

ET Adjustment
and the Entity File (*.ent)
for the Eastern Snake Plain Aquifer Model Version 2
AS BUILT

Prepared by Idaho Water Resources Research Institute

In fulfillment of the Water-Budget Component – ET Adjustment and Entity Data

of Contract # CON00803

for

The Idaho Department of Water Resources



University of Idaho

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November 2010

Idaho Water Resources Research Institute Technical Report 201009

ESPAM 2 Design Document DDW-V2-11

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DESIGN DOCUMENT OVERVIEW

During calibration of the Eastern Snake Plain Aquifer Model Version 1.1 (ESPAM 1.1), a series of Design Documents were produced to document data sources, conceptual model decisions and calculation methods. These documents served two important purposes; they provided a vehicle to communicate decisions and solicit input from members of the Eastern Snake Hydrologic Modeling Committee (ESHMC) and other interested parties, and they provided far greater detail of particular aspects of the modeling process than would have been possible in a single final report. Many of the Design Documents were presented first in a draft form, then in revised form following input and discussion, and finally in an “as-built” form describing the actual implementation.

This report is a Design Document for the calibration of the Eastern Snake Plain Aquifer Model Version 2 (ESPAM 2). Its goals are similar to the goals of Design Documents for ESPAM 1.1: To provide full transparency of modeling data, decisions and calibration; and to seek input from representatives of various stakeholders so that the resulting product can be the best possible technical representation of the physical system (given constraints of time, funding and personnel). It is anticipated that for some topics, a single Design Document will serve these purposes prior to issuance of a final report. For other topics, a draft document will be followed by one or more revisions and a final “as-built” Design Document. Superseded Design Documents will be maintained in a “superseded” file folder on the project Website, and successive versions will be maintained in a “current” folder. This will provide additional documentation of project history and the development of ideas.

INTRODUCTION

Evapotranspiration (ET) on irrigated lands is required input for the ESPAM2 model. ET on irrigated land varies depending on how the land is irrigated. Calculation of ET on irrigated lands in ESPAM2 uses a unique ET adjustment factor for sprinkler irrigated land and gravity irrigated land. Each individual entity has its own ET adjustment factors for sprinkler and gravity. The purpose of this design document is to (1) provide the calculations necessary to find the ET adjustment factors for each entity and (2) provide the actual ET adjustment factors found in the entity file, denoted with the file extension “.ent”. An appendix (Appendix A) is provided in this document detailing “how-to” instructions for performing the calculations in ArcMap for the purpose of repeating this procedure for new irrigated lands shapefiles. Appendix B contains the data in the actual entity file (*.ent).

REVIEW OF ESPAM 1.1

ET adjustment factors for sprinkler and gravity irrigated land were used in ESPAM1.1 to ensure the overall volume of ET was unbiased. In ESPAM1.1, global adjustment factors were initially set by professional judgment and later confirmed by comparing traditional ET with an energy-balance method of estimating ET called the Surface Energy Balance Algorithm for Land (SEBAL). All entities used the

factor 1.05 for sprinkler irrigation land and 1.00 for gravity irrigation. For a more in-depth discussion on the traditional ET calculations, refer to the ESPAM1.1 design document DDW-010 (Contor, 2004). Adjustment factor calculations are described in ESPAM1.1 design document DDW-021 (Contor, 2003).

PURPOSE OF ET ADJUSTMENT FACTORS

The purpose of the ET adjustment factors is to adjust the traditional ET calculations for departures that may exist between actual ET and traditionally-calculated ET. Factors that might cause actual ET to be less than traditionally-calculated ET are as follows:

1. Water stress
 - a. Chronic water stress in an entity
 - b. Acute water stress in a single stress period or irrigation season
2. Poor soil quality
3. Insects or disease
4. Low-intensity management
5. Imprecision in underlying data
 - a. GIS and RED (RED = reduction for non-irrigated inclusions) overstate irrigated area
 - b. Entity is in a lower-ET area than the county weather station
 - c. Entity has lower-consumptive crops than county average
6. Imprecision in traditional ET calculations and coefficients

Actual ET may be greater than traditional ET under the following conditions:

1. Changes in conditions from when traditional coefficients were developed:
 - a. More frequent irrigation
 - b. More dense planting
 - c. Greater dry-matter yield due to changes in management, crop varieties, or other production inputs
 - d. Longer growing season
2. Imprecision in underlying data
 - a. GIS and RED understate irrigated area
 - b. Entity is in higher ET area than county weather station
 - c. Entity has higher-consumptive crops than the county average
3. Imprecision in traditional calculations and coefficients
4. Effects on or from non-irrigated lands adjacent to irrigated parcels
 - a. Advection of heat into irrigated lands causes actual ET to be higher than traditional calculation
 - b. Local overspray and runoff support ET in non-irrigated areas.

ET adjustment factors will compensate at least partially for many of these factors. Most of these factors were addressed in the calculations as will be discussed later in this document.

EQUATIONS FOR THE CALCULATION OF ET ADJUSTMENT FACTORS

Equation (1) shows how the adjustment factors will be used in the recharge-tool calculations:

$$ET = [(ADJ_{spr})(Area)(1-RED_{spr})(SPR) + (ADJ_{grav})(Area)(1-RED_{grav})(1-SPR)] * ET_{trad} \quad (1)$$

where ET = evapotranspiration volume on an individual irrigated parcel

ADJ_{spr} = ET adjustment factor for sprinklers

Area = area of parcel

RED_{spr} = reduction for non-irrigated inclusions, sprinklers

SPR = sprinkler fraction for entity

ADJ_{grav} = ET adjustment factor for gravity

RED_{grav} = reduction for non-irrigated inclusions, gravity

ET_{trad} = depth of evapotranspiration on irrigated lands calculated by traditional methods

A summary of irrigated area in each model cell by irrigation entity is provided in data set *.iar. Software MKMOD applies Equation (1) to irrigated area from each entity, with the appropriate ET adjustment factors and sprinkler fraction for the given entity.

The value "Area" in Equation (1) will be the actual GIS parcel area for parcels that are 100% groundwater irrigated or 100% surface-water irrigated. Mixed-source parcels are represented in the data with two identical overlapping GIS polygons. For GIS polygons representing those parcels, the value "Area" will be the GIS area times the source fraction (SRCfrac). Since the groundwater source fraction and surface-water source fraction always sum to 1.00, the area of the groundwater GIS polygons and the area of the surface-water GIS polygon will always sum to the actual GIS area of the representation of the parcel.

Table 1 lists the spatial and temporal extent of the application of each of the right-hand-side values in Equation(1).

Table 1. Spatial and Temporal Extent of Values in Equation (1) for ESPAM2

Value	Spatial Extent - Tool Capability	Spatial Extent As Applied	Temporal Resolution.- Tool Capability	Temporal Resolution As Applied
ADJ_{spr}	Irrigation Entity	Irrigation Entity	Same for all stress periods	Same for all stress periods
Area	Model Cell	Model Cell	Per stress period	Once for each irrigated-lands

Value	Spatial Extent - Tool Capability	Spatial Extent As Applied	Temporal Resolution.- Tool Capability	Temporal Resolution As Applied
				data set (1980, 1986, 1992, 2000, 2002, 2006)
RED _{spr}	Entire study area	Entire study area	Per stress period	Once for each irrigated-lands data set
SPR	Irrigation Entity	Irrigation Entity	Per stress period	5-year increments interpolated to stress periods
ADJ _{grav} ¹	Irrigation Entity	Irrigation Entity	Same for all stress periods	Same for all stress periods
RED _{grav} ²	Entire study area	Entire study area	Per stress period	Once for each irrigated-lands data set
ET _{trad}	Model Cell	County	Per stress period	Per stress period

In earlier discussions with the ESHMC, we had proposed varying the adjustment factors over time. However, as indicated in Table 1, we have not acquired enough data nor made the modifications to the recharge tool that would be needed to allow this.

CONCEPTUAL IDEA

The purpose of an ET adjustment factor is to modify the value of an estimate to more closely approximate the underlying true value. A perfect adjustment factor would operate as shown in Equation (2):

$$\text{True} = (\text{Adjustment Factor}) * (\text{Estimate}) \quad (2)$$

From this equation, we can derive an equation for calculation of an appropriate adjustment factor:

$$\text{Adjustment Factor} = (\text{True}) / (\text{Estimate}) \quad (3)$$

¹ As described below, the calculation of ADJ_{spr} and ADJ_{grav} are not independent, being based on a common underlying calculation. However, the recharge tool would allow independent values if we were able to derive them.

² The tool allows unique RED factors for sprinklers and gravity application methods, but we did not have adequate data to calculate unique values, so for all stress periods RED_{grav} = RED_{spr}.

Obviously if we had enough data to calculate exactly the right adjustment factor for each parcel and stress period, we would not need adjustment factors; we would simply use the true data in all cases. However, Equation (3) still provides a conceptual model for basing adjustment factors on the data we do have.

In order to capture various effects that may vary by entity (such as entity-specific water stress and crop mix), we conceptually performed the Equation (3) calculations on an entity-by-entity basis, using only the actual irrigated polygons. We used year-2000 METRIC estimates to represent the true value. See Figure 1 for the year-2000 METRIC ET raster on the Snake Plain. This calculation essentially captured all within-parcel differences between the estimate and the assumed “true” value and provided a unique preliminary adjustment factor for each entity.

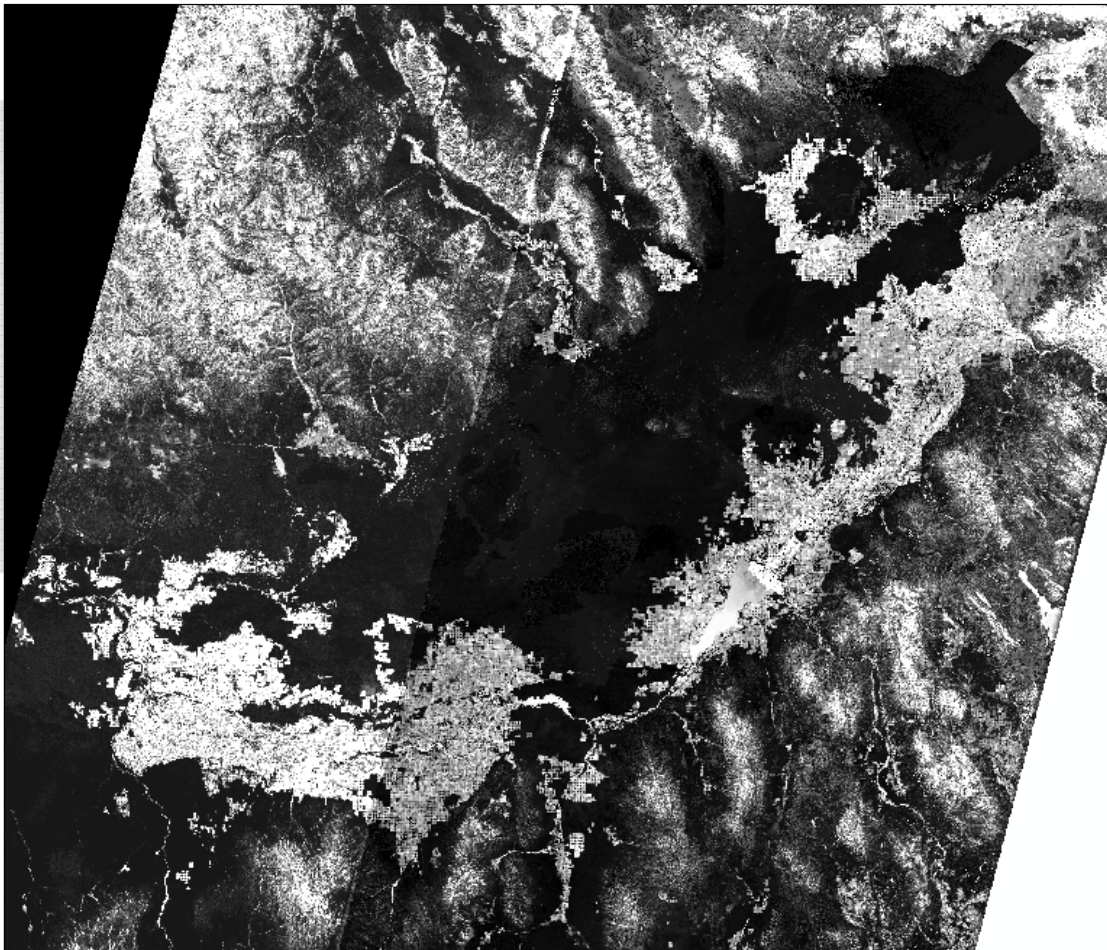


Figure 1. Path 39 and 40 Year-2000 METRIC ET on the Snake Plain. The white areas represent the highest values of ET.

Because the non-irrigated parcels adjacent to irrigated lands are not assigned source fractions and irrigation entities, we could not perform calculations for out-of-parcel effects by entity. Instead, after applying Equation (3) concept to obtain preliminary by-entity factors, we again applied Equation (3) concept to all irrigated lands plus a 70-meter buffer to obtain a global coefficient. Figure 2 shows the

need for the buffer outside as shown by the white (areas of high ET) outside of the irrigated lands. Figure 3 shows the 70-meter buffer applied to the irrigated lands shapefile. In this case the estimate calculation (denominator of right-hand side of Equation (3)) included the preliminary adjustment factor calculated for each entity.

For each entity, the final adjustment factors will be the product of the preliminary by-entity factor and the global coefficient.

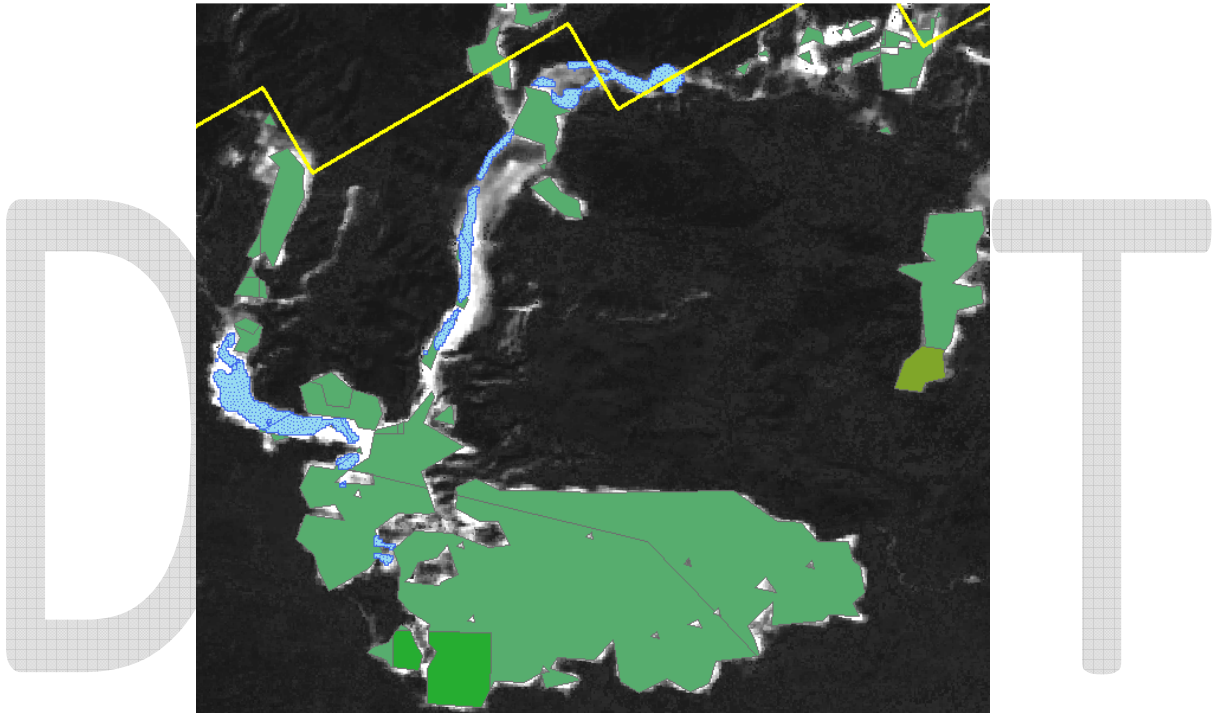


Figure 2. The green areas (different colors of green represent different sources of water) represent the irrigated lands year-2000 data set and the blue areas represent wetlands. The white areas outside of the irrigated lands represent areas of high ET.

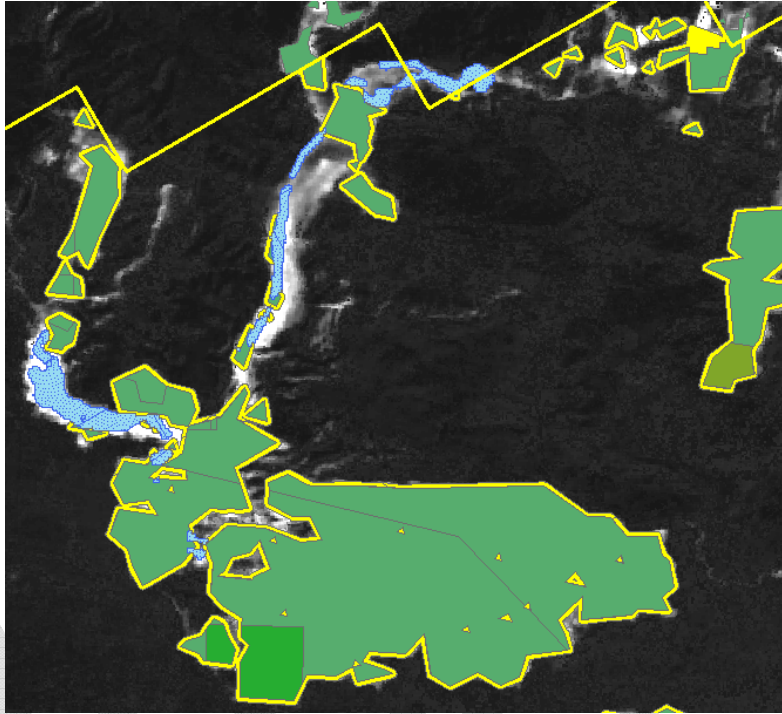


Figure 3. The yellow represents the 70-meter buffer applied to the irrigated lands to encompass the high ET outside of the irrigated lands.

The preliminary by-entity adjustment factors compensate for the following potential sources of difference between actual and traditionally-estimated ET:

1. Water stress
 - a. Chronic stress in individual entities, confounded by any acute stress that may have occurred in year 2000.
2. Poor soil
3. Insects or disease
4. Low-intensity management
5. Imprecision in underlying data
 - a. Entity is in lower-ET area than county weather station
 - b. Entity has lower-consumptive crops than county average
 - c. Entity is in higher ET area than county weather station
 - d. Entity has higher-consumptive crops than county average
6. Imprecision in traditional calculations and coefficients
7. Changes in conditions from when traditional coefficients were developed:
 - a. More frequent irrigation
 - b. More dense planting
 - c. Greater dry-matter yield due to changes in management, crop varieties or other production inputs
 - d. Longer growing season

The global coefficient compensates for the following potential differences:

1. Imprecision in underlying data
 - a. GIS and RED understate irrigated area
 - b. GIS and RED overstate irrigated area
2. Effects on or from non-irrigated lands adjacent to irrigated parcels.
 - a. Advection of heat into irrigated lands causes actual ET to be higher than traditional calculation.
 - b. Local overspray and runoff support ET in non-irrigated areas.

The proposed calculation will not be able to compensate for the following:

1. Acute water shortage in years other than 2000 and 2006.
2. Any confounding effect of acute year-2000 or 2006 stress that does not represent a chronic condition for any particular entity.
3. Any imprecision or bias that may exist in the METRIC data that were used as a proxy for true evapotranspiration.

We have not exhaustively compared the statistics of crop-year 2000 and 2006 with other years, but it generally appears that both years were neither a particularly water-short nor water-abundant year. Therefore we feel that the hazard from the first two non-compensated effects is low. The hazard of imprecision or bias in METRIC data remains, but it has appeared from ESHMC meeting discussions that we and the ESHMC generally feel that METRIC is currently the best available science for representing evapotranspiration on irrigated lands.

SPECIFICS OF THE CALCULATIONS

Calculation of the preliminary adjustment factor “A” for each entity was based on Equation (4):

$$\sum (A - 0.025) (1-SPR) X + \sum (A + 0.025) (SPR) X = \sum X_{METRIC} \quad (4)$$

where A = preliminary adjustment factor for entity

X = traditional ET volume for entity

X_{METRIC} = METRIC ET volume for entity

SPR = sprinkler fraction for entity

All summations are across all polygons for the given entity.

Calculation of traditional ET volume X is performed for each GIS polygon as follows:

$$X = (\text{Area}) (1-RED) (\text{SrcFrac}) (ET_{\text{trad}}) \quad (5)$$

where SrcFrac = Fraction of supply that comes from the water source for the given polygon.

For single-source parcels this value is 1.00. For mixed-source parcels, the source fraction for the groundwater polygon and the source fraction for the surface-water polygon sum to 1.00.

Calculation of METRIC ET volume X_{METRIC} is performed for each GIS polygon as follows:

$$X_{\text{METRIC}} = (\text{Area}) (\text{SrcFrac}) (\text{ET}_{\text{METRIC}}) \quad (6)$$

where $\text{ET}_{\text{METRIC}}$ = GIS average depth of METRIC ET raster across irrigated polygon. Where a polygon intersects both the LANDSAT Path 39 raster and the LANDSAT Path 40 raster, we selected the greater ET depth. This is because the rasters are populated with a value of zero in the margins of the image. Parcels that straddle the boundary of lands actually represented will have low average values because they include regions of artificial zero values from the image margins.

Equation (4) is essentially a specific embodiment of conceptual Equation (2). Equation (4) was solved for value A, yielding Equation (7):

$$A = (\sum X_{\text{metric}}) / (\sum X) + 0.025 - 0.05(\text{SPR}) \quad (7)$$

Equation (7) was processed for each parcel in GIS, as described in the GIS Processing section below. Equation (7) is a specific embodiment of conceptual Equation (3).

The difference between sprinkler and gravity preliminary adjustment factors is accommodated by a simple difference of 0.05 (as represented by the terms “A – 0.025” and “A + 0.025” in Equation (4)). This is because we found that except for center pivots, we were unable to reliably discriminate between gravity and sprinkler irrigation in aerial images. The difference of 0.05 was carried forward from ESPAM1.1 because it was originally obtained from the professional judgment of Dr. Rick Allen and because it was confirmed in ESPAM1.1 with a sample of parcels where the actual application method was confirmed by field inspection (Contor, 2004). The operation of the “C” coefficient described below will slightly modify the difference between final sprinkler and gravity coefficients for each entity, but this is within the precision of our knowledge.

For the global coefficient C, conceptual Equation (2) can be specifically embodied by Equation (8):

$$C [\sum (A - 0.025) (1 - \text{SPR}) X + \sum (A + 0.025) (\text{SPR}) X] + \sum Y = \sum X_{\text{METRIC}} + \sum Y_{\text{METRIC}} \quad (8)$$

where C = Global coefficient

Y = Expected volume of ET on 70-meter buffer around irrigated lands, if no runoff, overspray or other edge effects were present

Y_{METRIC} = METRIC ET volume of ET on 70-meter buffer, including all runoff, overspray and other edge effects.

For each polygon in the 70-meter buffer, the value Y is calculated as:

$$Y = (\text{Area}_{\text{buff}}) (\text{ET}_{\text{NIR-SOIL}}) \quad (9)$$

where $\text{Area}_{\text{buff}}$ = GIS area of individual polygon in buffer

$ET_{NIR-SOIL}$ = ET depth expected for given soil type, if no edge effects were present.

To avoid confounding coefficient C with any differences between METRIC ET on non-irrigated lands and other representations of non-irrigated ET, we obtained the $ET_{NIR-SOIL}$ depths by GIS analysis of the METRIC rasters on a second buffer that extended 200 meters beyond the 70-meter buffer. We felt this buffer was far enough from irrigated parcels to avoid any edge effects from irrigation, but since it was adjacent to the 70-meter buffer, it would give a good representation of the ET that would be expected in the 70-meter buffer if irrigation edge effects were not present. Figure 4 shows the buffer extended 200 meters beyond the 70-meter buffer.

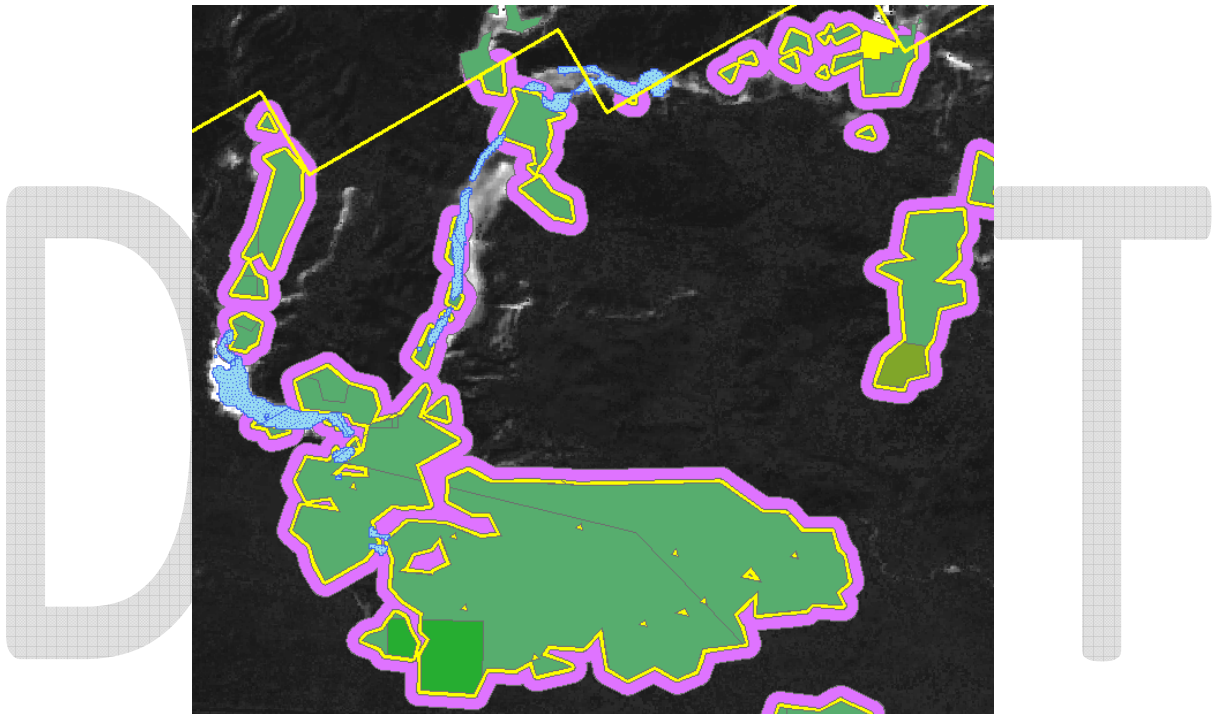


Figure 4. The purple areas show the buffer extended 200 meters beyond the 70-meter buffer around the year-2000 irrigated lands.

The value Y_{METRIC} is:

$$Y_{METRIC} = (Area_{buff}) (ET_{METRIC}) \quad (10)$$

As with ET_{METRIC} on irrigated lands, where both a Path 39 and Path 40 value were present, we used the larger value to represent METRIC ET.

Because wetlands have large ET depths and are represented elsewhere in the model, we removed wetlands from the 70-meter and 200-meter buffers as shown in Figure 4 above. Wetlands had already been removed from the irrigated-lands GIS when those data were created.

To obtain a specific realization of conceptual Equation (3) for calculation of (C), Equation (7) was solved to yield Equation (11):

$$C = (\Sigma X_{metric} + \Sigma Y_{metric} - \Sigma Y) / [(\Sigma(A - 0.025)(1 - SPR)X + \Sigma(A + 0.025)(SPR)X)] \quad (11)$$

For each entity, the final adjustment factors were calculated as follows:

$$ADJ_{spr} = (A + 0.025) C \quad (12)$$

$$ADJ_{grav} = (A - 0.025) C \quad (13)$$

AVAILABLE DATA

METRIC ET values for year-2000 and year-2006 irrigated lands data sets were both available. At the ESHMC meeting in February 2010, values for each entity adjustment factor (sprinkler and gravity) were presented. Members of the ESHMC committee agreed to use an average of the two years. Certain members of the committee were concerned about the difference in adjustment factors for specific ground water and surface water entities and Dr. Rick Allen mentioned that cloud cover may have affected the METRIC ET results. The committee agreed to use an average of the two years when cloud cover was not affecting the satellite images, since cloud cover created the need to use averages when estimating METRIC ET for 2000 or 2006. In March 2010, Ricardo Trezza of IWRRI-Kimberly provided image files (30 m) of the Eastern Snake River Plain which consisted of a clearness index for 2000 and 2006.

The clearness index consists of values between 0 and 1, where a value of 1 means that all images (images of individual months for April through October) were clear of cloud cover and a value of 0 means that all images were cloudy. A value of 0.800 would imply that approximately 80% of the seasonal ET value was based on cloud free imagery and about 20% was based on an estimated value. For 2000 and 2006, an average clearness index was found for each entity. Given the results in clearness between the two years, a value of 0.700 (approximately 5 out of the 7 months for the entire area occupied by the entity were clear) was chosen as the lowest value of clearness accepted in order to use the adjustment factor. If the clearness value was 0.700 or above for both 2000 and 2006, an average value for the adjustment factor was applied. If one of the values between 2000 and 2006 was less than 0.700, the calculated adjustment factors with the clearness value of 0.700 or above was used as the final ET adjustment value. One exception was made for IEGW600; although, this entity has very few acres (less than 10 acres). The clearness index in 2000 was less than 0.700 for IEGW600; however, this entity was not present in the 2006 data; therefore, the ET adjustment factors were based on the year 2000 estimates. Table 2 shows the clearness index values for 2000 and 2006.

Table 2. Clearness index values for each entity for ESPAM2

Entity ID	Yr-2000 Clearness Index (CI)	Yr-2006 Clearness Index (CI)	Yr-2000 Clearness	Yr-2006 Clearness	How was ET Adj Factor Calculated?
IEGW501	0.994	0.889	CLEAR	CLEAR	Average
IEGW502	0.833	0.924	CLEAR	CLEAR	Average
IEGW503	0.863	0.932	CLEAR	CLEAR	Average
IEGW504	0.910	0.924	CLEAR	CLEAR	Average
IEGW505	0.711	0.781	CLEAR	CLEAR	Average
IEGW506	0.786	0.923	CLEAR	CLEAR	Average
IEGW507	0.992	0.929	CLEAR	CLEAR	Average
IEGW508	0.994	0.964	CLEAR	CLEAR	Average
IEGW509	0.937	0.880	CLEAR	CLEAR	Average
IEGW600	0.597	(Not an entity in 2006 irrig lands data)	NOT CLEAR	NA	2000
IESW000	0.682	0.743	NOT CLEAR	CLEAR	2006
IESW001	0.980	1.000	CLEAR	CLEAR	Average
IESW002	0.881	0.958	CLEAR	CLEAR	Average
IESW005	0.821	0.819	CLEAR	CLEAR	Average
IESW008	0.789	0.736	CLEAR	CLEAR	Average
IESW009	0.816	0.892	CLEAR	CLEAR	Average
IESW010	0.994	0.954	CLEAR	CLEAR	Average
IESW011	0.818	0.923	CLEAR	CLEAR	Average
IESW012	0.691	0.753	NOT CLEAR	CLEAR	2006
IESW014	0.853	0.926	CLEAR	CLEAR	Average
IESW015	0.675	0.712	NOT CLEAR	CLEAR	2006

Entity ID	Yr-2000 Clearness Index (CI)	Yr-2006 Clearness Index (CI)	Yr-2000 Clearness	Yr-2006 Clearness	How was ET Adj Factor Calculated?
IESW016	0.696	0.912	NOT CLEAR	CLEAR	2006
IESW018	0.896	0.885	CLEAR	CLEAR	Average
IESW019	0.902	0.911	CLEAR	CLEAR	Average
IESW020	0.797	0.863	CLEAR	CLEAR	Average
IESW022	0.863	0.901	CLEAR	CLEAR	Average
IESW025	0.943	0.841	CLEAR	CLEAR	Average
IESW027	1.000	1.000	CLEAR	CLEAR	Average
IESW028	0.862	0.834	CLEAR	CLEAR	Average
IESW029	0.822	0.929	CLEAR	CLEAR	Average
IESW030	0.867	0.889	CLEAR	CLEAR	Average
IESW032	0.991	0.988	CLEAR	CLEAR	Average
IESW034	0.902	0.954	CLEAR	CLEAR	Average
IESW035	0.802	0.880	CLEAR	CLEAR	Average
IESW036	0.696	0.828	NOT CLEAR	CLEAR	2006
IESW037	0.802	0.911	CLEAR	CLEAR	Average
IESW038	0.692	0.780	NOT CLEAR	CLEAR	2006
IESW039	0.684	0.715	NOT CLEAR	CLEAR	2006
IESW040	0.979	0.887	CLEAR	CLEAR	Average
IESW044	0.713	0.914	CLEAR	CLEAR	Average
IESW051	0.552	0.727	NOT CLEAR	CLEAR	2006
IESW052	0.522	0.805	NOT CLEAR	CLEAR	2006
IESW053	0.788	0.663	CLEAR	NOT CLEAR	2000
IESW055	0.806	0.844	CLEAR	CLEAR	Average
IESW056	0.703	0.833	CLEAR	CLEAR	Average

Entity ID	Yr-2000 Clearness Index (CI)	Yr-2006 Clearness Index (CI)	Yr-2000 Clearness	Yr-2006 Clearness	How was ET Adj Factor Calculated?
IESW057	0.833	0.936	CLEAR	CLEAR	Average
IESW058	0.989	0.969	CLEAR	CLEAR	Average
IESW059	0.936	0.893	CLEAR	CLEAR	Average

CALCULATED ET ADJUSTMENT FACTORS

Table 3 consists of the ET adjustment factors calculated for the individual years (2000 and 2006). These values were used to calculate the average ET adjustment factors for the entity file (*.ent). Some entities are lacking an adjustment factor (indicated as "LOW CI") since the area where the entity lies has a low clearness index (LOW CI). Final values for the sprinkler and gravity adjustment factors are tabulated in Table 3 as well. These values are an average of the values in columns titled "2006 Values" and "2000 Values" in most cases except when the METRIC ET for a certain area (or entity) is affected by cloud cover.

Table 3. ET Adjustment Factors.

Entity ID	2006 Values		2000 Values		Final Values	
	Gravity ADJ factor	Sprinkler ADJ factor	Gravity ADJ factor	Sprinkler ADJ factor	Gravity ADJ factor	Sprinkler ADJ factor
IEGW501	0.980	1.028	1.050	1.072	1.034	1.087
IEGW502	0.636	0.684	0.946	1.210	1.054	1.106
IEGW503	0.877	0.926	0.953	0.978	1.003	1.056
IEGW504	0.994	1.043	0.982	0.919	0.962	1.015
IEGW505	0.817	0.866	0.875	0.882	0.902	0.954
IEGW506	0.749	0.797	0.893	0.989	1.015	1.068
IEGW507	0.812	0.861	0.976	1.091	1.009	1.061
IEGW508	0.745	0.794	0.911	1.030	0.962	1.015
IEGW509	0.836	0.885	0.980	1.075	1.035	1.088
IEGW600	--	--	0.818	0.818	0.737	0.788
IESW000	0.790	0.839	LOW CI	LOW CI	0.847	0.901

Entity ID	2006 Values		2000 Values		Final Values	
	Gravity ADJ factor	Sprinkler ADJ factor	Gravity ADJ factor	Sprinkler ADJ factor	Gravity ADJ factor	Sprinkler ADJ factor
IESW001	0.879	0.927	0.993	1.061	0.896	0.949
IESW002	1.095	1.144	1.075	1.004	1.056	1.108
IESW005	0.933	0.981	0.887	0.795	0.891	0.944
IESW008	0.934	0.983	1.018	1.053	0.868	0.921
IESW009	1.036	1.085	1.096	1.107	1.076	1.128
IESW010	0.960	1.008	1.040	1.074	1.018	1.071
IESW011	0.997	1.045	1.059	1.073	1.039	1.092
IESW012	0.882	1.079	LOW CI	LOW CI	0.883	0.937
IESW014	1.030	1.079	1.052	1.025	1.022	1.075
IESW015	1.067	1.116	LOW CI	LOW CI	1.077	1.130
IESW016	0.867	0.915	LOW CI	LOW CI	0.870	0.924
IESW018	1.187	1.236	1.135	1.036	1.107	1.159
IESW019	1.126	1.175	1.074	0.971	1.050	1.102
IESW020	1.023	1.072	1.075	1.078	1.054	1.107
IESW022	0.984	1.033	1.026	1.021	1.006	1.058
IESW025	0.906	0.955	0.958	0.961	0.946	0.998
IESW027	0.945	0.993	0.977	0.963	0.949	1.002
IESW028	0.986	1.035	1.068	1.101	1.047	1.100
IESW029	1.050	1.098	1.116	1.134	1.090	1.143
IESW030	0.999	1.048	1.017	0.984	0.993	1.045
IESW032	0.906	0.954	1.016	1.080	0.996	1.049
IESW034	1.047	1.096	1.091	1.086	1.068	1.121
IESW035	0.956	1.004	1.002	1.002	0.989	1.041
IESW036	1.074	1.123	LOW CI	LOW CI	1.082	1.136

Entity ID	2006 Values		2000 Values		Final Values	
	Gravity ADJ factor	Sprinkler ADJ factor	Gravity ADJ factor	Sprinkler ADJ factor	Gravity ADJ factor	Sprinkler ADJ factor
IESW037	1.069	1.117	1.181	1.247	1.181	1.234
IESW038	1.019	1.068	LOW CI	LOW CI	1.031	1.085
IESW039	0.927	0.976	LOW CI	LOW CI	0.930	0.984
IESW040	0.889	0.938	0.961	0.986	0.924	0.976
IESW044	1.038	1.087	1.186	1.287	1.164	1.216
IESW051	0.885	0.934	LOW CI	LOW CI	0.872	0.926
IESW052	1.039	1.087	LOW CI	LOW CI	1.051	1.104
IESW053	1.013	1.061	1.013	1.061	0.989	1.040
IESW055	1.120	1.168	1.196	1.224	1.176	1.228
IESW056	0.963	1.011	1.067	1.125	1.046	1.099
IESW057	0.907	0.956	0.941	0.924	0.926	0.978
IESW058	0.956	1.005	1.038	1.071	1.007	1.059
IESW059	0.901	0.950	1.019	1.086	0.999	1.051

DESIGN DECISION

METRIC ET data was available for the years 2000 and 2006. Since these two years were fairly typical water years (not excessively wet or excessively dry), the ET adjustment factors were calculated using these data and the corresponding irrigated lands data. For each year, an ET adjustment factor was calculated for each individual entity. An average between the two years (2000 and 2006) was found for each entity for gravity and sprinkler adjustments. The 2000 and 2006 METRIC ET data were cloudy in certain areas of the Eastern Snake Plain, which resulted in using one year over the other year when choosing an ET adjustment factor. The final ET adjustment factors are found in Table 3 in the “Final Values” column.

CONCLUSIONS

While not every entity in Table 3 above was thoroughly examined, adjustment factors for entities where adjustment factors are expected to be high or low were checked to make sure the calculations seemed appropriate. Several entities had ET adjustment factors that followed expectations:

1. IEGW600 was expected to have low adjustment factors because it is characterized by high pumping lifts.
2. IESW005 was expected to have low adjustment factors because it typically has a water short supply.
3. IESW015 was expected to have high adjustment factors because it consists of a wetland.
4. IESW029 was expected to have high adjustment factors because it contains lots of alfalfa.
5. IESW044 was also expected to have high adjustment factors because it contains lots of alfalfa as well.
6. IESW031 was expected to have low adjustment factors because it mostly consists of potatoes and grains.
7. IESW051 was expected to have low adjustment factors because it has pasture land and is not intensively managed.
8. IESW008 was expected to have lower adjustment factors relative to IESW053 because it has junior priority rights relative to IESW053.
9. IESW039 was expected to have low adjustment factors because it is at a high elevation.
10. IESW040 was expected to have low adjustment factors because it is chronically water short.

One calculated adjustment factor was counter to expectations:

IESW059 was expected to have low adjustment factors because it is typically water short. Its adjustment factors were not particularly high, but neither were they low.

REFERENCES

Contor, Bryce A., 2003. Evapotranspiration Adjustment Factors. Eastern Snake Plain Aquifer Model Enhancement Project Design Document DDW-021.

Contor, Bryce A., 2004. Traditional Evapotranspiration Calculations. Idaho Water Resources Research Institute Technical Report 04-009. Eastern Snake Plain Aquifer Model Enhancement Project Design Document DDW-010.

APPENDIX A

The purpose of this appendix is to explain the steps taken in ArcMap 9.3 and ArcMap 3.2 to calculate the ET Adjustment factors by entity based on the irrigated lands data sets for the years 2000 and 2006. If this same method is used in future model versions, this memo could be used as a “how-to” in order to complete the same steps on the new irrigated lands data sets as data becomes available. Please note that the steps outlined are not the only way to estimate the ET Adjustment factors. This is simply the order of steps used to find the ET Adjustment Factors for the years 2000 and 2006 for ESPAM2.

THE FORMULAS

Using Equation (4), solve for A.

$$\sum (A - 0.025) (1-SPR) X + \sum (A + 0.025) (SPR) X = \sum X_{METRIC} \quad (4)$$

where A = preliminary adjustment factor for entity

X = traditional ET volume for entity

X_{METRIC} = METRIC ET volume for entity

SPR = sprinkler fraction for entity

All summations are across all polygons for the given entity. Solving for A, you get Equation (7):

$$A = (\sum X_{metric}) / (\sum X) + 0.025 - 0.05(SPR) \quad (7)$$

where X_{metric} = (acres)(SRCfrac)(METRIC ET depth)

X = (acres) (1 – RED) (SRC fraction) (Traditional ET depth)

RED = reduction for non-irrigated inclusions

SRCfrac = source fraction for each entity

Equation 8 was used to solve for coefficient C:

$$C = (\sum X_{metric} + \sum Y_{metric} - \sum Y) / [\sum (A-0.025)(1-Spr)X + \sum (A+0.025)(Spr)X], \quad (8)$$

where $\sum Y = \sum (\text{buffer acres})(\text{NIR by soil type})$ and

$\sum Y_{metric} = \sum (\text{buffer acres})(\text{metric depth on buffer polygons})$

Adjustment factors:

Gravity = (A – 0.025) C

Sprinkler = (A+0.025) C

THE SHAPEFILES

The following is a list of the different shapefiles needed to complete the GIS portion of this project:

1. Counties_idtm83.shp (counties map)
2. Espam2_soils_8-26-09.shp (soils coverage map)
3. Active_cells_V2.shp (model cells within the boundary)
4. Irr00_20100629.shp (irrigated lands for 2000)
5. Espam2_wetlands_8-24-09.shp (wetlands map)

OTHER FILES NEEDED

1. Rasters for Path 39 and 40 for the irrigation years 2000 and 2006
2. Espam_RED_09-03-09.csv (Reduction values for non-irrigated inclusions)
3. Crops_joined_ET_20090717_correction.xls (summed April-October for each county in the year 2000 to get the county irrigation ET depth = traditional ET)
Note: We didn't have values for Custer and Elmore so Butte Co. values were used for Custer and Jerome Co. values were used for Elmore.
4. 103297Etc_monthly_out_NIR.xls (non-irrigated recharge depth for Bingham county used for all counties)
5. ESPAM2_spr_pcmt_10_15_10.csv (sprinkler fractions)

NECESSARY VALUES

For the year 2000 and 2006 ET adjustment factors, values for non-irrigated recharge are as follows:

Rock – 0.5093

Thick – 0.7887

Thin – 0.8334

THE STEPS

The first major step involves converting the Path 39 and Path 40 rasters from millimeters to feet. These steps are referring to the 2000 data. The same steps were performed with the 2006 data.

1. Add the raster p39apoc00 and p40apoc00 to ArcMap 9.3.
2. Go to Spatial Analyst, select Raster Calculator.
3. Select the appropriate file (p39apoc00), click the "/" button (be sure you don't put additional spaces in), and divide by 304.8 (there are 304.8 mm in 1 ft).
4. This creates a temporary shapefile. Save as a layer file so that it's permanent.
5. Repeat steps 2-4 for path 40 (p40apoc00).

Once the METRIC ET files previously discussed are created, it is best to intersect the irrigated lands shapefile with active cells, counties, and the soils shapefiles. Next, add a “long” field, name it “unique”, and set it equal to the “FID” field so that the values by row are “0, 1, 2, 3” and so on. Next, add a “double” field called “P39_ft”. Go to Spatial Analyst, select Zonal Statistics. Select your zone dataset as the one with the irrigated lands, select “unique” as your zone field, and select your value raster as path 39 (in feet). Uncheck “Ignore NoData in calculations”, uncheck “Chart Statistic”, and check “Join output table to zone layer.” There isn’t really a need to save the file as something specific since it will be joined to the irrigated lands shapefile. Set the field “P39_ft” equal to the “Mean” value in the joined table. Now the join can be removed. Create another “double” field called “P40_ft” and do the same thing with path 40.

Create a “double” field called “METRIC_ft”. In this column you will want to have the maximum value between the path 39 and path 40 values. Export the attribute table to Microsoft Excel, find the maximum value between path 39 and path 40. In Excel, keep the unique field column and the max field column and import the table as a *.csv file into ArcMap 9.3. Join and relate this field based on the “unique” field to the one with the irrigated lands. Take “METRIC_ft” and set it equal to that max value (call it a different name) in the joined table. Remove the join.

Open the sprinkler fraction *.csv file. There are 2 different values available for the year 2000, so take an average of just those two values and use that as the sprinkler value for the entity. Create a spreadsheet that has just the entity and sprinkler fraction. In the irrigated lands file, add a “double” field for sprinkler fraction. Import the Excel file as a *.csv. Join and relate the irrigated lands file to the sprinkler fractions so that the sprinkler fractions can be added to the appropriate field.

Create a “double” field in the irrigated lands file called RED. This field will be used in the calculation of X.

Create a “double” field called Acres or Net Acres. This field will be needed in the calculation of X and X_{metric} . Select the acre field and then right click to open the Field Calculator. Click “Advanced” then click “Load” and select the “Arc9.3.cal” file in the code calculation folder of the ArcMap folder. Select “OK” and this will calculate the acres in each polygon. If you do not have a file “Arc9.3.cal”, this calculation can be completed by checking (click to check [✓]) the “Advanced” box above the calculation box. Once this box is checked, input the following text into the Pre-Logic VBA Script Code:

```
Dim dblArea as double  
  
Dim pArea as IArea  
  
Set pArea = [shape]  
  
dblArea = pArea.area  
  
dblArea = dblArea*10.7639  
  
dblArea = dblArea/43560
```

In the box below this text space, make the formula equal “dblArea” by inputting this text in the box:

dblArea

This calculation of acres can also be done in ArcMap 3.2. Be sure to have an acres field created. Select the field in the attribute table, go to the “X-Tools” menu, then “Calculated acres...”. The values will be calculated in the default unit (which may be feet, but this can be changed to acres). Using ArcMap 3.2 will prevent having to use VBA Script Code if preferred.

The next step is to import the data into Excel to solve for A by Entity. First, the irrigation file needs to be opened up in ArcMap 3.2 and then the Entity column needs to be summarized. Open the attribute table, click the “Entity” field and click the Summarize button. Summarize by the Field “Acres” and summarize by “Sum”. Save the file to a folder and then click “Add”. Open the created *.dbf folder in Excel. Repeat these steps previously described to get X_{metric} and X.

A suitable buffer distance must be chosen next in order to include the ET outside of the irrigated lands. For the 2000 and 2006 irrigated lands shapefile, the preferred buffer was 70-meters. Find the buffer analysis tool in the toolbox of ArcMap. Select the irrigated lands shapefile as the input and name the output file. Type in the distance of the buffer in the distance box. Once the buffers are created, the next step is to clip the irrigated lands (and buffers) that are outside of the active cells. Once this is done, the new file needs to have the irrigated lands and wetlands “erased” (use Arc 3.2 if unable to do in ArcMap 9.3) from the shapefile. Once this is done, it needs to be intersected with the soils and ET rasters (Path 39 and 40) as was done before. This will allow for the calculation of $\sum Y$ and $\sum Y_{metric}$, which can be done in ArcMap by clicking on the appropriate column, right clicking, and selecting Statistics to get the “Sum”.

Once $\sum Y$ and $\sum Y_{metric}$ are solved, this data can be input into the Excel spreadsheet in preparation for calculation of the ET adjustment factors. Figure A1 on the following page shows an example of how to set up a spreadsheet. The cells that include a value (for example: cells C5, C6) were found by performing calculations in ArcMap or are given values (for example: “Sprinkler Fraction (2000)”). Other cells that include a formula were directly solved for in Excel.

Row	COLUMN A	B	C	D	E	F	G	H	I	J
1	ET Adjust Calculations									
2	70-meter buffer of the irrigated lands									
3	ΣX		=sum of values in COLUMN "E"							
4	ΣX_{metric}		=sum of values in COLUMN "D"							
5	ΣY		320703							
6	ΣY_{metric}		697994							
7	$\Sigma(A+0.025)(Spr)(X)$		=sum of values in COLUMN "G"							
8	$\Sigma(A-0.025)(1-Spr)(X)$		=sum of values in COLUMN "H"							
9	C		=(C4+C6-C5)/(C7+C8)							
10										
11	ENTITY	Net Acres	Sprinkler fraction (2000)	X_{metric}	X	A	(A+0.025) Spr X	(A-0.025) (1-SPR) X	ADJ_{grav}	ADJ_{spr}
12	IEGW501	103809	0.74	152163	140947	=(D12/E12)+(0.025)-(0.05*C12)	=(F12+0.025)*(C12*E12)	=(F12-0.025)*(1-C12)*E12	=(F12-0.025)*\$C\$9	=(F12+0.025)*\$C\$9
13	IEGW502	23572	0.63	15500	14099	=(D13/E13)+(0.025)-(0.05*C13)	=(F13+0.025)*(C13*E13)	=(F13-0.025)*(1-C13)*E13	=(F13-0.025)*\$C\$9	=(F13+0.025)*\$C\$9

Figure A1. Example of a spreadsheet created in Microsoft Excel to solve for the ET Adjustment factors (ADJ_{grav} and ADJ_{spr})

APPENDIX B

This appendix contains the actual values in the entity file (*.ent). The table includes the ET adjustment factors. In the table below, the first column contains the 48 entities. The second column has the water source (GW = ground water source, SW = surface water source). The third and fourth columns contain the ET adjustment factors: the sprinkler adjustment factors are in the third column and the gravity adjustment factors are in the fourth column. The fifth column contains an abbreviated name of the surface water irrigated entity. The remaining values (values below the table) are sprinkler fractions for each stress period and entity. The sprinkler fractions are discussed in the ESPAM2 Design Document DDW-V2-12.

ENTITIES				
48				
IEGW501	GW	1.087	1.034	
IEGW502	GW	1.106	1.054	
IEGW503	GW	1.056	1.003	
IEGW504	GW	1.015	0.962	
IEGW505	GW	0.954	0.902	
IEGW506	GW	1.068	1.015	
IEGW507	GW	1.061	1.009	
IEGW508	GW	1.015	0.962	
IEGW509	GW	1.088	1.035	
IEGW600	GW	0.788	0.737	
IESW000	SW	0.901	0.847	Null
IESW001	SW	0.949	0.896	A&B
IESW002	SW	1.108	1.056	AbSpring
IESW005	SW	0.944	0.891	BigLost
IESW008	SW	0.921	0.868	BlaineCo
IESW009	SW	1.128	1.076	Burgess
IESW010	SW	1.071	1.018	Burley
IESW011	SW	1.092	1.039	ButteMrk
IESW012	SW	0.937	0.883	Canyon
IESW014	SW	1.075	1.022	Blckfoot
IESW015	SW	1.130	1.077	Dewey
IESW016	SW	0.924	0.870	Egin
IESW018	SW	1.159	1.107	Falls
IESW019	SW	1.102	1.050	FortHall
IESW020	SW	1.107	1.054	Harrison
IESW022	SW	1.058	1.006	Idaho
IESW025	SW	0.998	0.946	LitlWood
IESW027	SW	1.002	0.949	Milner
IESW028	SW	1.100	1.047	Minidoka
IESW029	SW	1.143	1.090	MudLake
IESW030	SW	1.045	0.993	NewSwedn
IESW032	SW	1.049	0.996	NrthSide
IESW034	SW	1.121	1.068	Peoples
IESW035	SW	1.041	0.989	Progress
IESW036	SW	1.136	1.082	Liberty
IESW037	SW	1.234	1.181	Reno

IESW038	SW	1.085	1.031	Rexburg
IESW039	SW	0.984	0.930	Chester
IESW040	SW	0.976	0.924	Oakley
IESW044	SW	1.216	1.164	Montview
IESW051	SW	0.926	0.872	Dubois
IESW052	SW	1.104	1.051	Small
IESW053	SW	1.040	0.989	Howe
IESW055	SW	1.228	1.176	Labelle
IESW056	SW	1.099	1.046	Sugrcity
IESW057	SW	0.978	0.926	Blk_Chub
IESW058	SW	1.059	1.007	AmFalls2
IESW059	SW	1.051	0.999	Good_Rch

STRESS PERIOD 1

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 2

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 3

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 4

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 5

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 6

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 7

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 8

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 9

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 10

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 11

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 12

1

0.15 0.2 0.875 0.981 0.983 0.77 0.58 0.53 0.64 1 0.333 0.15 0.825 0.7 0.54 0.015 0.01 0.44 0.867 0.21 0 0.05 1 1
0.05 0.25 0.21 0 0.13 0.035 0.29 0 0.54 0.02 0.02 0.145 0.251 0.27 0.4 0.02 0 0 0.53 0 0.451 0.648 0.147 0.187

STRESS PERIOD 13

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 14

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 15

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 16

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 17

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 18

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 19

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 20

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 21

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 22

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 23

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 24

1

0.202 0.215 0.88 0.981 0.984 0.786 0.619 0.573 0.666 1 0.353 0.23 0.836 0.716 0.555 0.033 0.08 0.454 0.868 0.248
0 0.093 1 1 0.066 0.317 0.264 0 0.174 0.052 0.339 0 0.561 0.038 0.034 0.187 0.269 0.283 0.464 0.03 0 0 0.545
0.004 0.46 0.662 0.156 0.199

STRESS PERIOD 25

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 26

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 27

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 28

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 29

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 30

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 31

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 32

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 33

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 34

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 35

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 36

1

0.254 0.23 0.885 0.982 0.986 0.803 0.657 0.617 0.692 1 0.373 0.311 0.847 0.731 0.57 0.05 0.15 0.467 0.87 0.286 0
0.136 1 1 0.082 0.384 0.318 0 0.219 0.068 0.387 0 0.582 0.056 0.049 0.229 0.286 0.296 0.528 0.041 0 0 0.56 0.007
0.468 0.676 0.165 0.211

STRESS PERIOD 37

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 38

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 39

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 40

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 41

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 42

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 43

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 44

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 45

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 46

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 47

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 48

1

0.307 0.246 0.89 0.983 0.987 0.818 0.692 0.661 0.715 1 0.399 0.353 0.858 0.747 0.586 0.066 0.24 0.48 0.871 0.319
0.002 0.258 1 1 0.104 0.437 0.374 0.046 0.285 0.085 0.446 0.12 0.603 0.083 0.063 0.267 0.279 0.291 0.582 0.052 0
0 0.57 0.011 0.476 0.694 0.175 0.223

STRESS PERIOD 49

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 50

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 51

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 52

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 53

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 54

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 55

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 56

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 57

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 58

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 59

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 60

1

0.36 0.262 0.895 0.983 0.988 0.834 0.726 0.706 0.739 1 0.424 0.394 0.868 0.763 0.602 0.082 0.33 0.492 0.872
0.352 0.004 0.381 1 1 0.125 0.49 0.431 0.092 0.351 0.101 0.504 0.24 0.625 0.11 0.077 0.305 0.272 0.285 0.637
0.064 0 0 0.58 0.015 0.484 0.712 0.185 0.236

STRESS PERIOD 61

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 62

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 63

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 64

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 65

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 66

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 67

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 68

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 69

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 70

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 71

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 72

1

0.414 0.278 0.9 0.984 0.99 0.849 0.761 0.751 0.763 1 0.449 0.436 0.879 0.779 0.618 0.098 0.42 0.505 0.873 0.385
0.006 0.504 1 1 0.147 0.543 0.487 0.138 0.417 0.117 0.563 0.36 0.647 0.136 0.092 0.344 0.265 0.28 0.691 0.076 0 0
0.59 0.018 0.491 0.73 0.195 0.249

STRESS PERIOD 73

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 74

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 75

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 76

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 77

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 78

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 79

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 80

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 81

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 82

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 83

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 84

1

0.467 0.294 0.905 0.985 0.991 0.865 0.795 0.795 0.786 1 0.474 0.478 0.889 0.794 0.634 0.114 0.51 0.517 0.874
0.417 0.008 0.627 1 1 0.168 0.597 0.544 0.184 0.484 0.134 0.621 0.48 0.668 0.163 0.106 0.382 0.258 0.275 0.746
0.088 0 0 0.6 0.022 0.499 0.749 0.205 0.262

STRESS PERIOD 85

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 86

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 87

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 88

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 89

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 90

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 91

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 92

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 93

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 94

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 95

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 96

1

0.52 0.31 0.91 0.986 0.992 0.88 0.83 0.84 0.81 1 0.499 0.52 0.9 0.81 0.65 0.13 0.6 0.53 0.875 0.45 0.01 0.75 1 1
0.19 0.65 0.6 0.23 0.55 0.15 0.68 0.6 0.69 0.19 0.12 0.42 0.251 0.27 0.8 0.1 0 0 0.61 0.026 0.507 0.767 0.215 0.274

STRESS PERIOD 97

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 98

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 99

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 100

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 101

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 102

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 103

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 104

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 105

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 106

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 107

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 108

1

0.553 0.326 0.915 0.986 0.993 0.887 0.845 0.86 0.821 1 0.511 0.551 0.904 0.824 0.666 0.141 0.627 0.536 0.875
0.469 0.011 0.762 1 1 0.197 0.673 0.62 0.245 0.583 0.168 0.71 0.63 0.7 0.208 0.126 0.458 0.244 0.265 0.824 0.112
0 0 0.614 0.029 0.512 0.776 0.22 0.28

STRESS PERIOD 109

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 110

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 111

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 112

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 113

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 114

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 115

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 116

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 117

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 118

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 119

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 120

1

0.586 0.341 0.92 0.987 0.994 0.895 0.86 0.88 0.832 1 0.522 0.583 0.907 0.838 0.681 0.152 0.653 0.542 0.876 0.488
0.012 0.773 1 1 0.204 0.695 0.64 0.261 0.616 0.186 0.739 0.66 0.71 0.225 0.132 0.495 0.237 0.259 0.849 0.124 0 0
0.618 0.032 0.518 0.785 0.225 0.286

STRESS PERIOD 121

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 122

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 123

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 124

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 125

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 126

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 127

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 128

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 129

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 130

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 131

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 132

1

0.62 0.357 0.924 0.987 0.995 0.902 0.874 0.9 0.842 1 0.533 0.614 0.911 0.852 0.697 0.163 0.68 0.548 0.877 0.507
0.013 0.785 1 1 0.211 0.718 0.66 0.276 0.648 0.204 0.769 0.69 0.721 0.243 0.137 0.533 0.23 0.254 0.873 0.137 0 0
0.622 0.035 0.524 0.795 0.229 0.291

STRESS PERIOD 133

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 134

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 135

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 136

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 137

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 138

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 139

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 140

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 141

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 142

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 143

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 144

1

0.653 0.373 0.929 0.988 0.996 0.909 0.889 0.92 0.853 1 0.544 0.645 0.915 0.866 0.713 0.174 0.707 0.554 0.878
0.526 0.014 0.797 1 1 0.219 0.74 0.68 0.292 0.681 0.222 0.799 0.72 0.731 0.26 0.143 0.57 0.223 0.249 0.897 0.149
0 0 0.626 0.038 0.53 0.804 0.234 0.297

STRESS PERIOD 145

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 146

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 147

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 148

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 149

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 150

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 151

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 152

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 153

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 154

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 155

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 156

1

0.686 0.389 0.934 0.989 0.997 0.917 0.904 0.94 0.864 1 0.555 0.676 0.919 0.88 0.729 0.185 0.733 0.56 0.879 0.545
0.015 0.808 1 1 0.226 0.763 0.7 0.307 0.714 0.24 0.828 0.75 0.741 0.278 0.149 0.608 0.216 0.243 0.921 0.161 0 0
0.63 0.041 0.536 0.813 0.239 0.303

STRESS PERIOD 157

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 158

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 159

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 160

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 161

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 162

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 163

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 164

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 165

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 166

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 167

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 168

1

0.691 0.411 0.939 0.989 0.997 0.922 0.907 0.944 0.867 1 0.566 0.683 0.921 0.891 0.743 0.192 0.757 0.566 0.883
0.564 0.017 0.819 1 1 0.233 0.78 0.72 0.318 0.731 0.256 0.847 0.768 0.753 0.294 0.155 0.686 0.223 0.249 0.937
0.189 0.008 0.008 0.633 0.045 0.543 0.813 0.244 0.309

STRESS PERIOD 169

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 170

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 171

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 172

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 173

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 174

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 175

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 176

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 177

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 178

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 179

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 180

1

0.696 0.433 0.944 0.99 0.998 0.928 0.91 0.949 0.87 1 0.577 0.69 0.923 0.902 0.757 0.199 0.78 0.572 0.886 0.583
0.019 0.829 1 1 0.239 0.798 0.74 0.328 0.748 0.272 0.866 0.786 0.765 0.311 0.161 0.765 0.23 0.254 0.953 0.217
0.016 0.016 0.636 0.048 0.55 0.813 0.248 0.314

STRESS PERIOD 181

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 182

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 183

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 184

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 185

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 186

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 187

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 188

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 189

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 190

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 191

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 192

1

0.7 0.455 0.95 0.991 0.998 0.934 0.914 0.954 0.874 1 0.588 0.697 0.925 0.912 0.771 0.206 0.803 0.578 0.89 0.602
0.021 0.839 1 1 0.246 0.815 0.76 0.339 0.766 0.288 0.884 0.804 0.776 0.327 0.168 0.843 0.237 0.259 0.969 0.244
0.024 0.024 0.639 0.052 0.557 0.813 0.253 0.32

STRESS PERIOD 193

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 194

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 195

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 196

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 197

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 198

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 199

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 200

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 201

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 202

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 203

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 204

1

0.705 0.478 0.955 0.991 0.999 0.939 0.917 0.958 0.877 1 0.599 0.703 0.928 0.923 0.786 0.213 0.827 0.584 0.894
0.621 0.023 0.85 1 1 0.253 0.833 0.78 0.349 0.783 0.304 0.903 0.822 0.788 0.344 0.174 0.922 0.244 0.265 0.984
0.272 0.032 0.032 0.642 0.056 0.564 0.813 0.258 0.326

STRESS PERIOD 205

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 206

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 207

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 208

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 209

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 210

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 211

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 212

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 213

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 214

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 215

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 216

1

0.71 0.5 0.96 0.992 0.999 0.945 0.92 0.963 0.88 1 0.61 0.71 0.93 0.934 0.8 0.22 0.85 0.59 0.897 0.64 0.025 0.86 1 1
0.26 0.85 0.8 0.36 0.8 0.32 0.923 0.84 0.8 0.36 0.18 1 0.251 0.27 1 0.3 0.04 0.04 0.645 0.059 0.571 0.813 0.263
0.333

STRESS PERIOD 217

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 218

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 219

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 220

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 221

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 222

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 223

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 224

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 225

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 226

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 227

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 228

1

0.713 0.517 0.965 0.993 0.999 0.95 0.923 0.965 0.883 1 0.618 0.713 0.932 0.946 0.813 0.23 0.87 0.597 0.897 0.66
0.027 0.87 1 1 0.267 0.867 0.82 0.367 0.813 0.353 0.937 0.86 0.81 0.377 0.185 1 0.251 0.27 1 0.323 0.05 0.05 0.65
0.064 0.575 0.813 0.267 0.338

STRESS PERIOD 229

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 230

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 231

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 232

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 233

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 234

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 235

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 236

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 237

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 238

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 239

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 240

1

0.717 0.533 0.97 0.993 1 0.955 0.927 0.968 0.887 1 0.626 0.717 0.934 0.958 0.827 0.24 0.89 0.603 0.897 0.68
0.028 0.88 1 1 0.273 0.883 0.84 0.373 0.827 0.387 0.951 0.88 0.82 0.393 0.19 1 0.251 0.27 1 0.347 0.06 0.06 0.655
0.068 0.58 0.813 0.271 0.343

STRESS PERIOD 241

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 242

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 243

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 244

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 245

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 246

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 247

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 248

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 249

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 250

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 251

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 252

1

0.72 0.55 0.975 0.994 1 0.96 0.93 0.97 0.89 1 0.634 0.72 0.936 0.97 0.84 0.25 0.91 0.61 0.897 0.7 0.03 0.89 1 1 0.28
0.9 0.86 0.38 0.84 0.42 0.966 0.9 0.83 0.41 0.195 1 0.251 0.27 1 0.37 0.07 0.07 0.66 0.072 0.584 0.813 0.276 0.349

STRESS PERIOD 253

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 254

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 255

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 256

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 257

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 258

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 259

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 260

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 261

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 262

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 263

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 264

1

0.723 0.567 0.98 0.995 1 0.965 0.933 0.972 0.893 1 0.642 0.723 0.938 0.982 0.853 0.26 0.93 0.617 0.897 0.72
0.032 0.9 1 1 0.287 0.917 0.88 0.387 0.853 0.453 0.98 0.92 0.84 0.427 0.2 1 0.251 0.27 1 0.393 0.08 0.08 0.665
0.077 0.589 0.813 0.28 0.354

STRESS PERIOD 265

1

0.725 0.573 0.982 0.995 1 0.967 0.935 0.973 0.895 1 0.648 0.725 0.94 0.989 0.86 0.265 0.944 0.619 0.899 0.734
0.032 0.905 1 1 0.289 0.928 0.894 0.389 0.86 0.469 0.985 0.934 0.845 0.433 0.202 1 0.251 0.27 1 0.396 0.085 0.085
0.667 0.078 0.593 0.813 0.284 0.358

STRESS PERIOD 266

1

0.725 0.573 0.982 0.995 1 0.967 0.935 0.973 0.895 1 0.648 0.725 0.94 0.989 0.86 0.265 0.944 0.619 0.899 0.734
0.032 0.905 1 1 0.289 0.928 0.894 0.389 0.86 0.469 0.985 0.934 0.845 0.433 0.202 1 0.251 0.27 1 0.396 0.085 0.085
0.667 0.078 0.593 0.813 0.284 0.358

STRESS PERIOD 267

1

0.725 0.573 0.982 0.995 1 0.967 0.935 0.973 0.895 1 0.648 0.725 0.94 0.989 0.86 0.265 0.944 0.619 0.899 0.734
0.032 0.905 1 1 0.289 0.928 0.894 0.389 0.86 0.469 0.985 0.934 0.845 0.433 0.202 1 0.251 0.27 1 0.396 0.085 0.085
0.667 0.078 0.593 0.813 0.284 0.358

STRESS PERIOD 268

1

0.725 0.573 0.982 0.995 1 0.967 0.935 0.973 0.895 1 0.648 0.725 0.94 0.989 0.86 0.265 0.944 0.619 0.899 0.734
0.032 0.905 1 1 0.289 0.928 0.894 0.389 0.86 0.469 0.985 0.934 0.845 0.433 0.202 1 0.251 0.27 1 0.396 0.085 0.085
0.667 0.078 0.593 0.813 0.284 0.358

STRESS PERIOD 269

1

0.725 0.573 0.982 0.995 1 0.967 0.935 0.973 0.895 1 0.648 0.725 0.94 0.989 0.86 0.265 0.944 0.619 0.899 0.734
0.032 0.905 1 1 0.289 0.928 0.894 0.389 0.86 0.469 0.985 0.934 0.845 0.433 0.202 1 0.251 0.27 1 0.396 0.085 0.085
0.667 0.078 0.593 0.813 0.284 0.358

STRESS PERIOD 270

1

0.725 0.573 0.982 0.995 1 0.967 0.935 0.973 0.895 1 0.648 0.725 0.94 0.989 0.86 0.265 0.944 0.619 0.899 0.734
0.032 0.905 1 1 0.289 0.928 0.894 0.389 0.86 0.469 0.985 0.934 0.845 0.433 0.202 1 0.251 0.27 1 0.396 0.085 0.085
0.667 0.078 0.593 0.813 0.284 0.358

STRESS PERIOD 271

1

0.727 0.581 0.985 0.996 1 0.97 0.937 0.974 0.897 1 0.652 0.727 0.941 0.995 0.866 0.269 0.953 0.622 0.9 0.743
0.033 0.909 1 1 0.292 0.936 0.903 0.392 0.866 0.485 0.992 0.943 0.849 0.441 0.205 1 0.251 0.27 1 0.407 0.089
0.089 0.67 0.08 0.595 0.813 0.286 0.361

STRESS PERIOD 272

1

0.727 0.581 0.985 0.996 1 0.97 0.937 0.974 0.897 1 0.652 0.727 0.941 0.995 0.866 0.269 0.953 0.622 0.9 0.743
0.033 0.909 1 1 0.292 0.936 0.903 0.392 0.866 0.485 0.992 0.943 0.849 0.441 0.205 1 0.251 0.27 1 0.407 0.089
0.089 0.67 0.08 0.595 0.813 0.286 0.361

STRESS PERIOD 273

1

0.727 0.581 0.985 0.996 1 0.97 0.937 0.974 0.897 1 0.652 0.727 0.941 0.995 0.866 0.269 0.953 0.622 0.9 0.743
0.033 0.909 1 1 0.292 0.936 0.903 0.392 0.866 0.485 0.992 0.943 0.849 0.441 0.205 1 0.251 0.27 1 0.407 0.089
0.089 0.67 0.08 0.595 0.813 0.286 0.361

STRESS PERIOD 274

1

0.727 0.581 0.985 0.996 1 0.97 0.937 0.974 0.897 1 0.652 0.727 0.941 0.995 0.866 0.269 0.953 0.622 0.9 0.743
0.033 0.909 1 1 0.292 0.936 0.903 0.392 0.866 0.485 0.992 0.943 0.849 0.441 0.205 1 0.251 0.27 1 0.407 0.089
0.089 0.67 0.08 0.595 0.813 0.286 0.361

STRESS PERIOD 275

1

0.727 0.581 0.985 0.996 1 0.97 0.937 0.974 0.897 1 0.652 0.727 0.941 0.995 0.866 0.269 0.953 0.622 0.9 0.743
0.033 0.909 1 1 0.292 0.936 0.903 0.392 0.866 0.485 0.992 0.943 0.849 0.441 0.205 1 0.251 0.27 1 0.407 0.089
0.089 0.67 0.08 0.595 0.813 0.286 0.361

STRESS PERIOD 276

1

0.727 0.581 0.985 0.996 1 0.97 0.937 0.974 0.897 1 0.652 0.727 0.941 0.995 0.866 0.269 0.953 0.622 0.9 0.743
0.033 0.909 1 1 0.292 0.936 0.903 0.392 0.866 0.485 0.992 0.943 0.849 0.441 0.205 1 0.251 0.27 1 0.407 0.089
0.089 0.67 0.08 0.595 0.813 0.286 0.361

STRESS PERIOD 277

1

0.728 0.589 0.987 0.996 1 0.972 0.939 0.975 0.899 1 0.656 0.729 0.942 1 0.873 0.274 0.963 0.626 0.901 0.753
0.033 0.914 1 1 0.296 0.944 0.913 0.396 0.873 0.501 0.999 0.953 0.854 0.449 0.207 1 0.251 0.27 1 0.418 0.094
0.094 0.672 0.082 0.597 0.813 0.288 0.364

STRESS PERIOD 278

1

0.728 0.589 0.987 0.996 1 0.972 0.939 0.975 0.899 1 0.656 0.729 0.942 1 0.873 0.274 0.963 0.626 0.901 0.753
0.033 0.914 1 1 0.296 0.944 0.913 0.396 0.873 0.501 0.999 0.953 0.854 0.449 0.207 1 0.251 0.27 1 0.418 0.094
0.094 0.672 0.082 0.597 0.813 0.288 0.364

STRESS PERIOD 279

1

0.728 0.589 0.987 0.996 1 0.972 0.939 0.975 0.899 1 0.656 0.729 0.942 1 0.873 0.274 0.963 0.626 0.901 0.753
0.033 0.914 1 1 0.296 0.944 0.913 0.396 0.873 0.501 0.999 0.953 0.854 0.449 0.207 1 0.251 0.27 1 0.418 0.094
0.094 0.672 0.082 0.597 0.813 0.288 0.364

STRESS PERIOD 280

1

0.728 0.589 0.987 0.996 1 0.972 0.939 0.975 0.899 1 0.656 0.729 0.942 1 0.873 0.274 0.963 0.626 0.901 0.753
0.033 0.914 1 1 0.296 0.944 0.913 0.396 0.873 0.501 0.999 0.953 0.854 0.449 0.207 1 0.251 0.27 1 0.418 0.094
0.094 0.672 0.082 0.597 0.813 0.288 0.364

STRESS PERIOD 281

1

0.728 0.589 0.987 0.996 1 0.972 0.939 0.975 0.899 1 0.656 0.729 0.942 1 0.873 0.274 0.963 0.626 0.901 0.753
0.033 0.914 1 1 0.296 0.944 0.913 0.396 0.873 0.501 0.999 0.953 0.854 0.449 0.207 1 0.251 0.27 1 0.418 0.094
0.094 0.672 0.082 0.597 0.813 0.288 0.364

STRESS PERIOD 282

1

0.728 0.589 0.987 0.996 1 0.972 0.939 0.975 0.899 1 0.656 0.729 0.942 1 0.873 0.274 0.963 0.626 0.901 0.753
0.033 0.914 1 1 0.296 0.944 0.913 0.396 0.873 0.501 0.999 0.953 0.854 0.449 0.207 1 0.251 0.27 1 0.418 0.094
0.094 0.672 0.082 0.597 0.813 0.288 0.364

STRESS PERIOD 283

1

0.73 0.597 0.989 0.996 1 0.974 0.94 0.976 0.9 1 0.66 0.73 0.943 1 0.879 0.279 0.973 0.629 0.902 0.763 0.034 0.919
1 1 0.299 0.952 0.923 0.399 0.879 0.517 1 0.963 0.859 0.457 0.209 1 0.251 0.27 1 0.429 0.099 0.099 0.674 0.085
0.599 0.813 0.29 0.366

STRESS PERIOD 284

1

0.73 0.597 0.989 0.996 1 0.974 0.94 0.976 0.9 1 0.66 0.73 0.943 1 0.879 0.279 0.973 0.629 0.902 0.763 0.034 0.919
1 1 0.299 0.952 0.923 0.399 0.879 0.517 1 0.963 0.859 0.457 0.209 1 0.251 0.27 1 0.429 0.099 0.099 0.674 0.085
0.599 0.813 0.29 0.366

STRESS PERIOD 285

1

0.73 0.597 0.989 0.996 1 0.974 0.94 0.976 0.9 1 0.66 0.73 0.943 1 0.879 0.279 0.973 0.629 0.902 0.763 0.034 0.919
1 1 0.299 0.952 0.923 0.399 0.879 0.517 1 0.963 0.859 0.457 0.209 1 0.251 0.27 1 0.429 0.099 0.099 0.674 0.085
0.599 0.813 0.29 0.366

STRESS PERIOD 286

1

0.73 0.597 0.989 0.996 1 0.974 0.94 0.976 0.9 1 0.66 0.73 0.943 1 0.879 0.279 0.973 0.629 0.902 0.763 0.034 0.919
1 1 0.299 0.952 0.923 0.399 0.879 0.517 1 0.963 0.859 0.457 0.209 1 0.251 0.27 1 0.429 0.099 0.099 0.674 0.085
0.599 0.813 0.29 0.366

STRESS PERIOD 287

1

0.73 0.597 0.989 0.996 1 0.974 0.94 0.976 0.9 1 0.66 0.73 0.943 1 0.879 0.279 0.973 0.629 0.902 0.763 0.034 0.919
1 1 0.299 0.952 0.923 0.399 0.879 0.517 1 0.963 0.859 0.457 0.209 1 0.251 0.27 1 0.429 0.099 0.099 0.674 0.085
0.599 0.813 0.29 0.366

STRESS PERIOD 288

1

0.73 0.597 0.989 0.996 1 0.974 0.94 0.976 0.9 1 0.66 0.73 0.943 1 0.879 0.279 0.973 0.629 0.902 0.763 0.034 0.919
1 1 0.299 0.952 0.923 0.399 0.879 0.517 1 0.963 0.859 0.457 0.209 1 0.251 0.27 1 0.429 0.099 0.099 0.674 0.085
0.599 0.813 0.29 0.366

STRESS PERIOD 289

1

0.731 0.605 0.992 0.997 1 0.977 0.942 0.978 0.902 1 0.664 0.732 0.944 1 0.886 0.284 0.982 0.632 0.903 0.772
0.035 0.924 1 1 0.302 0.961 0.932 0.402 0.886 0.533 1 0.972 0.864 0.465 0.212 1 0.251 0.27 1 0.44 0.104 0.104
0.677 0.087 0.601 0.813 0.292 0.369

STRESS PERIOD 290

1

0.731 0.605 0.992 0.997 1 0.977 0.942 0.978 0.902 1 0.664 0.732 0.944 1 0.886 0.284 0.982 0.632 0.903 0.772
0.035 0.924 1 1 0.302 0.961 0.932 0.402 0.886 0.533 1 0.972 0.864 0.465 0.212 1 0.251 0.27 1 0.44 0.104 0.104
0.677 0.087 0.601 0.813 0.292 0.369

STRESS PERIOD 291

1

0.731 0.605 0.992 0.997 1 0.977 0.942 0.978 0.902 1 0.664 0.732 0.944 1 0.886 0.284 0.982 0.632 0.903 0.772
0.035 0.924 1 1 0.302 0.961 0.932 0.402 0.886 0.533 1 0.972 0.864 0.465 0.212 1 0.251 0.27 1 0.44 0.104 0.104
0.677 0.087 0.601 0.813 0.292 0.369

STRESS PERIOD 292

1

0.731 0.605 0.992 0.997 1 0.977 0.942 0.978 0.902 1 0.664 0.732 0.944 1 0.886 0.284 0.982 0.632 0.903 0.772
0.035 0.924 1 1 0.302 0.961 0.932 0.402 0.886 0.533 1 0.972 0.864 0.465 0.212 1 0.251 0.27 1 0.44 0.104 0.104
0.677 0.087 0.601 0.813 0.292 0.369

STRESS PERIOD 293

1

0.731 0.605 0.992 0.997 1 0.977 0.942 0.978 0.902 1 0.664 0.732 0.944 1 0.886 0.284 0.982 0.632 0.903 0.772
0.035 0.924 1 1 0.302 0.961 0.932 0.402 0.886 0.533 1 0.972 0.864 0.465 0.212 1 0.251 0.27 1 0.44 0.104 0.104
0.677 0.087 0.601 0.813 0.292 0.369

STRESS PERIOD 294

1

0.731 0.605 0.992 0.997 1 0.977 0.942 0.978 0.902 1 0.664 0.732 0.944 1 0.886 0.284 0.982 0.632 0.903 0.772
0.035 0.924 1 1 0.302 0.961 0.932 0.402 0.886 0.533 1 0.972 0.864 0.465 0.212 1 0.251 0.27 1 0.44 0.104 0.104
0.677 0.087 0.601 0.813 0.292 0.369

STRESS PERIOD 295

1

0.733 0.613 0.994 0.997 1 0.979 0.943 0.979 0.903 1 0.668 0.733 0.945 1 0.892 0.289 0.992 0.635 0.903 0.782
0.036 0.929 1 1 0.305 0.969 0.942 0.405 0.892 0.549 1 0.982 0.869 0.473 0.214 1 0.251 0.27 1 0.451 0.109 0.109
0.679 0.089 0.604 0.813 0.294 0.372

STRESS PERIOD 296

1

0.733 0.613 0.994 0.997 1 0.979 0.943 0.979 0.903 1 0.668 0.733 0.945 1 0.892 0.289 0.992 0.635 0.903 0.782
0.036 0.929 1 1 0.305 0.969 0.942 0.405 0.892 0.549 1 0.982 0.869 0.473 0.214 1 0.251 0.27 1 0.451 0.109 0.109
0.679 0.089 0.604 0.813 0.294 0.372

STRESS PERIOD 297

1

0.733 0.613 0.994 0.997 1 0.979 0.943 0.979 0.903 1 0.668 0.733 0.945 1 0.892 0.289 0.992 0.635 0.903 0.782
0.036 0.929 1 1 0.305 0.969 0.942 0.405 0.892 0.549 1 0.982 0.869 0.473 0.214 1 0.251 0.27 1 0.451 0.109 0.109
0.679 0.089 0.604 0.813 0.294 0.372

STRESS PERIOD 298

1

0.733 0.613 0.994 0.997 1 0.979 0.943 0.979 0.903 1 0.668 0.733 0.945 1 0.892 0.289 0.992 0.635 0.903 0.782
0.036 0.929 1 1 0.305 0.969 0.942 0.405 0.892 0.549 1 0.982 0.869 0.473 0.214 1 0.251 0.27 1 0.451 0.109 0.109
0.679 0.089 0.604 0.813 0.294 0.372

STRESS PERIOD 299

1

0.733 0.613 0.994 0.997 1 0.979 0.943 0.979 0.903 1 0.668 0.733 0.945 1 0.892 0.289 0.992 0.635 0.903 0.782
0.036 0.929 1 1 0.305 0.969 0.942 0.405 0.892 0.549 1 0.982 0.869 0.473 0.214 1 0.251 0.27 1 0.451 0.109 0.109
0.679 0.089 0.604 0.813 0.294 0.372

STRESS PERIOD 300

1

0.733 0.613 0.994 0.997 1 0.979 0.943 0.979 0.903 1 0.668 0.733 0.945 1 0.892 0.289 0.992 0.635 0.903 0.782
0.036 0.929 1 1 0.305 0.969 0.942 0.405 0.892 0.549 1 0.982 0.869 0.473 0.214 1 0.251 0.27 1 0.451 0.109 0.109
0.679 0.089 0.604 0.813 0.294 0.372

STRESS PERIOD 301

1

0.735 0.621 0.997 0.997 1 0.982 0.945 0.98 0.905 1 0.672 0.735 0.946 1 0.898 0.293 1 0.638 0.904 0.792 0.037
0.933 1 1 0.308 0.977 0.952 0.408 0.898 0.565 1 0.992 0.873 0.481 0.217 1 0.251 0.27 1 0.462 0.113 0.113 0.682
0.091 0.606 0.813 0.296 0.374

STRESS PERIOD 302

1

0.735 0.621 0.997 0.997 1 0.982 0.945 0.98 0.905 1 0.672 0.735 0.946 1 0.898 0.293 1 0.638 0.904 0.792 0.037
0.933 1 1 0.308 0.977 0.952 0.408 0.898 0.565 1 0.992 0.873 0.481 0.217 1 0.251 0.27 1 0.462 0.113 0.113 0.682
0.091 0.606 0.813 0.296 0.374

STRESS PERIOD 303

1

0.735 0.621 0.997 0.997 1 0.982 0.945 0.98 0.905 1 0.672 0.735 0.946 1 0.898 0.293 1 0.638 0.904 0.792 0.037
0.933 1 1 0.308 0.977 0.952 0.408 0.898 0.565 1 0.992 0.873 0.481 0.217 1 0.251 0.27 1 0.462 0.113 0.113 0.682
0.091 0.606 0.813 0.296 0.374

STRESS PERIOD 304

1

0.735 0.621 0.997 0.997 1 0.982 0.945 0.98 0.905 1 0.672 0.735 0.946 1 0.898 0.293 1 0.638 0.904 0.792 0.037
0.933 1 1 0.308 0.977 0.952 0.408 0.898 0.565 1 0.992 0.873 0.481 0.217 1 0.251 0.27 1 0.462 0.113 0.113 0.682
0.091 0.606 0.813 0.296 0.374

STRESS PERIOD 305

1

0.735 0.621 0.997 0.997 1 0.982 0.945 0.98 0.905 1 0.672 0.735 0.946 1 0.898 0.293 1 0.638 0.904 0.792 0.037
0.933 1 1 0.308 0.977 0.952 0.408 0.898 0.565 1 0.992 0.873 0.481 0.217 1 0.251 0.27 1 0.462 0.113 0.113 0.682
0.091 0.606 0.813 0.296 0.374

STRESS PERIOD 306

1

0.735 0.621 0.997 0.997 1 0.982 0.945 0.98 0.905 1 0.672 0.735 0.946 1 0.898 0.293 1 0.638 0.904 0.792 0.037
0.933 1 1 0.308 0.977 0.952 0.408 0.898 0.565 1 0.992 0.873 0.481 0.217 1 0.251 0.27 1 0.462 0.113 0.113 0.682
0.091 0.606 0.813 0.296 0.374

STRESS PERIOD 307

1

0.736 0.629 0.999 0.998 1 0.984 0.947 0.981 0.907 1 0.676 0.737 0.947 1 0.905 0.298 1 0.642 0.905 0.801 0.037
0.938 1 1 0.312 0.985 0.961 0.412 0.905 0.581 1 1 0.878 0.489 0.219 1 0.251 0.27 1 0.473 0.118 0.118 0.684 0.093
0.608 0.813 0.298 0.377

STRESS PERIOD 308

1

0.736 0.629 0.999 0.998 1 0.984 0.947 0.981 0.907 1 0.676 0.737 0.947 1 0.905 0.298 1 0.642 0.905 0.801 0.037
0.938 1 1 0.312 0.985 0.961 0.412 0.905 0.581 1 1 0.878 0.489 0.219 1 0.251 0.27 1 0.473 0.118 0.118 0.684 0.093
0.608 0.813 0.298 0.377

STRESS PERIOD 309

1

0.736 0.629 0.999 0.998 1 0.984 0.947 0.981 0.907 1 0.676 0.737 0.947 1 0.905 0.298 1 0.642 0.905 0.801 0.037
0.938 1 1 0.312 0.985 0.961 0.412 0.905 0.581 1 1 0.878 0.489 0.219 1 0.251 0.27 1 0.473 0.118 0.118 0.684 0.093
0.608 0.813 0.298 0.377

STRESS PERIOD 310

1

0.736 0.629 0.999 0.998 1 0.984 0.947 0.981 0.907 1 0.676 0.737 0.947 1 0.905 0.298 1 0.642 0.905 0.801 0.037
0.938 1 1 0.312 0.985 0.961 0.412 0.905 0.581 1 1 0.878 0.489 0.219 1 0.251 0.27 1 0.473 0.118 0.118 0.684 0.093
0.608 0.813 0.298 0.377

STRESS PERIOD 311

1

0.736 0.629 0.999 0.998 1 0.984 0.947 0.981 0.907 1 0.676 0.737 0.947 1 0.905 0.298 1 0.642 0.905 0.801 0.037
0.938 1 1 0.312 0.985 0.961 0.412 0.905 0.581 1 1 0.878 0.489 0.219 1 0.251 0.27 1 0.473 0.118 0.118 0.684 0.093
0.608 0.813 0.298 0.377

STRESS PERIOD 312

1

0.736 0.629 0.999 0.998 1 0.984 0.947 0.981 0.907 1 0.676 0.737 0.947 1 0.905 0.298 1 0.642 0.905 0.801 0.037
0.938 1 1 0.312 0.985 0.961 0.412 0.905 0.581 1 1 0.878 0.489 0.219 1 0.251 0.27 1 0.473 0.118 0.118 0.684 0.093
0.608 0.813 0.298 0.377

STRESS PERIOD 313

1

0.738 0.637 1 0.998 1 0.986 0.948 0.982 0.908 1 0.68 0.738 0.948 1 0.911 0.303 1 0.645 0.906 0.811 0.038 0.943 1
1 0.315 0.993 0.971 0.415 0.911 0.597 1 1 0.883 0.497 0.221 1 0.251 0.27 1 0.484 0.123 0.123 0.686 0.095 0.61
0.813 0.3 0.38

STRESS PERIOD 314

1

0.738 0.637 1 0.998 1 0.986 0.948 0.982 0.908 1 0.68 0.738 0.948 1 0.911 0.303 1 0.645 0.906 0.811 0.038 0.943 1
1 0.315 0.993 0.971 0.415 0.911 0.597 1 1 0.883 0.497 0.221 1 0.251 0.27 1 0.484 0.123 0.123 0.686 0.095 0.61
0.813 0.3 0.38

STRESS PERIOD 315

1

0.738 0.637 1 0.998 1 0.986 0.948 0.982 0.908 1 0.68 0.738 0.948 1 0.911 0.303 1 0.645 0.906 0.811 0.038 0.943 1
1 0.315 0.993 0.971 0.415 0.911 0.597 1 1 0.883 0.497 0.221 1 0.251 0.27 1 0.484 0.123 0.123 0.686 0.095 0.61
0.813 0.3 0.38

STRESS PERIOD 316

1

0.738 0.637 1 0.998 1 0.986 0.948 0.982 0.908 1 0.68 0.738 0.948 1 0.911 0.303 1 0.645 0.906 0.811 0.038 0.943 1
1 0.315 0.993 0.971 0.415 0.911 0.597 1 1 0.883 0.497 0.221 1 0.251 0.27 1 0.484 0.123 0.123 0.686 0.095 0.61
0.813 0.3 0.38

STRESS PERIOD 317

1

0.738 0.637 1 0.998 1 0.986 0.948 0.982 0.908 1 0.68 0.738 0.948 1 0.911 0.303 1 0.645 0.906 0.811 0.038 0.943 1
1 0.315 0.993 0.971 0.415 0.911 0.597 1 1 0.883 0.497 0.221 1 0.251 0.27 1 0.484 0.123 0.123 0.686 0.095 0.61
0.813 0.3 0.38

STRESS PERIOD 318

1

0.738 0.637 1 0.998 1 0.986 0.948 0.982 0.908 1 0.68 0.738 0.948 1 0.911 0.303 1 0.645 0.906 0.811 0.038 0.943 1
1 0.315 0.993 0.971 0.415 0.911 0.597 1 1 0.883 0.497 0.221 1 0.251 0.27 1 0.484 0.123 0.123 0.686 0.095 0.61
0.813 0.3 0.38

STRESS PERIOD 319

1

0.739 0.645 1 0.998 1 0.989 0.95 0.983 0.91 1 0.683 0.74 0.949 1 0.918 0.308 1 0.648 0.907 0.821 0.039 0.948 1 1
0.318 1 0.981 0.418 0.918 0.613 1 1 0.888 0.505 0.224 1 0.251 0.27 1 0.495 0.128 0.128 0.689 0.097 0.612 0.813
0.302 0.382

STRESS PERIOD 320

1

0.739 0.645 1 0.998 1 0.989 0.95 0.983 0.91 1 0.683 0.74 0.949 1 0.918 0.308 1 0.648 0.907 0.821 0.039 0.948 1 1
0.318 1 0.981 0.418 0.918 0.613 1 1 0.888 0.505 0.224 1 0.251 0.27 1 0.495 0.128 0.128 0.689 0.097 0.612 0.813
0.302 0.382

STRESS PERIOD 321

1

0.739 0.645 1 0.998 1 0.989 0.95 0.983 0.91 1 0.683 0.74 0.949 1 0.918 0.308 1 0.648 0.907 0.821 0.039 0.948 1 1
0.318 1 0.981 0.418 0.918 0.613 1 1 0.888 0.505 0.224 1 0.251 0.27 1 0.495 0.128 0.128 0.689 0.097 0.612 0.813
0.302 0.382

STRESS PERIOD 322

1

0.739 0.645 1 0.998 1 0.989 0.95 0.983 0.91 1 0.683 0.74 0.949 1 0.918 0.308 1 0.648 0.907 0.821 0.039 0.948 1 1
0.318 1 0.981 0.418 0.918 0.613 1 1 0.888 0.505 0.224 1 0.251 0.27 1 0.495 0.128 0.128 0.689 0.097 0.612 0.813
0.302 0.382

STRESS PERIOD 323

1

0.739 0.645 1 0.998 1 0.989 0.95 0.983 0.91 1 0.683 0.74 0.949 1 0.918 0.308 1 0.648 0.907 0.821 0.039 0.948 1 1
0.318 1 0.981 0.418 0.918 0.613 1 1 0.888 0.505 0.224 1 0.251 0.27 1 0.495 0.128 0.128 0.689 0.097 0.612 0.813
0.302 0.382

STRESS PERIOD 324

1

0.739 0.645 1 0.998 1 0.989 0.95 0.983 0.91 1 0.683 0.74 0.949 1 0.918 0.308 1 0.648 0.907 0.821 0.039 0.948 1 1
0.318 1 0.981 0.418 0.918 0.613 1 1 0.888 0.505 0.224 1 0.251 0.27 1 0.495 0.128 0.128 0.689 0.097 0.612 0.813
0.302 0.382

STRESS PERIOD 325

1

0.741 0.653 1 0.999 1 0.991 0.951 0.984 0.911 1 0.687 0.741 0.95 1 0.924 0.313 1 0.651 0.907 0.831 0.04 0.953 1 1
0.321 1 0.991 0.421 0.924 0.629 1 1 0.893 0.513 0.226 1 0.251 0.27 1 0.506 0.133 0.133 0.691 0.099 0.615 0.813
0.305 0.385

STRESS PERIOD 326

1

0.741 0.653 1 0.999 1 0.991 0.951 0.984 0.911 1 0.687 0.741 0.95 1 0.924 0.313 1 0.651 0.907 0.831 0.04 0.953 1 1
0.321 1 0.991 0.421 0.924 0.629 1 1 0.893 0.513 0.226 1 0.251 0.27 1 0.506 0.133 0.133 0.691 0.099 0.615 0.813
0.305 0.385

STRESS PERIOD 327

1

0.741 0.653 1 0.999 1 0.991 0.951 0.984 0.911 1 0.687 0.741 0.95 1 0.924 0.313 1 0.651 0.907 0.831 0.04 0.953 1 1
0.321 1 0.991 0.421 0.924 0.629 1 1 0.893 0.513 0.226 1 0.251 0.27 1 0.506 0.133 0.133 0.691 0.099 0.615 0.813
0.305 0.385

STRESS PERIOD 328

1

0.741 0.653 1 0.999 1 0.991 0.951 0.984 0.911 1 0.687 0.741 0.95 1 0.924 0.313 1 0.651 0.907 0.831 0.04 0.953 1 1
0.321 1 0.991 0.421 0.924 0.629 1 1 0.893 0.513 0.226 1 0.251 0.27 1 0.506 0.133 0.133 0.691 0.099 0.615 0.813
0.305 0.385

STRESS PERIOD 329

1

0.741 0.653 1 0.999 1 0.991 0.951 0.984 0.911 1 0.687 0.741 0.95 1 0.924 0.313 1 0.651 0.907 0.831 0.04 0.953 1 1
0.321 1 0.991 0.421 0.924 0.629 1 1 0.893 0.513 0.226 1 0.251 0.27 1 0.506 0.133 0.133 0.691 0.099 0.615 0.813
0.305 0.385

STRESS PERIOD 330

1

0.741 0.653 1 0.999 1 0.991 0.951 0.984 0.911 1 0.687 0.741 0.95 1 0.924 0.313 1 0.651 0.907 0.831 0.04 0.953 1 1
0.321 1 0.991 0.421 0.924 0.629 1 1 0.893 0.513 0.226 1 0.251 0.27 1 0.506 0.133 0.133 0.691 0.099 0.615 0.813
0.305 0.385

STRESS PERIOD 331

1

0.743 0.661 1 0.999 1 0.994 0.953 0.985 0.913 1 0.691 0.743 0.951 1 0.93 0.317 1 0.654 0.908 0.84 0.041 0.957 1 1
0.324 1 1 0.424 0.93 0.645 1 1 0.897 0.521 0.229 1 0.251 0.27 1 0.517 0.137 0.137 0.694 0.101 0.617 0.813 0.307
0.388

STRESS PERIOD 332

1

0.743 0.661 1 0.999 1 0.994 0.953 0.985 0.913 1 0.691 0.743 0.951 1 0.93 0.317 1 0.654 0.908 0.84 0.041 0.957 1 1
0.324 1 1 0.424 0.93 0.645 1 1 0.897 0.521 0.229 1 0.251 0.27 1 0.517 0.137 0.137 0.694 0.101 0.617 0.813 0.307
0.388

STRESS PERIOD 333

1

0.743 0.661 1 0.999 1 0.994 0.953 0.985 0.913 1 0.691 0.743 0.951 1 0.93 0.317 1 0.654 0.908 0.84 0.041 0.957 1 1
0.324 1 1 0.424 0.93 0.645 1 1 0.897 0.521 0.229 1 0.251 0.27 1 0.517 0.137 0.137 0.694 0.101 0.617 0.813 0.307
0.388

STRESS PERIOD 334

1

0.743 0.661 1 0.999 1 0.994 0.953 0.985 0.913 1 0.691 0.743 0.951 1 0.93 0.317 1 0.654 0.908 0.84 0.041 0.957 1 1
0.324 1 1 0.424 0.93 0.645 1 1 0.897 0.521 0.229 1 0.251 0.27 1 0.517 0.137 0.137 0.694 0.101 0.617 0.813 0.307
0.388

STRESS PERIOD 335

1

0.743 0.661 1 0.999 1 0.994 0.953 0.985 0.913 1 0.691 0.743 0.951 1 0.93 0.317 1 0.654 0.908 0.84 0.041 0.957 1 1
0.324 1 1 0.424 0.93 0.645 1 1 0.897 0.521 0.229 1 0.251 0.27 1 0.517 0.137 0.137 0.694 0.101 0.617 0.813 0.307
0.388

STRESS PERIOD 336

1

0.743 0.661 1 0.999 1 0.994 0.953 0.985 0.913 1 0.691 0.743 0.951 1 0.93 0.317 1 0.654 0.908 0.84 0.041 0.957 1 1
0.324 1 1 0.424 0.93 0.645 1 1 0.897 0.521 0.229 1 0.251 0.27 1 0.517 0.137 0.137 0.694 0.101 0.617 0.813 0.307
0.388

STRESS PERIOD 337

1

0.744 0.669 1 0.999 1 0.996 0.955 0.986 0.915 1 0.695 0.745 0.952 1 0.937 0.322 1 0.658 0.909 0.85 0.041 0.962 1
1 0.328 1 1 0.428 0.937 0.661 1 1 0.902 0.529 0.231 1 0.251 0.27 1 0.528 0.142 0.142 0.696 0.103 0.619 0.813
0.309 0.39

STRESS PERIOD 338

1

0.744 0.669 1 0.999 1 0.996 0.955 0.986 0.915 1 0.695 0.745 0.952 1 0.937 0.322 1 0.658 0.909 0.85 0.041 0.962 1
1 0.328 1 1 0.428 0.937 0.661 1 1 0.902 0.529 0.231 1 0.251 0.27 1 0.528 0.142 0.142 0.696 0.103 0.619 0.813
0.309 0.39

STRESS PERIOD 339

1

0.744 0.669 1 0.999 1 0.996 0.955 0.986 0.915 1 0.695 0.745 0.952 1 0.937 0.322 1 0.658 0.909 0.85 0.041 0.962 1
1 0.328 1 1 0.428 0.937 0.661 1 1 0.902 0.529 0.231 1 0.251 0.27 1 0.528 0.142 0.142 0.696 0.103 0.619 0.813
0.309 0.39

STRESS PERIOD 340

1

0.744 0.669 1 0.999 1 0.996 0.955 0.986 0.915 1 0.695 0.745 0.952 1 0.937 0.322 1 0.658 0.909 0.85 0.041 0.962 1
1 0.328 1 1 0.428 0.937 0.661 1 1 0.902 0.529 0.231 1 0.251 0.27 1 0.528 0.142 0.142 0.696 0.103 0.619 0.813
0.309 0.39

STRESS PERIOD 341

1

0.744 0.669 1 0.999 1 0.996 0.955 0.986 0.915 1 0.695 0.745 0.952 1 0.937 0.322 1 0.658 0.909 0.85 0.041 0.962 1
1 0.328 1 1 0.428 0.937 0.661 1 1 0.902 0.529 0.231 1 0.251 0.27 1 0.528 0.142 0.142 0.696 0.103 0.619 0.813
0.309 0.39

STRESS PERIOD 342

1

0.744 0.669 1 0.999 1 0.996 0.955 0.986 0.915 1 0.695 0.745 0.952 1 0.937 0.322 1 0.658 0.909 0.85 0.041 0.962 1
1 0.328 1 1 0.428 0.937 0.661 1 1 0.902 0.529 0.231 1 0.251 0.27 1 0.528 0.142 0.142 0.696 0.103 0.619 0.813
0.309 0.39

