAYE		22.20		B0586.		60.02	MONTHLY SUMMAR	RIES FOR	R DAILY I	HEADS (II	4CHES)		
PERC./LEAKAGE THROUGH LAYER	4	0.00	0005	θ.	019	0.00							

AVERAGE DAILY HEAD ON

0.000 0.000 0.000 0.000 0.000

AVG. HEAD ON TOP OF LAYER 3

TOD OF 1 1150 -													
TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.000			FEB/AUG				
. DEVIATION OF DAILY EAD ON TOP OF LAYER 3	0.000 0.000	0.000 0.001	0.001 0.000	9.999 9.999	0.001 0.000	0.000 0.001							
**********	******	******	*****	******	*****	******	PRECIPITATION	9.66 5.96	4.46 7.78	1.62 7.59	0.16 1.32	5.79 1.54	4.2
							RUNOF F	0.001	0.267	0.005	0.000	2.589	0.27
*************	*******	*******	*=****	********	*****	*******	514007041534044701	1.230	2.569	2.628	0.080	0.294	1.1
ANNUA	L TOTALS						EVAPOTRANSPIRATION	0.165 1.189	1.309	0.880 1.046	0.032 0.207	0.910 0.408	0.6 0.5
		INCHES		CU. FE	ET F	PERCENT	LATERAL DRAINAGE COLLECTED		2.7894				
CIPITATION		39.76		144328.		100.00	FROM LAYER 2 PERCOLATION/LEAKAGE THROUGH		3.805B 0.0000				
NOFF		6.62	9	24065.	906	16.67	LAYER 4		0.0000				
APOTRANSPIRATION		10.45	В	37964.	344	26.30							
AINAGE COLLECTED FROM LAYER	2	22.79	26	82737.	947	57.33	MONTHLY SUM	MARIES FO	R DAILY	HEADS (I	NCHES)		
RC./LEAKAGE THROUGH LAYER	4	0.00	999 6	0.	920	0.00							
G. HEAD ON TOP OF LAYER 3		0.00	01				AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000	0.000 0.000	0.000 0.000	0.000	0.0 0.0
HANGE IN WATER STORAGE		-0.12	1	-437.	620	-0.30	STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.001	0.0
IL WATER AT START OF YEAR		7.82	2	28394.	783		HEAD ON TOP OF LAYER 3	0.001	0.001	0.001	0.000	0.000	0.0
IL WATER AT END OF YEAR		7.70	2	27957.	164		***************************************	*******	**==**	******	******	******	****
OW WATER AT START OF YEAR		0.00	0	θ.	900	0.00							
OW WATER AT END OF YEAR		0.00	9	0.4	900	0.00	不断的的证据表现的证据证明的证据不要的证据的的证据的证据的证据	*******	*****	******	******	******	****
NUAL WATER BUDGET BALANCE		0.00	99	-0.4	808	0.00	ANNU	L TOTALS					
••••••••• • ••••••••••	*******	*******	******	*******	0 * * E E 0 4 4	******			INCHES		CU. FEI		ERCEN
							PRECIPITATION		43.70		158631.6	300 1	00.00
							RUNOFF		11.12	7	40391.	556	25.46
************	*******	******	******	*******	*****	*******	EVAPOTRANSPIRATION		8.84	5	32108.	102	20.24
MONTHLY TOTAL	S (TN TN	CHES) EO	9 VEAR	15			DRAINAGE COLLECTED FROM LAYER	2	23.72	76	B6131.	234	54.30
							PERC./LEAKAGE THROUGH LAYER	4	0.00	999 6	0.6	320	0.00
AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR		9.99 9.99 7.79	0	Ø.∙ 27957.`	9 99	Ø. 00	AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.000 0.000 0.000	6.888 6.886 6.886 6.888	0.000 0.000 0.000 0.000	6.000 6.000 6.000 6.000	0.000 0.000 0.000 0.000	9.96 9.96 9.96
SOIL WATER AT END OF YEAR		7.70	2	27957.	164		*********************	*******	****	+=0000ws	* • • • = = •	**=***	*****
NOW WATER AT START OF YEAR		0.00	ө	θ.	900	0.00							
NOW WATER AT END OF YEAR		0.00	9	0.4	999	0.00	*******************	********	******	*******	********	******	****
NNUAL WATER BUDGET BALANCE		0.00	99	- 0 . •	913	0.00	ANNU	L TOTALS					
*************************	******	*****	*****	*******	******	******			INCHES		CU. FEI	ET P	ERCEN
							PRECIPITATION		43.60		150267.5		00.00
							RUNOFF		7.04	9	25555.9	928	
							EVAPOTRANSPIRATION		12.29	В			16.15
***********											44641.1	940	
					******	******	DRAINAGE COLLECTED FROM LAYER	₹ 2	24.26		89070.:		28.21
MONTHLY TOTAL	S (IN IN	CHES) FO	R YEAR	16			DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER		24.26 Ø.00	18	89070.		28.21 55.65
	S (IN IN	CHES) FO	R YEAR	16 	MAY/NO	JUN/DEC				18 9 0 06	89070.	227	28.21 55.65
	S (IN IN	CHES) FO	R YEAR	16 APR/OCT	MAY/NOV	/ JUN/DEC	PERC./LEAKAGE THROUGH LAYER		0.00	18 9996 91	88070.: 0.(227	28.21 55.65
MONTHLY TOTAL	S (IN IN	CHES) FO	R YEAR	16 	MAY/NO	JUN/DEC	PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3		ø.99	18 9996 91	88070.: 0.(227 321 3 00	16.15 28.21 55.65 Ø.00

0.202 0.017

0.292 0.212 1.650

2.406 0.480 SOIL WATER AT END OF YEAR

SNOW WATER AT START OF YEAR

SNOW WATER AT END OF YEAR

ANNUAL WATER BUDGET BALANCE

7.702

0.000

0.000

0.0000

27957.164

0.000

0.000

-0.977

0.00

0.00

RUNOFF

EVAPOTRANSPIRATION

LAYER 4

LATERAL DRAINAGE COLLECTED FROM LAYER 2

PERCOLATION/LEAKAGE THROUGH

0.585 2.935

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

0.80B 2.369 0.704 1.078 0.200 0.229

1.0895 1.9102 1.8971 1.1443 1.5162 3.2333 4.7213 4.3758 1.8937 0.5687 0.6600 1.2518

8.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

MONTHLY TOTAL						
	JAN/JUL		MAR/SEP	APR/OCT	MAY/NO	V JUN/DEC
PRECIPITATION	2.70 7.94	7.01 15.04	3.69 6.69	4.53 2.52	3.61 1.73	4.66 1.89
RUNOFF		1.815 4.411				
EVAPOTRANSPIRATION		1.295 3.213				1.556 0.476
LATERAL DRAINAGE COLLECTED FROM LAYER 2						3 2.7150 3 1.0536
PERCOLATION/LEAKAGE THROUGH LAYER 4						9.0000 9.0000
MONTHLY SUMM		R DAILY I				
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000	0.000 0.001	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3						0.001 0.000
西班易海南州水水西哥西州水坝西海州州水水西海海州水西海海河 州水	*******	********	******	*******	0***** 0	*******
医医毒毒毒硷医医毒毒毒杀的水毒毒水分散医毒毒毒水水医毒毒毒水水		******	******		8 W N K K 8 8 :	******
	L TOTALS	FOR YEAR	l 17			
		INCHES		CU. FE	ET I	
PRECIPITATION		62.01		225096.		100.00
RUNOFF		15.00	3	54460.	605	24.19
EVAPOTRANSPIRATION					407	71 07
		13.06	3	47436.	402	21.07
DRAINAGE COLLECTED FROM LAYER	. 2	13.06				
DRAINAGE COLLECTED FROM LAYER	. 2					
	0.000 0.000	33.93	9.000	123199. 0.000	0.000	
AVERAGE DAILY HEAD ON	0.000	9.000 9.000 9.001	9.000 9.000 9.000 9.001	0.000 0.000	9.000 9.000	9.000 9.000 9.001
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	6.000 6.000 6.000 6.000	0.000 0.000 0.001 0.000	9.000 9.000 9.001 9.001 9.000	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000	9.000 9.000 9.000 9.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA	6.000 6.000 6.000 6.000	9.999 9.999 9.991 9.999 FOR YEAL	9.000 9.000 9.001 9.000	0.000 0.000 0.000 0.000	6.099 6.099 6.099 6.090 6.091	9.000 9.000 9.001 9.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF	6.000 6.000 6.000 6.000	0.000 0.000 0.000 0.001 0.000 FOR YEAI	0.000 0.000 0.001 0.000	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.001	9.000 9.000 9.001 9.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF EVAPOTRANSPIRATION	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 ***************	0.000 0.000 0.000 0.000 1.000	0.000 0.000 0.000 0.000 CU. FEI 192498.1 34942.4	0.000 0.000 0.000 0.001	9.000 9.000 9.000 9.000 9.000 9.000 10.000 10.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER	6.000 6.000 6.000 6.000 	0.000 0.000 0.000 0.000 0.000 inches 53.03 9.62(12.26(31.01)	0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000 0.000 1.000	0.000 0.000 0.000 0.001 1.000 1.000 0.001	0.000 0.000 0.000 0.000 0.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	6.000 6.000 6.000 6.000 	0.000 0.000 0.000 0.001 0.000 FOR YEAI INCHES 53.03 9.62(12.266 31.01)	9.000 9.000 9.001 9.000 8.18 5.5	0.000 0.000 0.000 0.000 0.000 1.000	0.000 0.000 0.000 0.001	0.000 0.000 0.000 0.000 0.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF EVAPDTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3	6.000 6.000 6.000 6.000 	9.899 9.899 9.890 9.891 9.890 INCHES 53.83 9.620 12.260 31.01! 9.890	9.000 0.000 0.001 0.000 2.000 3.000 3.000 5.55 5.58 9.000 9.000	0.000 0.000 0.000 0.000 0.000 1.000	0.000 0.000 0.000 0.000	9.000 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER	6.000 6.000 6.000 6.000 	9.800 9.800 9.800 9.800 10.800 10.800 10.800 12.260 9.800 9.800 9.800	9.000 0.000 0.001 0.000 *****************	0.000 0.000 0.000 0.000 0.000 1.000	0.000 0.000 0.000 0.001 0.001 0.001 0.002	0.000 0.000 0.000 0.000 10.000 10.000 11.15 123.13
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER PERC./LEAKAGE THROUGH LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE	6.000 6.000 6.000 6.000 	9.899 9.899 9.890 9.891 9.890 INCHES 53.83 9.620 12.260 31.01! 9.890	9.000 9.000 9.001 9.001 9.001 5.55 8.0007	0.000 0.000 0.000 0.000 1.000 1.000 4.000 4.000 1.000	0.000 0.000 0.000 0.000 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001	9.000 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000 9.001 9.000
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNOFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR	6.000 6.000 6.000 6.000 	0.000 0.000 0.001 0.000 10.000 10.000 10.000 10.000 10.000 11.010 10.000 11.010 10.000 11.010 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.000 10.0000 10.000 10.000 10.00000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00000 10.0000 10.0000 10.0000 10.0000 10.0000 10.00000 10.0000 10.0000 10.0000 10.00000 10.00000 10.00000 10.0000 10.00000 10.000	0.000 0.000 0.000 0.001 0.000 5.55 5.58 9007	0.000 0.000 0.000 0.000 1.000 4.000 1.000 4.000 1.000	0.000 0.000 0.000 0.001 0.001 10.001	9.000 9.000 9.001 9.000 9.001 9.000 18.15 23.13 58.49 9.00
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNGFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN WATER STORAGE SOIL WATER AT START OF YEAR SOIL WATER AT END OF YEAR	6.000 6.000 6.000 6.000 	9.999 9.991 9.999 9.820 12.260 31.01: 9.620 9.620 12.7.70: 7.70:	9.000 9.000 9.001 9.000 18 18 55 56 58 9007 92 2	0.000 0.000 0.000 0.000 0.000 1.000	0.000 0.000 0.000 0.001 3.000 3.001 3.000 3.001 3.000	0.000 0.000 0.000 0.000 10.000 18.15 23.13 58.49 0.00
AVERAGE DAILY HEAD ON TOP OF LAYER 3 STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3 ANNUA PRECIPITATION RUNDFF EVAPOTRANSPIRATION DRAINAGE COLLECTED FROM LAYER AVG. HEAD ON TOP OF LAYER 3 CHANGE IN MATER STORAGE SOIL MATER AT START OF YEAR SOUL MATER AT END OF YEAR	6.000 6.000 6.000 6.000 	0.000 0.000 0.000 0.000 0.001 0.000 1.000 1.000 1.000 0.000 0.12: 7.70: 7.82- 0.000	9.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 192498. 34942. 44525. 112587. 0.6	0.0000 0.0000 0.0000 0.001 1.0000 1.0000 0.001 1.0000 1.0000 0.001 1.0000 1.0000 0.001 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.000000 1.00000 1.00000 1.00000 1.0000000 1.000000 1.00000000	0.000 0.000 0.000 0.001 0.000 18.15 23.13 58.49 0.00

PERC./LEAKAGE THROUGH LAYER	4	0.00	8998	0.6	92B	0.00
AVG. HEAD ON TOP OF LAYER 3		0.00	92			
CHANGE IN WATER STORAGE		0.00	Э	0.6	900	0.00
SOIL WATER AT START OF YEAR		7.70	2	27957.	164	
SOIL WATER AT END OF YEAR		7.70	2	27957.	164	
SNOW WATER AT START OF YEAR		0.00	а	0.6	300	0.00
SNOW WATER AT END OF YEAR		0.000	Э	0.6	800	0.00
ANNUAL WATER BUDGET BALANCE		0.000	99	-0.6	842	0.00
医医费潘特医费泰特州水杨泰泽州州 医西海海海峡 医海海海峡		******	*****	******	*****	******
****************	*******	******	******	*******	******	*******
MONTHLY TOTAL	S (IN IN	CHES) FO	R YEAR	18		
		FEB/AUG				
PRECIPITATION	3.70	6.49	0 35	3 47	5 66	7 17
PRECIPITATION		6.49				
RUNOFF	0.313	1.165	2.699	0.229	0.744	1.917
	0.421	1.081	0.033	0.121	0.844	0.059
EVAPOTRANSPIRATION		1.216				
	1.180	2.261	0.405	0.306	0.232	0.307
LATERAL DRAINAGE COLLECTED FROM LAYER 2	2.5013 2.0976					

MONTHLY SUMMARIES FOR DAILY HEADS (INCHES)

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

PERCOLATION/LEAKAGE THROUGH LAYER 4

RUNOFF

EVAPOTRANSPIRATION

****************	*******	*****	******	*******	******	*******
MONTHLY TOTALS	(IN IN	CHES) FO	R YEAR	19		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION		4.74 10.48			1.44 4.52	3.57 2.28
RUNOFF		0.867 3.512		0.158 2.339		
EVAPOTRANSPIRATION	0.554 1.846	1.125 1.434		0.389 1.510		
LATERAL DRAINAGE COLLECTED FROM LAYER 2		2.7496 5.5430		0.8469 5.0931		
PERCOLATION/LEAKAGE THROUGH LAYER 4		0.0000				
MONTHLY SUMM	ARIES FO	R DAILY I	HEADS (II	NCHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3		0.000 0.000		0.000 0.000		
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3		0.000 0.001				
*********************	******	*******	******	*******	*****	*******
******************	******	******	******		******	******
ANNUA		FOR YEAR				
		INCHES		CU. FEI	ET PI	ERCENT
PRECIPITATION		58.87		213698.	125 10	90.00

12.773

11.598

46364.523 21.70

42100.480 19.70

DRAINAGE COLLECTED FROM LAYE	:R 2	34.498	7	125230.4	106	58.60	MONTHLY SUM						
PERC./LEAKAGE THROUGH LAYER	4	0.000	989	0.6	928	0.00							
AVG. HEAD ON TOP OF LAYER 3	ş.	0.000	2				AVERAGE DAILY HEAD ON TOP OF LAYER 3	9.000	0.000	0.000 0.000	9.000	0.000	8.00 8.00
CHANGE IN WATER STORAGE		0.001		2.7	702	0.00							
SOIL WATER AT START OF YEAR		7.824		28401.1	133		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000	0.000 0.001	0.000 0.000	0.000	8.00 8.00
SOIL WATER AT END OF YEAR		7.825		28403.6	336		*****************	*******	***=***	*****		******	*****
SNOW WATER AT START OF YEAR		0.000		0.6	900	0.00							
SNOW WATER AT END OF YEAR		0.000		0.6	900	0.00	张松春春春冰水春春春水冷水春春春凉水水水春春春冰水水香春春 凉	******	*******	******	*******	******	*****
ANNUAL WATER BUDGET BALANCE		0.000	ю	-0.6	113	0.00	ANNI	AL TOTALS	FOR YEA	1 20			
											CU. FEI		ERCENT
							PRECIPITATION		55.32		200811.0		00.00
							RUNOFF		12.52		45464.6		22.64
***********	*******	******	******	*******	******	*****	EVAPOTRANSPIRATION		12.22	5	44380.0	041	22.10
MONTHLY TOTA	ALS (IN INC	HES) FOR	YEAR	20			DRAINAGE COLLECTED FROM LAYE	l 2	30.69	23	111412.9	169	55.48
							PERC./LEAKAGE THROUGH LAYER	4	0.00	3007	0.6	326	0.00
	JAN/JUL			-			AVG. HEAD ON TOP OF LAYER 3		0.00	3 2			
PRECIPITATION	3.86	7.49	2.34	1.19	1.53	12.61	CHANGE IN WATER STORAGE		-0.12	3	-446.8	72	-0.22
THECTITISTEM	7.41	7.62	4.70	0.11	1.96	4.50	SOIL WATER AT START OF YEAR		7.82	5	28403.6	336	
RUNOFF	0.453	1.136	0.142	0.075	0.010	3.720	SOIL WATER AT END OF YEAR		7.70	2	27957.1	164	
	2.116	2.605	1.237	0.000	0.001	0.950	SNOW WATER AT START OF YEAR		0.00	э	0.6	900	0.00
	0.883	1.404	0.643	0.413	0.434	2.730 0.630	SNOW WATER AT END OF YEAR				9.6	800	0.00
EVAPOTRANSPIRATION	1.959	2.006	0.737						0.00				
		2.006 4.8263			1.0067	6.0431	ANNUAL WATER BUDGET BALANCE		0.00		-0.6	904	0.00
EVAPOTRANSPIRATION LATERAL DRAINAGE COLLECTED FROM LAYER 2	2.6465		1.5711	0.8095			ANNUAL WATER BUDGET BALANCE		0.00	3 0	-0.6		
LATERAL DRAINAGE COLLECTED	2.6465 3.4081	4.8263 3.0519 0.0000	1.5711 2.7262 8.8888	0.8095 0.0569	1.4312 0.0000	3.0348 0.0000		*******	0.00	3 0	-0.6		

MONTHLY TOTAL	s (IN IN	CHES) FOR	YEAR	21				
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC		
PRECIPITATION		2.62 8.81		1.43 4.09	3.57 2.13	5.14 2.88		
RUNOFF	0.205	0.120	1.284	0.115	0.877	1.393		
	2.595	2.897	0.359	1.166	0.155	0.308		
EVAPOTRANSPIRATION	0.362	0.695	0.927	0.191	1.051	0.578		
	1.407	1.556	0.747	0.609	0.729	0.530		
LATERAL DRAINAGE COLLECTED	1.6331	1.7106	2.5842	1.0106	1.7555	3.1695		
FROM LAYER 2	3.9654	4.309B	1.0731	2.3114	1.3439	2.0591		
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0000 0.0000				0.0000			
MONTH V CLIMM	ADTEC FOR	DATIVI	ICADE (T	MCDCC)				
MONTHLY SUMM	ARIES FOR	UALLY F	1CAD3 (11					
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000			0.000				
TOP OF LAYER 3	9.000	0.000	6.666	9.000	0.000	0.000		
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.001							

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**************	*******	*******	******		******	******		
ANNUA	L TOTALS		21					
		INCHES		CU. FEI		ERCENT		
PRECIPITATION		48.66		176635.		99.99		
RUNOFF		11.474	ı	41651.	801	23.58		

	EVAPOTRANSPIRATION	9.379	34047.348	19.28
	DRAINAGE COLLECTED FROM LAYER 2	27.B062	100936.687	57.14
	PERC./LEAKAGE THROUGH LAYER 4	0.000006	0.023	0.00
	AVG. HEAD ON TOP OF LAYER 3	0.0002		
	CHANGE IN WATER STORAGE	0.000	0.000	0.00
	SOIL WATER AT START OF YEAR	7.702	27957.164	
	SOIL WATER AT END OF YEAR	7.702	27957.164	
	SNOW WATER AT START OF YEAR	0.000	0.000	0.00
	SNOW WATER AT END OF YEAR	0.000	0.000	0.00
	ANNUAL WATER BUDGET BALANCE	0.0000	-0.072	0.00
ĸ	***************	*********	*********	*******

	*****	****	*=0000ws		******	*****			
MONTHLY TOTALS (IN INCHES) FOR YEAR 22									
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC			
PRECIPITATION		2.50 6.40			4.27 2.54				
RUNOFF		0.004 1.278	0.329 0.738		0.486 0.281	3.542 0.000			
EVAPOTRANSPIRATION	0.327 1.561	0.632 1.920	1.412 0.700		1.004 0.647	1.757 0.459			
LATERAL DRAINAGE COLLECTED FROM LAYER 2		1.7036 3.3001			2.7796 1.7413				
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.0000 0.0000	0.0000 0.0000				8.9998 8.9998			

/ERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	9.99
				0.000		
D. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3				0.000 0.001		
*********************		******	******	*******	*****	******
**************************************		FOR YEAR		********	******	******
		INCHES		CU. FEE	ΞT	PERCENT
PRECIPITATION		54.72		198633.5		100.00
RUNDEF		11.903 43208.840		140	21.75	
EVAPOTRANSPIRATION		12.11	111 43962.918		918	22.13
DRAINAGE COLLECTED FROM LAYER	2	30.76	57	111461.7	797	56.11
PERC./LEAKAGE THROUGH LAYER 4		0.000	3007	0.6	926	0.00
AVG. HEAD ON TOP OF LAYER 3		0.000	92			
CHANGE IN WATER STORAGE		0.000	9	0.6	900	0.00
SOIL WATER AT START OF YEAR		7.70	2	27957.1	L64	
SOIL WATER AT END OF YEAR		7.70	2	27957.1	164	
SNOW WATER AT START OF YEAR		0.000	9	0.6	900	0.00
SNOW WATER AT END OF YEAR		0.000	9	0.6	900	0.00
		0.000	30	-0.€	10	0 00

RUNOFF	15.285	55485.750	25.22
EVAPOTRANSPIRATION	12.112	43965.273	19.99
DRAINAGE COLLECTED FROM LAYER 2	33.2030	120526.969	54.79
PERC./LEAKAGE THROUGH LAYER 4	0.000007	0.027	0.00
AVG. HEAD ON TOP OF LAYER 3	0.0002		
CHANGE IN WATER STORAGE	0.000	0.000	0.00
SOIL WATER AT START OF YEAR	7.702	27957.164	
SOIL WATER AT END OF YEAR	7.702	27957.164	
SNOW WATER AT START OF YEAR	0.000	0.000	0.00
SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.041	0.00
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MONTHLY TOTALS (IN INCHES) FOR YEAR 24										
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC				
PRECIPITATION		5.20 11.52				10.15 3.11				
RUNOFF	0.136 1.788	0.781 3.302	0.898 0.000	0.662 1.689	2.137 0.209	5.115 1.171				
EVAPOTRANSPIRATION	0.619 3.009	0.916 2.637	2.091 0.588	0.782 0.660	1.278 0.919	1.047 0.319				
LATERAL DRAINAGE COLLECTED FROM LAYER 2	1.4544 5.5127	3.3791 5.4536	3.4652 0.3343	1.6752 3.1082	2.8949 2.18 0 9	3.9973 1.6194				

MDNTHLY TOT	ALS (IN IN	CHES) FO	R YEAR	23		
					MAY/NOV	
PRECIPITATION					3.89	
	5.86	1.40	11.59	9.66	1.24	1.83
RUNOFF	0.344	0.984	1.019	1.131	1.353	1.436
	1.453	0.103	2.998	4.340	0.000	0.126
EVAPOTRANSPIRATION	9 247	A 021	1.796	1 759	0.664	1 036
LIA STIGHT			2.017			
LATERAL DRAINAGE COLLECTED	1 5779	2 6979	4 2024	3 3833	1 9739	2 697
FROM LAYER 2			6.5752		0.9161	
PERCOLATION/LEAKAGE THROUGH	9.0000	0.0000	9.9999	9.0000	0.0000	9.995
LAYER 4					0.0000	
MONTHLY SU	MMARIES FO	R DAILY				
AVERAGE DAILY HEAD ON TOP OF LAYER 3	9.000		0.00 0 0.001			
STD. DEVIATION OF DAILY	0 000	0 001	a aa1	a aa1	0.000	a aa1
HEAD ON TOP OF LAYER 3					0.000	
********	********	******	*****		*****	
************	********	*****	*****	*******	******	*****
ANN	UAL TOTALS	FOR YEA	R 23			
		INCHES			ET P	
PRECIPITATION		60.60		219977.		 30.00

PERCOLATION/LEAKAGE THROUGH LAYER 4	9.0000 9.0000			9.0000 9.0000		
MONTHLY SUM	MARIES FOR	DAILY H	EADS (IN	ICHES)		
AVERAGE DAILY HEAD ON	0.000	n 000	0.000	0.000	0.000	0.000
TOP OF LAYER 3				0.000		
STD. DEVIATION OF DAILY	0.000					
HEAD ON TOP OF LAYER 3	0.001					
*****************************	********	**= = 0 0 0 7	******		******	******
	AL TOTALS					
		INCHES		CU. FEE	τ P	ERCENT
PRECIPITATION		67.91		246513.2	81 1	00.00
RUNOFF		17.969	•	65226.9	10	26.45
EVAPOTRANSPIRATION		14.866	i	53963.4	10	21.89
DRAINAGE COLLECTED FROM LAYER	R 2	35.075	2	127322.9	45	51.65
PERC./LEAKAGE THROUGH LAYER	4	0.000	1999	0.6	129	0.00
AVG. HEAD ON TOP OF LAYER 3		0.000	12			
CHANGE IN WATER STORAGE		0.000)	0.6	100	0.00
SOIL WATER AT START OF YEAR		7.702		27957.1	.64	
SOIL WATER AT END OF YEAR		7.702		27957.1	.64	
SNOW WATER AT START OF YEAR		0.000	,	0.6	100	0.00
SNOW WATER AT END OF YEAR		0.000	1	0.6	100	0.00
ANNUAL WATER BUDGET BALANCE		0.000	10	-0.6	109	0.00
*************	********	**==***	******		******	*=====

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MONTHLY TOTA	ALS (IN INC					
					MAY/NOV	
PRECIPITATION		2.89 8.86		2.01 4.40	2.67 1.64	5.37 1.34
RUNOFF		0.149 3.469			0.669 0.022	1.405 0.041
EVAPOTRANSPIRATION	0.648 0.643	0.907 1.257			0.440 0.533	
LATERAL DRAINAGE COLLECTED FROM LAYER 2					1.5609 1.0056	
PERCOLATION/LEAKAGE THROUGH LAYER 4					0.0000 0.0000	
MONTHLY SUF		DAILY I	HEADS (II	NCHES)		
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000 0.000	0.000				
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3					0.000	
***********	*********	*****	******	******	****	*****
************	*********	******	******	******	******	*=0000**
ANNU	JAL TOTALS					
		INCHES			ET P	

FROM LAYER 2	4.7964	3.1530	1.5573	3.1401	1.3025	3.5574			
PERCOLATION/LEAKAGE THROUGH LAYER 4				0.0000		0.0000 0.0000			
CATCH 4	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
MONTHLY SUMMA			EADS (II	(CHES)					
AVERAGE DAILY HEAD ON TOP OF LAYER 3	0.000			0.000		0.000			
	0.000 0.001			0.000 0.001		0.001 0.001			
	******	******		****	**=****	=*****			
****************	*******	** * * * * * * *	******		*******	******			
ANIAMA	TOTALC	FOR VEAR	36						
ANNUAL TOTALS FOR YEAR 26									
		INCHES		CU. FEE		RCENT			
PRECIPITATION		52.10		199123.0	16 16	10.00			
RUNOFF		10.479		30037.3	24 2	0.11			
EVAPOTRANSPIRATION		12.206		44308.7	34 - 2	3.43			
DRAINAGE COLLECTED FROM LAYER	2	29.415	1	106776.9	14 5	6.46			
PERC./LEAKAGE THROUGH LAYER 4		0.000	007	0.0	25	0.00			
AVG. HEAD ON TOP OF LAYER 3		0.000	2						
CHANGE IN WATER STORAGE		0.000		0.0	00	0.00			
SOIL WATER AT START OF YEAR		7.702		27957.1	64				
SOIL WATER AT END OF YEAR		7.702		27957.1	64				
SNOW WATER AT START OF YEAR		0.000		0.0	66	0.00			
SNOW WATER AT END OF YEAR		0.000		0.0	00	0.00			
ANNUAL WATER BUDGET BALANCE		0.000	Ð	0.0	23	0.00			

	PRECIPITATION	46.31	169105.359	100.00
	RUNOFF	9.172	33295.953	19.81
	EVAPOTRANSPIRATION	10.354	37585.023	22.36
	DRAINAGE COLLECTED FROM LAYER 2	26.7836	97224.320	57.84
	PERC./LEAKAGE THROUGH LAYER 4	0.000006	0.023	0.00
	AVG. HEAD ON TOP OF LAYER 3	0.0002		
	CHANGE IN WATER STORAGE	0.000	0.000	0.00
	SOIL WATER AT START OF YEAR	7.702	27957.164	
	SOIL WATER AT END OF YEAR	7.702	27957.164	
	SNOW WATER AT START OF YEAR	0.000	0.000	0.00
	SNOW WATER AT END OF YEAR	0.000	0.000	0.00
	ANNUAL WATER BUDGET BALANCE	0.0000	0.039	0.00
ń	***************************************		*********	*****

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MONTHLY TOTA	LS (IN IN	CHES) FO	R YEAR	26		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.16 11.00	3.69 6.10	1.22 2.29	4.50 5.10	1.39 1.94	6.87 5.84
RUNOFF	0.070 4.083	0.431 1.176	0.000 0.106	0.466 0.734	0.140 0.209	1.528 1.535
EVAPOTRANSPIRATION	0.460 2.133	1.273 1.735	0.445 0.753	1.166 1.222	0.200 0.432	1.638 0.748
LATERAL DRAINAGE COLLECTED	1.6041	2.0105	0.7746	2.8687	1.0495	3.6011

MONTHLY TOTAL			R YEAR			
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DE
PRECIPITATION					9.97	
	14.07	4.51	1.84	0.56	4.26	3.23
RUNOFF	0.024	0.227	0.599	1.055	4.680	0.369
	6.345	0.847	0.129	0.000	1.203	0.507
EVAPOTRANSPIRATION	0.849	1.113	0.031	0.697	1,494	0.751
	2.018					
LATERAL DRAINAGE COLLECTED	1 2173	2 9956	2 9743	2 4359	1.9185	1 828
FROM LAYER 2					2.5385	
PERCOLATION/LEAKAGE THROUGH	0.0000	0.0000	0.0000	9.0000	0.0000	8.999
LAYER 4	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
MONTHLY SU	MMARIES FO	R DAILY	HEADS (II	NCHES)		
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY	0.000	0.000	0.000	0.000	0.001	0.000
HEAD ON TOP OF LAYER 3		0.000				

		INCHES		CU. FEI		PERCENT	LATERAL DRAINAGE COLLECTED FROM LAYER 2		1.3920 3.2142				
PRECIPITATION		56.52		205167.	578	100.00	PERCOLATION/LEAKAGE THROUGH		0.0000			0.0000	
RUNOFF		16.06	4	58310.	570	28.42	LAYER 4		0.0000		0.0000	0.0000	
EVAPOTRANSPIRATION		10.65	1	39663.	812	18.84							
DRAINAGE COLLECTED FROM LAYER	R 2	29.80	55	108193.	945	52.73	MONTHLY SU	MMARIES FO	R DAILY I	HEADS (I	NCHES)		
PERC./LEAKAGE THROUGH LAYER	4	0.00	0007	0.	025	Ø.00							
AVG. HEAD ON TOP OF LAYER 3		0.00	02				AVERAGE DAILY HEAD ON	0.000		0.000	0.000	0.000	0.0
CHANGE IN WATER STORAGE		0.00	0	0.4	900	0.00	TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.0
SOIL WATER AT START OF YEAR		7.70	2	27957.	164		STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.001	0.000	0.000 0.000	0.000 0.000	0.000	0.00
SOIL WATER AT END OF YEAR		7.70	2	27957.	164			******	****		****	**=***	*****
SNOW WATER AT START OF YEAR		0.00	0	0.4	800	0.00							
SNOW WATER AT END OF YEAR		0.00	0	0.	800	0.00	****************	****	******	*******	******	*****	*****
ANNUAL WATER BUDGET BALANCE		0.00	00	0.4	82 0	0.00		UAL TOTALS					
	*******	******	*****	*******	****	*******			INCHES		CU. FEI	т р	ERCEN1
							PRECIPITATION		38.34		139174.		00.00
							RUNOFF		4.90	Ð	17788.4	155	12.78
							EVAPOTRANSPIRATION		9.32	5	33852.1	195	24.32
							DRAINAGE COLLECTED FROM LAY	ER 2	24.11	28	87529.	55	62.89
MONTHLY TOTAL							PERC./LEAKAGE THROUGH LAYER	4	0.00	300 6	0.6	922	0.00
						V JUN/DEC	AVG. HEAD ON TOP OF LAYER	3	0.00	9 1			
							CHANGE IN WATER STORAGE		0.00	1	3.9	967	0.00
RECIPITATION	1.65 4.04	1.96 5.73	5.02 1.17	2.97 2.79	4.84 2.87	2.17 3.13	SOIL WATER AT START OF YEAR		7.70	2	27957.1	164	
UNOFF	0.136	0.114	0.313		1.113		SOIL WATER AT END OF YEAR		7.70	3	27961.1	31	
	0.465	1.431	0.005	0.658	0.232		SNOW WATER AT START OF YEAR		0.00	9	в.	999	0.00
VAPOTRANSPIRATION	0.450 1.196	0.454 0.965	1.373 0.609	1.085 0.335	0.734 0.771		SNOW WATER AT END OF YEAR		0.00	9	θ.6	999	0.00
ANNUAL WATER BUDGET BALANCE		0.00			a3 0	Ø.00	ANN	UAL TOTALS					
***************************************	********	*******	******	*******	8 * * * * * * *	10% 4 0 0 0 0 % 4			INCHES		CU. FEI		ERCEN
							PRECIPITATION		44.48		161462.	175 1	00.00
							RUNOFF		11.69	3	42463.7	711	26.30

*************	******	*******	******	*******	******	*****
***************	********			******		******
MONTHLY TOTA	IS (TN TN	CHES) FOR	LYFAR	29		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
DDECTOTATION	4 55	2 05	7.63	4 00	5 64	
PRECIPITATION	6.46	3.85 5.93	7.0Z	0.02	1 22	1 18
	0.40	3.33	3.93	0.03	1.22	1.10
RUNOFF	0.062	0.743	2.216	0.006	2.018	0.513
		1.904				
EVAPOTRANSPIRATION		0.642				
	1.052	1.117	0.697	0.100	0.132	0.371
	4 8050			. 7000	3 0045	
FROM LAYER 2	1.0952	2.4049				
FROM DATER 2	3.2622	2.9000	3.0798	0.0323	1.0323	0.6033
PERCOLATION/LEAKAGE THROUGH	9.0000	0.0000	8.8888	0.0000	0.0000	0.0000
LAYER 4		0.0000				
MONTHLY SUM	MARIES FO	R DAILY H				
AVERAGE DAILY HEAD ON	0.000	0.000	0.000	0.000	0.000	0.000
TOP OF LAYER 3		0.000				
STD. DEVIATION OF DAILY	0.000					
HEAD ON TOP OF LAYER 3	0.001	0.000	0.000	0.000	0.000	0.000

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ANNUA	L TOTALS	FOR YEAR	l 2 9			
		INCHES		CU. FEI		
PRECIPITATION		44.48		161462.		.00.00
RUNOFF		11.698	3	42463.	711	26.30
EVAPOTRANSPIRATION		8.800)	31943.	229	19.78
DRAINAGE COLLECTED FROM LAYER	2	23.98	13	87059.4	122	53.92
PERC./LEAKAGE THROUGH LAYER	4	0.000	1006	Θ.	321	0.00
AVG. HEAD ON TOP OF LAYER 3		0.000)1			
CHANGE IN WATER STORAGE		-0.001	L	-3.9	967	0.00
SOIL WATER AT START OF YEAR		7.70	ı	27961.	131	
SOIL WATER AT END OF YEAR		7.70	!	27957.	164	
SNOW WATER AT START OF YEAR		0.000)	Θ.	900	0.00
SNOW WATER AT END OF YEAR		0.000)	0.6	300	0.00
ANNUAL WATER BUDGET BALANCE		0.000	10	-0.6	348	0.00
************		*******	*****	******	******	*******

MONTHLY TOTAL		CHEZ) FO	L YEAR	30		
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DEC
PRECIPITATION	2.85 3.59	4.68 4.40	0.30 5.75	3.62 9.81	2.65	5.61 3.48
RUNOFF	0.189	0.781 0.297	2.511	0.516	0.335	1.282

EVAPOTRANSPIRATION		0.777 1.621		0.800 0.126		1.003 0.747
LATERAL DRAINAGE COLLECTED FROM LAYER 2	2.0452 1.8099			2.3047 0.5773		
PERCOLATION/LEAKAGE THROUGH LAYER 4				0.0000 0.0000	0.0000 0.0000	
MONTHLY SUMM	ARIES FOR	DAILY H	EADS (I	ICHES)		
	0.000	0.000	9.999	0.000	0.000	9.999
TOP OF LAYER 3	0.000	0.000	0.000	0.000	0.000	0.000
STD. DEVIATION OF DAILY HEAD ON TOP OF LAYER 3	0.000 0.000			9.000		
*********************	********	*******	******	*******	*****	******
ANNI IAI	TOTALS			*******	******	
				CU. FEE		
PRECIPITATION		48.00		174530.3		
RUNOFF		7.784	ı	28255.7	736 1	6.19
EVAPOTRANSPIRATION		11.407	,	41406.3	312 2	13.72
DRAINAGE COLLECTED FROM LAYER	2	28.773	16	104448.1	56 9	9.05
PERC./LEAKAGE THROUGH LAYER 4	1	0.000	1007	0.6	324	0.00
AVG. HEAD ON TOP OF LAYER 3		0.000)2			
CHANGE IN WATER STORAGE		0.116	,	420.1	.65	0.24
SOIL WATER AT START OF YEAR		7.702	!	27957.1	.64	
SOIL WATER AT END OF YEAR		7.817	,	20377.3	128	
SNOW WATER AT START OF YEAR		0.000)	0.6	100	0.00

SNOW WATER AT END OF YEAR	0.000	0.000	0.00
ANNUAL WATER BUDGET BALANCE	0.0000	-0.017	0.00
*******************	**********	*****	*******

	LY VALUES I	N INCHES	FOR YEARS	1 THR	OUGH 30)
	JAN/JUL	FEB/AUG	MAR/SEP	APR/OCT	MAY/NOV	JUN/DI
PRECIPITATION						
TOTALS	2.45	3.63	4.70	2.73	4.18	5.96
	7.24	7.26	4.83	2.68	2.00	2.8
STD. DEVIATIONS	1.74	1.59	2.10	1.69	2.14	3.2
	3.35	3.06	2.66	2.45	1.05	1.5
RUNOFF						
TOTALS	0.279	0.504	0.903	0.371	1.004	1.6
	1.872	1.934	1.129	0.664	0.217	0.4
STD. DEVIATIONS	0.471	0.430	0.765	0.401	1.194	1.49
	1.658	1.248	1.113	₽.977	0.286	0.4
EVAPOTRANSPIRATION						
TOTALS	0.578	0.025	1.097	0.712	0.877	1.2
	1.807	1.634	1.036	0.433	0.399	0.5
STD. DEVIATIONS	0.329	0.295	0.465	0.495	0.429	0.6
	0.704	0.679	0.517	0.353	0.219	0.2
LATERAL DRAINAGE COL	LECTED FROM	LAYER 2	!			
TOTALS	1.6098	2.2921	2.6916	1.6559	2.3155	3.0
		3.6919				
STD. DEVIATIONS	1 6762	0.9857	1.0837	0.9268	0.9993	1.3
SID. DEVIALIONS		1,4123		1.2778		

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AVERAGES OF MONTHLY AVERAGED DAILY HEADS (INCHES)

DAILY AVERAGE HEAD ON TOP OF LAYER 3

PERCOLATION/LEAKAGE THROUGH LAYER 4

AMERICA ANNUAL TOTALS # (CTO DEMINISTRANCE) FOR YEARS 4 TURNING 30

AVERAGE ANNUAL TOTALS & (STD. DEVIATIO	ONS) FOR YEA	ARS 1 THROUG	SH 30
	INCHES	i	CU. FEET	PERCENT
PRECIPITATION	50.57 (B.664)	193580.0	100.00
RUNOFF	10.930 (3.7797)	39675.42	21.612
EVAPOTRANSPIRATION	11.237 (1.7652)	40791.57	22.220
LATERAL DRAINAGE COLLECTED FROM LAYER 2	28.40629 (3.94409)	193114.844	56.16890
PERCOLATION/LEAKAGE THROUGH LAYER 4	0.00001 (0.00000)	0.924	0.00001
AVERAGE HEAD ON TOP OF LAYER 3	0.000 (0.000)		
CHANGE IN WATER STORAGE	-0.001 (0.0650)	-1.86	-0.001

*	

PEAK DAILY VALUES FOR YEARS	1 IMROUGH	
	(INCHES)	(CU. FT.)
PRECIPITATION	5.32	19311.602
RUNOFF	4.141	15031.2773
DRAINAGE COLLECTED FROM LAYER 2	1.55737	5653.24365
PERCOLATION/LEAKAGE THROUGH LAYER 4	9.999999	0.00101
AVERAGE HEAD ON TOP OF LAYER 3	0.003	
MAXIMUM HEAD ON TOP OF LAYER 3	0.005	
LOCATION OF MAXIMUM HEAD IN LAYER 2 (DISTANCE FROM DRAIN)	0.0 FEET	
SNOW WATER	1.03	3735.4602
MAXIMUM VEG. SOIL WATER (VOL/VOL)	0.	2632
MINIMUM VEG. SOIL WATER (VOL/VOL)	0.	0240
*** Maximum heads are computed using	g McEnroe's equa	tions. "°°
Reference: Maximum Saturated De by Bruce M. McEnroe, ASCE Journal of Env Vol. 119, No. 2, Man	University of Tronmental Engin	Kansas eering

	FINAL WATER ST	ORAGE AT END OF	YEAR 3	80
	LAYER	(INCHES)	(VOL/VOL))
	1	0.1301	0.2169	
	2	0.0013	0.0100	
	3	0.0000	0.0000	
	4	7.6060	0.4270	
S	NOW WATER	0.000		
********	********	******	*******	

ATTACHMENT E

CLOSURE AND POST-CLOSURE COST ESTIMATES

CLOSURETURF® FINAL COVER SYSTEM OPTION

GSC5242 May 2020

Closure Cost Estimate

Class Three Landfill - Largest and Most Expensive Area Requiring Closure Winyah Generating Station, Georgetown County, South Carolina

Largest landfill area requiring closure at any time:		31,3	AC	Date Prepared:		May 2020	
Item Number	Description	Estimated Quantity	Unit		Unit Price		Total Closure Cos
1	Bonds, Insurance, Mobilization and Demobilization	5%	LS	\$	341,432	\$	341,432
2	Temporary Stormwater Water Management	31,3	AC	\$	3,249	\$	101,690
3	Cover Subgrade Preparation	31,3	AC	\$	9,747	\$	305,069
4	Reinforced Geosysnthetic Clay Layer (GCL)	1,363,428	SF	\$	0,65	\$	885,919
5	ClosureTurf® with 50-mil SuperGripnet®	1,363,428	SF	\$	2,60	\$	3,544,913
6	Drainage Terrace Riprap Lining	3,163	T	\$	38,30	\$	121,152
7	18" HDPE Downdrain Pipe	2,000	LF	\$	43,32	\$	86,636
8	Waste Excavation and Disposal for Downdrain Pipes	1,375	CY	\$	8,66	\$	11,913
9	Structural Fill for Downdrain Pipes	1,250	CY	\$	5,41	\$	6,768
10	Downdrain Inlets	27	EA	\$	2,707	\$	73,099
11	Downdrain Outlet Concrete Pads with Energy Dissipators	5	EA	\$	2,437	\$	12,183
12	Gravel Final Cover Access Road	6,100	SY	\$	29.24	\$	178,363
13	Miscellaneous Work & Cleanup	31.3	AC	\$	8,122	\$	254,224
14	Engineering and CQA Services	31,3	AC	\$	16,244	\$	508,448
15	5% Contingency of Above Items	5%	LS	\$	358,504	\$	358,504
				Tota	l Closure Cost 1	s	6,790,312
				Clos	ure Cost per Acre 2	S	216,943

Notes:

- 1. This cost estimate is based on Final Cover System Design Option 3.
- 2. Closure cost per acre may be used to calculate the estimated closure cost for other areas requiring closure by taking this per-acre rate multiplied by the number of acres.
- 3. Costs are in 2020 dollars. For items in-common with the original 2016 Closure Cost Estimate, those unit prices were inflated to 2020 rates; for new items, 2020 unit prices were obtained.

