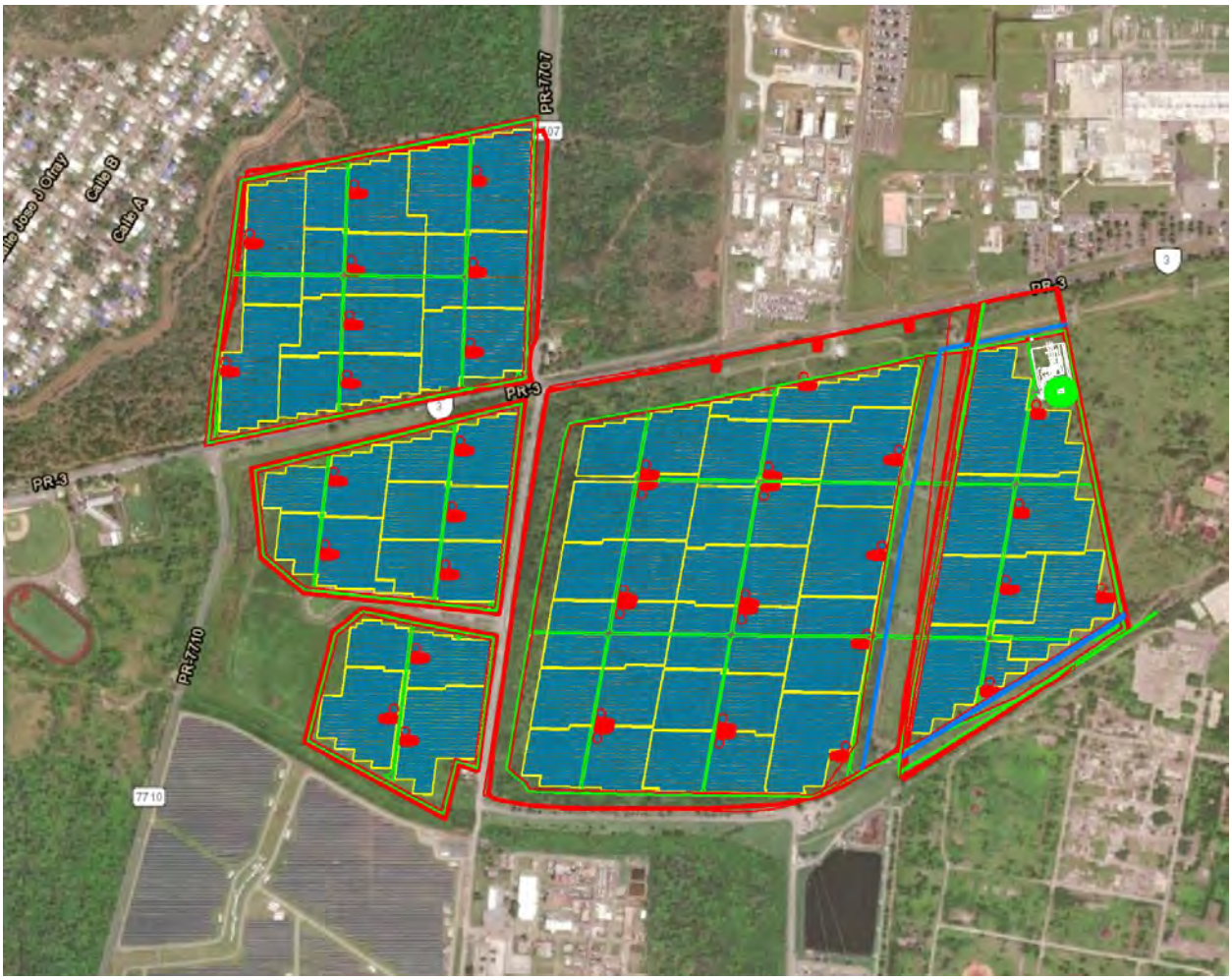
29404- HH Report AES-PV Site
Guayama, PR

Hydrologic and Hydraulic Study
AES Jobos-PV Site, Guayama, PR.



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6/16/2021

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1 INTRODUCTION

This hydrologic and hydraulic study (HH Study) was prepared for the development of a ground mounted photovoltaic power (PV) plant in a site located at PR-3 km 143 in Jobos Ward in the municipality of Guayama. The Project site lot is currently undeveloped and is characterized by a land cover of pasture and medium dense grove. According to the latest flooding information, the site is located in Zone A, offsite of the Río Melania floodway limits.

In order to fulfill the requirements of current regulations and guarantee an environmentally-sound design, a hydrologic and hydraulic study was performed to evaluate the impact that the proposed project could have to the existing hydrological conditions at the site by increasing peak runoff due to the new impervious surfaces, specifically for short-term storms. An on-site hydrologic analysis was conducted to reduce the peak flows from the site (i.e. peak-shave) to the pre-development condition level.

The main objective is to peak-shave the discharge hydrographs from the site such that the proposed condition peak flows does not exceed the existing condition peak, as required by the Puerto Rico Planning Board Regulation No. 34.

Clean Flexible Energy, LLC retained the services of PMG & Associates (PMG) to perform a Hydrologic and Hydraulic study to determine the effects of the proposed photovoltaic power (PV) Project into the on-site runoff discharge. This report constitutes the first progress report for the contracted works and describes the hydrologic analysis and results completed so far.

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1.1 Purpose of these study

The purpose of this study is to evaluate the impact that the proposed project could have over the existing hydrological conditions at the site by increasing peak runoff due to the new PV panels impervious surfaces. If the proposed development increases the peak discharge, a runoff mitigation analysis needs to be conducted to mitigate the runoff increment.

This report has been prepared in compliance with the PRPB Regulation Num. 13 (JPPR-2010), PRPB Regulation Num. 34 (JPPR-2015), and the applicable requirements of the "Guías para la Elaboración de Estudios HH" (JPPR-2016).

1.2 Scope of Work

The scope of work of the study is to generate hydrologic data required to determine the runoff discharge before and after the Project is constructed. The following tasks were performed to complete the scope of work:

- Collection and evaluation of hydrological data to calculate runoff discharges within the project site.
- Watershed delineation and flow pattern determination for the watershed contributing to the project site.
- Determination of time parameters, hydrological classification of soils, land uses and soil types.
- Calculation of the SCS Curve Number.
- Collecting information of rainfall characteristics of the region.
- Development and construction of an ICPR Hydrologic simulation model to determine the peak flows generated by storm events with return periods of 2, 5, 10, 25, 50, and 100 years.
- Determine the storm water management requirements within the project site, if any.

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2 DESCRIPTION OF STUDY AREA

2.1 Project Location

AES Jobos PV development is proposed to be constructed in approximately 311 acres (320.3 cuerdas) of undeveloped parcel of land, located at PR-3 Km 142 at Jobos Ward in the municipality of Guayama. Appendix A shows the location map.

2.2 Existing Topography

According to the information of the USGS topographic quadrangle and USGS LiDAR Topographic data of 2016, the project site has a ground elevation ranging from 318m at the uppermost locations to 6m at the lowest point of the property.

The project site drains mainly to the west, towards the grassland herbaceous and medium dense grove zone. The site's topography is characterized by very low ground slopes. The runoff patterns are clearly defined as the site presents ground elevations suggesting that it is accumulated along the surface due to very low terrain slopes before it can discharge to the west and south of the study zone. A Preliminary USGS LiDAR topographic data plan and Topographic plan from field survey can be found in Appendix B.

2.3 Description of Proposed Design

The Project consists of the construction of a photovoltaic power (PV) plant to provide renewable energy to PREPA's electrical grid. To achieve this approximately 247 acres will be covered by solar panels. The solar panels will be supported by structural truss elements anchored to the ground. In addition to the solar panels, power inverters and transformers will be installed. The inverters will be supported by a concrete structure raised by columns above flood levels. Appendix C shows the Project Schematic site plan.

2.4 Flood Zone Classification

2.4.1 Regulatory Flood Zone Classification

According to FEMA's Flood Insurance Rate Map (FIRM) Panel 72000C2110J (November 18, 2009), the Project is located within Zone AE regulatory outside of Floodway with a base flood elevation (BFE) of 12.53 to 7.23 meters (amsl).

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April 13, 2018, After Hurricane Maria, FEMA developed the Puerto Rico Advisory Base Flood Elevations (ABFE), which provide information about Base Flood Elevation (BFE) and new floodplains with annual probability occurrence of 1% and 0.2% in Puerto Rico. ABFEs are provided to communities as a tool to support the recovery of PR and make them more resilient in the future. These new maps were developed with limited data for design purpose. These maps have been adopted by the PRPB and shall be considered for development design criteria. According to the Melania Creek ABFE Map, the floodplain changes the classification to Zone A with a BFE range between 12.53 to 7.23 meters (amsl).

2.5 Flood Zone

2.5.2 Flood Insurance Study (FIS)

The FIS investigates the existence and severity of flood hazards for the geographic area of Puerto Rico. According to FIS-09, the Río Melania rises in the foothills of the Cordillera Central and flows southward into a mangrove swamp at Bahia de Jobos. Lago Melania, a small reservoir in the Río Melania Basin, is located near the inland edge of the coastal plain. It is partially silted and does not have the storage capacity to have more than a negligible effect on floods.

The hydrology for the Río Melania was calculated using USGS regional flood frequency report (DOI, et al, 1979). The regional flood-frequency report was based on a log-Pearson Type III analyses of individual station records (Water Resources Council, 1976). Regionalization was developed using multiple-regression techniques. Discharges for 0.2-percent annual chance floods were determined by extrapolation of a log-probability graph of the flood discharges computed for frequencies up to the 1-percent annual chance recurrence interval. Table 2-1 shows the discharge summary of Rio Melania according to FIS study.

Table 2-1 FIS Discharge Summary

	Return period (years)	10	50	100	500
Rio Melania	**Peak Flow (cms)**	59	154	218	425

FIS Hydraulic analyses were done to estimate the water surface elevation of the floodplains for the mentioned periods. Cross sections for Río Melania were field surveyed and were located at close intervals above and below bridges to compute the significant backwater effects of these structures in the highly urbanized areas.

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Using the USGS J635 step-backwater computer program (DOI, 1977). Average shallow flooding depths for Río Melania were determined from the results of the preliminary J635 computer analysis (DOI, 1977).

For Río Melania, the preliminary hydraulic analyses showed the difference between the 10- and 1-percent annual chance floods to be small through the shallow flooding reach. Hydrologic Investigation Atlas HA-446 provides historic data for the 1970 flood, which had a recurrence interval estimated at slightly less than 10 years (HA-446, DOI, 1971) determined by using the slope/area method and adjusted by convergence patterns of the profiles obtained from J635 step-backwater computations (DOI, 1977). Figure 2-1 shows the water elevation profile developed using the FIS water elevation values for Rio Melania. Is important to notice that the project site is located between cross sections A and D. Appendix D shows the considered FEMA FIS-09 Study section for this study.

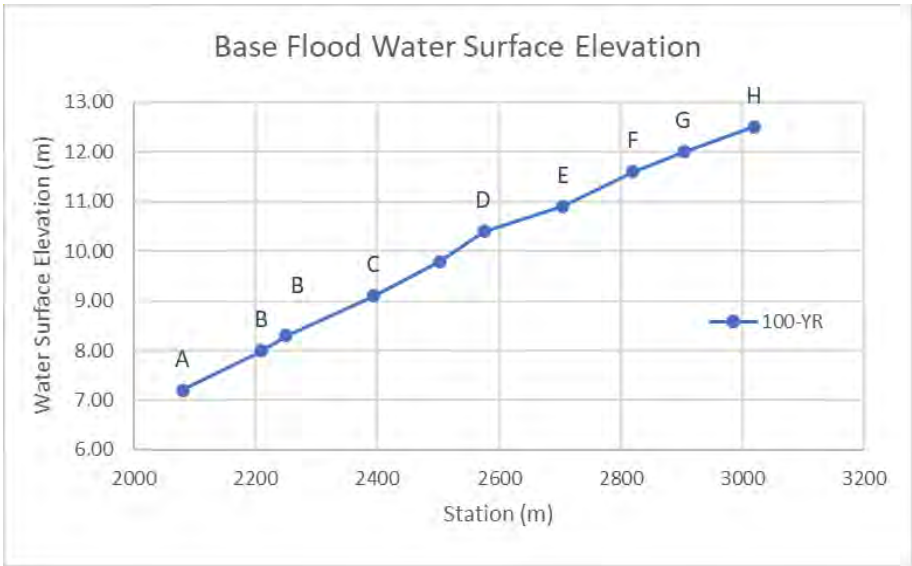

Figure 2-1 FIS Study Water Level Profile for Rio Melania

2.5.3 FEMA Advisory Base Flood Elevation Maps (ABFEs)

According to the Puerto Rico Advisory Data and Products Reports, the ABFEs flows for each frequency event were computed using the published USGS regression equations (Lopez, 1979 and Ramos-Gines, 1989) called Gage and FIS Flow/Hydrology analysis called Base Level Engineer flow (BLE). In some cases, a combination of FIS flows and gage data were used to determine the base flood elevation (BFE) of each storm duration event.

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In this case, there were no gages with a long period of record for both reaches. The FIS flow and regression flow were similar. The highest peak flow between these two methodologies was assigned for each cross-section of the Hydraulic Model to determine the BFE. ABFEs steady flow hydraulic ("HEC-RAS") models were developed for the 10-percent, 4-percent, 2-percent, 1-percent, 1-percent plus, and 0.2-percent annual chance flood events. The 1-percent plus flows were computed by adding one standard error of prediction of 44.5-percent. The 1-percent plus flows were computed by multiplying the 1-percent flows by 1.445 (Ref. 3). A corresponding computed USGS rural regression discharge was assigned for each cross-section location. The HEC-RAS model for Rio Melania is identified as 6117 in these ABFEs maps. Table 2-2 shows the ABFE and FIS Flood Flow values corresponding to FIS-09 cross-section A river station.

Table 2-2. ABFE and FIS Flood Flow Values

Rio Melania		
Sta.	ABFE	FIS-09
(m)	(cms)	(cms)
2080	197	218

FEMA uses the most conservative riverine BFE to represent the ABFEs Maps results. The water surface elevations shown in these new maps represent the most conservative riverine flood level from either the 2009 effective FIRM study or the new advisory modeling.

In this case, the values presented in ABFEs Maps for Rio Melania study segment are the same as FIRM 2009 (Effective) at the project site location. Figure 2-2 shows the FIRM-09 and ABFEs water surface elevations obtained from their respective maps on the sections near to the project site. FEMA's ABFE is based on the FIS09, consequently the Floodway defined in the FIRM map is applicable to the ABFE. Therefore, a new hydraulic analysis is not required because the proposed project according to these maps is located out-site of the floodway zone. Appendix E shows the FEMA ABFE Map and the Water Surface Elevation with information source on the FEMA ABFE's & FIRM's cross sections near the project site.

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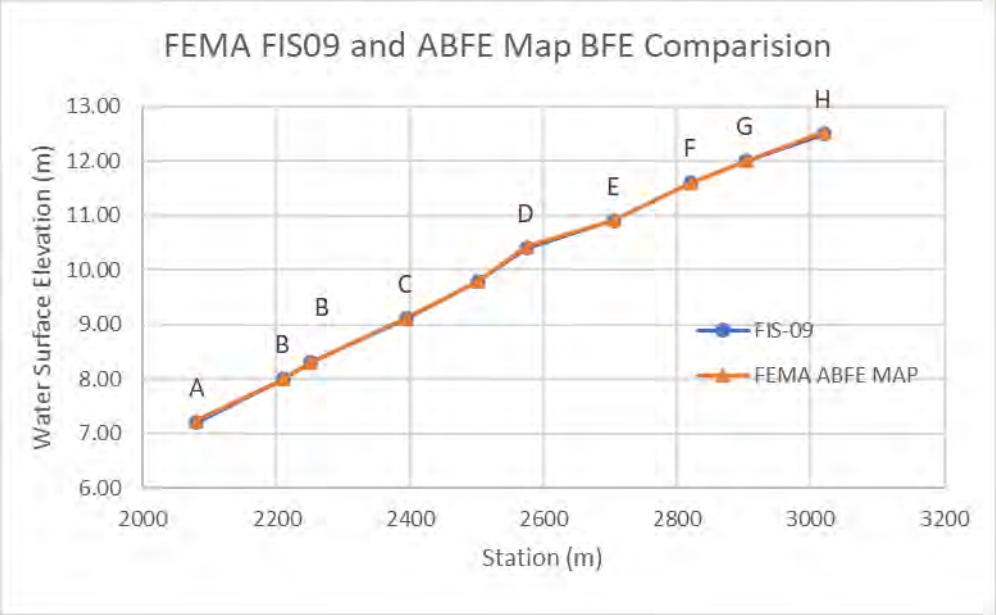

Figure 2-2 FEMA-09 and ABFE Water Surface Elevations Rio Melania

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3 Stormwater Management Analysis

The proposed development will impact the existing hydrological conditions at the site by increasing peak runoff due to the new photovoltaic panels impervious surfaces. A runoff mitigation analysis was conducted to size the proposed detention systems to reduce the peak flows from the site to or under pre-development conditions. The following sections describe the stormwater management analysis.

3.1 Hydrologic Analysis Methodology

The hydrologic simulation was performed in accordance with the methods developed by the Soil Conservation Service (SCS). The hydrologic model used was ICPR Streamlines Technologies. This computer program estimates the surface runoff resulting from any synthetic or natural storm. Rainfall is transformed to runoff via unit hydrograph methods. Discharge is computed at the outlet of each sub-area (sub-basin).

3.2 Design Storm and Rainfall Data

The precipitations considered for the study corresponded to return periods of 2-, 5-, 10-, 25-, 50-, and 100-years, and durations of 1-, 6-, 12- and 24-hours. The storm data for these events is obtained from Atlas 14 Hydrometeorological Design Study Center by using the location coordinates for the site: 17.9559 N and -66.1542W. The corresponding values are presented on Table 3-1. Rainfall time distributions were established according to the National Weather Service (NWS) for the first and fourth quartile, as the 10% and 90% percentile, respectively. Appendix F shows the precipitation data used.

Table 3-1 Rainfall average values for different return periods.

	Precipitation Depth corresponding to Tr (inches)					
Duration (hrs)	**2**	**5**	**10**	**25**	**50**	**100**
1	1.81	2.24	2.56	2.96	3.26	3.57
6	3.22	4.39	5.27	6.51	7.5	8.53
12	3.86	5.38	6.6	8.33	9.76	11.3
24	4.58	6.52	8.15	10.5	12.5	14.6

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3.3 Watershed Description

The first step in the stormwater analysis was to estimate the project's drainage area. The existing condition topography and the surroundings suggest that there will be some level of runoff accumulation. According to existing condition topography, the project site was divided in 6 sub-drainage areas, which (Basin_1 and Basin_2) discharge to the west, (Basin_3, Basin_4, and Basin_5) discharge to a low point zone which discharges eventually to the west. Basin_5 and Basin_6 discharge to the south of the facility.

The proposed condition runoff distribution was delimited according to topographic and the project's site plan. The project site maintains the same drainage areas and discharge locations as the existing condition with six (6) Sub-Basins. The average watershed slope remains similar as the existing condition.

These drainage areas were also connected to the hydrologic-hydraulic model's discharge point to aid in the addition of the runoff hydrographs under proposed conditions. Appendix F shows the watershed map.

3.3.1 Land Uses

The study drainage basins are located within the municipality of Guayama. The existing condition land uses were defined according USGS 2006 land cover map and Aerial Photographs. The land uses for the sub-basins are grassland herbaceous and medium dense grove.

According to PV Panels design, the PV panels and utilities are elevated above the terrain elevation, promoting the natural vegetation growth in the site. The proposed condition land uses for PV panels development area is existing grassland herbaceous, for road accesses is dirt road cover, and gravel for the distribution center zone. A complete distribution of the land use for pre- and post- developed conditions is available in the land cover map Appendix G.

3.3.2 Soil Type

Soil type within the project site mainly was Daguey Clay (DaD2), other soil types in the project area were Lares Clay (LaB2), Mani Clay (Mn) and Bajura Clay (Ba). The project site has hydrological soil groups C and D with a predominant hydrologic soil group of Type C. Appendix H shows the soil map.

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3.3.3 Runoff Curve Number

The SCS method of runoff estimation involves the computation of a runoff Curve Number (CN). This number corresponds to hydrologic soil-cover relations and land uses. The major factors to determine CN are the hydrologic soil group, cover type, and antecedent moisture condition.

The existing condition values of CN were obtained from tables prepared by the SCS for the Caribbean and were weighted according to the soil type and land use area percentage on each sub-basin. Soil characteristics of the study area were identified by means of soil maps. The United States Department of Agriculture Natural Soil Conservation Service (NRCS), in cooperation with the University of Puerto Rico has published soil maps and classified the soils according to their hydrologic characteristics. The Puerto Rico Planning Board (PRPB) has digitalized these maps.

Land cover for the site was assigned based on data, aerial photography, and design site plant. Runoff CN values were determined using the information provided in the Soil Map and Land Cover Map together with the SCS tables. Their combination was done using GIS techniques. Appendix I shows the CN calculation table. The computed CN for each sub-basin is shown in Table 3-2.

3.3.4 Time of Concentration

The time of concentration was estimated using the commonly used method known as Lag Equation. This equation was developed by NRCS using 24 watersheds in United States. It provides reasonable results for watersheds with areas up to 19 mi^2. The Lag equation follows,

$$T_c = [1.67 * L^{0.8}[(1000/CN) - 9]^{0.7}]/ (1900 * S^{0.5})$$

where:

Tc = time of concentration (hr)
L = watershed flow length
S = Watershed Slope
CN= curve number

Hydrologic properties used to estimate the Tc for all sub-basins are presented on Appendix I. The resulting properties for each sub-basin are presented in Table 3-2 for the existing conditions, it includes the area, time of concentration and curve number. The total area of the entire watershed is also included in the table.

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Table 3-2 General hydrologic properties for each sub-basin (existing condition).

Basin	Area		Tc	CN
ID	(acres)	(ha)	(min)	
Basin_1	10.2	4.1	24.9	74.5
Basin_2	48.8	19.7	81.6	62.6
Basin_3	5.3	2.1	24.7	61.0
Basin_4	32.9	13.3	48.4	69.8
Basin_5	21.2	8.6	32.6	79.8
Basin_6	144.7	58.6	104.6	63.5
Basin_7	52.2	21.1	55.0	61.0
Total	**315.3**	**127.6**		

3.4 Hydrologic Simulation

The hydrologic simulation model used for this study was ICPR Streamlines Technologies. The hydrologic simulations were performed for the storm events with return periods of 2-, 5-, 10-, 25-, 50- and 100-years and 24-, 12-, 6- and 1-hour duration under existing and proposed conditions. The simulation was performed based on the SCS Dimensionless Unit Hydrograph Method. The hydrologic model configuration setup is presented on Figure 3-1. The Appendix K shows a hydrologic model schematic site plan.

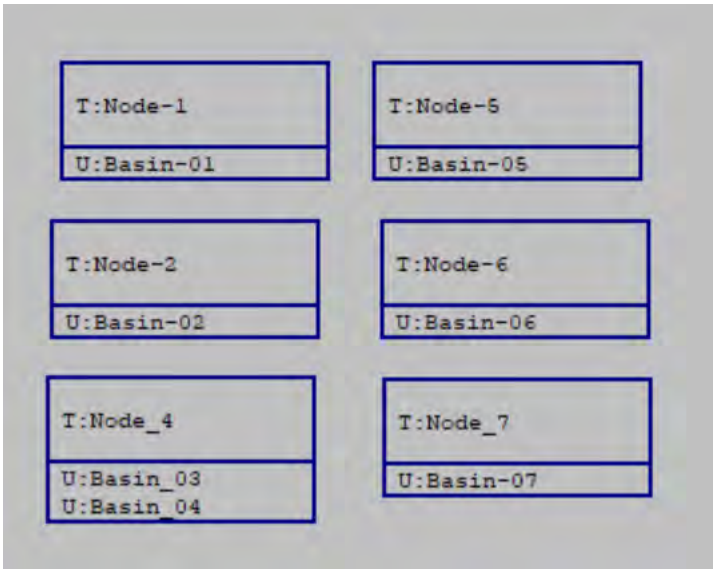

Figure 3-1 Hydrologic model configuration under existing conditions.

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ICPR configuration requires for basin, nodes and links be established to complete the simulation process. Basins represent the catchment areas where runoff is generated due to a storm event. Basins are assigned to nodes. Nodes receive runoff generated by basins and are interconnected by links. Nodes may include stage-area data if runoff storage is expected or required.

3.4.1 Existing Conditions

In compliance with local regulations, any development causing a peak flow greater than that under existing conditions, should provide a storm water management facility to mitigate the runoff increment before discharging downstream into a neighboring property. To verify that the discharge from the proposed project will not have downstream impacts, 6 Nodes were created in the model.

Node_1 and 2 discharge to the west at north of PR-3, Node_3 and 4 discharge to west at south of PR-3. The Node 4 and 5 discharges to south at east of PR-7707. These nodes were created to determine total existing discharge for each discharge zone.

Basins_1 and 2 were incorporated into Node_1 and 2 respectively. Basins 3 and 4 were incorporated into Node_4, and Basins 5, 6 and 7 were incorporated to Node 5, Node_6 and Node_7, respectively.

The basin peak flows summary for all Sub-Basins are shown in Table 3-3. The total discharge summary results for all Nodes are shown in Table 3-4. According to existing condition results, for a 100-yr storm event, Node_1 and 2 have a peak discharge of 39.3 cfs and 126.8 cfs, respectively. Node_4 have a peak discharge of 123.7 cfs and Nodes 5, 6 and 7 have a peak discharge 87.8f cfs, 340 cfs, and 152.2 cfs, respectively. All peak discharges occurred during the 6-hr and 24-hour storm duration.

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Table 3-3: Sub-Basin Peak Flow Summary Results - EC

	Basin-01		Basin-05	
Tr	Flow Max (cfs)	Simulation	Flow Max (cfs)	Simulation
100	39.5	100-6hr-10%	87.9	100-6hr-10%
50	33.0	50-6hr-10%	74.2	50-6hr-10%
25	26.8	25yr-6hr-10%	61.2	25yr-6hr-10%
10	19.3	10yr-6hr-10%	45.4	10yr-6hr-10%
5	19.1	5yr-1hr-90%	42.6	5yr-1hr-90%
2	9.1	2yr-24hr-90%	20.9	2yr-6hr-10%
	Basin-02		Basin-06	
Tr	Flow Max (cfs)	Simulation	Flow Max (cfs)	Simulation
100	135.6	100-24hr-90%	376.1	100-24hr-90%
50	111.9	50-24hr-90%	310.4	50-24hr-90%
25	89.3	25yr-24hr-90%	247.8	25yr-24hr-90%
10	63.0	10yr-24hr-90%	174.7	10yr-24hr-90%
5	45.0	5yr-24hr-90%	125.0	5yr-24hr-90%
2	24.7	2yr-24hr-90%	68.6	2yr-24hr-90%
	Basin-03		Basin-07	
Tr	Flow Max (cfs)	Simulation	Flow Max (cfs)	Simulation
100	17.8	100-24hr-90%	156.7	100-24hr-90%
50	14.7	50-24hr-90%	129.3	50-24hr-90%
25	11.8	25yr-24hr-90%	103.1	25yr-24hr-90%
10	8.3	10yr-24hr-90%	72.6	10yr-24hr-90%
5	6.0	5yr-24hr-90%	51.8	5yr-24hr-90%
2	3.3	2yr-24hr-90%	28.3	2yr-24hr-90%
	Basin-04			
Flow Max (cfs)	Simulation	Flow Max (cfs)		
100	107.8	100-24hr-90%		
50	90.3	50-24hr-90%		
25	73.6	25yr-24hr-90%		
10	53.8	10yr-24hr-90%		
5	40.1	5yr-24hr-90%		
2	24.1	2yr-24hr-90%		

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Table 3-4: Maximum peak flow for outlet structure results – EC

	Node-1		Node-5	
Tr	**Max Inflow (cfs)**	**Simulation**	**Max Inflow (cfs)**	**Simulation**
100	39.3	100-6hr-10%	87.8	100-6hr-10%
50	32.8	50-6hr-10%	74.2	50-6hr-10%
25	26.7	25yr-6hr-10%	61.2	25yr-6hr-10%
10	19.3	10yr-6hr-10%	45.2	10yr-6hr-10%
5	14.5	5yr-24hr-90%	34.3	5yr-6hr-10%
2	9.1	2yr-24hr-90%	20.9	2yr-6hr-10%
	Node-2		**Node-6**	
Tr	**Max Inflow (cfs)**	**Simulation**	**Max Inflow (cfs)**	**Simulation**
100	126.8	100-24hr-90%	340.0	100-24hr-90%
50	104.3	50-24hr-90%	278.9	50-24hr-90%
25	82.8	25yr-24hr-90%	220.9	25yr-24hr-90%
10	57.8	10yr-24hr-90%	153.5	10yr-24hr-90%
5	40.9	5yr-24hr-90%	108.0	5yr-24hr-90%
2	21.9	2yr-24hr-90%	57.2	2yr-24hr-90%
	Node_4		**Node_7**	
Tr	**Max Inflow (cfs)**	**Simulation**	**Max Inflow (cfs)**	**Simulation**
100	123.7	100-24hr-90%	152.2	100-24hr-90%
50	103.4	50-24hr-90%	125.3	50-24hr-90%
25	83.9	25yr-24hr-90%	99.7	25yr-24hr-90%
10	61.0	10yr-24hr-90%	69.8	10yr-24hr-90%
5	45.2	5yr-24hr-90%	49.5	5yr-24hr-90%
2	26.7	2yr-24hr-90%	26.7	2yr-24hr-90%

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3.4.2 Proposed Conditions

Proposed conditions simulation includes the proposed PV-Site plan. The ground cover under the panels was assumed to be a grassland herbaceous and the road accesses were assumed as dirt roads. For this condition, hydrologic properties of drainage area, time of concentration and curve number were revised for all Basins. If the cover under PV panels is modified from this assumption, the analysis should be revised.

The proposed condition drainage area distribution was delimited with a combination of existing topographic data and proposed project site plan to reduce the runoff impact. In this case, the proposed design does not affect the existing condition watershed distribution. The proposed condition watershed delimitation and slope are similar as the existing condition.

Table 3-5 shows the hydrologic properties for post-developed conditions including the revised drainage areas, CN, and time of concentration. Appendix F shows the watershed map for post-developed conditions. Appendix J shows the general hydrologic properties calculation sheet.

To determine the peak flow increments between existing and proposed conditions, the model configuration remains like the existing condition but including the proposed condition basins hydrologic properties (see Figure 3-2).

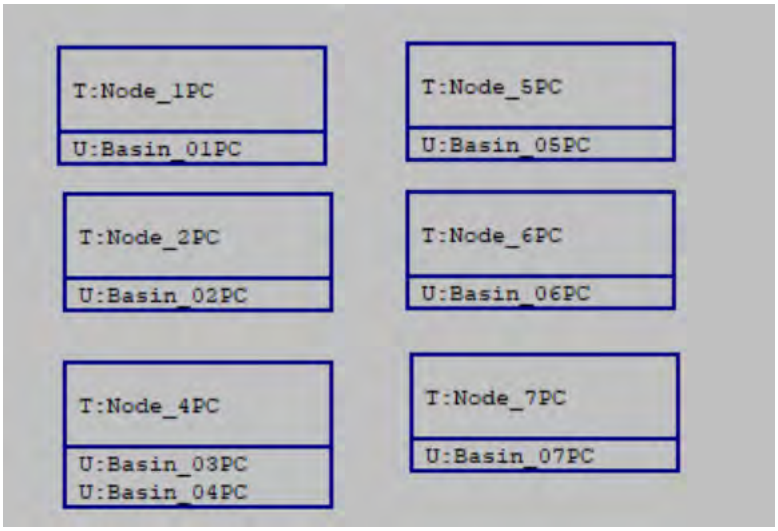

Figure 3-2: Hydrologic model configuration under PC without storage system.

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Table 3-5 General hydrologic properties for PC sub-basin (post-developed conditions).

Basin	Area		Tc	CN
ID	(acres)	(ha)	(min)	
Basin_1	10.2	4.1	24.4	75.2
Basin_2	48.8	19.7	80.1	63.3
Basin_3	5.3	2.1	23.8	62.3
Basin_4	**32.9**	**13.3**	47.8	**70.3**
Basin_5	21.2	8.6	32.4	80.0
Basin_6	144.7	58.6	103.2	64.0
Basin_7	52.2	21.1	53.9	61.8
Total	**315.3**	**127.6**		

Table 3-6 show the Basins peak flow values under post-developed conditions. Table 3-7 show the maximum Nodes peak flow values. Table 3-8 compares the total peak flow values between pre-developed and post developed conditions at each discharge node.

According to hydrologic results, all nodes have a small runoff discharge increment with a range from 0.3 cfs to 1.7 cfs depending on the node location and storm event. This increment is due to the increment in CN values in comparison with the existing condition. The Existing and Proposed Condition without storage Output Report are shown in Appendix L.

Table 3-6: Sub-Basin Peak Flow Summary Results – PC

	Basin-01		Basin-05	
Tr	Flow Max (cfs)	Simulation	Flow Max (cfs)	Simulation
100	40.2	100-6hr-10%	88.3	100-6hr-10%
50	33.6	50-6hr-10%	74.6	50-6hr-10%
25	27.3	25yr-6hr-10%	61.6	25yr-6hr-10%
10	19.8	10yr-6hr-10%	45.7	10yr-6hr-10%
5	14.7	5yr-24hr-90%	34.8	5yr-6hr-10%
2	9.3	2yr-24hr-90%	21.1	2yr-6hr-10%
	Basin-02		Basin-06	
Flow Max (cfs)	Simulation	Flow Max (cfs)	Flow Max (cfs)	Simulation
100	136.6	100-24hr-90%	377.4	100-24hr-90%
50	112.8	50-24hr-90%	311.7	50-24hr-90%
25	90.2	25yr-24hr-90%	249.0	25yr-24hr-90%
10	63.8	10yr-24hr-90%	175.7	10yr-24hr-90%
5	45.7	5yr-24hr-90%	125.9	5yr-24hr-90%
2	25.2	2yr-24hr-90%	69.3	2yr-24hr-90%

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	Basin-03		Basin-07	
Tr	Flow Max (cfs)	Simulation	Flow Max (cfs)	Simulation
100	17.9	100-24hr-90%	158.1	100-24hr-90%
50	14.8	50-24hr-90%	130.5	50-24hr-90%
25	11.9	25yr-24hr-90%	104.3	25yr-24hr-90%
10	8.5	10yr-24hr-90%	73.6	10yr-24hr-90%
5	6.2	5yr-24hr-90%	52.7	5yr-24hr-90%
2	3.5	2yr-24hr-90%	29.0	2yr-24hr-90%
	Basin-04			
Tr	Flow Max (cfs)	Simulation		
100	108.4	100-24hr-90%		
50	90.9	50-24hr-90%		
25	74.1	25yr-24hr-90%		
10	54.3	10yr-24hr-90%		
5	40.6	5yr-24hr-90%		
2	24.5	2yr-24hr-90%		

Table 3-7: Maximum peak flow for outlet structure results – PC

	Node_1PC		Node_5PC	
Tr	Max Inflow (cfs)	Simulation	Max Inflow (cfs)	Simulation
100	40.0	100-6hr-10%	88.1	100-6hr-10%
50	33.2	50-6hr-10%	74.5	50-6hr-10%
25	27.2	25yr-6hr-10%	61.5	25yr-6hr-10%
10	19.8	10yr-6hr-10%	45.5	10yr-6hr-10%
5	14.7	5yr-24hr-90%	34.5	5yr-6hr-10%
2	9.3	2yr-24hr-90%	21.1	2yr-6hr-10%
	Node_2PC		Node_6PC	
Tr	Max Inflow (cfs)	Simulation	Max Inflow (cfs)	Simulation
100	126.8	100-24hr-90%	341.7	100-24hr-90%
50	104.3	50-24hr-90%	280.5	50-24hr-90%
25	82.8	25yr-24hr-90%	222.3	25yr-24hr-90%
10	57.8	10yr-24hr-90%	154.7	10yr-24hr-90%
5	40.9	5yr-24hr-90%	109.0	5yr-24hr-90%
2	21.9	2yr-24hr-90%	58.0	2yr-24hr-90%
	Node_4PC		Node_7PC	
Tr	Max Inflow (cfs)	Simulation	Max Inflow (cfs)	Simulation
100	124.4	100-24hr-90%	153.8	100-24hr-90%
50	104.1	50-24hr-90%	126.7	50-24hr-90%
25	84.7	25yr-24hr-90%	101.0	25yr-24hr-90%
10	61.7	10yr-24hr-90%	70.9	10yr-24hr-90%
5	45.8	5yr-24hr-90%	50.5	5yr-24hr-90%
2	27.2	2yr-24hr-90%	27.5	2yr-24hr-90%

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Table 3-8: Peak flow comparison between pre- and post-developed conditions

Tr	Pre-developed Flow Max (cfs)	Post-developed Flow Max (cfs)	Post vs Pre (cfs)	Pre-developed Flow Max (cfs)	Post-developed Flow Max (cfs)	Post vs Pre (cfs)
	Node-1	**Node_1PC**		**Node-5**	**Node_5PC**	
100	39.3	40.0	**0.7**	87.8	88.1	**0.3**
50	32.8	33.2	**0.5**	74.2	74.5	**0.3**
25	26.7	27.2	**0.5**	61.2	61.5	**0.4**
10	19.3	19.8	**0.4**	45.2	45.5	**0.3**
5	14.5	14.7	**0.2**	34.3	34.5	**0.2**
2	9.1	9.3	**0.2**	20.9	21.1	**0.2**
	Node-2	**Node_2PC**		**Node-6**	**Node_6PC**	
100	126.8	128.2	**1.3**	340.0	341.7	**1.7**
50	104.3	105.5	**1.2**	278.9	280.5	**1.6**
25	82.8	83.9	**1.1**	220.9	222.3	**1.4**
10	57.8	58.7	**0.9**	153.5	154.7	**1.2**
5	40.9	41.7	**0.8**	108.0	109.0	**1.0**
2	21.9	22.5	**0.6**	57.2	58.0	**0.7**
	Node_4	**Node_4PC**		**Node_7**	**Node_7PC**	
100	123.7	124.4	**0.7**	152.2	153.8	**1.6**
50	103.4	104.1	**0.7**	125.3	126.7	**1.5**
25	83.9	84.7	**0.7**	99.7	101.0	**1.3**
10	61.0	61.7	**0.7**	69.8	70.9	**1.2**
5	45.2	45.8	**0.6**	49.5	50.5	**1.0**
2	26.7	27.2	**0.5**	26.7	27.5	**0.7**

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To reduce the runoff discharge increment, a storage detention system was incorporated to mitigate peak runoff. The detention systems will provide the necessary storage to attenuate the peak runoff so that the pre-development condition discharge will not be surpassed.

According to the proposed condition design data, the stormwater management strategy was centered in incorporating a small detention zone before each discharge zone to provide the storage volume necessary to mitigate the proposed runoff discharge.

Six (6) additional Nodes were incorporated into the model to represent each outflow proposed storage system discharge. Each detention node was simulated as a stage area node. These nodes related to pipes links and a vertical dirt road weir which represents the natural discharge above the proposed road.

The stage-area relation for all proposed ponds is shown in Table 3-9. Table 3-10 shows the inflow and outflow peak flow for proposed storage systems. Table 3-11 and Table 3-12 show the maximum water depth and volume for each discharge nodes. Table 3-13 shows the project site peak flow comparison between existing and proposed condition. The relevant dimensions and characteristics of the proposed detention systems and the outlet control structures are shown in Table 3-14.

According to results, with the assumption of natural grassland herbaceous under the PV Panels, the proposed detention pond systems can control and mitigate the runoff increment of the facility. The maximum water depth range between all discharge point location is from 0.46m (1.5 ft) (Node_7PC) to 0.72m (2.4ft) (Node_2PC). The facility should have a total storage system of 11,641 cubic meters. The Preliminary Ponding zones can be found in Appendix M. Results for proposed condition scenario modeled can be found in Appendix N.

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Table 3-9: Proposed Condition Stage-Area at Detention Pond Nodes

Proposed Ponding Zones					
Node	Stage Elevation		Surface Area		Volume
ID	m	ft	m^2	ac	m^3
Node_1	0.00	0	1214	0.30	0
	0.15	0.5	1619	0.40	216
	0.30	1	2590	0.64	537
	0.61	2	4047	1.00	1548
Node_2	0.00	0	2752	0.68	0
	0.23	0.75	3440	0.85	708
	0.30	1.00	6070	1.50	1070
	0.61	2.00	8094	2.00	3228
Node_4	0.00	0	1214	0.30	0
	0.15	0.5	1619	0.40	216
	0.30	1	2590	0.64	537
	0.61	2	4047	1.00	1548
Node_5	0.00	0	1214	0.30	0
	0.15	0.5	1619	0.40	216
	0.30	1	2590	0.64	537
	0.61	2	4047	1.00	1548
Node_6	0.00	0	2752	0.68	0
	0.23	0.75	3440	0.85	708
	0.30	1.00	6070	1.50	1070
	0.61	2.00	8094	2.00	3228
Node_7	0.00	0	1214	0.30	0
	0.15	0.5	1619	0.40	216
	0.30	1	2590	0.64	537
	0.61	2	4047	1.00	1548

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Table 3-10: Inflow and Outflow Peak Flow for storage system

Node-1-PC					Node-5-PC			
Tr	Inflow		Outflow		Inflow		Outflow	
	Flow (cfs)	Simulation	Flow (cfs)	Simulation	Flow (cfs)	Simulation	Flow (cfs)	Simulation
100	39.3	100-6hr-10%	39.3	100-6hr-10%	87.8	100-6hr-10%	87.8	100-6hr-10%
50	32.8	50-6hr-10%	32.2	50-6hr-10%	74.2	50-6hr-10%	74.1	50-6hr-10%
25	26.7	25yr-6hr-10%	25.2	25yr-6hr-10%	61.2	25yr-6hr-10%	61.1	25yr-6hr-10%
10	19.3	10yr-6hr-10%	18.0	10yr-24hr-90%	45.2	10yr-6hr-10%	45.1	10yr-6hr-10%
5	14.5	5yr-24hr-90%	12.0	5yr-24hr-90%	34.3	5yr-6hr-10%	34.2	5yr-6hr-10%
2	9.1	2yr-24hr-90%	7.6	2yr-24hr-90%	20.9	2yr-6hr-10%	19.8	2yr-24hr-90%
Node-2-PC					**Node-6PC**			
TR	Inflow		Outflow		Inflow		Outflow	
	Flow (cfs)	Simulation	Flow (cfs)	Simulation	Flow (cfs)	Simulation	Flow (cfs)	Simulation
100	126.8	100-24hr-90%	123.9	100-24hr-90%	340.0	100-24hr-90%	335.9	100-24hr-90%
50	104.3	50-24hr-90%	101.5	50-24hr-90%	278.9	50-24hr-90%	275.5	50-24hr-90%
25	82.8	25yr-24hr-90%	80.1	25yr-24hr-90%	220.9	25yr-24hr-90%	217.9	25yr-24hr-90%
10	57.8	10yr-24hr-90%	55.0	10yr-24hr-90%	153.5	10yr-24hr-90%	150.4	10yr-24hr-90%
5	40.9	5yr-24hr-90%	37.7	5yr-24hr-90%	108.0	5yr-24hr-90%	105.3	5yr-24hr-90%
2	21.9	2yr-24hr-90%	11.6	2yr-24hr-10%	57.2	2yr-24hr-90%	54.9	2yr-24hr-90%
Node-4-PC					**Node-7PC**			
Tr	Inflow		Outflow		Inflow		Outflow	
	Flow (cfs)	Simulation	Flow (cfs)	Simulation	Flow (cfs)	Simulation	Flow (cfs)	Simulation
100	123.7	100-24hr-90%	122.9	100-24hr-90%	152.2	100-24hr-90%	151.9	100-24hr-90%
50	103.4	50-24hr-90%	102.9	50-24hr-90%	125.3	50-24hr-90%	125.2	50-24hr-90%
25	83.9	25yr-24hr-90%	83.6	25yr-24hr-90%	99.7	25yr-24hr-90%	99.7	25yr-24hr-90%
10	61.0	10yr-24hr-90%	60.7	10yr-24hr-90%	69.8	10yr-24hr-90%	69.6	10yr-24hr-90%
5	45.2	5yr-24hr-90%	44.9	5yr-24hr-90%	49.5	5yr-24hr-90%	49.4	5yr-24hr-90%
2	26.7	2yr-24hr-90%	26.5	2yr-24hr-90%	26.7	2yr-24hr-90%	26.6	2yr-24hr-90%

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Table 3-11: Maximum Water Depth and Volume - PC

	Node_1PC						
	Water Depth		Surface Area			Volume	
Tr	(ft)	(m)	(ft^2)	(m^2)	(ac)	(m^3)	Simulation
100	1.64	0.50	37891	3520	0.87	1182	100-6hr-10%
50	1.59	0.48	37137	3450	0.85	1133	50-6hr-10%
25	1.53	0.47	36176	3361	0.83	1071	25yr-24hr-90%
10	1.44	0.44	34834	3236	0.80	985	10yr-24hr-90%
5	1.24	0.38	31668	2942	0.73	781	5yr-24hr-90%
2	0.91	0.28	26110	2425	0.60	482	2yr-24hr-90%
	Node_2PC						
	Water Depth		Surface Area			Volume	
Tr	(ft)	(m)	(m^3)	(m^2)	(ac)	(m^3)	Simulation
100	2.37	0.72	95189	8842	2.19	4027.23	100-24hr-90%
50	2.29	0.70	93428	8679	2.14	3852.72	50-24hr-90%
25	2.20	0.67	91484	8498	2.10	3660.08	25yr-24hr-90%
10	2.07	0.63	88664	8236	2.04	3380.64	10yr-24hr-90%
5	1.95	0.59	86106	7999	1.98	3127.15	5yr-24hr-90%
2	1.60	0.49	78343	7278	1.80	2357.88	2yr-24hr-10%
	Node_4PC						
	Water Depth		Surface Area			Volume	
Tr	(ft)	(m)	(m^3)	(m^2)	(ac)	(m^3)	Simulation
100	1.41	0.43	34326	3189	0.79	952.17	100-24hr-90%
50	1.34	0.41	33254	3089	0.76	883.03	50-24hr-90%
25	1.27	0.39	32095	2981	0.74	808.29	25yr-24hr-90%
10	1.16	0.35	30479	2831	0.70	704.07	10yr-24hr-90%
5	1.08	0.33	29133	2706	0.67	617.27	5yr-24hr-90%
2	0.95	0.29	26858	2495	0.62	470.56	2yr-24hr-90%
	Node_5PC						
	Water Depth		Surface Area			Volume	
Tr	(ft)	(m)	(ft^2)	(m^2)	(ac)	(m^3)	Simulation
100	1.88	0.57	41641	3868	0.96	1424	100-6hr-10%
50	1.83	0.56	40932	3802	0.94	1378	50-6hr-10%
25	1.78	0.54	40171	3732	0.92	1329	25yr-6hr-10%
10	1.71	0.52	39068	3629	0.90	1258	10yr-6hr-10%
5	1.65	0.50	38143	3543	0.88	1198	5yr-6hr-10%
2	1.55	0.47	36491	3390	0.84	1092	2yr-24hr-90%

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Table 3-12: Maximum Water Depth and Volume (Continue) - PC

	Node_6PC						
	Water Depth		Surface Area				
Tr	(ft)	(m)	(ft^2)	(m^2)	(ac)		Simulation
100	1.90	0.58	84975	7894	1.95	3015	100-24hr-90%
50	1.79	0.55	82519	7666	1.89	2772	50-24hr-90%
25	1.67	0.51	79850	7418	1.83	2507	25yr-24hr-90%
10	1.49	0.45	76110	7070	1.75	2137	10yr-24hr-90%
5	1.35	0.41	72990	6780	1.68	1827	5yr-24hr-90%
2	1.14	0.35	68299	6345	1.57	1363	2yr-24hr-90%
	Node_7PC						
	Water Depth		Surface Area				
Tr	(ft)	(m)	(ft^2)	(m^2)	(ac)		Simulation
100	1.50	0.46	35704	3317	0.82	1041	100-24hr-90%
50	1.42	0.43	34442	3199	0.79	960	50-24hr-90%
25	1.33	0.41	33071	3072	0.76	871	25yr-24hr-90%
10	1.21	0.37	31150	2894	0.72	747	10yr-24hr-90%
5	1.11	0.34	29544	2744	0.68	644	5yr-24hr-90%
2	0.95	0.29	26871	2496	0.62	506	2yr-24hr-90%

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Table 3-13: Peak flow comparison between EC and PC with Storage Zones

Tr	Pre-developed Flow Max (cfs)	Post-developed Outflow Max (cfs)	Post vs Pre (cfs)	Pre-developed Flow Max (cfs)	Post-developed Outflow Max (cfs)	Post vs Pre (cfs)
	Node-1	**Node_1PC**		**Node-5**	**Node_5PC**	
100	39.3	39.3	**0.0**	87.8	87.8	**0.0**
50	32.8	32.2	**-0.5**	74.2	74.1	**-0.1**
25	26.7	25.2	**-1.5**	61.2	61.1	**-0.1**
10	19.3	18.0	**-1.3**	45.2	45.1	**-0.1**
5	14.5	12.0	**-2.6**	34.3	34.2	**-0.1**
2	9.1	7.6	**-1.6**	20.9	19.8	**-1.1**
	Node-2	**Node_2PC**		**Node-6**	**Node_6PC**	
100	126.8	123.9	**-3.0**	340.0	335.9	**-4.1**
50	104.3	101.5	**-2.8**	278.9	275.5	**-3.4**
25	82.8	80.1	**-2.7**	220.9	217.9	**-3.0**
10	57.8	55.0	**-2.8**	153.5	150.4	**-3.0**
5	40.9	37.7	**-3.2**	108.0	105.3	**-2.7**
2	21.9	11.6	**-10.3**	57.2	54.9	**-2.3**
	Node_4	**Node_4PC**		**Node_7**	**Node_7PC**	
100	123.7	122.9	**-0.7**	152.2	151.9	**-0.3**
50	103.4	102.9	**-0.5**	125.3	125.2	**-0.1**
25	83.9	83.6	**-0.3**	99.7	99.7	**0.0**
10	61.0	60.7	**-0.4**	69.8	69.6	**-0.1**
5	45.2	44.9	**-0.3**	49.5	49.4	**-0.1**
2	26.7	26.5	**-0.2**	26.7	26.6	**-0.1**

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Table 3-14: Relevant characteristics of the proposed ponding zone discharge

	Node_1PC	Node_2PC	Node_4PC	Node_5PC	Node_6PC	Node_7PC
Pond IE (m)	9.10	7.64	5.64	6.50	6.51	9.00
Max WD (m)	0.50	0.72	0.43	0.57	0.58	0.46
Discharge Pipes	4x12in	3x12in	3x12in	2x12in	3x12in	3x12in
Max Volume (m^3)	1182	4027	952	1424	3015	1041
Weir Discharge						
width (ft)	4.0	5.0	5.0	4.0	5.0	5.0
Left & Right slope (h/v)	100	50	50	100	50	50
Weir IE (m)	9.5	8.1	6.0	6.8	7.0	9.5

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4 CONCLUSIONS AND RECOMMENDATIONS

The hydrologic analysis determined the runoff that will be generated under existing and proposed conditions considering the proposed photovoltaic project development. The following conclusions and recommendations can be provided from the analyses:

- In this preliminary analysis, the land cover under the proposed PV panels was assumed as existing grassland herbaceous and the roads were assumed as dirty road ground. If the land cover under PV panels or road access changes, the study shall be reviewed.
- According to hydrologic results all nodes have a small runoff discharge increment, with a range of 0.3 cfs to 1.7 cfs depending on the node location and storm event. This increment is due to the increment in CN values in comparison with the existing condition.
- To manage the 100-yr outflow increment for the project, small detention zones were incorporated before each discharge zone to provide the storage volume necessary to mitigate the proposed runoff discharge. These storage zones have a depth range between 0.46 to 0.72 ft.
- The pond discharge structure is different for each discharge zone. For Node_1, the ponding zone discharge is by 4 pipes of 12-inch, for Node_2, Node_5, 6 and 7 discharges by 3 pipes of 12-inch and the Node_4 discharges by 2 pipes of 12-inch. All flow pipes discharge has a minimum slope of 1.0%.
- Additional to pipes discharge, each pond zones discharge by horizontal weir with elevation between 1.27 ft and 1.50 ft above invert terrain elevation which represent a natural discharge over proposed dirt road and dike (see Table 3-14).
- Storm water system design must be based on the drainage areas established on this report under proposed conditions and outflow locations.
- It can be concluded that if all the assumptions and recommendations provided in this report are fulfilled, the proposed project will be in compliance with the storm water management requirements of the “Reglamento Conjunto de Permisos para Obras de Construcción y Uso de Terrenos”, PRPB Regulation Num. 34 (JPPR-2015), Regulation 13 and the applicable requirements of the “Guías para la Eleboración de Estudios HH” (JPPR-2016).

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5 Certification

I hereby certify that the information included on this report was performed using the best engineering practices applicable to the project as described herein and based on field observations.

Related to this report, I certify that to the best of my knowledge, the information included on this document is truthful, correct, and complete.

Pedro M. García Campos, MSCE, PE

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6 References

1. Puerto Rico Planning Board. Planning Regulation Num. 13.
2. Puerto Rico Planning Board. "Guías para la Elaboración de Estudios Hidrológicos-Hidráulicos: (June 2016)
3. FEMA, Flood Insurance Study of the Commonwealth of Puerto Rico, Nov 18, 2009.
4. FEMA Puerto Rico Advisory Base Flood Elevation Report, (2018)
5. FEMA, Certification Requirements for Simple Encroachment.
6. Gupta, R.S. Hydrologic and Hydraulic System. Prentice Hall Inc. (1989)
7. Commonwealth of Puerto Rico QL2 LiDAR by USGS, December 28, 2017
8. FEMA - Guidance for Flood Risk Analysis and Mapping "Elevation Guidance", May 2016
9. Hydraulic Engineering Circular No. 18 (HEC-18) – Evaluating Scour at Bridges Fifth Edition, April 2012

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7 Appendices

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Appendix A: Location Map

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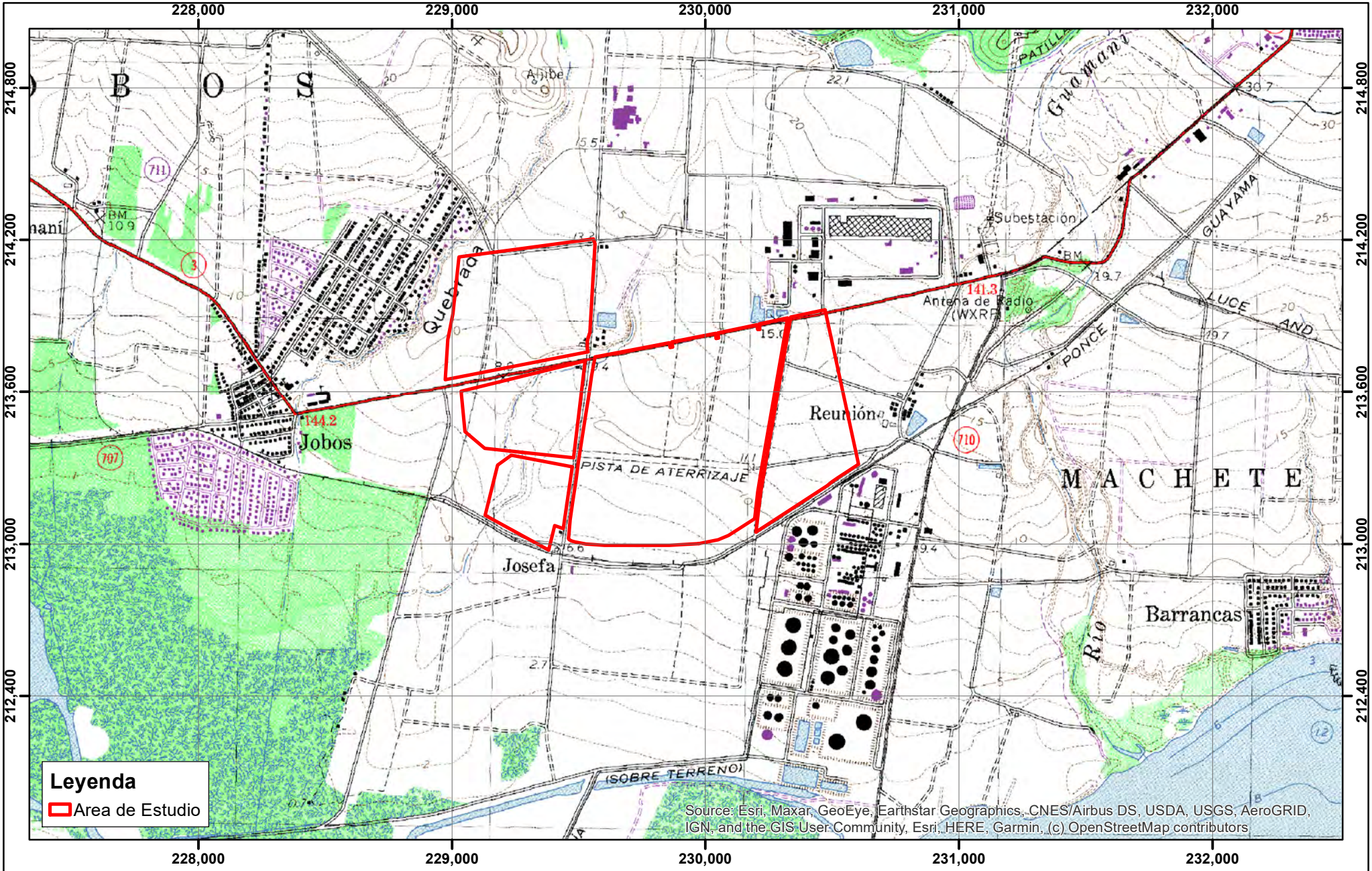
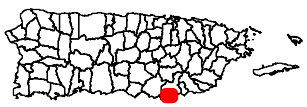


Coordinate System: NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200 | Units: Meter

1:20,000

490 245 0 490 Meters



Localización

AES Jobos- PV, Guayama, P.R.

N W E S

Date: 5/12/2021

PMG AND ASSOCIATES

Document Path: M:\29408-AES-Jobos-Guayama\GIS\MXD\Jobos\29408_Jobos.LOC-A.mxd

Appendix B: Topographic Data

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USGS LiDAR Topographic Map

SCALE= 1:500

CERTIFICO QUE SO Y EL PROFESIONAL QUE CONFECCIONÓ Y/O DISEÑÓ Y/O PREPARO ESTOS PLANOS Y LAS ESPECIF ICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGEN CIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MÍ, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PMG AND ASSOCIATES
ENGINEERING DESIGN & CONSULTING
#12 ACOSTA CAGUAS,PR 00726
787.643.4761 INFO@PMGGROUPLLC.COM

AES Jobos PV SITE
PR-3, km 143 Jobos Ward, Guayama PR.

PLOT DATE AND TIME:5/17/2021 1:42 PM

NO.	REVISION	DATE
0		00/00/0000

SCALE: AS NOTED

CHECK BY:	DRAW BY:
P.GARCIA	L.MALAVE

PREPARED FOR:

ADD OWNER

PAGE TITLE:

USGS LiDAR Topographic Map

SHEET:

FILE:M:\29408-AES-Jobos-Guayama\CAD\WORK\29408-AES-JobosHH-Lidar.dwg

Appendix C: Proposed Site Plan

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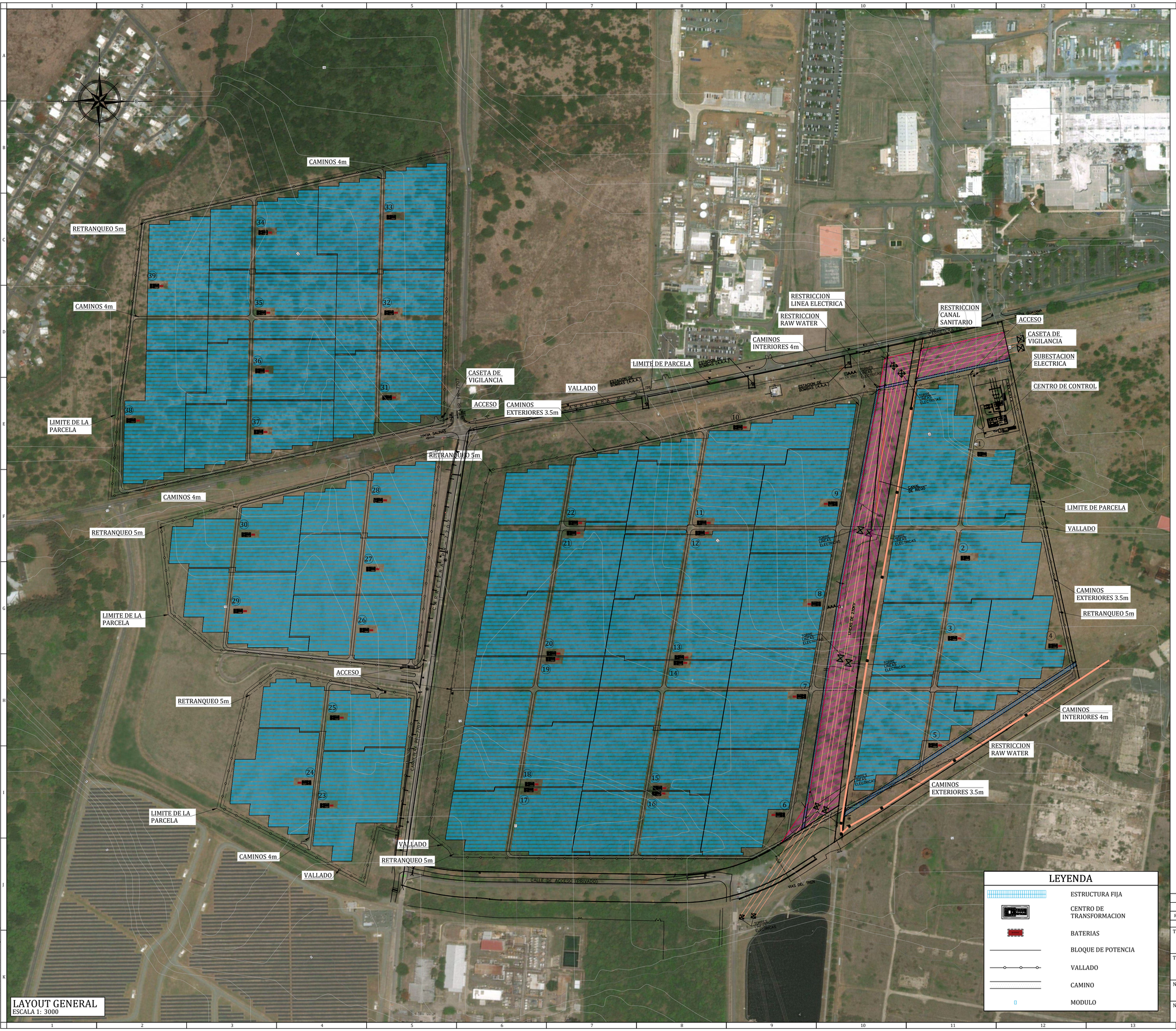
PARA INFORMACIÓN. NO APROBADO PARA CONSTRUCCIÓN



LAYOUT GENERAL
ESCALA 1: 3000

RESUMEN DE PLANTA FV ILUMINA II

Potencia Nominal en POI: 100,000.0 kWn
Potencia Pico: 123,745.5 kWp
Ratio DC/AC @ POI: 1.24
Potencia Inversores FV: 103,560.0 kVA @ 30°C
Potencia Inversores BESS: 46,031.76 kVA @ 30 °C
39 Centros de Transformación
33 BESS 737.28 kWh @BOL
39 Transformador 4,300 kVA 34.5 kV/0.630 kV
33 Inversor GPTech 3MWD3-V630-3,836 kVA PV+BESS
6 Inversor GPTech 3MWD3-V630-3,836 kVA PV
3,855 Mesas (2V) 30 módulos por fila
231,300 Módulos Longi Solar LR5-72HPH-535M
Tilt: 10°
Pitch: 6.5 m
Superficie: 114.54 ha
Perímetro: 7,939 m

COORDENADAS UTM

País: Puerto Rico Datum: WGS84
Latitud: 1987621.75 m N Huso: 19 Q
Longitud: 802152.92 m E
Altitud: 16 m

DESCRIPCIÓN DE LA ESTRUCTURA

Mesas de 30 módulos por fila (2V)
3,855 Unidades totales
32.1 kWp Potencia Pico
2 Filas con 30 módulos por fila
60 Módulos Longi Solar LR5-72HPH-535M
(Strings de 30 módulos en serie)

DESCRIPCIÓN DE BLOQUES

Bloque I: [2] CT1 & CT2
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 4,429.8 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV
138 Mesas (2V) 30 módulos por fila
8,280 Módulos Longi Solar LR5-72HPH-535M

Bloque II: [5] CT3, CT4, CT5, CT23 & CT25
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 2,953.2 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 737.28 kWh @ BOL
92 Mesas (2V) 30 módulos por fila
5,520 Módulos Longi Solar LR5-72HPH-535M

Bloque III: [16] CT6, CT7, CT8, ... CT20, CT21 & CT22
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 3,145.8 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 737.28 kWh @ BOL
98 Mesas (2V) 30 módulos por fila
5,880 Módulos Longi Solar LR5-72HPH-535M

Bloque IV: [1] CT10
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 2,889.0 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 737.28 kWh @ BOL
90 Mesas (2V) 30 módulos por fila
5,400 Módulos Longi Solar LR5-72HPH-535M

Bloque V: [1] CT24
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 2,760.6 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 1
86 Mesas (2V) 30 módulos por fila
5,160 Módulos Longi Solar LR5-72HPH-535M

Bloque VI: [4] CT26, CT27, CT28 & CT29
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 2,921.1 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 737.28 kWh @ BOL
91 Mesas (2V) 30 módulos por fila
5,460 Módulos Longi Solar LR5-72HPH-535M

Bloque VII: [1] CT30
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 2,856.9 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 737.28 kWh @ BOL
89 Mesas (2V) 30 módulos por fila
5,340 Módulos Longi Solar LR5-72HPH-535M

Bloque VIII: [8] CT31, CT32, CT34, ..., CT37, CT38 & CT39
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 3,113.7 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV+BESS
1 BESS 737.28 kWh @ BOL
97 Mesas (2V) 30 módulos por fila
5,820 Módulos Longi Solar LR5-72HPH-535M

Bloque IX: [1] CT33
Potencia Nominal: 3,836.0 kWn @ 30 °C
Potencia Pico: 4,686.6 kWp
1 Inversor GPTech 3MWD3-HV630-3,836 kVA PV
146 Mesas (2V) 30 módulos por fila
8,760 Módulos Longi Solar LR5-72HPH-535M

LEYENDA

- ESTRUCTURA FIJA
- CENTRO DE TRANSFORMACION
- BATERIAS
- BLOQUE DE POTENCIA
- VALLADO
- CAMINO
- MODULO

REV.	FECHA	DESCRIPCION	REALIZADO	COMPROBADO	APROBADO
01	29/03/2021	ADICION DE PREDIOS	V.M.P.S.	P.M.G.D.	A.V.F.
00	22/03/2021	INICIAL	V.M.P.S.	P.M.G.D.	A.V.F.

TÍTULO DE PROYECTO:
PLANTA FV ILUMINA II 100.0 MWn, EN PUERTO RICO

TÍTULO DE PLANO: LAYOUT GENERAL

CLIENTE: AES we are the energy

NÚMERO DE PROYECTO: IOES.1158001.00

ESCALA: 1:3000 (A1)

NÚMERO DE PLANO: P-102.0-GD

HOJA: 1 de 1

ENERTIS

IOES.1158001.00-P-102-GD-LAYOUT GENERAL v1.dwg

Appendix D: FEMA FIS-09 Study section for this study

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TABLE OF CONTENTS - continued

Table of Contents – Volume 5

EXHIBITS – continued

TABLE 2 - FLOODING SOURCES STUDIED BY DETAILED METHODS – continued

Río de la Plata (at Comerio)
Río de la Plata (at Cayey)
Río de la Plata Tributary No. 1
Río Guavate
Quebrada Santo Domingo
Río de Aibonito Tributary No. 1
Río Guadiana

Río Grande de Loíza Basin
Río Grande de Loíza Reaches 1 and 2
Río Cañovanas
Río Cañovanillas
Quebrada Cambute
Río Gurabo
Río Valenciano
Río Bairoa
Quebrada Muertos
Quebrada Algarrobo
Río Caguitas
Río Caguitas Tributary 1
Río Caguitas Tributary 2
Río Turabo
Río Herrera
Río Canaboncito

Río Anton Ruíz Basin
Río Anton Ruíz
Quebrada Mambiche
Quebrada de las Mulas

Río Daguao Basin
Río Daguao
Quebrada Aguas Claras
Quebrada Aguas Claras Tributary
Quebrada Ceiba

Río Humacao Basin
Río Humacao
Quebrada Mabu
Quebrada Mariana
Quebrada Mariana Tributary

Río Guanajibo Basin
Río Guanajibo
Quebrada Honda
Río Cruces
Quebrada Mendoza
Quebrada Las Tunas
Concepción Channel
Quebrada Pileta

Lajas Valley Basin
Río Loco

Río Yauco Basin
Río Yauco
Quebrada Berrenchin
Quebrada Berrenchin Tributary No. 1

Río Guayanilla Basin
Río Guayanilla
Río Macana

Río Tallaboa Basin
Río Tallaboa
Río Guayanes

Río Matilde Basin
Río Matilde
Río Cañas
Río Pastillo
Quebrada del Agua

Río Jacaguas Basin
Río Jacaguas
Río Jacaguas (at Villalba)
Río Inabon
Río Guayo
Canal de Juana Díaz

Río Coamo Basin
Río Coamo (at Velazsquez)
Río Coamo (at Paso Seco)
Río Descalabrado

Río Majada Basin
Río Nigua

Río Grande de Patillas and Río Guamani Basin
Río Grande de Patillas
Quebrada Mamey
Río Nigua (at Arroyo)
Río Nigua (at Pitahaya)
Río Guamani
Río Melania
Río Seco

Río Maunabo Basin
Río Maunabo
Quebrada Arenas
Quebrada Branderi
Río Jacaboa

Quebrada Mamey originates in the foothills of the Cordillera Central and flows parallel to Río Grande de Patillas to its mouth at Río Chico.

Río Nigua flows south from the Cordillera Central through the Town of Arroyo and empties into the Caribbean Sea. Its drainage area lies within the Municipality of Arroyo. The topography of the basin is characterized by a gently sloping plain near the coast and extremely hilly uplands. The land area of the upland portion of the basin is approximately 19.1 square kilometers. The main tributaries of Río Nigua are Quebrada Jacana, Quebrada Palmarejo, and Quebrada Majagual. Quebrada Antigues is a tributary to Quebrada Jacana and originates at Cerro Tombrado at an elevation of 751 meters.

Río Guamani originates on the southern slopes of Sierra de Cayey in the southeastern part of the Cordillera Central and flows in a southern direction into the Caribbean Sea.

Río Melania rises in the foothills of the Cordillera Central and flows southward into a mangrove swamp at Bahia de Jobos.

Río Seco originates in the foothills of the Cordillera Central and flows southward into the Caribbean Sea at Bahia de Jobos.

The headwaters of these streams exhibit extremely steep slopes and narrow channels. They flow from the mountains through rugged topography into the alluvial fans of the lower floodplains before reaching the Caribbean Sea.

The Pueblo of Patillas is located approximately 50 kilometers south of San Juan. It lies in a narrow valley of approximately 3 square kilometers. The valley is surrounded by mountains with high peaks and features rolling hills in the lower part near the coastal plain. The valley topography is gentle.

The Town of Arroyo is located on the coast approximately 52 kilometers south of San Juan and is bordered on the south by the Caribbean Sea. Pitahaya, a barrio of Arroyo, is located approximately 3.5 kilometers north of Arroyo. Arroyo and Pitahaya are located on the eastern edge of the Ponce-Patillas alluvial plain and feature a semiarid climate.

The Town of Guayama is located approximately 52 kilometers south of San Juan in the southern coastal lowlands. Guayama lies in the southeastern Ponce-Patillas alluvial plain, which is probably the most fertile land on the island. The economy, which a few years ago was agricultural, is at present predominantly industrial. A petrochemical complex and light industry are absorbing the labor force in Guayama and the adjacent communities. The land that was mostly planted with sugar cane is now used for pasture and small crops.

The Villages of Jobos and Villodas are located within the Municipality of Guayama. Jobos is located approximately 4.7 kilometers southwest of the Town of Guayama. Villodas lies approximately 2.0 kilometers northwest of Jobos.

years, respectively. The peak discharge of the October 1970 flood was 164 cms at Pitahaya. Sufficient data are unavailable to determine the 1957 flood flow.

The main source of flooding in the urban area of Guyama is Río Guamani. According to historical data and records of USGS gaging station No. 50095500, the first and second highest floods occurred in the 43-year period from 1928 to 1970. The highest flood occurred on August 27, 1961, with a discharge of 566 cms, and the second highest occurred on October 6, 1970, with a discharge of 156 cms.

The main source of flooding in Jobos is Río Melania, which is an intermittent stream with a poorly defined channel. The October 1970 flood, which caused shallow inundation of a large part of the community of Jobos, was only slightly higher than the August 1961 flood, as shown in USGS Hydrologic Investigations Atlas HA-446 (HA-446, Floods in Guayama Area, Puerto Rico, DOI, 1971).

Río Seco is an intermittent stream with a deep, well-defined channel upstream of PR Highway 3 and a poorly defined channel downstream of the highway. Major floods occurred in 1928, 1961, and 1970. The historical data available in Hydrologic Investigations Atlas HA-446 show the August 1961 and October 1970 floods as the first and second highest floods since 1928. Based on these data, the recurrence intervals for the 1928, 1961, and 1970 floods would be approximately 50, 25, and 12 years, respectively.

Río Maunabo Basin

Floods on Río Maunabo occurred in August 1935, September 1954, and October 1970. The September 1954 flood was the flood of record. The peak discharge of Río Maunabo at the inland edge of the alluvium during the flood of October 1970 was 7,400 cfs. At a site farther downstream in the valley, a peak discharge of 4,900 cfs was determined, indicating the attenuation of flood flow produced by temporary storage in the lower valley. High watermarks at various locations along Río Maunabo for the August 1935 and October 1970 floods were obtained by the USGS. The approximate inundated area and flood profiles for the 1935 and 1970 floods were published in the 1971 USGS Hydrologic Investigations Atlas HA-445 (HA-445, Floods in Patillas-Maunabo Area, Puerto Rico, DOI, 1971). Information on the recurrence frequency of past floods on Río Maunabo is not available.

The flood of record for Río Jacaboa occurred in October 1970. Information on the flood discharge and recurrence frequency is not available. High watermarks at various locations along Río Jacaboa were obtained by the USGS. The approximate inundated area and a flood profile were published in the 1971 USGS Hydrologic Investigation Atlas HA-445 (HA-445, Floods in Patillas-Maunabo Area, Puerto Rico, DOI, 1971).

from the drainage area of the Río Tao Vaca and has a storage capacity of 6,277 hectare-meters, much greater than the annual runoff from Río Tao Vaca. The storage capacities of the Guyabal and Toa Vaca Dams are not used for flood control (USACE, August 1974).

Río Grande de Patillas and Río Guamani Basin

There is one dam and reservoir on Río Grande de Patillas. Lago de Patillas is located approximately 1.5 kilometers north of Patillas with a total storage capacity of 15 cubic hectometers. The water is diverted through Canal de Patillas for irrigation. Because of the means of water use, it is not possible to predict to what extent the storage availability of the reservoir would attenuate the effects of a flood. The dam has a fixed crest spillway and has little or no effect on floods of high magnitude such as the 1- and 0.2-percent annual chance floods.

Lago Carite, a reservoir located on the extreme headwaters of Río de la Plata, has a drainage area of approximately 13 square kilometers and a storage capacity of 13.9 cubic hectometers. It diverts water into Río Guamani for hydropower generation. The water diverted into Río Guamani is restricted to the capacity of the tunnels, 1.2 meters wide by 1.8 meters high, and will have a negligible effect on flood peaks. Based on these facts, the drainage area upstream of Lago Carite was not included in the computation for the discharge of Río Guamani.

Levees have been constructed surrounding an oil refinery and satellite plants on the west overbank of Río Guamani. It is anticipated that these levees can provide protection against floods of a magnitude of 500 years.

Lago Melania, a small reservoir in the Río Melania Basin, is located near the inland edge of the coastal plain. It is partially silted and does not have the storage capacity to have more than a negligible effect on floods.

The partial channelization of Quebrada Mamey in the Town of Patillas does not offer any protection against major floods.

This revision reflects an earthen levee, constructed by the USACE, which is approximately 5,200 meters long, around the Town of Barceloneta. In addition, approximately 3,190 meters of Río Grande de Manati channel was relocated and the flow redirected through a newly constructed channel 1,550 meters long. The levee construction was physically completed in August 2007. However, certified plans and other information necessary to certify the levee as giving protection against the 1-percent annual chance flood are not available as of the date of this publication.

3.0 ENGINEERING METHODS

For the flooding sources studied in detail in Puerto Rico, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this

A USGS regional flood frequency report was used to determine flood frequencies up to 100 years for Río Grande de Patillas, Quebrada Mamey, Río Melania, and Río Seco (DOI, et al, 1979). The regional flood-frequency report was based on a log-Pearson Type III analyses of individual station records (Water Resources Council, 1976). Regionalization was developed using multiple-regression techniques. Discharges for 0.2-percent annual chance floods were determined by extrapolation of a log-probability graph of the flood discharges computed for frequencies up to the 1-percent annual chance recurrence interval.

The Río Grande de Patillas watershed, near Patillas, was modeled to determine the curve number for Río Nigua, because of a lack of streamflow data for Río Nigua (at Arroyo). It was assumed that the characteristics of the Río Nigua watershed are similar to those of the Río Grande de Patillas watershed. The precipitation data for the 10-, 2-, and 1-percent annual chance storms were calculated using Weather Bureau Technical Paper No. 40 (Rainfall Frequency Atlas of the United States, DOC, 1963). Hourly rainfall increments were obtained from Weather Bureau Technical Paper 42 and were arranged in the order that produced the most conservative estimate of runoff (DOC, 1961). The hourly increments for a 24-hour probable maximum precipitation of 40 inches produced the most critical runoff. The runoff for the watershed was computed using SCS curve numbers. The determination of the antecedent moisture conditions was computed using the 5-day total antecedent rainfall. It was assumed that the 1-percent annual chance storm would occur under wet conditions, the 2-percent annual chance storm under normal conditions, and the 10- and 20-percent annual chance recurrence interval storms under dry conditions.

June 2, 1999, Revision

For the 1999 revision, stream gage records for the Río Matilde, Río Cañas, Río Pastillo, and Quebrada del Agua in the study area were not available. The study incorporated a review of rainfall data and analysis of gage records in adjacent and surrounding basins. The detail study area was divided into four (4) contributing subbasins—the Río Matilde, Quebrada del Agua, Río Pastillo, and Río Cañas. The 10-, 2-, and 1-percent annual chance recurrence interval inflows to the floodplain were developed using a rainfall-frequency relationship and unit hydrographs. The rainfall frequency-duration relationships were derived from Technical Paper 42 (DOC, 1961). The computations for unit hydrograph development were carried out using the computer program HEC-1 (USACE, 1990). The 0.2-percent annual chance discharge was determined by extrapolating the frequency curve of a plot of the 10-, 4-, 2-, and 1-percent annual chance flows.

The drainage area-peak discharge relationships for the Río Espíritu Santo, Río Grande, Río Grande de Jayuya, Río Zamas, and Río Caricaboa are shown in Figure 1, “Frequency-Discharge Drainage Area Curves.”

TABLE 4 - SUMMARY OF DISCHARGES - continued

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. kilometers)	PEAK DISCHARGES (cms) 10-PERCENT	2-PERCENT	1-PERCENT	0.2-PERCENT
RÍO GUAMANI					
At mouth	33.26	536	791	907	1,179
At Camino Pozo Hondo	24.53	552	813	934	1,214
At PR Highway 15	22.25	502	732	850	1,105
At PR Highway 179	19.45	483	702	820	1,066
At upstream limit of detailed study	10.83	337	490	573	745
RÍO MELANIA					
At cross section A	6.4	59	154	218	425
RÍO SECO					
At cross section A	28.8	139	363	513	991
RÍO MAUNABO					
At mouth	48.4	620	880	1,010	1,370
Approximately 7.27 kilometers above mouth	22.5	310	434	500	680
QUEBRADA ARENAS					
Approximately 0.80 kilometer above mouth	6.5	120	170	190	260
Approximately 2.68 kilometers above mouth	2.8	80	110	120	160
QUEBRADA BRANDERI					
At a point approximately 1.14 kilometers downstream of PR Highway 744	0.33	*	*	59.1	*
RÍO JACABOA					
At mouth	13.2	280	390	440	600
Approximately 3.1 kilometers above mouth	7.0	160	220	250	340
RÍO GUAYANES					
At mouth	132.80	1,304	2,959	3,863	6,653
Approximately 2.35 kilometers above mouth	124.78	1,252	2,832	3,693	6,352
Approximately 3.75 kilometers above mouth	109.60	1,148	2,578	3,357	5,758
Downstream of PR Highway 3	90.53	978	2,129	2,745	4,626
At PR Highway 3	84.33	934	2,026	2,610	4,391
Downstream of confluence of Río Limones	80.21	904	1,956	2,518	4,232
Upstream of confluence of Río Limones	52.50	646	1,342	1,706	2,806
At PR Highway 182	46.36	595	1,228	1,559	2,556

*Data not computed

Berrenchin Tributary No. 1 were obtained from field surveys (Storm Tide-Frequency Analysis for the Coast of Puerto Rico, DOC, 1975).

Cross sections for Río Coamo (at Paso Seco) and Río Descalabrado were obtained from conventional surveying techniques. Topographic maps at a scale of 1:20,000, with contour intervals of 1, 5, or 10 meters were used to extend the overbank areas of some cross sections (7.5-Minute Series, Topographic Maps, DOI, 1957, etc.).

Cross sections for Río Loco were obtained from field and aerial surveys (Aerial Photography for Lajas and Majada Basins, Cardan Mapping Systems Corporation, 1981).

Cross sections for Río Grande de Loíza Reach 1 downstream of PR Highway 3, Río Cañovanas, Río Cañovanillas, Quebrada Muertos, Río Caguitas Tributary 1, Río Caguitas Tributary 2, and Río Herrera were obtained from field surveys.

Cross-section data for Quebrada Mendoza, Quebrada Las Tunas, Concepción Channel, and Quebrada Pileta were obtained from aerial photographs and by conventional surveying methods (Aerial Photographs, Mark Hurd Aerial Survey, 1978). Along certain portions Quebrada Mendoza, and Quebrada Las Tunas, a profile base line is shown on the maps to represent channel distances as indicated on the flood profiles and floodway data tables. These lines are intended to show the paths that flood flows will take in a flood event when the natural channels are overtopped.

Cross sections for Río Espíritu Santo, Río Grande, Río Grande de Arecibo, Caño Tiburones, Río Cibuco, Río Indio, Río de Los Negros, Río Morovis, Río Guaynabo, Río Hondo, Quebrada Santa Catalina, Río Yaguez at Mayaguez, Río Tallaboa, Río Guayanes (Río Tallaboa Basin), Río Grande de Patillas, Quebrada Mamey, Río Melania, and Río Seco were field surveyed and were located at close intervals above and below bridges to compute the significant backwater effects of these structures in the highly urbanized areas.

Cross sections for Río Guayabo, Río Culebra, Caño Guayabo, and the Unnamed Stream in Río Culebrinas Basin were obtained from topographic maps and field survey.

All bridges, dams, and culverts were field surveyed to obtain elevation data and structural geometry.

Water-Surface Elevations

The following water-surface elevations were determined using the USACE HEC-2 step-backwater computer program (HEC-2 Water Surface Profiles, Users Manual, USACE, Hydraulic Engineering Center, 1984):

Quebrada Mamey, Río Guamani, Río Melania, Río Seco, Río de la Plata (at Toa Alta), Río de la Plata (at Comerio), and Río de la Plata (at Cayey) were computed using the USGS J635 step-backwater computer program (DOI, 1977). For reaches where the flow was found to be critical or supercritical, the flow was routed downstream by the J635 computer program using supercritical-flow, step-backwater techniques to determine the water-surface elevation. This elevation was used to determine the sequent-depth, subcritical flow elevation for the selected discharge of the cross section. Thus, the final profiles for the selected recurrence intervals are for subcritical flow conditions.

The hydraulic model for Río Grande de Patillas was calibrated to historic information for the 1961 flood. The hydraulic models for Río Melania were calibrated to historic information for the 1970 flood. The hydraulic model for Río Seco was calibrated to historic information for the 1928, 1961, and 1970 floods.

Average shallow flooding depths for Río Melania were determined from the results of the preliminary J635 computer analysis (DOI, 1977). However, because of shallow flooding depths, topography, and complex urban development, standard step-backwater computations were judged to be inappropriate for determining detailed flood elevations and boundaries in this area. For Río Melania, the preliminary hydraulic analyses showed the difference between the 10- and 1-percent annual chance floods to be small through the shallow flooding reach. Hydrologic Investigation Atlas HA-446 provides historic data for the 1970 flood, which had a recurrence interval estimated at slightly less than 10 years (HA-446, DOI, 1971).

Water-surface profiles for Río Yauguez (at Mayaguez) were developed using the USGS J635 step-backwater computer program (DOI, 1977). Flood profiles were drawn showing computed water-surface elevations for floods of the selected recurrence intervals upstream of PR Highway 2. Downstream of PR Highway 2, the floodwaters spread in all directions through streets, passages between houses, and buildings, with a depth of 0.9 meter or less. Shallow flooding zones were assigned to this area.

High watermarks were recovered from floods in 1928, 1960, and 1970 on Río de la Plata (at Comerio). However, only those from the 1960 flood defined a useful reach to compare with the computed profiles. The peak discharge over the spillway at the Comerio Dam for the September 6, 1960, flood was computed as 2,900 cms. The profiles of the 1960 flood compare well with the computed 1-percent annual chance profiles using a discharge of 2,830 cms.

Río Yaguez, Quebrada Sabalos, and Caño Majagual contribute to substantial flooding north of Villa del Oeste, San Jose, and Brisas del Mar. This flooding is partially separated from the main floodplain at Río Guanajibo by an elevated road (Calle Duarte). Water-surface elevations are continuous across both areas however due to a bridge opening that allows floodwaters to mix between the two floodplains.

Starting water-surface elevations for Río Hondo, and Río Herrera were based on the computed water-surface elevations at the Atlantic Ocean from a NOAA publication (DOC, 1975).

Starting water-surface elevations for Río Guaynabo, Quebrada Santa Catalina, Río Cañovanas, Río Cañovanillas, Quebrada Muertos, Río Caguitas Tributary 1, and Río Caguitas Tributary 2, were based on the computed water-surface elevations of the receiving stream.

The starting water-surface elevations for Río Yaguez were determined by a rating analysis of the controlling features of PR Highway 2. Three distinct segments were identified by their hydraulic conditions and analyzed separately. The three segments are as follows:

Main channel - The main channel is enclosed in vertical concrete walls above ground level. Channel capacity studies show that the 10-year flood is contained within the channel, and that at some point between the 10- and 50-year floods it will overtop the channel. The maximum capacity of the channel at the PR Highway 2 bridge is approximately 425 cms.

Calle Mendez Vigo Overpass - The opening between the PR Highway 2 embankment and the natural topography creates a narrow constriction approximately 122 meters wide where, during large floods, critical flow occurs.

PR Highway 2 overflows in the vicinity of main channel - Overflow will occur at an elevation of approximately 7.3 meters. The computation for this flow was accomplished using the highway profile section. It should be considered an estimate based on the complexity caused by handrails, guardrails, median dividers, and varying roadway elevations.

Starting water-surface elevations for Río Loco, Río Tallaboa, Río Maunabo, Río Jacaboa, and Río Nigua (Río Majada Basin) downstream of PR Highway 52, were based on the computed water-surface elevations at the Caribbean Sea from a NOAA publication (DOC, 1975). Starting water-surface elevations for Río Nigua (Río Majada Basin) upstream of PR Highway 52 were based on a slope/area calculation, and the results were calibrated of the SWMM model.

Starting water-surface elevations for Quebrada Arenas were based on the computed water-surface elevation at the end of influence from Río Maunabo.

Starting water-surface elevations for Río de la Plata (at Comerio), Río de la Plata (at Cayey), Río de la Plata Tributary No. 1, Río Guavate, Quebrada Santo Domingo, Río Guadiana, Río Descalabrado, Río Grande de Patillas, Quebrada Mamey, Río Melania, and Río Seco were determined using the slope/area method and adjusted by convergence patterns of the profiles obtained from J635 step-backwater computations (DOI, 1977). For Río de Aibonito Tributary No. 1, starting water-surface elevations were determined by means of a convergence

TABLE 5 - ROUGHNESS COEFFICIENTS – continued

Stream	Channel "n"	Overbank "n"
Río Nigua (at Arroyo)	0.035-0.045	0.065-0.200
Río Nigua (at Pitahaya)	0.035-0.045	0.065-0.200
Río Guamani	0.040-0.060	0.070-0.100
Río Melania	0.040-0.100	0.050-0.350
Río Seco	0.040-0.100	0.050-0.350
Río Guayanes (Río Guayanes Basin)	0.040	0.100
Río Limones	0.045	0.100
Río Maunabo	0.030-0.045	0.150-0.200
Quebrada Arenas	0.030-0.045	0.150-0.200
Río Jacaboa 0.030-0.045	0.150-0.200	

All elevations are referenced to MSL. Qualifying bench marks within a given jurisdiction that are cataloged by the National Geodetic Survey (NGS) and entered into the National Spatial Reference System (NSRS) as First or Second Order Vertical and have a vertical stability classification of A, B, or C are shown and labeled on the FIRM with their 6-character NSRS Permanent Identifier.

Bench marks cataloged by the NGS and entered into the NSRS vary widely in vertical stability classification. NSRS vertical stability classifications are as follows:

- Stability A: Monuments of the most reliable nature, expected to hold position/elevation well (e.g., mounted in bedrock)
- Stability B: Monuments which generally hold their position/elevation well (e.g., concrete bridge abutment)
- Stability C: Monuments which may be affected by surface ground movements (e.g., concrete monument below frost line)
- Stability D: Mark of questionable or unknown vertical stability (e.g., concrete monument above frost line, or steel witness post)

In addition to NSRS bench marks, the FIRM may also show vertical control monuments established by a local jurisdiction; these monuments will be shown on the FIRM with the appropriate designations. Local monuments will only be placed on the FIRM if the community has requested that they be included, and if the monuments meet the aforementioned inclusion criteria.

To obtain current elevation, description, and/or location information for bench marks shown on the FIRM for this jurisdiction, please contact the Information Services Branch of the NGS at (301) 713-3242, or visit their Web site at www.ngs.noaa.gov.

Wave Action Effects Associated with Storm Surges, National Academy of Sciences; Southern Resources Mapping Corporation, 1987-1989; DOI, 1970; Topographic Maps, Martin Peña Navigation Channel, USACE, 1985; Aerial Photographs, Río Culebrinas Basin, Puerto Rico, Continental Aerial Surveys, November 1978; Topographic Maps, Río Grande de Añasco Basin, Río Grande de Manatí Basin, Río Anton Ruíz Basin, Puerto Rico, Continental Aerial Surveys, November 1978; Topographic Maps, Río Humacao Basin, Continental Aerial Surveys, November 15, 1978; USACE 1980; Topographic Maps, Río Tallaboa Basin, USACE, June 1, 1977; Topographic Maps, Cardan Mapping Systems, May 3, 1981).

Shallow flooding boundaries on Río Melania were determined from historical data. These boundaries coincide closely with the 1970 flood and were delineated using topographic maps (HA-446, DOI, 1971; 7.5-Minute Series, Topographic Maps, DOI, 1957, etc.). Further adjustments were made based on field reconnaissance of historic flooding and engineering judgment.

The 1- and 0.2-percent annual chance tidal floodplain boundaries were delineated using topographic maps at a scale of 1:20,000 with contour intervals of 1 and 5 meters and aerial photographs (7.5-Minute Series, Topographic Maps, DOI, 1957, etc.; Topographic Maps, USACE, June 1, 1977).

For the 1999 revision, coastal floodplain boundaries were delineated using topographic maps at a scale of 1:20,000 with a contour interval of 5 meters and aerial photographs (Topographic Maps, Continental Aerial Surveys, Inc., 1979; 7.5-Minute Series, Topographic Maps, DOI, 1957, etc.). The floodplain boundaries for the Río Matilde, Río Cañas, Río Pastillo, and Quebrada del Agua were interpolated between cross sections using topographic maps at a scale of 1:20,000 with contour intervals of 10, 5, and 1 meters (7.5-Minute Series, Topographic Maps, DOI, 1957, etc.).

For the flooding sources studied by approximate methods, the 1-percent annual chance floodplains were delineated using the previously printed FIRM for the Commonwealth of Puerto Rico, topographic maps at scales of 1:5,000 and 1:20,000 with contour intervals of 1, 5, and 10 meters, USGS Flood-Prone Area Maps, and SCS flood-prone area maps (Flood Insurance Rate Map, Commonwealth of Puerto Rico, FEMA, 1996; Continental Aerial Surveys, Inc., 1979; USACE, 1979; Aerial Photographs, Río Culebrinas Basin, Puerto Rico, Continental Aerial Surveys, Inc., November 1978; Topographic Maps, Río Grande de Añasco Basin, Río Grande de Manatí Basin, Río Anton Ruíz Basin, Puerto Rico, Continental Aerial Surveys, November 1978; Topographic Maps, Río Humacao Basin, Continental Aerial Surveys, Inc., November 15, 1978; Topographic Maps, Río Grande de Manatí Basin, USACE, 1980; Topographic Maps, Río Tallaboa Basin, USACE, June 1, 1977; Aerial Photographs, Río Guayanilla, Kucera and Associates, Incorporated, 1976; 7.5-Minute Series, Topographic Maps, DOI, 1957, etc.; Aerial Photographs, Río Cibuco Basin, Kucera and Associates, Incorporated, 1976; Southern Resources Mapping

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER-SURFACE ELEVATION (METERS MSL)			
CROSS SECTION	DISTANCE	WIDTH (METERS)	SECTION AREA (SQUARE METERS)	MEAN VELOCITY (METERS PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
Rio Melania								
A	2,080[1]	183	234	0.9	7.2	7.2	7.5	0.3
B	2,250[1]	183	260	0.8	8.3	8.3	8.6	0.2
C	2,394[1]	183	119	1.8	9.1	9.1	9.1	0.0
D	2,575[1]	137	214	1.0	10.4	10.4	10.4	0.0
E	2,705[1]	113	164	1.3	10.9	10.9	10.9	0.0
F	2,820[1]	102	187	1.2	11.6	11.6	11.6	0.0
G	2,903[1]	107	128	1.7	12.0	12.0	12.1	0.1
H	3,020[1]	73	151	1.4	12.5	12.5	12.7	0.2
Rio Seco								
A	1,734[2]	116	264	2.0	16.0	16.0	16.3	0.3
B	1,956[2]	125	197	2.6	17.0	17.0	17.3	0.3
C	2,065[2]	119	207	2.5	18.1	18.1	18.1	0.0
D	2,200[2]	89	155	3.3	18.7	18.7	18.8	0.1
E	2,361[2]	101	194	2.6	19.9	19.9	19.9	0.0
F	2,530[2]	61	177	2.9	20.5	20.5	20.5	0.0
G	2,692[2]	80	233	2.2	21.4	21.4	21.4	0.0
H	2,799[2]	45	106	4.9	22.3	22.3	22.3	0.0
I	2,900[2]	107	162	3.2	24.3	24.3	24.3	0.0
J	3,017[2]	109	165	3.1	25.5	25.5	25.5	0.0

[1]Meters above mouth (along profile base line)
[2]Meters above mouth

TABLE 9

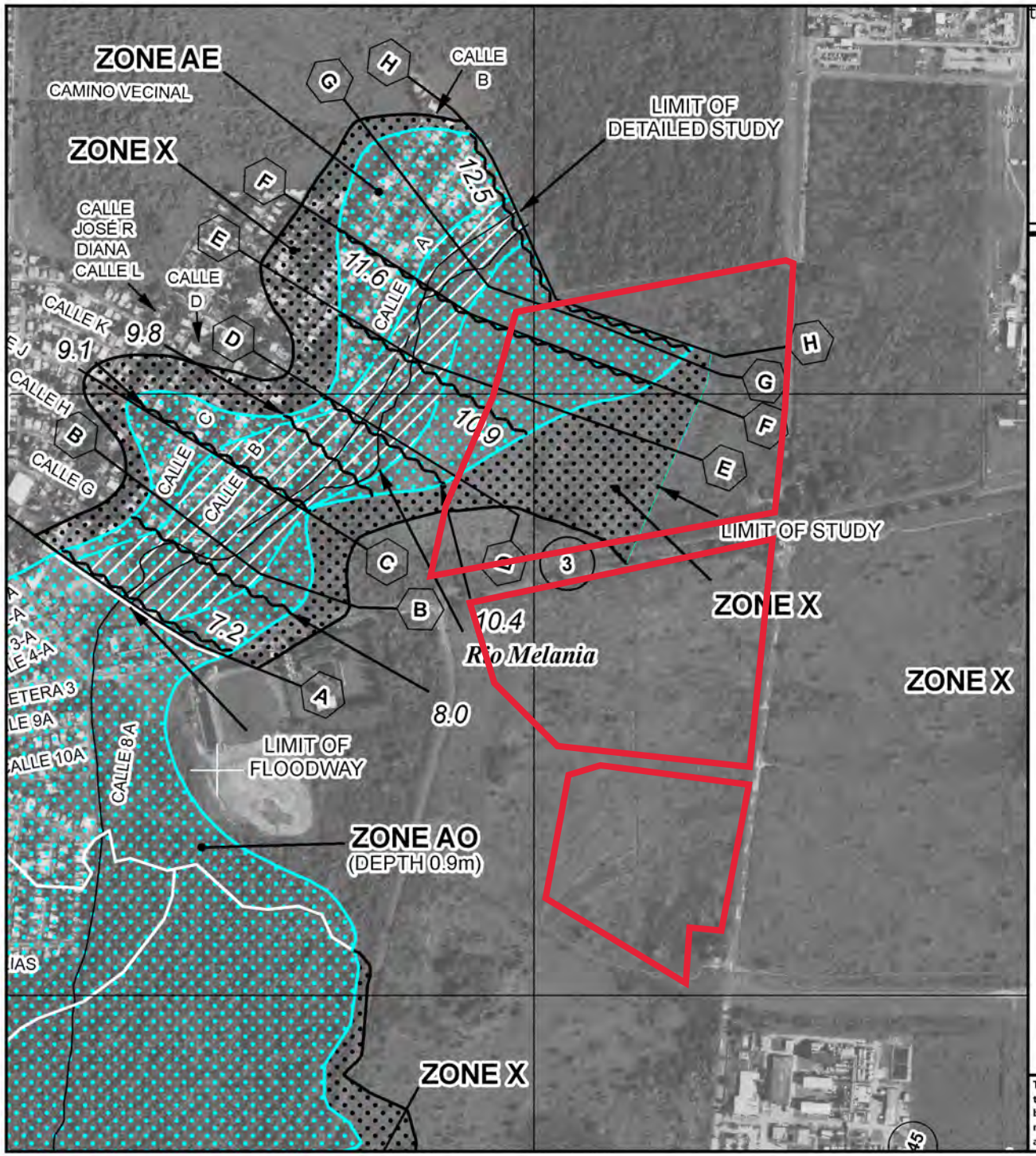
FEDERAL EMERGENCY MANAGEMENT AGENCY

COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES

FLOODWAY DATA

RIO MELANIA - RIO SECO

the National Flood Insurance Program at 1-800-638-6620.



MAP SCALE
1:10,000

0.25 0

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 2110J

FIRM

FLOOD INSURANCE RATE MAP

COMMONWEALTH OF PUERTO RICO AND MUNICIPALITIES

PANEL 2110 OF 2160

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
PUERTO RICO	720000	2110	J

- NOTE -

THIS MAP INCLUDES BOUNDARIES OF THE COASTAL BARRIER RESOURCES SYSTEM ESTABLISHED UNDER THE COASTAL BARRIER RESOURCES ACT OF 1982 AND/OR SUBSEQUENT ENABLING LEGISLATION.

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
72000C2110J

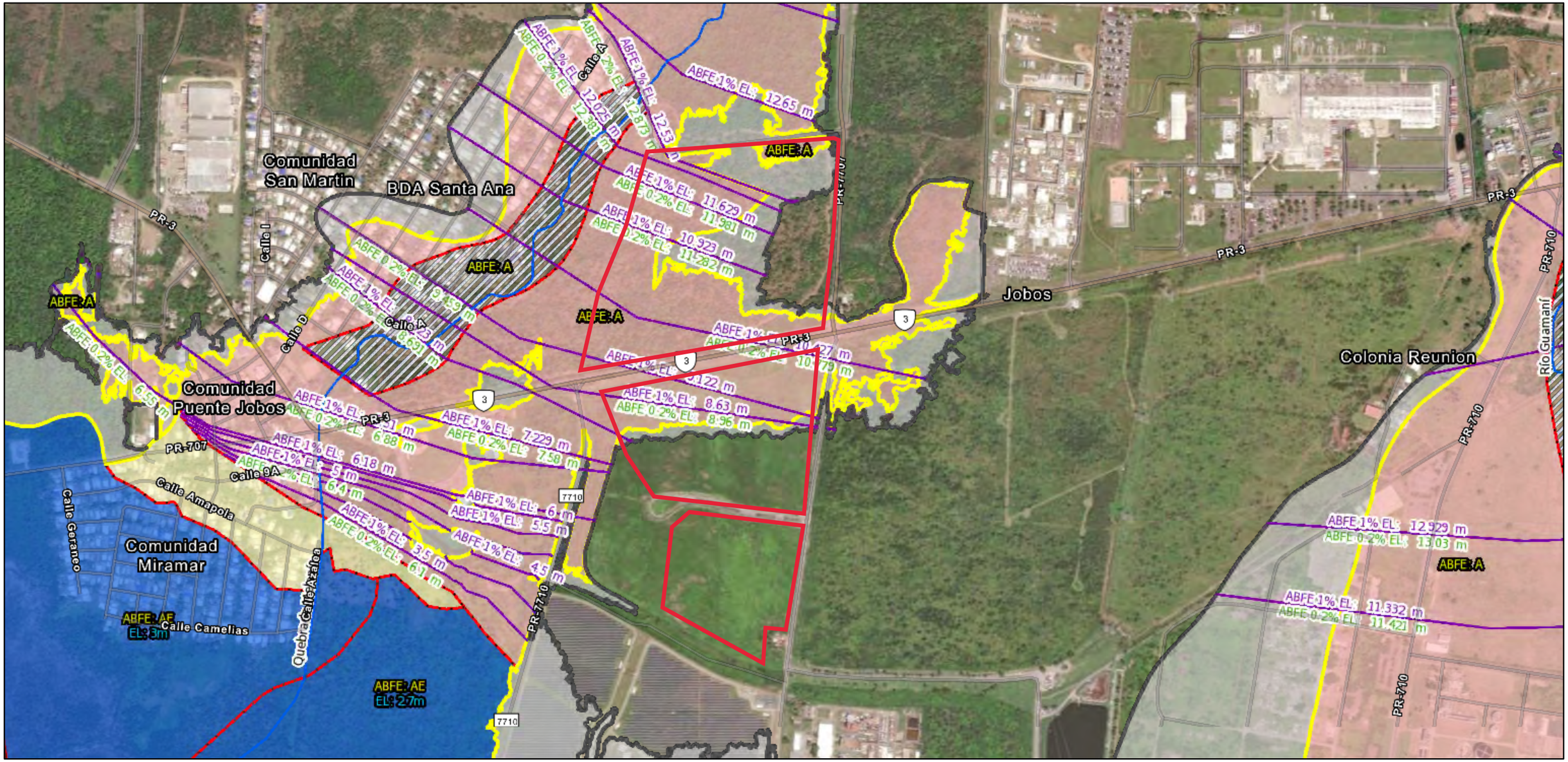
MAP REVISED
NOVEMBER 18, 2009

Federal Emergency Management Agency

Appendix E: FEMA ABFE MAP and Water Surface Elevation Source

787•743•4761
info@pmggroupllc.com
PO Box 669 Caguas PR 00726-0669

Puerto Rico Advisory Base Flood Elevation Data Review



4/15/2021, 2:26:52 PM

- Floodway
- Zone/BFE Boundary

Flood Hazard Extent

- 1% Annual Chance Flood
- 0.2% Annual Chance Flood
- Limit of Moderate Wave Action (LiMWA)
- Municipios
- Advisory Base Flood Elevation (zoom in to make visible)
- Streamline (zoom in to make visible)

1:9,028

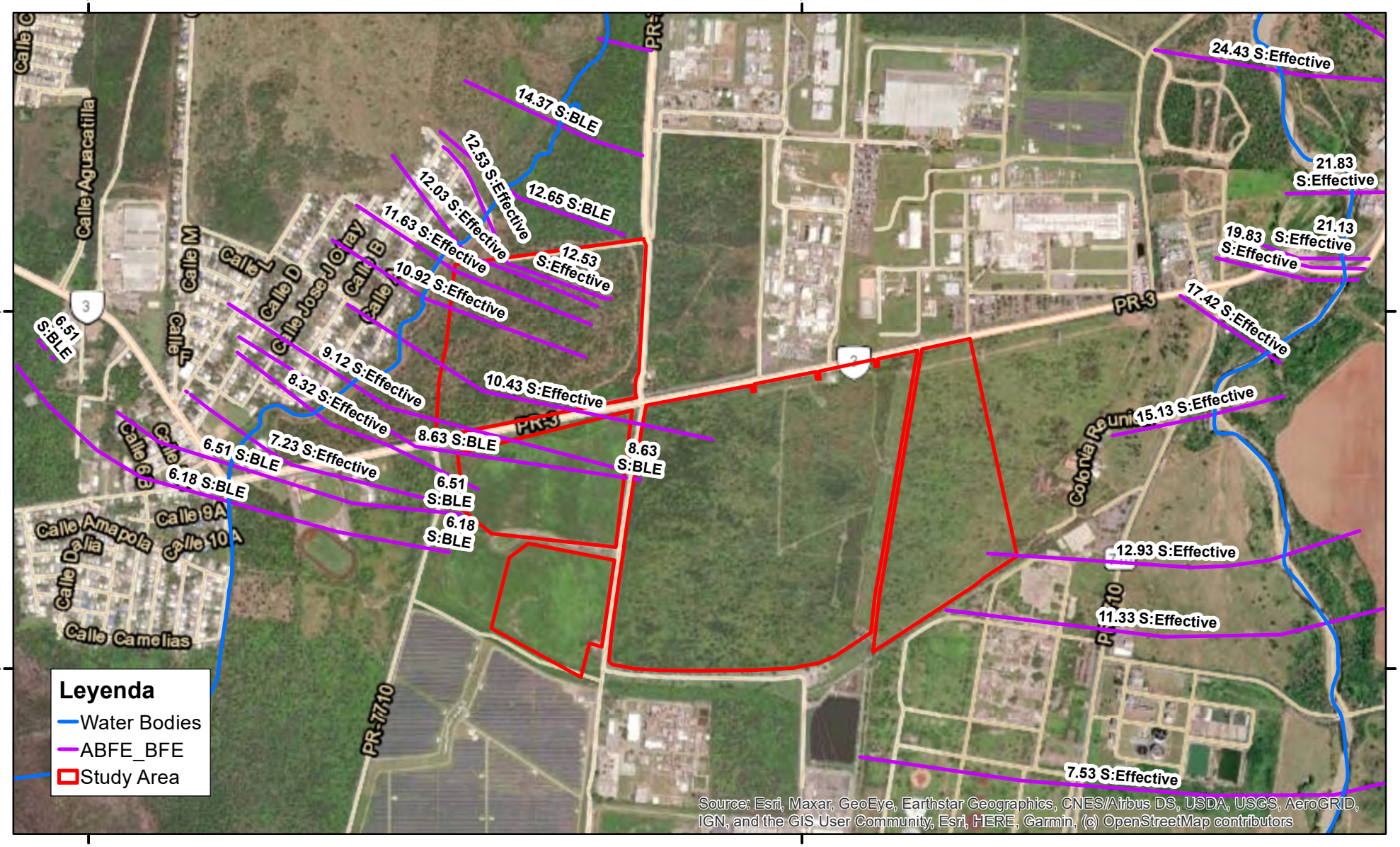
0 0.1 0.2 0.4 mi

0 0.15 0.3 0.6 km

FEMA, Maxar

FEMA DR-4339-PR

FEMA | Maxar | Esri Community Maps Contributors, Kadaster Netherlands, Esri, HERE, Garmin, SafeGraph, INCREMENT P, METI/NASA, USGS, NPS, US Census Bureau |



Coordinate System: NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200 | Units: Meter

1:15,000

370 185 0 370 Meters

FEMA ABFE BFE SOURCE

AES Jobos PV, Guayama, P.R.

N W E S

Date: 5/17/2021

PMG AND ASSOCIATES

Document Path: M:\29409-AES-Salinas-PV\GIS\MXD\Zone_B\29408-Jobos.XS.Map.mxd

Appendix F: Precipitation Data

787•743•4761
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PO Box 669 Caguas PR 00726-0669

NOAA Atlas 14, Volume 3, Version 4
Location name: Jobos, Puerto Rico, PRI*
Latitude: 17.9559°, Longitude: -66.1542°
Elevation: 32.81 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M.Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.304** (0.300-0.367)	**0.435** (0.403-0.468)	**0.538** (0.500-0.575)	**0.613** (0.569-0.654)	**0.711** (0.657-0.761)	**0.783** (0.722-0.841)	**0.857** (0.785-0.922)	**0.930** (0.847-1.01)	**1.03** (0.930-1.12)	**1.10** (0.994-1.22)
10-min	**0.415** (0.411-0.502)	**0.594** (0.551-0.640)	**0.735** (0.683-0.786)	**0.838** (0.777-0.894)	**0.972** (0.898-1.04)	**1.07** (0.987-1.15)	**1.17** (1.07-1.26)	**1.27** (1.16-1.38)	**1.41** (1.27-1.54)	**1.51** (1.36-1.66)
15-min	**0.533** (0.527-0.644)	**0.763** (0.708-0.821)	**0.943** (0.877-1.01)	**1.08** (0.998-1.15)	**1.25** (1.15-1.34)	**1.37** (1.27-1.48)	**1.50** (1.38-1.62)	**1.63** (1.49-1.77)	**1.80** (1.63-1.97)	**1.94** (1.74-2.13)
30-min	**0.853** (0.844-1.03)	**1.22** (1.13-1.31)	**1.51** (1.40-1.62)	**1.72** (1.60-1.84)	**2.00** (1.85-2.14)	**2.20** (2.03-2.36)	**2.41** (2.21-2.59)	**2.61** (2.38-2.83)	**2.89** (2.61-3.16)	**3.10** (2.79-3.42)
60-min	**1.26** (1.25-1.53)	**1.81** (1.68-1.95)	**2.24** (2.08-2.40)	**2.56** (2.37-2.73)	**2.96** (2.74-3.17)	**3.26** (3.01-3.50)	**3.57** (3.27-3.84)	**3.87** (3.53-4.20)	**4.29** (3.88-4.68)	**4.60** (4.14-5.07)
2-hr	**1.57** (1.55-1.97)	**2.33** (2.13-2.54)	**3.02** (2.77-3.26)	**3.52** (3.22-3.80)	**4.17** (3.80-4.51)	**4.68** (4.24-5.08)	**5.19** (4.67-5.67)	**5.73** (5.11-6.29)	**6.44** (5.70-7.15)	**7.01** (6.16-7.85)
3-hr	**2.01** (1.82-2.19)	**2.60** (2.36-2.85)	**3.41** (3.11-3.72)	**4.02** (3.65-4.37)	**4.84** (4.36-5.28)	**5.48** (4.91-6.01)	**6.14** (5.45-6.78)	**6.83** (6.02-7.61)	**7.79** (6.77-8.75)	**8.55** (7.37-9.71)
6-hr	**2.45** (2.20-2.74)	**3.22** (2.88-3.59)	**4.39** (3.94-4.85)	**5.27** (4.72-5.81)	**6.51** (5.77-7.21)	**7.50** (6.59-8.35)	**8.53** (7.42-9.56)	**9.63** (8.29-10.9)	**11.2** (9.50-12.7)	**12.4** (10.5-14.3)
12-hr	**2.93** (2.59-3.32)	**3.86** (3.40-4.38)	**5.38** (4.76-6.05)	**6.60** (5.80-7.39)	**8.33** (7.26-9.39)	**9.76** (8.40-11.0)	**11.3** (9.59-12.8)	**12.9** (10.8-14.7)	**15.2** (12.6-17.5)	**17.0** (14.0-19.8)
24-hr	**3.45** (3.12-3.82)	**4.58** (4.13-5.08)	**6.52** (5.90-7.17)	**8.15** (7.36-8.92)	**10.5** (9.44-11.5)	**12.5** (11.1-13.7)	**14.6** (12.9-16.0)	**16.9** (14.9-18.6)	**20.1** (17.6-22.3)	**22.8** (19.8-25.4)
2-day	**4.98** (4.39-5.68)	**6.63** (5.82-7.57)	**9.48** (8.33-10.8)	**11.9** (10.4-13.5)	**15.4** (13.3-17.5)	**18.4** (15.7-20.9)	**21.6** (18.3-24.6)	**25.1** (21.1-28.7)	**30.1** (25.0-34.6)	**34.3** (28.1-39.6)
3-day	**5.28** (4.64-6.02)	**7.02** (6.17-8.02)	**10.0** (8.79-11.4)	**12.5** (10.9-14.2)	**16.2** (14.0-18.4)	**19.3** (16.5-21.9)	**22.6** (19.2-25.7)	**26.1** (22.0-29.9)	**31.3** (26.0-36.0)	**35.5** (29.2-41.0)
4-day	**5.57** (4.89-6.36)	**7.41** (6.51-8.48)	**10.6** (9.26-12.0)	**13.2** (11.5-14.9)	**17.0** (14.7-19.3)	**20.1** (17.3-22.9)	**23.5** (20.0-26.8)	**27.2** (22.9-31.1)	**32.5** (27.0-37.4)	**36.8** (30.3-42.5)
7-day	**6.34** (5.59-7.24)	**8.41** (7.41-9.59)	**11.8** (10.4-13.4)	**14.7** (12.8-16.6)	**18.7** (16.3-21.2)	**22.1** (19.0-25.1)	**25.7** (21.9-29.2)	**29.6** (25.0-33.8)	**35.1** (29.3-40.3)	**39.6** (32.7-45.7)
10-day	**6.96** (6.19-7.86)	**9.16** (8.15-10.3)	**12.6** (11.2-14.2)	**15.4** (13.7-17.3)	**19.4** (17.0-21.7)	**22.6** (19.8-25.4)	**26.1** (22.6-29.4)	**29.7** (25.6-34.1)	**35.5** (29.8-40.7)	**40.0** (33.2-46.1)
20-day	**8.68** (7.81-9.65)	**11.3** (10.1-12.5)	**14.9** (13.4-16.5)	**17.9** (16.0-19.7)	**21.9** (19.5-24.2)	**25.1** (22.3-27.8)	**28.5** (25.1-31.6)	**32.0** (28.0-35.6)	**36.9** (31.9-41.3)	**40.8** (35.0-46.6)
30-day	**10.5** (9.51-11.6)	**13.5** (12.3-14.9)	**17.5** (15.9-19.3)	**20.7** (18.7-22.7)	**25.0** (22.4-27.4)	**28.4** (25.3-31.2)	**31.8** (28.3-35.1)	**35.5** (31.3-39.3)	**40.4** (35.3-45.0)	**44.3** (38.4-49.5)
45-day	**12.9** (11.7-14.1)	**16.5** (15.0-18.1)	**20.9** (19.0-22.9)	**24.3** (22.1-26.6)	**29.0** (26.1-31.6)	**32.5** (29.2-35.6)	**36.1** (32.3-39.7)	**39.9** (35.4-44.0)	**45.0** (39.6-49.8)	**48.9** (42.8-54.4)
60-day	**15.3** (13.9-16.7)	**19.5** (17.8-21.3)	**24.4** (22.2-26.6)	**28.1** (25.6-30.6)	**33.0** (30.0-36.0)	**36.9** (33.3-40.3)	**40.7** (36.6-44.5)	**44.6** (39.9-48.9)	**49.8** (44.3-55.0)	**53.9** (47.6-59.7)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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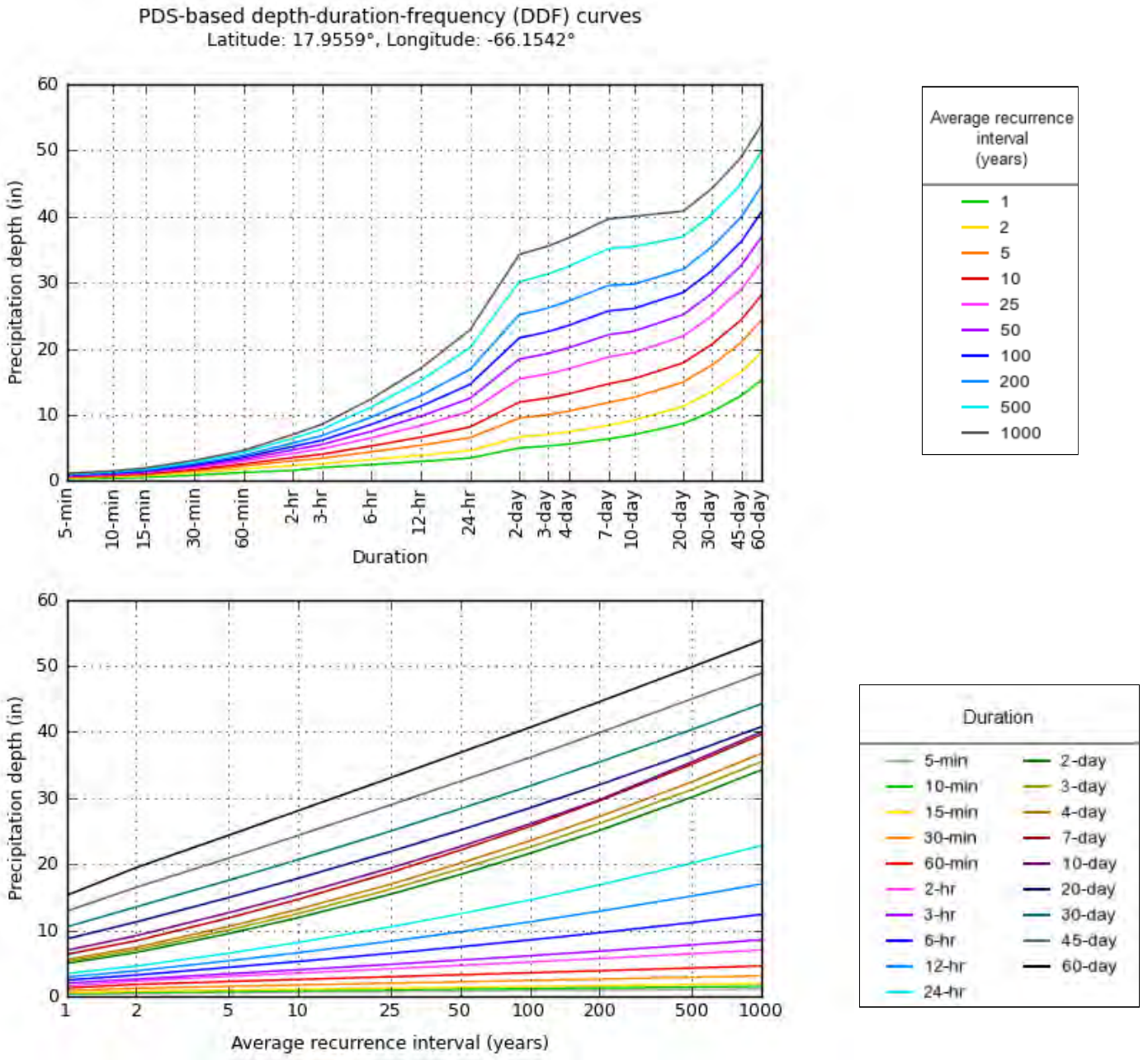
PF graphical



NOAA Atlas 14, Volume 3, Version 4

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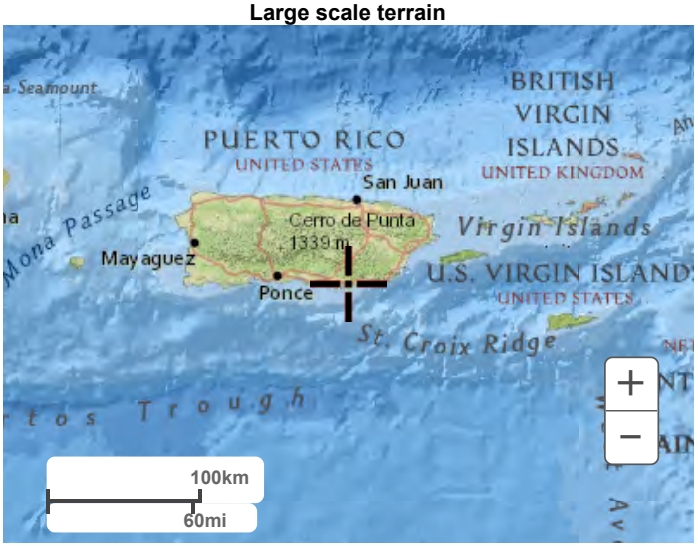
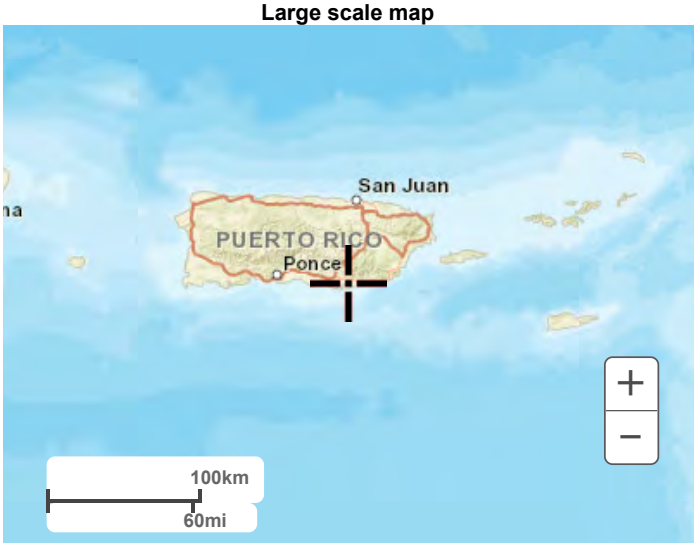
Maps & aerials

Small scale terrain

Large scale terrain



Large scale map



Large scale aerial

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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

Appendix G: Watershed Map

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info@pmggroupllc.com
PO Box 669 Caguas PR 00726-0669

EXISTING CONDITION BASINS MAP

SCALE= 1:500

SCALE: 1:2000

CERTIFICO QUE SO Y EL PROFESIONAL QUE CONFECCIONO Y/O DISEÑO Y/O PREPARO ESTOS PLANOS Y LAS ESPECIF ICACIONES COMPLEMENTARIAS. TAMBIEN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGEN CIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PMG AND ASSOCIATES
#12 ACOSTA CAGUAS,PR 00726
787.643.4761 INFO@PMGGROUPLLC.COM

AES Jobos PV SITE
PR-3, km 143 Jobos Ward, Guayama PR.

PLOT DATE AND TIME:5/27/2021 12:44 PM

NO.	REVISION	DATE
0		00/00/0000

SCALE: AS NOTED

CHECK BY:	DRAW BY:
P.GARCIA	L.MALAVE

PREPARED FOR:
ADD OWNER

PAGE TITLE:
EXISTING CONDITION BASIN MAP

SHEET:

FILE:M:\29408-AES-Jobos-Guayama\CAD\WORK\29408_HDR.DATA.dwg

PROPOSED CONDITION BASINS MAP

SCALE= 1:500

SCALE: 1:2000

CERTIFICO QUE SO Y EL PROFESIONAL QUE CONFECCIONO Y/O DISEÑO Y/O PREPARO ESTOS PLANOS Y LAS ESPECIFICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGENCIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PMG AND ASSOCIATES
ENGINEERING DESIGN & CONSULTING
#12 ACOSTA CAGUAS,PR 00726
787.643.4761 INFO@PMGGROUPLLC.COM

AES Jobos PV SITE
PR-3, km 143 Jobos Ward, Guayama PR.

PLOT DATE AND TIME:5/27/2021 11:43 AM

NO.	REVISION	DATE
0		00/00/0000

SCALE: AS NOTED

CHECK BY:	DRAW BY:
P.GARCIA	L.MALAVE

PREPARED FOR:

ADD OWNER

PAGE TITLE:

PROPOSED CONDITION BASIN MAP

SHEET:

FILE:M:\29408-AES-Jobos-Guayama\CAD\WORK\29408_HDR.PS.dwg

Appendix H: Land Use Map

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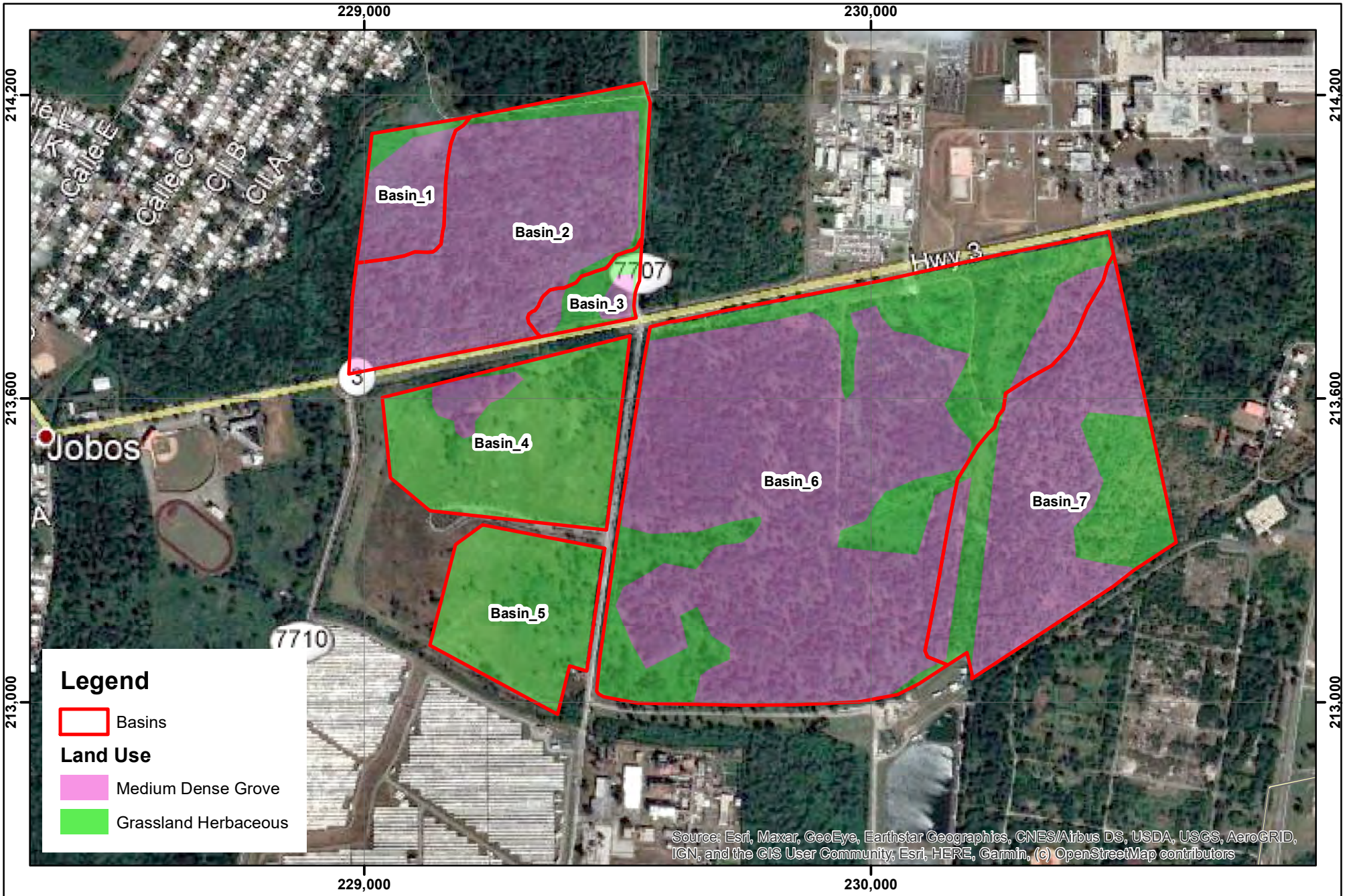

Coordinate System: NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200 | Units: Meter

1:10,000

320 160 0 320 Meters

Land Use

AES Jobos PV - Guayama, P.R.

N W E S

Date: 5/27/2021

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Appendix I: Soil Type Map

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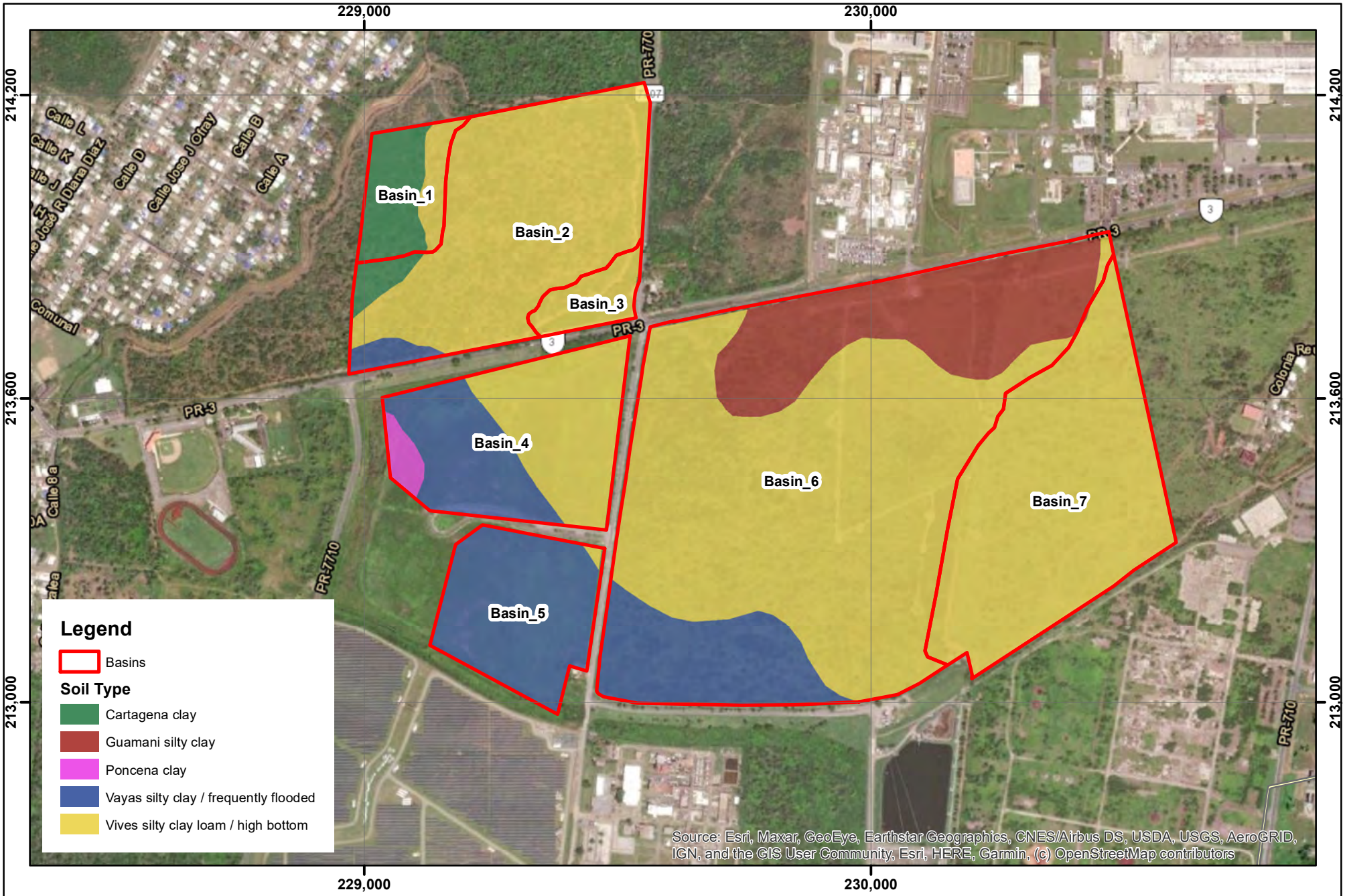

Coordinate System: NAD 1983 StatePlane Puerto Rico Virgin Islands FIPS 5200 | Units: Meter

1:10,000

320 160 0 320 Meters

Soil Type

AES Jobos PV - Guayama, P.R.

N W E S

Date: 5/27/2021

PMG AND ASSOCIATES

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Appendix J: CN-Calculation Sheets

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Hydrology EC
Sub-basin Basin_1
Project AES-PV SITE
Location Guayama

Date: 27-May-21

Area	10.21	acr	4.13	ha
Total Flow Length	273.00	m	895.71	ft
Average Watershed Slope	1.89%			
Time of Concentration	24.9	min	0.42	hr
CN	74.5	AMC2	82.7	AMC3

Hydrology EC
Sub-basin Basin_2
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	48.78	acr	19.74	ha
Total Flow Length	815.00	m	2674.02	ft
Average Watershed Slope	1.92%			
Time of Concentration	81.6	min	1.36	hr
CN	62.6	AMC2	73.50	AMC3

Hydrology EC
Sub-basin Basin_3
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	5.29	acr	2.14	ha
Total Flow Length	251.00	m	823.53	ft
Average Watershed Slope	3.47%			
Time of Concentration	24.7	min	0.41	hr
CN	61.0	AMC2	72.21	AMC3

Hydrology EC
Sub-basin Basin_4
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	32.93	acr	13.33	ha
Total Flow Length	500.00	m	1640.50	ft
Average Watershed Slope	1.71%			
Time of Concentration	48.4	min	0.81	hr
CN	69.8	AMC2	79.14	AMC3

Hydrology EC
Sub-basin Basin_5
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	21.16	acr	8.56	ha
Total Flow Length	368.00	m	1207.41	ft
Average Watershed Slope	1.30%			
Time of Concentration	32.6	min	0.54	hr
CN	79.8	AMC2	86.49	AMC3

Hydrology EC
Sub-basin Basin_6
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	144.69	acr	58.55	ha
Total Flow Length	1585.00	m	5200.39	ft
Average Watershed Slope	3.24%			
Time of Concentration	104.6	min	1.74	hr
CN	63.5	AMC2	74.2	AMC3

Hydrology	EC
Sub-basin	Basin_7
Project	AES-PV SITE
Location	Guayama
Date:	27-May-21

Area	52.23	acr	21.14	ha
Total Flow Length	890.00	m	2920.09	ft
Average Watershed Slope	5.28%			
Time of Concentration	55.0	min	0.92	hr
CN	61.0	AMC2	72.21	AMC3

CN Calculation Sheets (Pre-developed Condition)

Basin_1

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Bosques y Arboledas	61	10592.23	646125.77
Ce	CARTAGENA	D	Bosques y Arboledas	80	24477.78	1958222.26
Vs	VIVES	B	Pastos	61	1313.22	80106.43
Ce	CARTAGENA	D	Pastos	80	4941.75	395340.37
Ce	CARTAGENA	D	Bosques y Arboledas	80	4.17	333.56
				Total	41329.15	3080128.41
				CN	74.5	

Basin_2

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Bosques y Arboledas	61	162378.08	9905062.89
Ce	CARTAGENA	D	Bosques y Arboledas	80	8647.36	691788.43
Vc	VAYAS	D	Bosques y Arboledas	80	7862.30	628983.75
Vs	VIVES	B	Pastos	61	18525.89	1130079.50
				Total	197413.63	12355914.57
				CN	62.6	

Basin_3

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Bosques y Arboledas	61	4323.54	263736.24
Vs	VIVES	B	Bosques y Arboledas	61	4659.92	284255.17
Vs	VIVES	B	Pastos	61	9999.43	609965.28
Vs	VIVES	B	Pastos	61	2442.32	148981.58
				Total	21425.22	1306938.27
				CN	61.0	

Basin_4

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Bosques y Arboledas	61	4410.24	269024.42
Vc	VAYAS	D	Bosques y Arboledas	80	7731.57	618525.67
Vs	VIVES	B	Pastos	61	2046.98	124865.56
Vc	VAYAS	D	Pastos	80	33.32	2665.36
Po	PONCENA	D	Pastos	80	7778.94	622315.22
Vs	VIVES	B	Pastos	61	65081.53	3969973.22
Vc	VAYAS	D	Pastos	80	46192.27	3695381.26
				Total	133274.83	9302750.70
				CN	69.8	

Basin_5

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Pastos	61	872.95	53250.17
Vc	VAYAS	D	Pastos	80	84738.92	6779113.41
				Total	85611.87	6832363.58
				CN	79.8	

Basin_6

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Bosques y Arboledas	61	310659.98	18950258.59
Gm	GUAMANI	B	Bosques y Arboledas	61	43991.15	2683460.03
Vc	VAYAS	D	Bosques y Arboledas	80	47545.28	3803622.26
Vs	VIVES	B	Bosques y Arboledas	61	6044.46	368712.26
Gm	GUAMANI	B	Bosques y Arboledas	61	10183.61	621200.36
Vs	VIVES	B	Pastos	61	63710.99	3886370.21
Gm	GUAMANI	B	Pastos	61	75099.61	4581076.15
Vc	VAYAS	D	Pastos	80	28301.21	2264096.58
				Total	585536.28	37158796.42
				CN	63.5	

Basin_7

Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Bosques y Arboledas	61.00	12527.67	764187.80
Vs	VIVES	B	Bosques y Arboledas	61.00	133021.18	8114291.96
Gm	GUAMANI	B	Bosques y Arboledas	61.00	230.60	14066.40
Vs	VIVES	B	Pastos	61.00	43548.22	2656441.21
Vs	VIVES	B	Pastos	61.00	22023.07	1343407.54
				Total	211350.74	12892394.91
				CN	61.0	

Hydrology PC
Sub-basin Basin_1
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	10.21	acr	4.13	ha
Total Flow Length	273.00	m	895.71	ft
Average Watershed Slope	1.89%			
Time of Concentration	24.4	min	0.41	hr
CN	75.2	AMC2	83.2	AMC3

Hydrology PC
Sub-basin Basin_2
Project Guayama
Location Guayama
Date: 27-May-21

Area	48.78	acr	19.74	ha
Total Flow Length	815.00	m	2674.02	ft
Average Watershed Slope	1.92%			
Time of Concentration	80.1	min	1.33	hr
CN	63.3	AMC2	74.10	AMC3

Hydrology PC
Sub-basin Basin_3
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	5.29	acr	2.14	ha
Total Flow Length	251.00	m	823.53	ft
Average Watershed Slope	3.47%			
Time of Concentration	23.8	min	0.40	hr
CN	62.3	AMC2	73.27	AMC3

Hydrology PC
Sub-basin Basin_4
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	32.94	acr	13.33	ha
Total Flow Length	500.00	m	1640.50	ft
Average Watershed Slope	1.71%			
Time of Concentration	47.8	min	0.80	hr
CN	70.3	AMC2	79.52	AMC3

Hydrology PC
Sub-basin Basin_5
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	21.16	acr	8.56	ha
Total Flow Length	368.00	m	1207.41	ft
Average Watershed Slope	1.30%			
Time of Concentration	32.4	min	0.54	hr
CN	80.0	AMC2	86.61	AMC3

Hydrology PC
Sub-basin Basin_6
Project AES-PV SITE
Location Guayama
Date: 27-May-21

Area	144.72	acr	58.57	ha
Total Flow Length	1585.00	m	5200.39	ft
Average Watershed Slope	3.24%			
Time of Concentration	103.2	min	1.72	hr
CN	64.0	AMC2	74.6	AMC3

Hydrology	PC
Sub-basin	Basin_7
Project	Guayama
Location	Guayama
Date:	27-May-21

Area	52.23	acr	21.14	ha
Total Flow Length	890.00	m	2920.09	ft
Average Watershed Slope	5.28%			
Time of Concentration	53.9	min	0.90	hr
CN	61.8	AMC2	72.86	AMC3

CN Calculation Sheets (Post-developed Condition)

	Basin_1					
Soil Type	**Serie**	**Hydrologic Group**	**Land Cover**	**CN**	**Area (m^2)**	**CN X Area**
Vs	VIVES	B	Pastos	61	165.8	10112.5
Ce	CARTAGENA	D	Pastos	80	4191.9	335353.5
Vs	VIVES	B	Pastos	61	763.1	46547.0
Ce	CARTAGENA	D	Pastos	80	2551.6	204125.5
Vs	VIVES	B	Pastos	61	2552.6	155708.2
Ce	CARTAGENA	D	Pastos	80	12842.0	1027362.7
Ce	CARTAGENA	D	Pastos	80	1568.4	125471.6
Vs	VIVES	B	Pastos	61	3576.7	218181.0
Vs	VIVES	B	Pastos	61	251.0	15311.3
Vs	VIVES	B	Pastos	61	278.6	16995.9
Ce	CARTAGENA	D	Pastos	80	5156.8	412546.1
Vs	VIVES	B	Pastos	61	1120.9	68376.4
Vs	VIVES	B	Pastos	61	6.8	413.1
Ce	CARTAGENA	D	Pastos	80	997.1	79766.2
Vs	VIVES	B	Pastos	61	249.2	15202.0
Ce	CARTAGENA	D	Pastos	80	0.2	16.4
Vs	VIVES	B	Pastos	61	2433.9	148470.5
Vs	VIVES	B	Camino_Tierra	82	182.5	14963.8
Ce	CARTAGENA	D	Camino_Tierra	89	1228.8	109363.3
Vs	VIVES	B	Camino_Tierra	82	299.1	24530.2
Ce	CARTAGENA	D	Camino_Tierra	89	821.8	73139.8
Vs	VIVES	B	Pastos	61	3.5	213.4
Ce	CARTAGENA	D	Pastos	80	8.0	639.8
Vs	VIVES	B	Pastos	61	4.9	300.1
Ce	CARTAGENA	D	Pastos	80	52.9	4233.2
Vs	VIVES	B	Pastos	61	8.1	491.1
Vs	VIVES	B	Pastos	61	8.7	530.1
Ce	CARTAGENA	D	Pastos	80	2.3	187.0
Ce	CARTAGENA	D	Camino_Tierra	89	1.8	163.1
				Total	**41329.2**	**3108714.8**
				CN	**75.2**	

	Basin_2					
Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Pastos	61	7535.0	459636.8
Ce	CARTAGENA	D	Pastos	80	2343.0	187439.4
Vc	VAYAS	D	Pastos	80	2180.8	174461.2
Vs	VIVES	B	Pastos	61	8996.3	548774.9
Vs	VIVES	B	Pastos	61	3736.6	227935.2
Vs	VIVES	B	Pastos	61	1.0	63.0
Vs	VIVES	B	Pastos	61	1478.9	90214.4
Vs	VIVES	B	Pastos	61	10984.6	670061.7
Ce	CARTAGENA	D	Pastos	80	5951.7	476134.5
Vc	VAYAS	D	Pastos	80	4043.8	323506.4
Vs	VIVES	B	Pastos	61	7680.4	468506.9
Vs	VIVES	B	Pastos	61	10405.8	634751.5
Vc	VAYAS	D	Pastos	80	641.0	51278.8
Vs	VIVES	B	Pastos	61	3155.9	192508.9
Vs	VIVES	B	Pastos	61	14161.8	863871.7
Vs	VIVES	B	Pastos	61	709.9	43303.6
Vs	VIVES	B	Pastos	61	13035.0	795135.6
Vs	VIVES	B	Pastos	61	2173.0	132551.8
Vs	VIVES	B	Pastos	61	10216.1	623182.7
Vs	VIVES	B	Pastos	61	5178.8	315906.9
Vs	VIVES	B	Pastos	61	4714.2	287565.7
Vs	VIVES	B	Pastos	61	14404.3	878659.4
Vs	VIVES	B	Pastos	61	10837.7	661098.4
Vs	VIVES	B	Pastos	61	3996.6	243794.9
Vs	VIVES	B	Pastos	61	5074.0	309513.7
Vs	VIVES	B	Pastos	61	165.2	10076.3
Vs	VIVES	B	Pastos	61	1361.4	83044.9
Vs	VIVES	B	Pastos	61	1316.1	80279.8
Vs	VIVES	B	Pastos	61	14234.0	868272.3
Vs	VIVES	B	Pastos	61	169.7	10352.2
Vs	VIVES	B	Pastos	61	14666.4	894651.5
Vs	VIVES	B	Pastos	61	3723.3	227118.9
Vs	VIVES	B	Camino_Tierra	82	5196.5	426113.0
Ce	CARTAGENA	D	Camino_Tierra	89	352.7	31389.0

	Basin_2	Continue				
Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vc	VAYAS	D	Camino_Tierra	89	994.7	88532.3
Vs	VIVES	B	Camino_Tierra	82	1240.5	101723.9
Vs	VIVES	B	Pastos	61	14.3	872.5
Vs	VIVES	B	Pastos	61	9.7	589.8
Vs	VIVES	B	Pastos	61	16.1	979.9
Vs	VIVES	B	Pastos	61	6.5	398.7
Vs	VIVES	B	Pastos	61	49.7	3031.8
Vs	VIVES	B	Pastos	61	71.2	4343.6
Vs	VIVES	B	Pastos	61	16.7	1017.1
Vs	VIVES	B	Pastos	61	6.0	365.5
Vs	VIVES	B	Pastos	61	28.5	1738.0
Vs	VIVES	B	Pastos	61	29.1	1773.3
Vs	VIVES	B	Pastos	61	14.8	901.1
Vs	VIVES	B	Pastos	61	4.0	241.6
Vs	VIVES	B	Pastos	61	3.8	234.0
Vs	VIVES	B	Pastos	61	1.4	86.4
Vs	VIVES	B	Pastos	61	24.7	1507.6
Vs	VIVES	B	Pastos	61	44.8	2733.8
Vs	VIVES	B	Pastos	61	8.9	541.7
Vs	VIVES	B	Pastos	61	0.4	27.3
Vs	VIVES	B	Pastos	61	3.4	209.9
Vc	VAYAS	D	Pastos	80	2.0	157.7
Vs	VIVES	B	Pastos	61	0.5	28.0
Vs	VIVES	B	Pastos	61	0.2	14.9
Vs	VIVES	B	Pastos	61	0.1	3.7
Vs	VIVES	B	Pastos	61	0.1	8.3
Vs	VIVES	B	Pastos	61	0.0	1.0
				Total	**197413.6**	**12503219.3**
				CN	**63.3**	

	Basin_3					
Soil Type	Serie	Hydrologic Group	Land Cover	CN	Area (m^2)	CN X Area
Vs	VIVES	B	Pastos	61	403.9	24637.8
Vs	VIVES	B	Pastos	61	1226.4	74809.9
Vs	VIVES	B	Pastos	61	2909.6	177483.7
Vs	VIVES	B	Pastos	61	470.3	28686.1
Vs	VIVES	B	Pastos	61	380.2	23190.7
Vs	VIVES	B	Pastos	61	3389.1	206738.0
Vs	VIVES	B	Pastos	61	1227.2	74859.4
Vs	VIVES	B	Pastos	61	224.0	13664.8
Vs	VIVES	B	Pastos	61	3170.6	193408.2
Vs	VIVES	B	Pastos	61	5000.7	305044.8
Vs	VIVES	B	Pastos	61	1645.1	100351.4
Vs	VIVES	B	Pastos	61	46.4	2828.6
Vs	VIVES	B	Camino_Tierra	82	150.3	12322.8
Vs	VIVES	B	Camino_Tierra	82	262.9	21558.2
Vs	VIVES	B	Camino_Tierra	82	860.4	70551.7
Vs	VIVES	B	Camino_Tierra	82	54.3	4453.3
Vs	VIVES	B	Pastos	61	0.5	32.4
Vs	VIVES	B	Pastos	61	1.6	95.0
Vs	VIVES	B	Pastos	61	1.0	60.4
Vs	VIVES	B	Pastos	61	0.7	42.9
Vs	VIVES	B	Pastos	61	0.0	2.9
				Total	**21425.2**	**1334822.9**
				CN	**62.3**	

Appendix K: Existing and Proposed Condition Schematic Hydraulic Model Site Plan

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info@pmggroupllc.com
PO Box 669 Caguas PR 00726-0669

ICPR MODEL SCHEMATIC PLAN

SCALE= 1:500

SCALE: 1:2000

CERTIFICO QUE SO Y EL PROFESIONAL QUE CONFECCIONO Y/O DISEÑO Y/O PREPARO ESTOS PLANOS Y LAS ESPECIF ICACIONES COMPLEMENTARIAS. TAMBIEN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGEN CIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

PMG AND ASSOCIATES
ENGINEERING DESIGN & CONSULTING
#12 ACOSTA CAGUAS,PR 00726
787.643.4761 INFO@PMGGROUPLLC.COM

AES Jobos PV SITE
PR-3, km 143 Jobos Ward, Guayama PR.

PLOT DATE AND TIME:5/27/2021 1:38 PM

NO.	REVISION	DATE
0		00/00/0000

SCALE: AS NOTED

CHECK BY:	DRAW BY:
P.GARCIA	L.MALAVE

PREPARED FOR:

ADD OWNER

PAGE TITLE:

ICPR SCHEMATIC SITE PLAN EXISTING AND PROPOSED CONDITION

SHEET:

FILE:M:\29408-AES-Jobos-Guayama\CAD\WORK\29408_HDR.DATA.dwg

Appendix L: Existing Condition ICPR Report

787•743•4761
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```
================================================================================
==== Basins ====================================================================
================================================================================

         Name: Basin-01                Node: Node-1                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 24.90
              Area(ac): 10.200                Time Shift(hrs): 0.00
          Curve Number: 74.50             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------
         Name: Basin-02                Node: Node-2                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 81.60
              Area(ac): 48.800                Time Shift(hrs): 0.00
          Curve Number: 62.60             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------
         Name: Basin-05                Node: Node-5                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 32.60
              Area(ac): 21.200                Time Shift(hrs): 0.00
          Curve Number: 79.80             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------
         Name: Basin-06                Node: Node-6                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 104.60
              Area(ac): 144.700               Time Shift(hrs): 0.00
          Curve Number: 63.50             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


--------------------------------------------------------------------------------
         Name: Basin-07                Node: Node_7                Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                  Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000              Time of Conc(min): 55.00
              Area(ac): 52.200                Time Shift(hrs): 0.00
          Curve Number: 61.00             Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00
```

```
---------------------------------------------------------------------------------------------------
        Name: Basin_01PC              Node: Node_1PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                    Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                Time of Conc(min): 24.40
            Area(ac): 10.200                   Time Shift(hrs): 0.00
        Curve Number: 75.20               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


---------------------------------------------------------------------------------------------------
        Name: Basin_02PC              Node: Node_2PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                    Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                Time of Conc(min): 80.10
            Area(ac): 48.800                   Time Shift(hrs): 0.00
        Curve Number: 63.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


---------------------------------------------------------------------------------------------------
        Name: Basin_03                Node: Node_4                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                    Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                Time of Conc(min): 24.70
            Area(ac): 5.300                    Time Shift(hrs): 0.00
        Curve Number: 61.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


---------------------------------------------------------------------------------------------------
        Name: Basin_03PC              Node: Node_4PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                    Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                Time of Conc(min): 23.80
            Area(ac): 5.300                    Time Shift(hrs): 0.00
        Curve Number: 62.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


---------------------------------------------------------------------------------------------------
        Name: Basin_04                Node: Node_4                Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                    Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                Time of Conc(min): 48.40
            Area(ac): 32.900                   Time Shift(hrs): 0.00
        Curve Number: 69.80               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


---------------------------------------------------------------------------------------------------
        Name: Basin_04PC              Node: Node_4PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN
```

```
       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 47.80
            Area(ac): 32.900                    Time Shift(hrs): 0.00
        Curve Number: 70.30               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: Basin_05PC              Node: Node_5PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 32.40
            Area(ac): 21.200                    Time Shift(hrs): 0.00
        Curve Number: 80.00               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: Basin_06PC              Node: Node_6PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 104.00
            Area(ac): 144.700                   Time Shift(hrs): 0.00
        Curve Number: 63.70               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
        Name: Basin_07PC              Node: Node_7PC              Status: Onsite
       Group: BASE                    Type: SCS Unit Hydrograph CN

       Unit Hydrograph: Uh484                  Peaking Factor: 484.0
         Rainfall File:                     Storm Duration(hrs): 0.00
   Rainfall Amount(in): 0.000                 Time of Conc(min): 53.90
            Area(ac): 52.200                    Time Shift(hrs): 0.00
        Curve Number: 61.50               Max Allowable Q(cfs): 999999.000
             DCIA(%): 0.00


=================================================================================================
==== Nodes ======================================================================================
=================================================================================================

      Name:                    Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                           Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------------
      Name: Node-1             Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                           Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
```

```
-------------- ---------------
          0.00           0.000
        100.00          20.000

-----------------------------------------------------------------------------------------
      Name: Node-2              Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
-------------- ---------------
          0.00           0.000
        100.00          20.000

-----------------------------------------------------------------------------------------
      Name: Node-5              Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
-------------- ---------------
          0.00           0.000
        100.00          20.000

-----------------------------------------------------------------------------------------
      Name: Node-6              Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 6.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
-------------- ---------------
          0.00           0.000
        100.00          20.000

-----------------------------------------------------------------------------------------
      Name: Node_1PC            Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
-------------- ---------------
          0.00           0.000
        100.00          20.000

-----------------------------------------------------------------------------------------
      Name: Node_2PC            Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
-------------- ---------------
          0.00           0.000
        100.00          20.000

-----------------------------------------------------------------------------------------
      Name: Node_4              Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage
```

```
      Time(hrs)       Stage(ft)
-------------- --------------
          0.00           0.000
        100.00          20.000

--------------------------------------------------------------------------------------------
      Name: Node_4PC            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
-------------- --------------
          0.00           0.000
        100.00          20.000

--------------------------------------------------------------------------------------------
      Name: Node_5PC            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
-------------- --------------
          0.00           0.000
        100.00          20.000

--------------------------------------------------------------------------------------------
      Name: Node_6PC            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
-------------- --------------
          0.00           0.000
        100.00          20.000

--------------------------------------------------------------------------------------------
      Name: Node_7              Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
-------------- --------------
          0.00           0.000
        100.00           0.000

--------------------------------------------------------------------------------------------
      Name: Node_7PC            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
-------------- --------------
          0.00           0.000
        100.00          20.000

============================================================================================
==== Operating Tables ======================================================================
```

```
================================================================================================

      Name:                       Group: BASE
      Type: Bottom Clip
  Function: US Depth Above Invert vs. Depth of Clip



   US Depth(ft)  Clip Depth(in)
--------------- ---------------
           0.00            0.00
           1.50            1.50
          12.00            1.50

================================================================================================
==== Hydrology Simulations ====================================================================
================================================================================================

         Name: 100-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 11.30

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

------------------------------------------------------------------------------------------------
         Name: 100-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 11.30

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

------------------------------------------------------------------------------------------------
         Name: 100-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 3.57

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

------------------------------------------------------------------------------------------------
         Name: 100-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-1hr-90%.R32



      Override Defaults: Yes
```

```
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 3.57

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 100-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 14.60

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 100-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 14.60

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------------
         Name: 100-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 8.53

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 100-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 8.53

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
```

```
         Name: 10yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 6.60

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 6.60

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 2.56

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 2.56

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 8.15
```

```
Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 8.15

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 5.27

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 5.27

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 8.33

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-12hr-90%.R32
```

```
      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 8.33

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 2.96

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 2.96

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 10.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 10.50

Time(hrs)       Print Inc(min)
--------------- ---------------
```

```
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 6.51

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 6.51

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 3.86

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 3.86

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-1hr-10%.R32



      Override Defaults: Yes
```

```
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 1.81

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 1.81

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 4.58

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 4.58

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------
         Name: 2yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 3.22

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
```

```
         Name: 2yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 3.22

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 50-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 9.76

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 50-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 9.76

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 50-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 3.26

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 50-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 3.26
```

```
Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 50-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 12.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 50-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 12.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 50-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 7.50

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 50-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 7.50

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 5yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-12hr-10%.R32
```

```
      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 5.38

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 5yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 5.38

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 5yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 2.24

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 5yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 2.24

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 5yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 6.52

Time(hrs)       Print Inc(min)
--------------- ---------------
```

```
24.000          30.00

--------------------------------------------------------------------------------------------------
         Name: 5yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 6.52

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

--------------------------------------------------------------------------------------------------
         Name: 5yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 4.39

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

--------------------------------------------------------------------------------------------------
         Name: 5yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 4.39

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

==================================================================================================
==== Routing Simulations ========================================================================
==================================================================================================

         Name: 100-12hr-10%        Hydrology Sim: 100-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-12hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
```

999.000 15.000

Group Run
BASE Yes

Name: 100-12hr-90% Hydrology Sim: 100-12hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-12hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
999.000 15.000

Group Run
BASE Yes

Name: 100-1hr-10% Hydrology Sim: 100-1hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-1hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
999.000 5.000

Group Run
BASE Yes

Name: 100-1hr-90% Hydrology Sim: 100-1hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-1hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500

```
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-----------------------------------------------------------------------------------------------
         Name: 100-24hr-10%        Hydrology Sim: 100-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-24hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-----------------------------------------------------------------------------------------------
         Name: 100-24hr-90%        Hydrology Sim: 100-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-24hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                   End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-----------------------------------------------------------------------------------------------
```

```
         Name: 100-6hr-10%         Hydrology Sim: 100-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-6hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100-6hr-90%         Hydrology Sim: 100-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\100-6hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-10%       Hydrology Sim: 10yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-12hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
```

```
-------------- ---------------
999.000         15.000

Group           Run
-------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-90%       Hydrology Sim: 10yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-12hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
-------------- ---------------
999.000         15.000

Group           Run
-------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-10%        Hydrology Sim: 10yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-1hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
-------------- ---------------
999.000         5.000

Group           Run
-------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-90%        Hydrology Sim: 10yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-1hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No
```

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-10%       Hydrology Sim: 10yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-24hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-90%       Hydrology Sim: 10yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-24hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes
```

Name: 10yr-6hr-10% Hydrology Sim: 10yr-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-6hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 10yr-6hr-90% Hydrology Sim: 10yr-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\10yr-6hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 25yr-12hr-10% Hydrology Sim: 25yr-12hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-12hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 25yr-12hr-90% Hydrology Sim: 25yr-12hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-12hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 25yr-1hr-10% Hydrology Sim: 25yr-1hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-1hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 25yr-1hr-90% Hydrology Sim: 25yr-1hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-1hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-----------------------------------------------------------------------------------------------
         Name: 25yr-24hr-10%       Hydrology Sim: 25yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-24hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-----------------------------------------------------------------------------------------------
         Name: 25yr-24hr-90%       Hydrology Sim: 25yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-24hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes
```

Name: 25yr-6hr-10% Hydrology Sim: 25yr-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-6hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 25yr-6hr-90% Hydrology Sim: 25yr-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\25yr-6hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 2yr-12hr-10% Hydrology Sim: 2yr-12hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-12hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
---------- ----------
999.000 15.000

Group Run
---------- -----
BASE Yes

Name: 2yr-12hr-90% Hydrology Sim: 2yr-12hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-12hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
---------- ----------
999.000 15.000

Group Run
---------- -----
BASE Yes

Name: 2yr-1hr-10% Hydrology Sim: 2yr-1hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-1hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
---------- ----------
999.000 10.000

Group Run
---------- -----
BASE Yes

Name: 2yr-1hr-90% Hydrology Sim: 2yr-1hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-1hr-90%.I32

Execute: Yes Restart: No Patch: No

```
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 2yr-24hr-10%        Hydrology Sim: 2yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-24hr-10%.I32



     Execute: Yes         Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 48.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         30.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 2yr-24hr-90%        Hydrology Sim: 2yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-24hr-90%.I32



     Execute: Yes         Restart: No            Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 48.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         30.000

Group           Run
--------------- -----
BASE            Yes
```

Name: 2yr-6hr-10% Hydrology Sim: 2yr-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-6hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 2yr-6hr-90% Hydrology Sim: 2yr-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\2yr-6hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 50-12hr-10% Hydrology Sim: 50-12hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-12hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)   Print Inc(min)
--------------- ---------------
999.000   15.000

Group   Run
--------------- -----
BASE   Yes

         Name: 50-12hr-90%   Hydrology Sim: 50-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-12hr-90%.I32

      Execute: Yes   Restart: No   Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000   End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000   Max Calc Time(sec): 60.0000
        Boundary Stages: Boundary Flows:

Time(hrs)   Print Inc(min)
--------------- ---------------
999.000   15.000

Group   Run
--------------- -----
BASE   Yes

         Name: 50-1hr-10%   Hydrology Sim: 50-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-1hr-10%.I32

      Execute: Yes   Restart: No   Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000   End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000   Max Calc Time(sec): 60.0000
        Boundary Stages: Boundary Flows:

Time(hrs)   Print Inc(min)
--------------- ---------------
999.000   5.000

Group   Run
--------------- -----
BASE   Yes

         Name: 50-1hr-90%   Hydrology Sim: 50-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-1hr-90%.I32

```
     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 2.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
        Name: 50-24hr-10%         Hydrology Sim: 50-24hr-10%
    Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-24hr-10%.I32



     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 48.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
        Name: 50-24hr-90%         Hydrology Sim: 50-24hr-90%
    Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-24hr-90%.I32



     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 48.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
```

BASE Yes

Name: 50-6hr-10% Hydrology Sim: 50-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-6hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 50-6hr-90% Hydrology Sim: 50-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\50-6hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 5yr-12hr-10% Hydrology Sim: 5yr-12hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-12hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
---------- ----------
999.000 15.000

Group Run
---------- -----
BASE Yes

Name: 5yr-12hr-90% Hydrology Sim: 5yr-12hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-12hr-90%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
---------- ----------
999.000 15.000

Group Run
---------- -----
BASE Yes

Name: 5yr-1hr-10% Hydrology Sim: 5yr-1hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-1hr-10%.I32

Execute: Yes Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
---------- ----------
999.000 10.000

Group Run
---------- -----
BASE Yes

Name: 5yr-1hr-90% Hydrology Sim: 5yr-1hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-1hr-90%.I32

```
     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 2.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 5yr-24hr-10%        Hydrology Sim: 5yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-24hr-10%.I32



     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 48.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         30.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 5yr-24hr-90%        Hydrology Sim: 5yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-24hr-90%.I32



     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 48.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         30.000

Group           Run
```

```
-------------- -----
BASE           Yes


-------------------------------------------------------------------------------------------------
         Name: 5yr-6hr-10%         Hydrology Sim: 5yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-6hr-10%.I32



      Execute: Yes         Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)      Print Inc(min)
-------------- --------------
999.000        10.000

Group          Run
-------------- -----
BASE           Yes


-------------------------------------------------------------------------------------------------
         Name: 5yr-6hr-90%         Hydrology Sim: 5yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\EC\5yr-6hr-90%.I32



      Execute: Yes         Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)      Print Inc(min)
-------------- --------------
999.000        10.000

Group          Run
-------------- -----
BASE           Yes
```

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
100-12hr-10%	Basin-01	BASE	1.22	36.97	8.017	296819
100-12hr-10%	Basin-02	BASE	2.33	117.75	6.351	1125106
100-12hr-10%	Basin-05	BASE	1.30	82.34	8.732	671954
100-12hr-10%	Basin-06	BASE	2.67	330.41	6.480	3403831
100-12hr-10%	Basin-07	BASE	2.00	132.34	6.120	1159585
100-12hr-10%	Basin_01PC	BASE	1.19	37.48	8.112	300357
100-12hr-10%	Basin_02PC	BASE	2.33	119.27	6.405	1134623
100-12hr-10%	Basin_03	BASE	1.43	14.56	6.110	117549
100-12hr-10%	Basin_03PC	BASE	1.43	15.04	6.299	121180
100-12hr-10%	Basin_04	BASE	1.75	102.23	7.376	880845
100-12hr-10%	Basin_04PC	BASE	1.67	103.43	7.448	889547
100-12hr-10%	Basin_05PC	BASE	1.30	82.66	8.758	674002
100-12hr-10%	Basin_06PC	BASE	2.67	332.43	6.509	3419101
100-12hr-10%	Basin_07PC	BASE	1.92	134.32	6.194	1173598
100-12hr-90%	Basin-01	BASE	12.01	32.54	7.851	290704
100-12hr-90%	Basin-02	BASE	12.25	109.88	6.090	1078886
100-12hr-90%	Basin-05	BASE	12.03	67.85	8.567	659284
100-12hr-90%	Basin-06	BASE	12.42	302.08	6.217	3265618
100-12hr-90%	Basin-07	BASE	12.08	128.19	5.863	1110936
100-12hr-90%	Basin_01PC	BASE	11.98	33.04	8.053	298172
100-12hr-90%	Basin_02PC	BASE	12.25	111.10	6.143	1088253
100-12hr-90%	Basin_03	BASE	12.02	15.08	6.004	115502
100-12hr-90%	Basin_03PC	BASE	12.01	15.30	6.151	118333
100-12hr-90%	Basin_04	BASE	12.08	91.44	7.099	847769
100-12hr-90%	Basin_04PC	BASE	12.08	92.04	7.170	856345
100-12hr-90%	Basin_05PC	BASE	12.02	67.94	8.589	660962
100-12hr-90%	Basin_06PC	BASE	12.42	303.64	6.246	3280624
100-12hr-90%	Basin_07PC	BASE	12.08	129.73	5.935	1124686
100-1hr-10%	Basin-01	BASE	0.61	16.53	1.315	48673
100-1hr-10%	Basin-02	BASE	1.42	24.75	0.676	119699
100-1hr-10%	Basin-05	BASE	0.72	40.85	1.630	125473
100-1hr-10%	Basin-06	BASE	1.67	63.24	0.717	376695
100-1hr-10%	Basin-07	BASE	1.17	31.40	0.605	114577
100-1hr-10%	Basin_01PC	BASE	0.60	17.25	1.341	49667
100-1hr-10%	Basin_02PC	BASE	1.42	25.76	0.694	122868
100-1hr-10%	Basin_03	BASE	0.88	4.43	0.597	11485
100-1hr-10%	Basin_03PC	BASE	0.85	4.81	0.637	12256
100-1hr-10%	Basin_04	BASE	1.00	35.11	1.040	124239
100-1hr-10%	Basin_04PC	BASE	1.00	36.25	1.069	127648
100-1hr-10%	Basin_05PC	BASE	0.72	41.28	1.642	126346
100-1hr-10%	Basin_06PC	BASE	1.67	64.38	0.727	381642
100-1hr-10%	Basin_07PC	BASE	1.17	32.76	0.627	118738
100-1hr-90%	Basin-01	BASE	1.16	31.67	1.289	47727
100-1hr-90%	Basin-02	BASE	1.75	27.33	0.676	119699
100-1hr-90%	Basin-05	BASE	1.16	49.69	1.209	93017
100-1hr-90%	Basin-06	BASE	2.00	67.20	0.717	376695
100-1hr-90%	Basin-07	BASE	1.50	38.50	0.605	114577
100-1hr-90%	Basin_01PC	BASE	1.14	29.97	1.189	44009
100-1hr-90%	Basin_02PC	BASE	1.75	28.56	0.694	122868
100-1hr-90%	Basin_03	BASE	1.15	7.53	0.548	10547
100-1hr-90%	Basin_03PC	BASE	1.11	6.27	0.437	8415
100-1hr-90%	Basin_04	BASE	1.42	46.70	1.040	124239
100-1hr-90%	Basin_04PC	BASE	1.42	48.40	1.069	127648
100-1hr-90%	Basin_05PC	BASE	1.15	48.63	1.176	90464
100-1hr-90%	Basin_06PC	BASE	2.00	68.47	0.727	381642
100-1hr-90%	Basin_07PC	BASE	1.50	40.54	0.627	118738
100-24hr-10%	Basin-01	BASE	1.22	33.58	11.153	412969
100-24hr-10%	Basin-02	BASE	2.67	114.74	9.274	1642791
100-24hr-10%	Basin-05	BASE	1.30	75.10	11.932	918235
100-24hr-10%	Basin-06	BASE	3.00	328.24	9.423	4949494
100-24hr-10%	Basin-07	BASE	2.25	126.18	9.004	1706045
100-24hr-10%	Basin_01PC	BASE	1.19	34.12	11.258	416857
100-24hr-10%	Basin_02PC	BASE	2.58	115.96	9.335	1653625
100-24hr-10%	Basin_03	BASE	1.65	13.62	8.989	172945
100-24hr-10%	Basin_03PC	BASE	1.64	14.04	9.210	177185
100-24hr-10%	Basin_04	BASE	1.92	95.32	10.444	1247251

100-24hr-10%	Basin_04PC	BASE	1.83	96.38	10.526	1257119
100-24hr-10%	Basin_05PC	BASE	1.30	75.42	11.961	920439
100-24hr-10%	Basin_06PC	BASE	3.00	329.93	9.457	4967193
100-24hr-10%	Basin_07PC	BASE	2.25	127.73	9.090	1722508
100-24hr-90%	Basin-01	BASE	23.96	36.88	11.000	407293
100-24hr-90%	Basin-02	BASE	24.33	135.55	9.274	1642791
100-24hr-90%	Basin-05	BASE	24.05	76.21	11.851	911990
100-24hr-90%	Basin-06	BASE	24.50	376.11	9.423	4949494
100-24hr-90%	Basin-07	BASE	24.17	156.73	9.004	1706045
100-24hr-90%	Basin_01PC	BASE	23.97	37.10	11.130	412117
100-24hr-90%	Basin_02PC	BASE	24.33	136.58	9.335	1653625
100-24hr-90%	Basin_03	BASE	23.99	17.76	8.940	172003
100-24hr-90%	Basin_03PC	BASE	23.96	17.90	9.063	174371
100-24hr-90%	Basin_04	BASE	24.08	107.77	10.444	1247251
100-24hr-90%	Basin_04PC	BASE	24.08	108.39	10.526	1257119
100-24hr-90%	Basin_05PC	BASE	24.05	76.25	11.868	913286
100-24hr-90%	Basin_06PC	BASE	24.50	377.44	9.457	4967193
100-24hr-90%	Basin_07PC	BASE	24.17	158.07	9.090	1722508
100-6hr-10%	Basin-01	BASE	1.05	39.53	5.455	201979
100-6hr-10%	Basin-02	BASE	2.00	106.52	4.043	716201
100-6hr-10%	Basin-05	BASE	1.16	87.85	6.091	468767
100-6hr-10%	Basin-06	BASE	2.25	287.91	4.149	2179229
100-6hr-10%	Basin-07	BASE	1.67	125.51	3.855	730391
100-6hr-10%	Basin_01PC	BASE	1.03	40.18	5.539	205087
100-6hr-10%	Basin_02PC	BASE	1.92	108.44	4.088	724117
100-6hr-10%	Basin_03	BASE	1.21	14.85	3.848	74041
100-6hr-10%	Basin_03PC	BASE	1.16	15.46	4.002	76989
100-6hr-10%	Basin_04	BASE	1.50	102.35	4.899	585042
100-6hr-10%	Basin_04PC	BASE	1.42	103.90	4.960	592415
100-6hr-10%	Basin_05PC	BASE	1.15	88.29	6.115	470617
100-6hr-10%	Basin_06PC	BASE	2.25	290.32	4.173	2191758
100-6hr-10%	Basin_07PC	BASE	1.58	127.96	3.914	741701
100-6hr-90%	Basin-01	BASE	5.98	31.30	5.379	199160
100-6hr-90%	Basin-02	BASE	6.42	98.51	4.043	716201
100-6hr-90%	Basin-05	BASE	5.94	66.23	5.896	453734
100-6hr-90%	Basin-06	BASE	6.58	266.03	4.149	2179229
100-6hr-90%	Basin-07	BASE	6.17	117.00	3.855	730391
100-6hr-90%	Basin_01PC	BASE	5.96	31.50	5.426	200897
100-6hr-90%	Basin_02PC	BASE	6.33	100.11	4.088	724117
100-6hr-90%	Basin_03	BASE	5.98	13.55	3.802	73141
100-6hr-90%	Basin_03PC	BASE	5.98	13.89	3.936	75730
100-6hr-90%	Basin_04	BASE	6.08	88.06	4.899	585042
100-6hr-90%	Basin_04PC	BASE	6.08	88.97	4.960	592415
100-6hr-90%	Basin_05PC	BASE	5.98	66.86	6.036	464525
100-6hr-90%	Basin_06PC	BASE	6.58	267.87	4.173	2191758
100-6hr-90%	Basin_07PC	BASE	6.17	118.89	3.914	741701
10yr-12hr-10%	Basin-01	BASE	1.44	17.16	3.742	138560
10yr-12hr-10%	Basin-02	BASE	2.58	48.56	2.568	454851
10yr-12hr-10%	Basin-05	BASE	1.45	40.29	4.300	330880
10yr-12hr-10%	Basin-06	BASE	2.83	137.86	2.653	1393334
10yr-12hr-10%	Basin-07	BASE	2.25	53.34	2.418	458134
10yr-12hr-10%	Basin_01PC	BASE	1.41	17.53	3.815	141245
10yr-12hr-10%	Basin_02PC	BASE	2.50	49.41	2.604	461264
10yr-12hr-10%	Basin_03	BASE	1.70	5.84	2.414	46442
10yr-12hr-10%	Basin_03PC	BASE	1.64	6.13	2.536	48783
10yr-12hr-10%	Basin_04	BASE	1.92	45.62	3.268	390327
10yr-12hr-10%	Basin_04PC	BASE	1.92	46.38	3.320	396473
10yr-12hr-10%	Basin_05PC	BASE	1.44	40.51	4.321	332527
10yr-12hr-10%	Basin_06PC	BASE	2.83	139.09	2.672	1403404
10yr-12hr-10%	Basin_07PC	BASE	2.17	54.52	2.465	467070
10yr-12hr-90%	Basin-01	BASE	12.01	17.26	3.654	135276
10yr-12hr-90%	Basin-02	BASE	12.33	50.37	2.440	432232
10yr-12hr-90%	Basin-05	BASE	12.03	37.12	4.208	323868
10yr-12hr-90%	Basin-06	BASE	12.50	138.36	2.523	1325129
10yr-12hr-90%	Basin-07	BASE	12.08	58.61	2.294	434689
10yr-12hr-90%	Basin_01PC	BASE	12.04	17.63	3.783	140065
10yr-12hr-90%	Basin_02PC	BASE	12.25	51.19	2.475	438487
10yr-12hr-90%	Basin_03	BASE	12.02	7.11	2.363	45453
10yr-12hr-90%	Basin_03PC	BASE	12.01	7.31	2.463	47392

10yr-12hr-90%	Basin_04	BASE	12.08	46.10	3.124	373138
10yr-12hr-90%	Basin_04PC	BASE	12.08	46.63	3.175	379154
10yr-12hr-90%	Basin_05PC	BASE	12.02	37.21	4.227	325303
10yr-12hr-90%	Basin_06PC	BASE	12.50	139.38	2.541	1334945
10yr-12hr-90%	Basin_07PC	BASE	12.08	59.74	2.340	443383
10yr-1hr-10%	Basin-01	BASE	0.83	8.64	0.661	24471
10yr-1hr-10%	Basin-02	BASE	1.50	9.51	0.254	44983
10yr-1hr-10%	Basin-05	BASE	0.80	22.57	0.891	68532
10yr-1hr-10%	Basin-06	BASE	1.75	24.80	0.278	145955
10yr-1hr-10%	Basin-07	BASE	1.25	11.63	0.214	40545
10yr-1hr-10%	Basin_01PC	BASE	0.81	9.00	0.681	25223
10yr-1hr-10%	Basin_02PC	BASE	1.50	10.02	0.264	46818
10yr-1hr-10%	Basin_03	BASE	0.93	1.77	0.210	4048
10yr-1hr-10%	Basin_03PC	BASE	0.90	2.02	0.234	4502
10yr-1hr-10%	Basin_04	BASE	1.08	16.65	0.477	56957
10yr-1hr-10%	Basin_04PC	BASE	1.08	17.33	0.495	59159
10yr-1hr-10%	Basin_05PC	BASE	0.79	22.84	0.899	69203
10yr-1hr-10%	Basin_06PC	BASE	1.75	25.39	0.283	148837
10yr-1hr-10%	Basin_07PC	BASE	1.17	12.40	0.226	42852
10yr-1hr-90%	Basin-01	BASE	1.16	16.44	0.646	23911
10yr-1hr-90%	Basin-02	BASE	1.83	10.28	0.254	44983
10yr-1hr-90%	Basin-05	BASE	1.16	26.33	0.631	48526
10yr-1hr-90%	Basin-06	BASE	2.08	26.07	0.278	145955
10yr-1hr-90%	Basin-07	BASE	1.50	13.73	0.214	40545
10yr-1hr-90%	Basin_01PC	BASE	1.14	15.42	0.591	21875
10yr-1hr-90%	Basin_02PC	BASE	1.75	10.90	0.264	46818
10yr-1hr-90%	Basin_03	BASE	1.15	2.61	0.187	3603
10yr-1hr-90%	Basin_03PC	BASE	1.16	2.04	0.140	2687
10yr-1hr-90%	Basin_04	BASE	1.42	21.67	0.477	56957
10yr-1hr-90%	Basin_04PC	BASE	1.42	22.74	0.495	59159
10yr-1hr-90%	Basin_05PC	BASE	1.15	25.70	0.612	47076
10yr-1hr-90%	Basin_06PC	BASE	2.08	26.71	0.283	148837
10yr-1hr-90%	Basin_07PC	BASE	1.50	14.78	0.226	42852
10yr-24hr-10%	Basin-01	BASE	1.60	14.95	5.112	189270
10yr-24hr-10%	Basin-02	BASE	3.00	45.62	3.742	662842
10yr-24hr-10%	Basin-05	BASE	1.67	34.98	5.735	441305
10yr-24hr-10%	Basin-06	BASE	3.33	132.45	3.844	2019039
10yr-24hr-10%	Basin-07	BASE	2.67	48.82	3.560	674634
10yr-24hr-10%	Basin_01PC	BASE	1.63	15.26	5.194	192305
10yr-24hr-10%	Basin_02PC	BASE	3.00	46.31	3.785	670491
10yr-24hr-10%	Basin_03	BASE	2.14	5.22	3.555	68389
10yr-24hr-10%	Basin_03PC	BASE	2.12	5.46	3.702	71227
10yr-24hr-10%	Basin_04	BASE	2.25	40.54	4.570	545764
10yr-24hr-10%	Basin_04PC	BASE	2.25	41.15	4.630	552919
10yr-24hr-10%	Basin_05PC	BASE	1.66	35.17	5.758	443121
10yr-24hr-10%	Basin_06PC	BASE	3.33	133.44	3.867	2031125
10yr-24hr-10%	Basin_07PC	BASE	2.58	49.72	3.618	685512
10yr-24hr-90%	Basin-01	BASE	23.96	19.11	5.032	186300
10yr-24hr-90%	Basin-02	BASE	24.33	62.97	3.742	662842
10yr-24hr-90%	Basin-05	BASE	24.05	40.56	5.691	437958
10yr-24hr-90%	Basin-06	BASE	24.50	174.68	3.844	2019039
10yr-24hr-90%	Basin-07	BASE	24.17	72.58	3.560	674634
10yr-24hr-90%	Basin_01PC	BASE	23.97	19.30	5.127	189815
10yr-24hr-90%	Basin_02PC	BASE	24.33	63.76	3.785	670491
10yr-24hr-90%	Basin_03	BASE	23.99	8.34	3.531	67938
10yr-24hr-90%	Basin_03PC	BASE	23.96	8.50	3.631	69866
10yr-24hr-90%	Basin_04	BASE	24.08	53.79	4.570	545764
10yr-24hr-90%	Basin_04PC	BASE	24.08	54.31	4.630	552919
10yr-24hr-90%	Basin_05PC	BASE	24.05	40.62	5.708	439283
10yr-24hr-90%	Basin_06PC	BASE	24.50	175.71	3.867	2031125
10yr-24hr-90%	Basin_07PC	BASE	24.17	73.62	3.618	685512
10yr-6hr-10%	Basin-01	BASE	1.16	19.32	2.622	97085
10yr-6hr-10%	Basin-02	BASE	2.08	44.74	1.653	292764
10yr-6hr-10%	Basin-05	BASE	1.23	45.38	3.107	239073
10yr-6hr-10%	Basin-06	BASE	2.33	121.92	1.720	903620
10yr-6hr-10%	Basin-07	BASE	1.75	51.67	1.534	290752
10yr-6hr-10%	Basin_01PC	BASE	1.14	19.78	2.684	99387
10yr-6hr-10%	Basin_02PC	BASE	2.08	45.81	1.682	297900
10yr-6hr-10%	Basin_03	BASE	1.32	6.14	1.532	29474

10yr-6hr-10%	Basin_03PC	BASE	1.32	6.52	1.628	31318
10yr-6hr-10%	Basin_04	BASE	1.58	47.50	2.222	265347
10yr-6hr-10%	Basin_04PC	BASE	1.58	48.47	2.264	270438
10yr-6hr-10%	Basin_05PC	BASE	1.22	45.69	3.126	240529
10yr-6hr-10%	Basin_06PC	BASE	2.33	123.36	1.736	911651
10yr-6hr-10%	Basin_07PC	BASE	1.75	53.14	1.571	297760
10yr-6hr-90%	Basin-01	BASE	5.98	16.99	2.580	95518
10yr-6hr-90%	Basin-02	BASE	6.42	44.83	1.653	292764
10yr-6hr-90%	Basin-05	BASE	6.01	37.30	2.994	230416
10yr-6hr-90%	Basin-06	BASE	6.58	120.27	1.720	903620
10yr-6hr-90%	Basin-07	BASE	6.25	53.19	1.534	290752
10yr-6hr-90%	Basin_01PC	BASE	5.96	17.20	2.621	97046
10yr-6hr-90%	Basin_02PC	BASE	6.42	45.82	1.682	297900
10yr-6hr-90%	Basin_03	BASE	6.04	6.40	1.509	29032
10yr-6hr-90%	Basin_03PC	BASE	6.03	6.67	1.595	30692
10yr-6hr-90%	Basin_04	BASE	6.17	44.99	2.222	265347
10yr-6hr-90%	Basin_04PC	BASE	6.17	45.67	2.264	270438
10yr-6hr-90%	Basin_05PC	BASE	6.05	37.72	3.080	237013
10yr-6hr-90%	Basin_06PC	BASE	6.58	121.57	1.736	911651
10yr-6hr-90%	Basin_07PC	BASE	6.17	54.47	1.571	297760
25yr-12hr-10%	Basin-01	BASE	1.33	24.22	5.274	195279
25yr-12hr-10%	Basin-02	BASE	2.50	72.64	3.884	688017
25yr-12hr-10%	Basin-05	BASE	1.38	55.46	5.903	454298
25yr-12hr-10%	Basin-06	BASE	2.75	205.17	3.988	2094630
25yr-12hr-10%	Basin-07	BASE	2.08	80.75	3.699	700930
25yr-12hr-10%	Basin_01PC	BASE	1.36	24.65	5.357	198349
25yr-12hr-10%	Basin_02PC	BASE	2.42	73.79	3.928	695793
25yr-12hr-10%	Basin_03	BASE	1.59	8.86	3.693	71055
25yr-12hr-10%	Basin_03PC	BASE	1.59	9.22	3.844	73945
25yr-12hr-10%	Basin_04	BASE	1.83	65.65	4.725	564321
25yr-12hr-10%	Basin_04PC	BASE	1.83	66.58	4.786	571580
25yr-12hr-10%	Basin_05PC	BASE	1.37	55.72	5.927	456130
25yr-12hr-10%	Basin_06PC	BASE	2.75	206.73	4.011	2106928
25yr-12hr-10%	Basin_07PC	BASE	2.08	82.21	3.758	712015
25yr-12hr-90%	Basin-01	BASE	12.01	22.91	5.157	190946
25yr-12hr-90%	Basin-02	BASE	12.25	71.89	3.707	656744
25yr-12hr-90%	Basin-05	BASE	12.03	48.51	5.785	445190
25yr-12hr-90%	Basin-06	BASE	12.42	197.48	3.809	2000724
25yr-12hr-90%	Basin-07	BASE	12.08	83.82	3.527	668266
25yr-12hr-90%	Basin_01PC	BASE	12.04	23.33	5.315	196797
25yr-12hr-90%	Basin_02PC	BASE	12.25	72.92	3.750	664361
25yr-12hr-90%	Basin_03	BASE	12.02	10.02	3.622	69679
25yr-12hr-90%	Basin_03PC	BASE	12.01	10.23	3.743	72020
25yr-12hr-90%	Basin_04	BASE	12.08	62.79	4.532	541262
25yr-12hr-90%	Basin_04PC	BASE	12.08	63.36	4.592	548391
25yr-12hr-90%	Basin_05PC	BASE	12.02	48.60	5.805	446752
25yr-12hr-90%	Basin_06PC	BASE	12.42	198.81	3.832	2012758
25yr-12hr-90%	Basin_07PC	BASE	12.08	85.14	3.584	679094
25yr-1hr-10%	Basin-01	BASE	0.77	11.46	0.905	33501
25yr-1hr-10%	Basin-02	BASE	1.50	14.88	0.403	71320
25yr-1hr-10%	Basin-05	BASE	0.80	29.36	1.171	90147
25yr-1hr-10%	Basin-06	BASE	1.67	38.42	0.434	227757
25yr-1hr-10%	Basin-07	BASE	1.17	18.62	0.350	66352
25yr-1hr-10%	Basin_01PC	BASE	0.81	11.88	0.928	34363
25yr-1hr-10%	Basin_02PC	BASE	1.42	15.59	0.416	73695
25yr-1hr-10%	Basin_03	BASE	0.88	2.74	0.345	6638
25yr-1hr-10%	Basin_03PC	BASE	0.90	3.03	0.375	7224
25yr-1hr-10%	Basin_04	BASE	1.08	23.36	0.683	81597
25yr-1hr-10%	Basin_04PC	BASE	1.00	24.22	0.706	84295
25yr-1hr-10%	Basin_05PC	BASE	0.72	29.70	1.181	90907
25yr-1hr-10%	Basin_06PC	BASE	1.67	39.26	0.441	231472
25yr-1hr-10%	Basin_07PC	BASE	1.17	19.68	0.366	69402
25yr-1hr-90%	Basin-01	BASE	1.16	22.20	0.886	32791
25yr-1hr-90%	Basin-02	BASE	1.75	16.29	0.403	71320
25yr-1hr-90%	Basin-05	BASE	1.16	35.18	0.848	65254
25yr-1hr-90%	Basin-06	BASE	2.00	40.64	0.434	227757
25yr-1hr-90%	Basin-07	BASE	1.50	22.40	0.350	66352
25yr-1hr-90%	Basin_01PC	BASE	1.14	20.92	0.813	30114
25yr-1hr-90%	Basin_02PC	BASE	1.75	17.15	0.416	73695

25yr-1hr-90%	Basin_03	BASE	1.15	4.33	0.312	6008
25yr-1hr-90%	Basin_03PC	BASE	1.11	3.49	0.242	4647
25yr-1hr-90%	Basin_04	BASE	1.42	30.89	0.683	81597
25yr-1hr-90%	Basin_04PC	BASE	1.42	32.22	0.706	84295
25yr-1hr-90%	Basin_05PC	BASE	1.15	34.39	0.824	63381
25yr-1hr-90%	Basin_06PC	BASE	2.00	41.54	0.441	231472
25yr-1hr-90%	Basin_07PC	BASE	1.50	23.84	0.366	69402
25yr-24hr-10%	Basin-01	BASE	1.60	21.60	7.268	269103
25yr-24hr-10%	Basin-02	BASE	2.83	69.42	5.667	1003963
25yr-24hr-10%	Basin-05	BASE	1.59	49.13	7.963	612831
25yr-24hr-10%	Basin-06	BASE	3.17	200.27	5.790	3041477
25yr-24hr-10%	Basin-07	BASE	2.42	75.20	5.447	1032139
25yr-24hr-10%	Basin_01PC	BASE	1.57	21.90	7.361	272532
25yr-24hr-10%	Basin_02PC	BASE	2.83	70.30	5.719	1013073
25yr-24hr-10%	Basin_03	BASE	2.09	8.00	5.438	104630
25yr-24hr-10%	Basin_03PC	BASE	1.69	8.28	5.618	108082
25yr-24hr-10%	Basin_04	BASE	2.08	59.62	6.648	793989
25yr-24hr-10%	Basin_04PC	BASE	2.08	60.38	6.718	802348
25yr-24hr-10%	Basin_05PC	BASE	1.58	49.33	7.989	614830
25yr-24hr-10%	Basin_06PC	BASE	3.17	201.54	5.818	3056034
25yr-24hr-10%	Basin_07PC	BASE	2.33	76.38	5.517	1045443
25yr-24hr-90%	Basin-01	BASE	23.96	25.63	7.161	265140
25yr-24hr-90%	Basin-02	BASE	24.33	89.31	5.667	1003963
25yr-24hr-90%	Basin-05	BASE	24.05	53.63	7.906	608421
25yr-24hr-90%	Basin-06	BASE	24.50	247.78	5.790	3041477
25yr-24hr-90%	Basin-07	BASE	24.17	103.13	5.447	1032139
25yr-24hr-90%	Basin_01PC	BASE	23.97	25.83	7.271	269217
25yr-24hr-90%	Basin_02PC	BASE	24.33	90.22	5.719	1013073
25yr-24hr-90%	Basin_03	BASE	23.99	11.77	5.406	104000
25yr-24hr-90%	Basin_03PC	BASE	23.96	11.93	5.520	106191
25yr-24hr-90%	Basin_04	BASE	24.08	73.55	6.648	793989
25yr-24hr-90%	Basin_04PC	BASE	24.08	74.12	6.718	802348
25yr-24hr-90%	Basin_05PC	BASE	24.05	53.69	7.924	609777
25yr-24hr-90%	Basin_06PC	BASE	24.50	248.95	5.818	3056034
25yr-24hr-90%	Basin_07PC	BASE	24.17	104.30	5.517	1045443
25yr-6hr-10%	Basin-01	BASE	1.11	26.77	3.665	135683
25yr-6hr-10%	Basin-02	BASE	2.00	66.79	2.503	443336
25yr-6hr-10%	Basin-05	BASE	1.16	61.22	4.218	324565
25yr-6hr-10%	Basin-06	BASE	2.33	181.35	2.587	1358618
25yr-6hr-10%	Basin-07	BASE	1.67	77.84	2.355	446196
25yr-6hr-10%	Basin_01PC	BASE	1.14	27.31	3.736	138345
25yr-6hr-10%	Basin_02PC	BASE	2.00	68.27	2.538	449670
25yr-6hr-10%	Basin_03	BASE	1.26	9.24	2.351	45232
25yr-6hr-10%	Basin_03PC	BASE	1.27	9.71	2.471	47542
25yr-6hr-10%	Basin_04	BASE	1.50	67.54	3.195	381585
25yr-6hr-10%	Basin_04PC	BASE	1.50	68.80	3.246	387665
25yr-6hr-10%	Basin_05PC	BASE	1.15	61.57	4.239	326200
25yr-6hr-10%	Basin_06PC	BASE	2.33	183.08	2.605	1368559
25yr-6hr-10%	Basin_07PC	BASE	1.67	79.84	2.401	455010
25yr-6hr-90%	Basin-01	BASE	5.98	22.44	3.609	133639
25yr-6hr-90%	Basin-02	BASE	6.42	64.63	2.503	443336
25yr-6hr-90%	Basin-05	BASE	5.94	48.30	4.073	313469
25yr-6hr-90%	Basin-06	BASE	6.58	173.91	2.587	1358618
25yr-6hr-90%	Basin-07	BASE	6.17	76.67	2.355	446196
25yr-6hr-90%	Basin_01PC	BASE	5.96	22.65	3.654	135299
25yr-6hr-90%	Basin_02PC	BASE	6.42	65.78	2.538	449670
25yr-6hr-90%	Basin_03	BASE	6.04	9.05	2.319	44618
25yr-6hr-90%	Basin_03PC	BASE	5.98	9.35	2.426	46678
25yr-6hr-90%	Basin_04	BASE	6.17	61.16	3.195	381585
25yr-6hr-90%	Basin_04PC	BASE	6.17	61.89	3.246	387665
25yr-6hr-90%	Basin_05PC	BASE	5.98	48.85	4.180	321699
25yr-6hr-90%	Basin_06PC	BASE	6.58	175.45	2.605	1368559
25yr-6hr-90%	Basin_07PC	BASE	6.17	78.28	2.401	455010
2yr-12hr-10%	Basin-01	BASE	1.66	7.08	1.526	56508
2yr-12hr-10%	Basin-02	BASE	2.83	16.29	0.822	145655
2yr-12hr-10%	Basin-05	BASE	1.67	17.93	1.909	146883
2yr-12hr-10%	Basin-06	BASE	3.17	47.09	0.868	456175
2yr-12hr-10%	Basin-07	BASE	2.50	17.31	0.743	140717
2yr-12hr-10%	Basin_01PC	BASE	1.63	7.29	1.574	58283

2yr-12hr-10%	Basin_02PC	BASE	2.83	16.74	0.842	149186
2yr-12hr-10%	Basin_03	BASE	2.09	1.90	0.741	14265
2yr-12hr-10%	Basin_03PC	BASE	2.01	2.05	0.806	15504
2yr-12hr-10%	Basin_04	BASE	2.17	17.56	1.225	146277
2yr-12hr-10%	Basin_04PC	BASE	2.17	18.00	1.256	150003
2yr-12hr-10%	Basin_05PC	BASE	1.66	18.08	1.924	148063
2yr-12hr-10%	Basin_06PC	BASE	3.17	47.69	0.879	461686
2yr-12hr-10%	Basin_07PC	BASE	2.50	17.89	0.767	145392
2yr-12hr-90%	Basin-01	BASE	12.01	8.32	1.482	54889
2yr-12hr-90%	Basin-02	BASE	12.33	18.98	0.769	136174
2yr-12hr-90%	Basin-05	BASE	12.03	18.93	1.861	143230
2yr-12hr-90%	Basin-06	BASE	12.50	52.01	0.813	427171
2yr-12hr-90%	Basin-07	BASE	12.17	21.97	0.692	131153
2yr-12hr-90%	Basin_01PC	BASE	12.04	8.60	1.558	57697
2yr-12hr-90%	Basin_02PC	BASE	12.33	19.48	0.788	139577
2yr-12hr-90%	Basin_03	BASE	12.02	2.79	0.720	13860
2yr-12hr-90%	Basin_03PC	BASE	12.01	2.94	0.776	14922
2yr-12hr-90%	Basin_04	BASE	12.08	20.37	1.158	138280
2yr-12hr-90%	Basin_04PC	BASE	12.08	20.78	1.188	141894
2yr-12hr-90%	Basin_05PC	BASE	12.02	19.02	1.875	144293
2yr-12hr-90%	Basin_06PC	BASE	12.50	52.68	0.823	432482
2yr-12hr-90%	Basin_07PC	BASE	12.17	22.62	0.716	135645
2yr-1hr-10%	Basin-01	BASE	0.89	3.99	0.277	10257
2yr-1hr-10%	Basin-02	BASE	1.58	2.23	0.057	10173
2yr-1hr-10%	Basin-05	BASE	0.87	11.35	0.426	32821
2yr-1hr-10%	Basin-06	BASE	1.83	6.21	0.068	35745
2yr-1hr-10%	Basin-07	BASE	1.33	2.40	0.041	7726
2yr-1hr-10%	Basin_01PC	BASE	0.87	4.24	0.290	10753
2yr-1hr-10%	Basin_02PC	BASE	1.58	2.44	0.062	10983
2yr-1hr-10%	Basin_03	BASE	0.99	0.41	0.040	762
2yr-1hr-10%	Basin_03PC	BASE	0.95	0.53	0.050	956
2yr-1hr-10%	Basin_04	BASE	1.17	6.24	0.169	20217
2yr-1hr-10%	Basin_04PC	BASE	1.08	6.61	0.180	21438
2yr-1hr-10%	Basin_05PC	BASE	0.86	11.53	0.433	33284
2yr-1hr-10%	Basin_06PC	BASE	1.83	6.46	0.071	37053
2yr-1hr-10%	Basin_07PC	BASE	1.33	2.71	0.046	8656
2yr-1hr-90%	Basin-01	BASE	1.16	7.07	0.269	9963
2yr-1hr-90%	Basin-02	BASE	1.83	2.33	0.057	10173
2yr-1hr-90%	Basin-05	BASE	1.16	11.84	0.281	21622
2yr-1hr-90%	Basin-06	BASE	2.08	6.40	0.068	35745
2yr-1hr-90%	Basin-07	BASE	1.50	2.62	0.041	7726
2yr-1hr-90%	Basin_01PC	BASE	1.14	6.52	0.243	8992
2yr-1hr-90%	Basin_02PC	BASE	1.83	2.56	0.062	10983
2yr-1hr-90%	Basin_03	BASE	1.21	0.46	0.032	615
2yr-1hr-90%	Basin_03PC	BASE	1.16	0.28	0.019	362
2yr-1hr-90%	Basin_04	BASE	1.42	7.76	0.169	20217
2yr-1hr-90%	Basin_04PC	BASE	1.42	8.33	0.180	21438
2yr-1hr-90%	Basin_05PC	BASE	1.15	11.51	0.271	20891
2yr-1hr-90%	Basin_06PC	BASE	2.08	6.67	0.071	37053
2yr-1hr-90%	Basin_07PC	BASE	1.50	3.00	0.046	8656
2yr-24hr-10%	Basin-01	BASE	2.10	5.86	2.071	76672
2yr-24hr-10%	Basin-02	BASE	3.50	15.01	1.224	216908
2yr-24hr-10%	Basin-05	BASE	2.10	14.65	2.509	193096
2yr-24hr-10%	Basin-06	BASE	3.83	44.48	1.282	673405
2yr-24hr-10%	Basin-07	BASE	3.17	15.50	1.124	213071
2yr-24hr-10%	Basin_01PC	BASE	2.11	6.03	2.126	78734
2yr-24hr-10%	Basin_02PC	BASE	3.50	15.35	1.249	221292
2yr-24hr-10%	Basin_03	BASE	2.63	1.65	1.123	21599
2yr-24hr-10%	Basin_03PC	BASE	2.59	1.77	1.204	23158
2yr-24hr-10%	Basin_04	BASE	2.67	14.97	1.716	204918
2yr-24hr-10%	Basin_04PC	BASE	2.67	15.30	1.753	209376
2yr-24hr-10%	Basin_05PC	BASE	2.09	14.75	2.526	194428
2yr-24hr-10%	Basin_06PC	BASE	3.83	44.97	1.295	680250
2yr-24hr-10%	Basin_07PC	BASE	3.17	15.93	1.156	218973
2yr-24hr-90%	Basin-01	BASE	23.96	9.12	2.032	75226
2yr-24hr-90%	Basin-02	BASE	24.42	24.72	1.224	216908
2yr-24hr-90%	Basin-05	BASE	24.05	20.42	2.487	191386
2yr-24hr-90%	Basin-06	BASE	24.58	68.64	1.282	673405
2yr-24hr-90%	Basin-07	BASE	24.17	28.29	1.124	213071

2yr-24hr-90%	Basin_01PC	BASE	23.97	9.29	2.093	77514
2yr-24hr-90%	Basin_02PC	BASE	24.33	25.24	1.249	221292
2yr-24hr-90%	Basin_03	BASE	24.04	3.34	1.113	21413
2yr-24hr-90%	Basin_03PC	BASE	24.01	3.47	1.174	22585
2yr-24hr-90%	Basin_04	BASE	24.17	24.10	1.716	204918
2yr-24hr-90%	Basin_04PC	BASE	24.17	24.48	1.753	209376
2yr-24hr-90%	Basin_05PC	BASE	24.05	20.49	2.501	192465
2yr-24hr-90%	Basin_06PC	BASE	24.50	69.29	1.295	680250
2yr-24hr-90%	Basin_07PC	BASE	24.17	28.99	1.156	218973
2yr-6hr-10%	Basin-01	BASE	1.33	8.20	1.077	39895
2yr-6hr-10%	Basin-02	BASE	2.25	14.54	0.513	90828
2yr-6hr-10%	Basin-05	BASE	1.30	20.91	1.402	107907
2yr-6hr-10%	Basin-06	BASE	2.50	40.32	0.548	287967
2yr-6hr-10%	Basin-07	BASE	1.92	16.20	0.452	85701
2yr-6hr-10%	Basin_01PC	BASE	1.30	8.49	1.118	41379
2yr-6hr-10%	Basin_02PC	BASE	2.25	15.06	0.528	93545
2yr-6hr-10%	Basin_03	BASE	1.54	1.95	0.452	8688
2yr-6hr-10%	Basin_03PC	BASE	1.48	2.15	0.500	9627
2yr-6hr-10%	Basin_04	BASE	1.67	18.42	0.830	99098
2yr-6hr-10%	Basin_04PC	BASE	1.67	19.02	0.855	102106
2yr-6hr-10%	Basin_05PC	BASE	1.30	21.10	1.415	108926
2yr-6hr-10%	Basin_06PC	BASE	2.50	41.02	0.556	292214
2yr-6hr-10%	Basin_07PC	BASE	1.92	16.93	0.471	89228
2yr-6hr-90%	Basin-01	BASE	6.03	8.20	1.056	39111
2yr-6hr-90%	Basin-02	BASE	6.50	15.88	0.513	90828
2yr-6hr-90%	Basin-05	BASE	6.01	19.15	1.342	103304
2yr-6hr-90%	Basin-06	BASE	6.67	42.58	0.548	287967
2yr-6hr-90%	Basin-07	BASE	6.25	18.90	0.452	85701
2yr-6hr-90%	Basin_01PC	BASE	6.02	8.37	1.086	40199
2yr-6hr-90%	Basin_02PC	BASE	6.42	16.42	0.528	93545
2yr-6hr-90%	Basin_03	BASE	6.04	2.42	0.442	8509
2yr-6hr-90%	Basin_03PC	BASE	6.03	2.60	0.487	9367
2yr-6hr-90%	Basin_04	BASE	6.17	19.62	0.830	99098
2yr-6hr-90%	Basin_04PC	BASE	6.17	20.13	0.855	102106
2yr-6hr-90%	Basin_05PC	BASE	6.05	19.49	1.391	107050
2yr-6hr-90%	Basin_06PC	BASE	6.67	43.29	0.556	292214
2yr-6hr-90%	Basin_07PC	BASE	6.25	19.67	0.471	89228
50-12hr-10%	Basin-01	BASE	1.27	30.27	6.581	243677
50-12hr-10%	Basin-02	BASE	2.42	93.92	5.046	893923
50-12hr-10%	Basin-05	BASE	1.30	68.30	7.256	558428
50-12hr-10%	Basin-06	BASE	2.75	264.16	5.163	2712037
50-12hr-10%	Basin-07	BASE	2.00	104.99	4.837	916567
50-12hr-10%	Basin_01PC	BASE	1.25	30.74	6.671	246996
50-12hr-10%	Basin_02PC	BASE	2.33	95.18	5.095	902619
50-12hr-10%	Basin_03	BASE	1.54	11.53	4.829	92914
50-12hr-10%	Basin_03PC	BASE	1.48	11.94	5.000	96189
50-12hr-10%	Basin_04	BASE	1.75	83.02	5.983	714582
50-12hr-10%	Basin_04PC	BASE	1.75	84.11	6.051	722596
50-12hr-10%	Basin_05PC	BASE	1.30	68.59	7.282	560376
50-12hr-10%	Basin_06PC	BASE	2.67	265.99	5.190	2725881
50-12hr-10%	Basin_07PC	BASE	2.00	106.76	4.904	929166
50-12hr-90%	Basin-01	BASE	12.01	27.56	6.441	238484
50-12hr-90%	Basin-02	BASE	12.25	90.10	4.829	855454
50-12hr-90%	Basin-05	BASE	12.03	57.85	7.116	547601
50-12hr-90%	Basin-06	BASE	12.42	247.61	4.944	2596789
50-12hr-90%	Basin-07	BASE	12.08	105.09	4.624	876213
50-12hr-90%	Basin_01PC	BASE	12.04	28.01	6.621	245139
50-12hr-90%	Basin_02PC	BASE	12.25	91.23	4.877	863993
50-12hr-90%	Basin_03	BASE	12.02	12.45	4.741	91215
50-12hr-90%	Basin_03PC	BASE	12.01	12.67	4.877	93820
50-12hr-90%	Basin_04	BASE	12.08	76.60	5.750	686689
50-12hr-90%	Basin_04PC	BASE	12.08	77.19	5.816	694574
50-12hr-90%	Basin_05PC	BASE	12.02	57.94	7.137	549231
50-12hr-90%	Basin_06PC	BASE	12.42	249.06	4.970	2610367
50-12hr-90%	Basin_07PC	BASE	12.08	106.52	4.689	888550
50-1hr-10%	Basin-01	BASE	0.66	13.76	1.101	40776
50-1hr-10%	Basin-02	BASE	1.42	19.50	0.531	93981
50-1hr-10%	Basin-05	BASE	0.72	34.92	1.393	107210
50-1hr-10%	Basin-06	BASE	1.67	50.10	0.567	297679

50-1hr-10%	Basin-07	BASE	1.17	24.63	0.469	88843
50-1hr-10%	Basin_01PC	BASE	0.60	14.38	1.126	41708
50-1hr-10%	Basin_02PC	BASE	1.42	20.38	0.546	96751
50-1hr-10%	Basin_03	BASE	0.88	3.54	0.462	8898
50-1hr-10%	Basin_03PC	BASE	0.85	3.88	0.498	9577
50-1hr-10%	Basin_04	BASE	1.00	28.94	0.853	101884
50-1hr-10%	Basin_04PC	BASE	1.00	29.98	0.879	104938
50-1hr-10%	Basin_05PC	BASE	0.72	35.31	1.404	108029
50-1hr-10%	Basin_06PC	BASE	1.67	51.09	0.575	302006
50-1hr-10%	Basin_07PC	BASE	1.17	25.85	0.488	92443
50-1hr-90%	Basin-01	BASE	1.16	26.77	1.079	39951
50-1hr-90%	Basin-02	BASE	1.75	21.46	0.531	93981
50-1hr-90%	Basin-05	BASE	1.16	42.19	1.021	78610
50-1hr-90%	Basin-06	BASE	2.00	53.11	0.567	297679
50-1hr-90%	Basin-07	BASE	1.50	29.92	0.469	88843
50-1hr-90%	Basin_01PC	BASE	1.14	25.28	0.993	36770
50-1hr-90%	Basin_02PC	BASE	1.75	22.50	0.546	96751
50-1hr-90%	Basin_03	BASE	1.15	5.83	0.422	8120
50-1hr-90%	Basin_03PC	BASE	1.11	4.78	0.332	6391
50-1hr-90%	Basin_04	BASE	1.42	38.43	0.853	101884
50-1hr-90%	Basin_04PC	BASE	1.42	39.94	0.879	104938
50-1hr-90%	Basin_05PC	BASE	1.15	41.27	0.993	76406
50-1hr-90%	Basin_06PC	BASE	2.00	54.19	0.575	302006
50-1hr-90%	Basin_07PC	BASE	1.50	31.65	0.488	92443
50-24hr-10%	Basin-01	BASE	1.60	27.33	9.149	338761
50-24hr-10%	Basin-02	BASE	2.75	91.06	7.397	1310396
50-24hr-10%	Basin-05	BASE	1.38	61.40	9.890	761125
50-24hr-10%	Basin-06	BASE	3.08	261.56	7.534	3957511
50-24hr-10%	Basin-07	BASE	2.33	99.50	7.150	1354873
50-24hr-10%	Basin_01PC	BASE	1.57	27.67	9.249	342442
50-24hr-10%	Basin_02PC	BASE	2.67	92.11	7.454	1320453
50-24hr-10%	Basin_03	BASE	1.65	10.66	7.139	137346
50-24hr-10%	Basin_03PC	BASE	1.64	11.05	7.340	141220
50-24hr-10%	Basin_04	BASE	2.00	76.72	8.480	1012760
50-24hr-10%	Basin_04PC	BASE	1.92	77.61	8.557	1021927
50-24hr-10%	Basin_05PC	BASE	1.37	61.67	9.918	763237
50-24hr-10%	Basin_06PC	BASE	3.08	263.03	7.565	3973750
50-24hr-10%	Basin_07PC	BASE	2.25	100.91	7.229	1369858
50-24hr-90%	Basin-01	BASE	23.96	31.13	9.020	333960
50-24hr-90%	Basin-02	BASE	24.33	111.87	7.397	1310396
50-24hr-90%	Basin-05	BASE	24.05	64.67	9.821	755817
50-24hr-90%	Basin-06	BASE	24.50	310.39	7.534	3957511
50-24hr-90%	Basin-07	BASE	24.17	129.28	7.150	1354873
50-24hr-90%	Basin_01PC	BASE	23.97	31.34	9.140	338429
50-24hr-90%	Basin_02PC	BASE	24.33	112.84	7.454	1320453
50-24hr-90%	Basin_03	BASE	23.99	14.69	7.098	136563
50-24hr-90%	Basin_03PC	BASE	23.96	14.84	7.219	138877
50-24hr-90%	Basin_04	BASE	24.08	90.29	8.480	1012760
50-24hr-90%	Basin_04PC	BASE	24.08	90.89	8.557	1021927
50-24hr-90%	Basin_05PC	BASE	24.05	64.72	9.839	757157
50-24hr-90%	Basin_06PC	BASE	24.50	311.65	7.565	3973750
50-24hr-90%	Basin_07PC	BASE	24.17	130.54	7.229	1369858
50-6hr-10%	Basin-01	BASE	1.11	32.97	4.531	167761
50-6hr-10%	Basin-02	BASE	2.00	85.87	3.238	573572
50-6hr-10%	Basin-05	BASE	1.16	74.23	5.128	394653
50-6hr-10%	Basin-06	BASE	2.25	232.31	3.333	1750769
50-6hr-10%	Basin-07	BASE	1.67	100.71	3.069	581531
50-6hr-10%	Basin_01PC	BASE	1.08	33.57	4.609	170660
50-6hr-10%	Basin_02PC	BASE	2.00	87.50	3.278	580733
50-6hr-10%	Basin_03	BASE	1.26	11.91	3.064	58951
50-6hr-10%	Basin_03PC	BASE	1.22	12.46	3.201	61591
50-6hr-10%	Basin_04	BASE	1.50	84.41	4.016	479560
50-6hr-10%	Basin_04PC	BASE	1.50	85.76	4.072	486316
50-6hr-10%	Basin_05PC	BASE	1.15	74.63	5.151	396404
50-6hr-10%	Basin_06PC	BASE	2.25	234.50	3.355	1762052
50-6hr-10%	Basin_07PC	BASE	1.67	102.91	3.122	591633
50-6hr-90%	Basin-01	BASE	5.98	26.78	4.465	165336
50-6hr-90%	Basin-02	BASE	6.42	81.05	3.238	573572
50-6hr-90%	Basin-05	BASE	5.94	57.11	4.959	381622

50-6hr-90%	Basin-06	BASE	6.58	218.53	3.333	1750769
50-6hr-90%	Basin-07	BASE	6.17	96.23	3.069	581531
50-6hr-90%	Basin_01PC	BASE	5.96	27.00	4.512	167051
50-6hr-90%	Basin_02PC	BASE	6.33	82.36	3.278	580733
50-6hr-90%	Basin_03	BASE	5.98	11.24	3.025	58198
50-6hr-90%	Basin_03PC	BASE	5.98	11.56	3.146	60534
50-6hr-90%	Basin_04	BASE	6.08	74.25	4.016	479560
50-6hr-90%	Basin_04PC	BASE	6.08	75.13	4.072	486316
50-6hr-90%	Basin_05PC	BASE	5.98	57.70	5.082	391120
50-6hr-90%	Basin_06PC	BASE	6.58	220.23	3.355	1762052
50-6hr-90%	Basin_07PC	BASE	6.17	97.99	3.122	591633
5yr-12hr-10%	Basin-01	BASE	1.55	12.45	2.712	100420
5yr-12hr-10%	Basin-02	BASE	2.67	33.06	1.724	305439
5yr-12hr-10%	Basin-05	BASE	1.52	29.98	3.203	246524
5yr-12hr-10%	Basin-06	BASE	3.00	94.36	1.793	942011
5yr-12hr-10%	Basin-07	BASE	2.33	35.94	1.603	303781
5yr-12hr-10%	Basin_01PC	BASE	1.46	12.74	2.775	102757
5yr-12hr-10%	Basin_02PC	BASE	2.67	33.73	1.754	310689
5yr-12hr-10%	Basin_03	BASE	1.87	3.94	1.601	30795
5yr-12hr-10%	Basin_03PC	BASE	1.80	4.16	1.699	32683
5yr-12hr-10%	Basin_04	BASE	2.00	32.40	2.305	275297
5yr-12hr-10%	Basin_04PC	BASE	2.00	33.04	2.349	280483
5yr-12hr-10%	Basin_05PC	BASE	1.51	30.17	3.223	247998
5yr-12hr-10%	Basin_06PC	BASE	2.92	95.31	1.809	950222
5yr-12hr-10%	Basin_07PC	BASE	2.25	36.83	1.641	310958
5yr-12hr-90%	Basin-01	BASE	12.01	13.26	2.644	97878
5yr-12hr-90%	Basin-02	BASE	12.33	35.82	1.630	288814
5yr-12hr-90%	Basin-05	BASE	12.03	29.04	3.132	241003
5yr-12hr-90%	Basin-06	BASE	12.50	98.31	1.698	891653
5yr-12hr-90%	Basin-07	BASE	12.17	41.56	1.513	286694
5yr-12hr-90%	Basin_01PC	BASE	12.04	13.59	2.751	101841
5yr-12hr-90%	Basin_02PC	BASE	12.33	36.49	1.659	293914
5yr-12hr-90%	Basin_03	BASE	12.02	5.12	1.563	30074
5yr-12hr-90%	Basin_03PC	BASE	12.01	5.31	1.646	31661
5yr-12hr-90%	Basin_04	BASE	12.08	34.45	2.196	262238
5yr-12hr-90%	Basin_04PC	BASE	12.08	34.94	2.238	267299
5yr-12hr-90%	Basin_05PC	BASE	12.02	29.13	3.149	242307
5yr-12hr-90%	Basin_06PC	BASE	12.50	99.20	1.713	899626
5yr-12hr-90%	Basin_07PC	BASE	12.08	42.48	1.550	293648
5yr-1hr-10%	Basin-01	BASE	0.83	6.53	0.484	17910
5yr-1hr-10%	Basin-02	BASE	1.50	5.90	0.156	27568
5yr-1hr-10%	Basin-05	BASE	0.87	17.51	0.681	52399
5yr-1hr-10%	Basin-06	BASE	1.75	15.64	0.174	91320
5yr-1hr-10%	Basin-07	BASE	1.25	7.05	0.126	23815
5yr-1hr-10%	Basin_01PC	BASE	0.81	6.83	0.501	18561
5yr-1hr-10%	Basin_02PC	BASE	1.50	6.28	0.164	28965
5yr-1hr-10%	Basin_03	BASE	0.93	1.12	0.123	2371
5yr-1hr-10%	Basin_03PC	BASE	0.90	1.31	0.141	2715
5yr-1hr-10%	Basin_04	BASE	1.08	11.79	0.331	39581
5yr-1hr-10%	Basin_04PC	BASE	1.08	12.37	0.346	41371
5yr-1hr-10%	Basin_05PC	BASE	0.86	17.74	0.689	52987
5yr-1hr-10%	Basin_06PC	BASE	1.75	16.09	0.178	93529
5yr-1hr-10%	Basin_07PC	BASE	1.25	7.61	0.135	25529
5yr-1hr-90%	Basin-01	BASE	1.16	12.17	0.472	17467
5yr-1hr-90%	Basin-02	BASE	1.83	6.31	0.156	27568
5yr-1hr-90%	Basin-05	BASE	1.16	19.74	0.471	36226
5yr-1hr-90%	Basin-06	BASE	2.08	16.33	0.174	91320
5yr-1hr-90%	Basin-07	BASE	1.50	8.07	0.126	23815
5yr-1hr-90%	Basin_01PC	BASE	1.14	11.36	0.430	15910
5yr-1hr-90%	Basin_02PC	BASE	1.75	6.75	0.164	28965
5yr-1hr-90%	Basin_03	BASE	1.21	1.52	0.107	2062
5yr-1hr-90%	Basin_03PC	BASE	1.16	1.13	0.076	1460
5yr-1hr-90%	Basin_04	BASE	1.42	15.12	0.331	39581
5yr-1hr-90%	Basin_04PC	BASE	1.42	15.98	0.346	41371
5yr-1hr-90%	Basin_05PC	BASE	1.15	19.25	0.456	35097
5yr-1hr-90%	Basin_06PC	BASE	2.08	16.81	0.178	93529
5yr-1hr-90%	Basin_07PC	BASE	1.50	8.82	0.135	25529
5yr-24hr-10%	Basin-01	BASE	1.66	10.53	3.673	136003
5yr-24hr-10%	Basin-02	BASE	3.17	30.56	2.510	444612

5yr-24hr-10%	Basin-05	BASE	1.74	25.37	4.227	325266
5yr-24hr-10%	Basin-06	BASE	3.50	89.37	2.594	1362465
5yr-24hr-10%	Basin-07	BASE	2.83	32.33	2.362	447518
5yr-24hr-10%	Basin_01PC	BASE	1.63	10.78	3.745	138667
5yr-24hr-10%	Basin_02PC	BASE	3.17	31.09	2.546	450955
5yr-24hr-10%	Basin_03	BASE	2.14	3.43	2.358	45366
5yr-24hr-10%	Basin_03PC	BASE	2.12	3.63	2.478	47679
5yr-24hr-10%	Basin_04	BASE	2.33	28.14	3.203	382555
5yr-24hr-10%	Basin_04PC	BASE	2.33	28.65	3.254	388642
5yr-24hr-10%	Basin_05PC	BASE	1.73	25.55	4.248	326903
5yr-24hr-10%	Basin_06PC	BASE	3.50	90.14	2.613	1372421
5yr-24hr-10%	Basin_07PC	BASE	2.75	33.04	2.408	456346
5yr-24hr-90%	Basin-01	BASE	23.96	14.55	3.612	133727
5yr-24hr-90%	Basin-02	BASE	24.33	45.04	2.510	444612
5yr-24hr-90%	Basin-05	BASE	24.05	31.41	4.193	322662
5yr-24hr-90%	Basin-06	BASE	24.50	124.96	2.594	1362465
5yr-24hr-90%	Basin-07	BASE	24.17	51.81	2.362	447518
5yr-24hr-90%	Basin_01PC	BASE	23.97	14.74	3.694	136756
5yr-24hr-90%	Basin_02PC	BASE	24.33	45.73	2.546	450955
5yr-24hr-90%	Basin_03	BASE	23.99	6.00	2.341	45038
5yr-24hr-90%	Basin_03PC	BASE	23.96	6.15	2.427	46684
5yr-24hr-90%	Basin_04	BASE	24.17	40.13	3.203	382555
5yr-24hr-90%	Basin_04PC	BASE	24.17	40.56	3.254	388642
5yr-24hr-90%	Basin_05PC	BASE	24.05	31.47	4.209	323916
5yr-24hr-90%	Basin_06PC	BASE	24.50	125.86	2.613	1372421
5yr-24hr-90%	Basin_07PC	BASE	24.17	52.72	2.408	456346
5yr-6hr-10%	Basin-01	BASE	1.22	14.30	1.924	71224
5yr-6hr-10%	Basin-02	BASE	2.17	30.55	1.113	197246
5yr-6hr-10%	Basin-05	BASE	1.23	34.49	2.348	180702
5yr-6hr-10%	Basin-06	BASE	2.42	83.76	1.168	613576
5yr-6hr-10%	Basin-07	BASE	1.83	34.95	1.019	193034
5yr-6hr-10%	Basin_01PC	BASE	1.19	14.70	1.977	73214
5yr-6hr-10%	Basin_02PC	BASE	2.08	31.39	1.137	201412
5yr-6hr-10%	Basin_03	BASE	1.43	4.17	1.017	19568
5yr-6hr-10%	Basin_03PC	BASE	1.38	4.47	1.094	21044
5yr-6hr-10%	Basin_04	BASE	1.58	34.19	1.582	188956
5yr-6hr-10%	Basin_04PC	BASE	1.58	35.04	1.618	193229
5yr-6hr-10%	Basin_05PC	BASE	1.22	34.75	2.365	181997
5yr-6hr-10%	Basin_06PC	BASE	2.42	84.85	1.181	620078
5yr-6hr-10%	Basin_07PC	BASE	1.83	36.06	1.048	198620
5yr-6hr-90%	Basin-01	BASE	5.98	13.16	1.890	69995
5yr-6hr-90%	Basin-02	BASE	6.42	31.61	1.113	197246
5yr-6hr-90%	Basin-05	BASE	6.01	29.48	2.258	173784
5yr-6hr-90%	Basin-06	BASE	6.67	84.65	1.168	613576
5yr-6hr-90%	Basin-07	BASE	6.25	37.62	1.019	193034
5yr-6hr-90%	Basin_01PC	BASE	5.96	13.36	1.928	71375
5yr-6hr-90%	Basin_02PC	BASE	6.42	32.45	1.137	201412
5yr-6hr-90%	Basin_03	BASE	6.04	4.61	1.000	19244
5yr-6hr-90%	Basin_03PC	BASE	6.03	4.85	1.070	20581
5yr-6hr-90%	Basin_04	BASE	6.17	33.79	1.582	188956
5yr-6hr-90%	Basin_04PC	BASE	6.17	34.40	1.618	193229
5yr-6hr-90%	Basin_05PC	BASE	6.05	29.87	2.328	179184
5yr-6hr-90%	Basin_06PC	BASE	6.58	85.67	1.181	620078
5yr-6hr-90%	Basin_07PC	BASE	6.25	38.64	1.048	198620

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
Node-1	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	36.95	0.00	0.00
Node-2	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	2.25	117.31	0.00	0.00
Node-5	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	82.31	0.00	0.00
Node-6	BASE	100-12hr-10%	24.00	4.80	6.00	0.0033	0	2.75	329.51	0.00	0.00
Node_1PC	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	37.45	0.00	0.00
Node_2PC	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	2.25	119.05	0.00	0.00
Node_4	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	116.24	0.00	0.00
Node_4PC	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	117.68	0.00	0.00
Node_5PC	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	82.64	0.00	0.00
Node_6PC	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	331.31	0.00	0.00
Node_7	BASE	100-12hr-10%	0.00	0.00	0.00	0.0000	0	2.00	132.33	0.00	0.00
Node_7PC	BASE	100-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	134.19	0.00	0.00
Node-1	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	32.53	0.00	0.00
Node-2	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	103.70	0.00	0.00
Node-5	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	67.70	0.00	0.00
Node-6	BASE	100-12hr-90%	24.00	4.80	6.00	0.0033	0	12.00	271.31	0.00	0.00
Node_1PC	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	33.03	0.00	0.00
Node_2PC	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	105.18	0.00	0.00
Node_4	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	106.31	0.00	0.00
Node_4PC	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	107.25	0.00	0.00
Node_5PC	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	67.80	0.00	0.00
Node_6PC	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	273.19	0.00	0.00
Node_7	BASE	100-12hr-90%	0.00	0.00	0.00	0.0000	0	12.00	126.49	0.00	0.00
Node_7PC	BASE	100-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	128.17	0.00	0.00
Node-1	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	0.60	16.43	0.00	0.00
Node-2	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	15.93	0.00	0.00
Node-5	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	0.75	40.65	0.00	0.00
Node-6	BASE	100-1hr-10%	2.00	0.40	6.00	0.0033	0	1.00	28.81	0.00	0.00
Node_1PC	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	0.58	17.20	0.00	0.00
Node_2PC	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	17.08	0.00	0.00
Node_4	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	38.99	0.00	0.00
Node_4PC	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	40.31	0.00	0.00
Node_5PC	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	0.68	41.07	0.00	0.00
Node_6PC	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	29.72	0.00	0.00
Node_7	BASE	100-1hr-10%	0.00	0.00	0.00	0.0000	0	1.00	28.79	0.00	0.00
Node_7PC	BASE	100-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	30.63	0.00	0.00
Node-1	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	17.38	0.00	0.00
Node-2	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.76	0.00	0.00
Node-5	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	29.19	0.00	0.00
Node-6	BASE	100-1hr-90%	2.00	0.40	6.00	0.0033	0	1.00	3.12	0.00	0.00
Node_1PC	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	18.51	0.00	0.00
Node_2PC	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.92	0.00	0.00
Node_4	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	12.29	0.00	0.00
Node_4PC	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	13.42	0.00	0.00
Node_5PC	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	29.56	0.00	0.00
Node_6PC	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	3.23	0.00	0.00
Node_7	BASE	100-1hr-90%	0.00	0.00	0.00	0.0000	0	1.00	4.58	0.00	0.00
Node_7PC	BASE	100-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	5.08	0.00	0.00
Node-1	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	1.25	33.52	0.00	0.00

Node-2	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	2.75	114.49	0.00	0.00
Node-5	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	1.25	74.94	0.00	0.00
Node-6	BASE	100-24hr-10%	48.00	9.60	6.00	0.0033	0	3.00	328.23	0.00	0.00
Node_1PC	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	1.25	34.02	0.00	0.00
Node_2PC	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	115.61	0.00	0.00
Node_4	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	1.77	108.21	0.00	0.00
Node_4PC	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	1.75	109.76	0.00	0.00
Node_5PC	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	1.25	75.28	0.00	0.00
Node_6PC	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	329.92	0.00	0.00
Node_7	BASE	100-24hr-10%	0.00	0.00	0.00	0.0000	0	2.25	126.17	0.00	0.00
Node_7PC	BASE	100-24hr-10%	48.00	9.60	0.00	0.0033	0	2.25	127.73	0.00	0.00
Node-1	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	36.71	0.00	0.00
Node-2	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	126.84	0.00	0.00
Node-5	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	76.16	0.00	0.00
Node-6	BASE	100-24hr-90%	48.00	9.60	6.00	0.0033	0	24.00	339.99	0.00	0.00
Node_1PC	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	36.93	0.00	0.00
Node_2PC	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	128.16	0.00	0.00
Node_4	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	123.66	0.00	0.00
Node_4PC	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	124.40	0.00	0.00
Node_5PC	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	76.21	0.00	0.00
Node_6PC	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	341.71	0.00	0.00
Node_7	BASE	100-24hr-90%	0.00	0.00	0.00	0.0000	0	24.00	152.19	0.00	0.00
Node_7PC	BASE	100-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	153.77	0.00	0.00
Node-1	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.00	39.28	0.00	0.00
Node-2	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	2.00	106.52	0.00	0.00
Node-5	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.17	87.75	0.00	0.00
Node-6	BASE	100-6hr-10%	24.00	4.80	6.00	0.0033	0	2.18	286.45	0.00	0.00
Node_1PC	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.00	40.00	0.00	0.00
Node_2PC	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	2.00	108.28	0.00	0.00
Node_4	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.50	115.80	0.00	0.00
Node_4PC	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.50	117.51	0.00	0.00
Node_5PC	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.17	88.10	0.00	0.00
Node_6PC	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	2.17	289.16	0.00	0.00
Node_7	BASE	100-6hr-10%	0.00	0.00	0.00	0.0000	0	1.67	125.50	0.00	0.00
Node_7PC	BASE	100-6hr-10%	24.00	4.80	0.00	0.0033	0	1.67	127.86	0.00	0.00
Node-1	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	31.19	0.00	0.00
Node-2	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	86.13	0.00	0.00
Node-5	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	66.11	0.00	0.00
Node-6	BASE	100-6hr-90%	12.00	2.40	6.00	0.0033	0	6.00	210.51	0.00	0.00
Node_1PC	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	31.34	0.00	0.00
Node_2PC	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	88.10	0.00	0.00
Node_4	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	99.90	0.00	0.00
Node_4PC	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	101.21	0.00	0.00
Node_5PC	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	66.77	0.00	0.00
Node_6PC	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	212.91	0.00	0.00
Node_7	BASE	100-6hr-90%	0.00	0.00	0.00	0.0000	0	6.00	111.50	0.00	0.00
Node_7PC	BASE	100-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	113.70	0.00	0.00
Node-1	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	17.11	0.00	0.00
Node-2	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	48.47	0.00	0.00
Node-5	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	40.19	0.00	0.00
Node-6	BASE	10yr-12hr-10%	24.00	4.80	6.00	0.0033	0	2.77	137.21	0.00	0.00
Node_1PC	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	17.42	0.00	0.00
Node_2PC	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	49.41	0.00	0.00

Node_4	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	51.12	0.00	0.00
Node_4PC	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	52.03	0.00	0.00
Node_5PC	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	40.40	0.00	0.00
Node_6PC	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	138.52	0.00	0.00
Node_7	BASE	10yr-12hr-10%	0.00	0.00	0.00	0.0000	0	2.25	53.34	0.00	0.00
Node_7PC	BASE	10yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.25	54.41	0.00	0.00
Node-1	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	17.25	0.00	0.00
Node-2	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	46.49	0.00	0.00
Node-5	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	37.01	0.00	0.00
Node-6	BASE	10yr-12hr-90%	24.00	4.80	6.00	0.0033	0	12.00	119.77	0.00	0.00
Node_1PC	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	17.60	0.00	0.00
Node_2PC	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	47.48	0.00	0.00
Node_4	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	52.89	0.00	0.00
Node_4PC	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	53.69	0.00	0.00
Node_5PC	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	37.11	0.00	0.00
Node_6PC	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	121.02	0.00	0.00
Node_7	BASE	10yr-12hr-90%	0.00	0.00	0.00	0.0000	0	12.00	57.42	0.00	0.00
Node_7PC	BASE	10yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	58.62	0.00	0.00
Node-1	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	8.64	0.00	0.00
Node-2	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	5.06	0.00	0.00
Node-5	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	22.50	0.00	0.00
Node-6	BASE	10yr-1hr-10%	2.00	0.40	6.00	0.0033	0	1.00	9.14	0.00	0.00
Node_1PC	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	8.97	0.00	0.00
Node_2PC	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	5.56	0.00	0.00
Node_4	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	17.99	0.00	0.00
Node_4PC	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	18.93	0.00	0.00
Node_5PC	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	22.77	0.00	0.00
Node_6PC	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	9.53	0.00	0.00
Node_7	BASE	10yr-1hr-10%	0.00	0.00	0.00	0.0000	0	1.00	9.53	0.00	0.00
Node_7PC	BASE	10yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	10.46	0.00	0.00
Node-1	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	7.75	0.00	0.00
Node-2	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.50	0.00	0.00
Node-5	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	14.07	0.00	0.00
Node-6	BASE	10yr-1hr-90%	2.00	0.40	6.00	0.0033	0	1.00	0.95	0.00	0.00
Node_1PC	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	8.42	0.00	0.00
Node_2PC	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.56	0.00	0.00
Node_4	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	4.15	0.00	0.00
Node_4PC	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	4.58	0.00	0.00
Node_5PC	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	14.27	0.00	0.00
Node_6PC	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.99	0.00	0.00
Node_7	BASE	10yr-1hr-90%	0.00	0.00	0.00	0.0000	0	1.00	1.21	0.00	0.00
Node_7PC	BASE	10yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.38	0.00	0.00
Node-1	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.75	14.72	0.00	0.00
Node-2	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	45.62	0.00	0.00
Node-5	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.75	34.75	0.00	0.00
Node-6	BASE	10yr-24hr-10%	48.00	9.60	6.00	0.0033	0	3.27	132.17	0.00	0.00
Node_1PC	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.75	14.97	0.00	0.00
Node_2PC	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	46.31	0.00	0.00
Node_4	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.25	45.67	0.00	0.00
Node_4PC	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.25	46.47	0.00	0.00
Node_5PC	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.75	34.90	0.00	0.00
Node_6PC	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.25	133.21	0.00	0.00
Node_7	BASE	10yr-24hr-10%	0.00	0.00	0.00	0.0000	0	2.75	48.71	0.00	0.00

Node_7PC	BASE	10yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	49.61	0.00	0.00
Node-1	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	19.04	0.00	0.00
Node-2	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	57.79	0.00	0.00
Node-5	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	40.49	0.00	0.00
Node-6	BASE	10yr-24hr-90%	48.00	9.60	6.00	0.0033	0	24.00	153.47	0.00	0.00
Node_1PC	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	19.23	0.00	0.00
Node_2PC	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	58.71	0.00	0.00
Node_4	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	61.02	0.00	0.00
Node_4PC	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	61.71	0.00	0.00
Node_5PC	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	40.56	0.00	0.00
Node_6PC	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	154.66	0.00	0.00
Node_7	BASE	10yr-24hr-90%	0.00	0.00	0.00	0.0000	0	24.00	69.78	0.00	0.00
Node_7PC	BASE	10yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	70.93	0.00	0.00
Node-1	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	19.32	0.00	0.00
Node-2	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.17	44.48	0.00	0.00
Node-5	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	45.16	0.00	0.00
Node-6	BASE	10yr-6hr-10%	12.00	2.40	6.00	0.0033	0	2.33	121.91	0.00	0.00
Node_1PC	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	19.77	0.00	0.00
Node_2PC	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.00	45.64	0.00	0.00
Node_4	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	53.16	0.00	0.00
Node_4PC	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	54.54	0.00	0.00
Node_5PC	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	45.49	0.00	0.00
Node_6PC	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.33	123.36	0.00	0.00
Node_7	BASE	10yr-6hr-10%	0.00	0.00	0.00	0.0000	0	1.83	51.43	0.00	0.00
Node_7PC	BASE	10yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.68	52.75	0.00	0.00
Node-1	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	16.97	0.00	0.00
Node-2	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	36.72	0.00	0.00
Node-5	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	37.28	0.00	0.00
Node-6	BASE	10yr-6hr-90%	12.00	2.40	6.00	0.0033	0	6.00	86.66	0.00	0.00
Node_1PC	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	17.16	0.00	0.00
Node_2PC	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	37.96	0.00	0.00
Node_4	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	49.87	0.00	0.00
Node_4PC	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	50.93	0.00	0.00
Node_5PC	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	37.72	0.00	0.00
Node_6PC	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	88.11	0.00	0.00
Node_7	BASE	10yr-6hr-90%	0.00	0.00	0.00	0.0000	0	6.00	49.24	0.00	0.00
Node_7PC	BASE	10yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	50.75	0.00	0.00
Node-1	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	24.08	0.00	0.00
Node-2	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	72.64	0.00	0.00
Node-5	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.27	54.94	0.00	0.00
Node-6	BASE	25yr-12hr-10%	24.00	4.80	6.00	0.0033	0	2.75	205.16	0.00	0.00
Node_1PC	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	24.56	0.00	0.00
Node_2PC	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	73.69	0.00	0.00
Node_4	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	74.23	0.00	0.00
Node_4PC	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	75.56	0.00	0.00
Node_5PC	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	55.25	0.00	0.00
Node_6PC	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	206.72	0.00	0.00
Node_7	BASE	25yr-12hr-10%	0.00	0.00	0.00	0.0000	0	2.00	80.40	0.00	0.00
Node_7PC	BASE	25yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	82.04	0.00	0.00
Node-1	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	22.90	0.00	0.00
Node-2	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	67.13	0.00	0.00
Node-5	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	48.38	0.00	0.00
Node-6	BASE	25yr-12hr-90%	24.00	4.80	6.00	0.0033	0	12.00	174.28	0.00	0.00

Node_1PC	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	23.31	0.00	0.00
Node_2PC	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	68.33	0.00	0.00
Node_4	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	72.51	0.00	0.00
Node_4PC	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	73.38	0.00	0.00
Node_5PC	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	48.48	0.00	0.00
Node_6PC	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	175.80	0.00	0.00
Node_7	BASE	25yr-12hr-90%	0.00	0.00	0.00	0.0000	0	12.00	82.42	0.00	0.00
Node_7PC	BASE	25yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	83.82	0.00	0.00
Node-1	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	11.44	0.00	0.00
Node-2	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	8.76	0.00	0.00
Node-5	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.75	29.35	0.00	0.00
Node-6	BASE	25yr-1hr-10%	2.00	0.40	6.00	0.0033	0	1.00	15.78	0.00	0.00
Node_1PC	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.75	11.87	0.00	0.00
Node_2PC	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	9.50	0.00	0.00
Node_4	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	25.75	0.00	0.00
Node_4PC	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	26.86	0.00	0.00
Node_5PC	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.75	29.69	0.00	0.00
Node_6PC	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	16.37	0.00	0.00
Node_7	BASE	25yr-1hr-10%	0.00	0.00	0.00	0.0000	0	1.00	16.20	0.00	0.00
Node_7PC	BASE	25yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	17.49	0.00	0.00
Node-1	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	11.26	0.00	0.00
Node-2	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.91	0.00	0.00
Node-5	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	19.66	0.00	0.00
Node-6	BASE	25yr-1hr-90%	2.00	0.40	6.00	0.0033	0	1.00	1.66	0.00	0.00
Node_1PC	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	12.12	0.00	0.00
Node_2PC	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.00	0.00	0.00
Node_4	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	6.87	0.00	0.00
Node_4PC	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	7.56	0.00	0.00
Node_5PC	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	19.92	0.00	0.00
Node_6PC	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.72	0.00	0.00
Node_7	BASE	25yr-1hr-90%	0.00	0.00	0.00	0.0000	0	1.00	2.28	0.00	0.00
Node_7PC	BASE	25yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	2.56	0.00	0.00
Node-1	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	21.37	0.00	0.00
Node-2	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.75	69.29	0.00	0.00
Node-5	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	48.93	0.00	0.00
Node-6	BASE	25yr-24hr-10%	48.00	9.60	6.00	0.0033	0	3.25	200.14	0.00	0.00
Node_1PC	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	21.73	0.00	0.00
Node_2PC	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.75	70.25	0.00	0.00
Node_4	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	67.46	0.00	0.00
Node_4PC	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	68.56	0.00	0.00
Node_5PC	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	49.15	0.00	0.00
Node_6PC	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.25	201.32	0.00	0.00
Node_7	BASE	25yr-24hr-10%	0.00	0.00	0.00	0.0000	0	2.50	75.11	0.00	0.00
Node_7PC	BASE	25yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	76.19	0.00	0.00
Node-1	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	25.52	0.00	0.00
Node-2	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	82.78	0.00	0.00
Node-5	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	53.57	0.00	0.00
Node-6	BASE	25yr-24hr-90%	48.00	9.60	6.00	0.0033	0	24.00	220.86	0.00	0.00
Node_1PC	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	25.72	0.00	0.00
Node_2PC	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	83.87	0.00	0.00
Node_4	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	83.93	0.00	0.00
Node_4PC	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	84.65	0.00	0.00
Node_5PC	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	53.63	0.00	0.00

Node_6PC	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	222.27	0.00	0.00
Node_7	BASE	25yr-24hr-90%	0.00	0.00	0.00	0.0000	0	24.00	99.65	0.00	0.00
Node_7PC	BASE	25yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	100.98	0.00	0.00
Node-1	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	26.73	0.00	0.00
Node-2	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.00	66.78	0.00	0.00
Node-5	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	61.19	0.00	0.00
Node-6	BASE	25yr-6hr-10%	12.00	2.40	6.00	0.0033	0	2.33	181.34	0.00	0.00
Node_1PC	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	27.20	0.00	0.00
Node_2PC	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.00	68.26	0.00	0.00
Node_4	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	76.23	0.00	0.00
Node_4PC	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	77.79	0.00	0.00
Node_5PC	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	61.54	0.00	0.00
Node_6PC	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.33	183.07	0.00	0.00
Node_7	BASE	25yr-6hr-10%	0.00	0.00	0.00	0.0000	0	1.67	77.83	0.00	0.00
Node_7PC	BASE	25yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.67	79.83	0.00	0.00
Node-1	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	22.38	0.00	0.00
Node-2	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	54.72	0.00	0.00
Node-5	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	48.29	0.00	0.00
Node-6	BASE	25yr-6hr-90%	12.00	2.40	6.00	0.0033	0	6.00	131.41	0.00	0.00
Node_1PC	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	22.56	0.00	0.00
Node_2PC	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	56.26	0.00	0.00
Node_4	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	68.66	0.00	0.00
Node_4PC	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	69.83	0.00	0.00
Node_5PC	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	48.82	0.00	0.00
Node_6PC	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	133.24	0.00	0.00
Node_7	BASE	25yr-6hr-90%	0.00	0.00	0.00	0.0000	0	6.00	72.10	0.00	0.00
Node_7PC	BASE	25yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	73.91	0.00	0.00
Node-1	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	7.05	0.00	0.00
Node-2	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	16.21	0.00	0.00
Node-5	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	17.85	0.00	0.00
Node-6	BASE	2yr-12hr-10%	24.00	4.80	6.00	0.0033	0	3.25	46.91	0.00	0.00
Node_1PC	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	7.25	0.00	0.00
Node_2PC	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	16.69	0.00	0.00
Node_4	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.25	19.37	0.00	0.00
Node_4PC	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.25	19.91	0.00	0.00
Node_5PC	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	17.98	0.00	0.00
Node_6PC	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	3.25	47.47	0.00	0.00
Node_7	BASE	2yr-12hr-10%	0.00	0.00	0.00	0.0000	0	2.50	17.31	0.00	0.00
Node_7PC	BASE	2yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	17.89	0.00	0.00
Node-1	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	8.31	0.00	0.00
Node-2	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	16.66	0.00	0.00
Node-5	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	18.85	0.00	0.00
Node-6	BASE	2yr-12hr-90%	24.00	4.80	6.00	0.0033	0	12.00	41.74	0.00	0.00
Node_1PC	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	8.56	0.00	0.00
Node_2PC	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	17.24	0.00	0.00
Node_4	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	22.85	0.00	0.00
Node_4PC	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	23.45	0.00	0.00
Node_5PC	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	18.95	0.00	0.00
Node_6PC	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	42.46	0.00	0.00
Node_7	BASE	2yr-12hr-90%	0.00	0.00	0.00	0.0000	0	12.00	21.04	0.00	0.00
Node_7PC	BASE	2yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	21.78	0.00	0.00
Node-1	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	3.94	0.00	0.00
Node-2	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	0.77	0.00	0.00

Node-5	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.92	11.28	0.00	0.00
Node-6	BASE	2yr-1hr-10%	2.00	0.40	6.00	0.0033	0	1.00	1.47	0.00	0.00
Node_1PC	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	4.19	0.00	0.00
Node_2PC	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	0.90	0.00	0.00
Node_4	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	6.14	0.00	0.00
Node_4PC	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	6.71	0.00	0.00
Node_5PC	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.92	11.46	0.00	0.00
Node_6PC	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	1.57	0.00	0.00
Node_7	BASE	2yr-1hr-10%	0.00	0.00	0.00	0.0000	0	1.00	1.39	0.00	0.00
Node_7PC	BASE	2yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	1.68	0.00	0.00
Node-1	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	2.63	0.00	0.00
Node-2	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.08	0.00	0.00
Node-5	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	5.55	0.00	0.00
Node-6	BASE	2yr-1hr-90%	2.00	0.40	6.00	0.0033	0	1.00	0.17	0.00	0.00
Node_1PC	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	2.95	0.00	0.00
Node_2PC	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.09	0.00	0.00
Node_4	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.97	0.00	0.00
Node_4PC	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.08	0.00	0.00
Node_5PC	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	5.64	0.00	0.00
Node_6PC	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.18	0.00	0.00
Node_7	BASE	2yr-1hr-90%	0.00	0.00	0.00	0.0000	0	1.00	0.15	0.00	0.00
Node_7PC	BASE	2yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.19	0.00	0.00
Node-1	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	5.78	0.00	0.00
Node-2	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.50	15.01	0.00	0.00
Node-5	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	14.61	0.00	0.00
Node-6	BASE	2yr-24hr-10%	48.00	9.60	6.00	0.0033	0	4.00	44.34	0.00	0.00
Node_1PC	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	5.95	0.00	0.00
Node_2PC	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.50	15.35	0.00	0.00
Node_4	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	16.47	0.00	0.00
Node_4PC	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	16.96	0.00	0.00
Node_5PC	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	14.71	0.00	0.00
Node_6PC	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	4.00	44.79	0.00	0.00
Node_7	BASE	2yr-24hr-10%	0.00	0.00	0.00	0.0000	0	3.00	15.40	0.00	0.00
Node_7PC	BASE	2yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	15.88	0.00	0.00
Node-1	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	9.11	0.00	0.00
Node-2	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	21.90	0.00	0.00
Node-5	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	20.35	0.00	0.00
Node-6	BASE	2yr-24hr-90%	48.00	9.60	6.00	0.0033	0	24.00	57.23	0.00	0.00
Node_1PC	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	9.28	0.00	0.00
Node_2PC	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	22.46	0.00	0.00
Node_4	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	26.69	0.00	0.00
Node_4PC	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	27.23	0.00	0.00
Node_5PC	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	20.42	0.00	0.00
Node_6PC	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	57.96	0.00	0.00
Node_7	BASE	2yr-24hr-90%	0.00	0.00	0.00	0.0000	0	24.00	26.71	0.00	0.00
Node_7PC	BASE	2yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	27.45	0.00	0.00
Node-1	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.33	8.19	0.00	0.00
Node-2	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.18	14.45	0.00	0.00
Node-5	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.33	20.89	0.00	0.00
Node-6	BASE	2yr-6hr-10%	12.00	2.40	6.00	0.0033	0	2.50	40.32	0.00	0.00
Node_1PC	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.33	8.46	0.00	0.00
Node_2PC	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.17	15.02	0.00	0.00
Node_4	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.67	20.31	0.00	0.00

Node_4PC	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.67	21.07	0.00	0.00
Node_5PC	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.33	21.09	0.00	0.00
Node_6PC	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.50	41.02	0.00	0.00
Node_7	BASE	2yr-6hr-10%	0.00	0.00	0.00	0.0000	0	2.00	16.14	0.00	0.00
Node_7PC	BASE	2yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.00	16.78	0.00	0.00
Node-1	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	8.18	0.00	0.00
Node-2	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	11.30	0.00	0.00
Node-5	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	19.12	0.00	0.00
Node-6	BASE	2yr-6hr-90%	12.00	2.40	6.00	0.0033	0	6.00	25.01	0.00	0.00
Node_1PC	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	8.37	0.00	0.00
Node_2PC	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	11.94	0.00	0.00
Node_4	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	20.82	0.00	0.00
Node_4PC	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	21.56	0.00	0.00
Node_5PC	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	19.41	0.00	0.00
Node_6PC	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	25.71	0.00	0.00
Node_7	BASE	2yr-6hr-90%	0.00	0.00	0.00	0.0000	0	6.00	16.19	0.00	0.00
Node_7PC	BASE	2yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	17.06	0.00	0.00
Node-1	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	30.24	0.00	0.00
Node-2	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	93.58	0.00	0.00
Node-5	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	68.08	0.00	0.00
Node-6	BASE	50-12hr-10%	24.00	4.80	6.00	0.0033	0	2.75	264.16	0.00	0.00
Node_1PC	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	30.74	0.00	0.00
Node_2PC	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	2.50	94.68	0.00	0.00
Node_4	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	94.27	0.00	0.00
Node_4PC	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	1.75	95.67	0.00	0.00
Node_5PC	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	1.25	68.40	0.00	0.00
Node_6PC	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	265.85	0.00	0.00
Node_7	BASE	50-12hr-10%	0.00	0.00	0.00	0.0000	0	2.00	104.98	0.00	0.00
Node_7PC	BASE	50-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	106.76	0.00	0.00
Node-1	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	27.55	0.00	0.00
Node-2	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	84.64	0.00	0.00
Node-5	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	57.71	0.00	0.00
Node-6	BASE	50-12hr-90%	24.00	4.80	6.00	0.0033	0	12.00	220.66	0.00	0.00
Node_1PC	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	28.01	0.00	0.00
Node_2PC	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	85.97	0.00	0.00
Node_4	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	88.79	0.00	0.00
Node_4PC	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	89.70	0.00	0.00
Node_5PC	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	57.81	0.00	0.00
Node_6PC	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	222.37	0.00	0.00
Node_7	BASE	50-12hr-90%	0.00	0.00	0.00	0.0000	0	12.00	103.54	0.00	0.00
Node_7PC	BASE	50-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	105.08	0.00	0.00
Node-1	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	0.67	13.76	0.00	0.00
Node-2	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	12.07	0.00	0.00
Node-5	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	0.75	34.83	0.00	0.00
Node-6	BASE	50-1hr-10%	2.00	0.40	6.00	0.0033	0	1.00	21.78	0.00	0.00
Node_1PC	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	0.67	14.31	0.00	0.00
Node_2PC	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	13.01	0.00	0.00
Node_4	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	32.08	0.00	0.00
Node_4PC	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	33.30	0.00	0.00
Node_5PC	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	0.75	35.19	0.00	0.00
Node_6PC	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	22.52	0.00	0.00
Node_7	BASE	50-1hr-10%	0.00	0.00	0.00	0.0000	0	1.00	22.06	0.00	0.00
Node_7PC	BASE	50-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	23.62	0.00	0.00

Node-1	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	14.17	0.00	0.00
Node-2	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.30	0.00	0.00
Node-5	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	24.21	0.00	0.00
Node-6	BASE	50-1hr-90%	2.00	0.40	6.00	0.0033	0	1.00	2.32	0.00	0.00
Node_1PC	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	15.16	0.00	0.00
Node_2PC	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	1.41	0.00	0.00
Node_4	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	9.36	0.00	0.00
Node_4PC	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	10.26	0.00	0.00
Node_5PC	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	24.53	0.00	0.00
Node_6PC	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	2.40	0.00	0.00
Node_7	BASE	50-1hr-90%	0.00	0.00	0.00	0.0000	0	1.00	3.32	0.00	0.00
Node_7PC	BASE	50-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	3.70	0.00	0.00
Node-1	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	27.20	0.00	0.00
Node-2	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	2.75	91.06	0.00	0.00
Node-5	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	61.39	0.00	0.00
Node-6	BASE	50-24hr-10%	48.00	9.60	6.00	0.0033	0	3.00	261.10	0.00	0.00
Node_1PC	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	27.56	0.00	0.00
Node_2PC	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	2.75	92.07	0.00	0.00
Node_4	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	87.15	0.00	0.00
Node_4PC	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	88.30	0.00	0.00
Node_5PC	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	1.50	61.60	0.00	0.00
Node_6PC	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	262.69	0.00	0.00
Node_7	BASE	50-24hr-10%	0.00	0.00	0.00	0.0000	0	2.25	99.40	0.00	0.00
Node_7PC	BASE	50-24hr-10%	48.00	9.60	0.00	0.0033	0	2.25	100.90	0.00	0.00
Node-1	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	30.99	0.00	0.00
Node-2	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	104.26	0.00	0.00
Node-5	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	64.62	0.00	0.00
Node-6	BASE	50-24hr-90%	48.00	9.60	6.00	0.0033	0	24.00	278.89	0.00	0.00
Node_1PC	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	31.21	0.00	0.00
Node_2PC	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	105.47	0.00	0.00
Node_4	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	103.36	0.00	0.00
Node_4PC	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	104.09	0.00	0.00
Node_5PC	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	64.67	0.00	0.00
Node_6PC	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	280.46	0.00	0.00
Node_7	BASE	50-24hr-90%	0.00	0.00	0.00	0.0000	0	24.00	125.27	0.00	0.00
Node_7PC	BASE	50-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	126.73	0.00	0.00
Node-1	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	32.76	0.00	0.00
Node-2	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	2.00	85.86	0.00	0.00
Node-5	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	74.17	0.00	0.00
Node-6	BASE	50-6hr-10%	12.00	2.40	6.00	0.0033	0	2.33	231.84	0.00	0.00
Node_1PC	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	33.24	0.00	0.00
Node_2PC	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	2.00	87.50	0.00	0.00
Node_4	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	95.40	0.00	0.00
Node_4PC	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	97.05	0.00	0.00
Node_5PC	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	74.52	0.00	0.00
Node_6PC	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	2.33	233.76	0.00	0.00
Node_7	BASE	50-6hr-10%	0.00	0.00	0.00	0.0000	0	1.67	100.71	0.00	0.00
Node_7PC	BASE	50-6hr-10%	12.00	2.40	0.00	0.0033	0	1.67	102.90	0.00	0.00
Node-1	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	26.70	0.00	0.00
Node-2	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	69.87	0.00	0.00
Node-5	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	57.05	0.00	0.00
Node-6	BASE	50-6hr-90%	12.00	2.40	6.00	0.0033	0	6.00	169.44	0.00	0.00
Node_1PC	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	26.87	0.00	0.00

Node_2PC	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	71.63	0.00	0.00
Node_4	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	83.91	0.00	0.00
Node_4PC	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	85.16	0.00	0.00
Node_5PC	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	57.64	0.00	0.00
Node_6PC	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	171.56	0.00	0.00
Node_7	BASE	50-6hr-90%	0.00	0.00	0.00	0.0000	0	6.00	91.17	0.00	0.00
Node_7PC	BASE	50-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	93.18	0.00	0.00
Node-1	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	12.45	0.00	0.00
Node-2	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	32.97	0.00	0.00
Node-5	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	29.95	0.00	0.00
Node-6	BASE	5yr-12hr-10%	24.00	4.80	6.00	0.0033	0	3.00	94.36	0.00	0.00
Node_1PC	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	12.74	0.00	0.00
Node_2PC	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.75	33.58	0.00	0.00
Node_4	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	36.27	0.00	0.00
Node_4PC	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.00	37.10	0.00	0.00
Node_5PC	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	1.50	30.16	0.00	0.00
Node_6PC	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	3.00	95.27	0.00	0.00
Node_7	BASE	5yr-12hr-10%	0.00	0.00	0.00	0.0000	0	2.25	35.88	0.00	0.00
Node_7PC	BASE	5yr-12hr-10%	24.00	4.80	0.00	0.0033	0	2.25	36.83	0.00	0.00
Node-1	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	13.25	0.00	0.00
Node-2	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	32.57	0.00	0.00
Node-5	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	28.94	0.00	0.00
Node-6	BASE	5yr-12hr-90%	24.00	4.80	6.00	0.0033	0	12.00	83.21	0.00	0.00
Node_1PC	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	13.56	0.00	0.00
Node_2PC	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	33.39	0.00	0.00
Node_4	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	39.24	0.00	0.00
Node_4PC	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	39.97	0.00	0.00
Node_5PC	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	29.04	0.00	0.00
Node_6PC	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	84.25	0.00	0.00
Node_7	BASE	5yr-12hr-90%	0.00	0.00	0.00	0.0000	0	12.00	40.50	0.00	0.00
Node_7PC	BASE	5yr-12hr-90%	24.00	4.80	0.00	0.0033	0	12.00	41.52	0.00	0.00
Node-1	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	6.53	0.00	0.00
Node-2	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	2.78	0.00	0.00
Node-5	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	17.46	0.00	0.00
Node-6	BASE	5yr-1hr-10%	2.00	0.40	6.00	0.0033	0	1.00	5.05	0.00	0.00
Node_1PC	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	6.83	0.00	0.00
Node_2PC	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	3.10	0.00	0.00
Node_4	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	12.43	0.00	0.00
Node_4PC	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	13.22	0.00	0.00
Node_5PC	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	0.83	17.70	0.00	0.00
Node_6PC	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	5.30	0.00	0.00
Node_7	BASE	5yr-1hr-10%	0.00	0.00	0.00	0.0000	0	1.00	5.27	0.00	0.00
Node_7PC	BASE	5yr-1hr-10%	2.00	0.40	0.00	0.0033	0	1.00	5.92	0.00	0.00
Node-1	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	5.30	0.00	0.00
Node-2	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.27	0.00	0.00
Node-5	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	10.09	0.00	0.00
Node-6	BASE	5yr-1hr-90%	2.00	0.40	6.00	0.0033	0	1.00	0.53	0.00	0.00
Node_1PC	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	5.83	0.00	0.00
Node_2PC	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.30	0.00	0.00
Node_4	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	2.49	0.00	0.00
Node_4PC	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	2.76	0.00	0.00
Node_5PC	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	10.24	0.00	0.00
Node_6PC	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.55	0.00	0.00

Node_7	BASE	5yr-1hr-90%	0.00	0.00	0.00	0.0000	0	1.00	0.63	0.00	0.00
Node_7PC	BASE	5yr-1hr-90%	2.00	0.40	0.00	0.0033	0	1.00	0.73	0.00	0.00
Node-1	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	10.34	0.00	0.00
Node-2	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	30.32	0.00	0.00
Node-5	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	24.73	0.00	0.00
Node-6	BASE	5yr-24hr-10%	48.00	9.60	6.00	0.0033	0	3.50	89.36	0.00	0.00
Node_1PC	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	10.54	0.00	0.00
Node_2PC	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	30.93	0.00	0.00
Node_4	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	31.38	0.00	0.00
Node_4PC	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.50	31.99	0.00	0.00
Node_5PC	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	2.00	24.84	0.00	0.00
Node_6PC	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.50	90.13	0.00	0.00
Node_7	BASE	5yr-24hr-10%	0.00	0.00	0.00	0.0000	0	3.00	32.05	0.00	0.00
Node_7PC	BASE	5yr-24hr-10%	48.00	9.60	0.00	0.0033	0	3.00	32.64	0.00	0.00
Node-1	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	14.51	0.00	0.00
Node-2	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	40.88	0.00	0.00
Node-5	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	31.33	0.00	0.00
Node-6	BASE	5yr-24hr-90%	48.00	9.60	6.00	0.0033	0	24.00	108.03	0.00	0.00
Node_1PC	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	14.69	0.00	0.00
Node_2PC	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	41.66	0.00	0.00
Node_4	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	45.18	0.00	0.00
Node_4PC	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	45.82	0.00	0.00
Node_5PC	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	31.41	0.00	0.00
Node_6PC	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	109.03	0.00	0.00
Node_7	BASE	5yr-24hr-90%	0.00	0.00	0.00	0.0000	0	24.00	49.53	0.00	0.00
Node_7PC	BASE	5yr-24hr-90%	48.00	9.60	0.00	0.0033	0	24.00	50.51	0.00	0.00
Node-1	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	14.24	0.00	0.00
Node-2	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.17	30.55	0.00	0.00
Node-5	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.33	34.27	0.00	0.00
Node-6	BASE	5yr-6hr-10%	12.00	2.40	6.00	0.0033	0	2.33	83.39	0.00	0.00
Node_1PC	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.17	14.66	0.00	0.00
Node_2PC	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.17	31.35	0.00	0.00
Node_4	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.67	37.95	0.00	0.00
Node_4PC	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.50	38.97	0.00	0.00
Node_5PC	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.33	34.48	0.00	0.00
Node_6PC	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	2.33	84.58	0.00	0.00
Node_7	BASE	5yr-6hr-10%	0.00	0.00	0.00	0.0000	0	1.83	34.95	0.00	0.00
Node_7PC	BASE	5yr-6hr-10%	12.00	2.40	0.00	0.0033	0	1.83	36.06	0.00	0.00
Node-1	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	13.15	0.00	0.00
Node-2	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	24.94	0.00	0.00
Node-5	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	29.45	0.00	0.00
Node-6	BASE	5yr-6hr-90%	12.00	2.40	6.00	0.0033	0	6.00	57.75	0.00	0.00
Node_1PC	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	13.34	0.00	0.00
Node_2PC	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	25.93	0.00	0.00
Node_4	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	36.96	0.00	0.00
Node_4PC	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	37.90	0.00	0.00
Node_5PC	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	29.83	0.00	0.00
Node_6PC	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	58.89	0.00	0.00
Node_7	BASE	5yr-6hr-90%	0.00	0.00	0.00	0.0000	0	6.00	34.09	0.00	0.00
Node_7PC	BASE	5yr-6hr-90%	12.00	2.40	0.00	0.0033	0	6.00	35.35	0.00	0.00

Appendix M: Proposed condition Pond Zones Map

787•743•4761
info@pmggroupllc.com
PO Box 669 Caguas PR 00726-0669

BASIN_1
AREA: 10.2ac

Node_1PC
POND ZONE
POND INV:9.1M
MAX WATER DEPTH:0.50M
DISCHARGE: 4x12in pipes
IE: 9.1M
Weir Discharge above
Dirt Road @ 9.5m

BASIN_2
AREA: 48.8ac

Node_2PC
POND ZONE
POND INV: 7.64M
MAX WATER DEPTH: 0.72M
DISCHARGE: 3x12IN
IE: 7.64M
Weir Discharge above
Dirt Road @ 8.10m

Node_4PC
POND ZONE
POND INV: 5.64M
MAX WATER DEPTH: 0.43M
DISCHARGE: 3x12in @5.65M
Weir Discharge @ 6.00m

BASIN_4
AREA: 32.9ac

BASIN_5
AREA: 21.2ac

Node_5PC
POND ZONE
POND INV: 6.5M
MAX WATER DEPTH: 0.57M
DISCHARGE : 2 X 12IN @ 6.4M
Weir Discharge @ 6.8m

BASIN_3
AREA: 5.3ac

BASIN_6
AREA: 144.7ac

Node_6PC
POND ZONE
POND INV: 6.51M
MAX WATER DEPTH: 0.58M
DISCHARGE: Pipe: 3 x 12in @ 6.5m
Natural Weir discharge
@ 7.0

BASIN_7
AREA: 52.2ac

Node_7PC
POND ZONE
POND INV: 9.0M
MAX WATER DEPTH: 0.46M
DISCHARGE: 3x12in @ 9.0m
Natural Weir discharge @ 9.5m

APPROX. NORTH

HACIA GUAYAMA (PUEBLO)

TORRES LINEAS ELECTRICAS

HACIA SALINAS

HACIA EL TREN

PROPOSED CONDITION PONDING ZONES MAP

SCALE= 1:500

0 50 m 100 m 200 m

SCALE: 1:2000

PMG AND ASSOCIATES
#12 ACOSTA CAGUAS,PR 00726
787.643.4761 INFO@PMGGROUPLLC.COM

CERTIFICO QUE SO Y EL PROFESIONAL QUE CONFECCIONO Y/O DISEÑO Y/O PREPARO ESTOS PLANOS Y LAS ESPECIF ICACIONES COMPLEMENTARIAS. TAMBIÉN CERTIFICO QUE ENTIENDO QUE DICHOS PLANOS Y ESPECIFICACIONES CUMPLEN CON LAS DISPOSICIONES APLICABLES DE REGLAMENTO CONJUNTO Y LAS DISPOSICIONES APLICABLES DE LOS REGLAMENTOS Y CÓDIGOS DE CONSTRUCCIÓN VIGENTES DE LAS AGEN CIAS, JUNTAS REGLAMENTADORAS O CORPORACIONES PÚBLICAS CON JURISDICCIÓN. RECONOZCO QUE CUALQUIER DECLARACIÓN FALSA O FALSIFICACIÓN DE LOS HECHOS QUE SE HAYA PRODUCIDO POR DESCONOCIMIENTO O POR NEGLIGENCIA YA SEA POR MI, MIS AGENTES O EMPLEADOS, O POR OTRAS PERSONAS CON MI CONOCIMIENTO, ME HACEN RESPONSABLE DE CUALQUIER ACCIÓN JUDICIAL Y DISCIPLINARIA POR LA OGPE.

AES Jobos PV SITE
PR-3, km 143 Jobos Ward, Guayama PR.

PLOT DATE AND TIME:6/7/2021 3:40 PM

NO.	REVISION	DATE
0		00/00/0000

SCALE: AS NOTED

CHECK BY:	DRAW BY:
P.GARCIA	L.MALAVE

PREPARED FOR:
ADD OWNER

PAGE TITLE:
PROPOSED CONDITION
POND ZONE MAP

SHEET:

FILE:M:\29408-AES-Jobos-Guayama\CAD\WORK\29408_HDR.POND.dwg

Appendix N: Proposed Condition ICPR Report

787•743•4761
info@pmggroupllc.com
PO Box 669 Caguas PR 00726-0669

```
================================================================================================
==== Basins ====================================================================================
================================================================================================

         Name: Basin_01PC              Node: Node_1PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 24.40
              Area(ac): 10.200                 Time Shift(hrs): 0.00
           Curve Number: 75.20             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


------------------------------------------------------------------------------------------------
         Name: Basin_02PC              Node: Node_2PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 80.10
              Area(ac): 48.800                 Time Shift(hrs): 0.00
           Curve Number: 63.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


------------------------------------------------------------------------------------------------
         Name: Basin_03PC              Node: Node_4PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 23.80
              Area(ac): 5.300                  Time Shift(hrs): 0.00
           Curve Number: 62.30             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


------------------------------------------------------------------------------------------------
         Name: Basin_04PC              Node: Node_4PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 47.80
              Area(ac): 32.900                 Time Shift(hrs): 0.00
           Curve Number: 70.30             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


------------------------------------------------------------------------------------------------
         Name: Basin_05PC              Node: Node_5PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000               Time of Conc(min): 32.40
              Area(ac): 21.200                 Time Shift(hrs): 0.00
           Curve Number: 80.00             Max Allowable Q(cfs): 999999.000
                DCIA(%): 0.00


------------------------------------------------------------------------------------------------
         Name: Basin_06PC              Node: Node_6PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN
```

```
        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 104.00
              Area(ac): 144.700                  Time Shift(hrs): 0.00
          Curve Number: 63.70               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


-------------------------------------------------------------------------------------------------
         Name: Basin_07PC              Node: Node_7PC              Status: Onsite
        Group: BASE                    Type: SCS Unit Hydrograph CN

        Unit Hydrograph: Uh484                  Peaking Factor: 484.0
          Rainfall File:                     Storm Duration(hrs): 0.00
    Rainfall Amount(in): 0.000                 Time of Conc(min): 53.90
              Area(ac): 52.200                   Time Shift(hrs): 0.00
          Curve Number: 61.50               Max Allowable Q(cfs): 999999.000
               DCIA(%): 0.00


=================================================================================================
==== Nodes ======================================================================================
=================================================================================================

      Name:                     Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Stage/Area


      Stage(ft)        Area(ac)
--------------- ---------------

-------------------------------------------------------------------------------------------------
      Name: Node-1              Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00          -0.100
         100.00           0.000

-------------------------------------------------------------------------------------------------
      Name: Node-2              Base Flow(cfs): 0.000          Init Stage(ft): 0.000
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00          -0.100
         100.00           0.000

-------------------------------------------------------------------------------------------------
      Name: Node-5              Base Flow(cfs): 0.000          Init Stage(ft): -0.100
     Group: BASE                                              Warn Stage(ft): 0.000
      Type: Time/Stage


      Time(hrs)       Stage(ft)
--------------- ---------------
           0.00          -0.100
         100.00           0.000

-------------------------------------------------------------------------------------------------
      Name: Node-6              Base Flow(cfs): 0.000          Init Stage(ft): -0.100
```

Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	-0.100
100.00	0.000

Name: Node_1PC Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.450
Type: Stage/Area

Stage(ft)	Area(ac)
0.000	0.3000
0.500	0.4000
1.000	0.6400
2.000	1.0000

Name: Node_2PC Base Flow(cfs): 0.000 Init Stage(ft): 0.750
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
0.000	0.6800
0.750	0.8500
1.000	1.5000
2.000	2.0000

Name: Node_4 Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)
0.00	-0.100
100.00	0.000

Name: Node_4PC Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.000
Type: Stage/Area

Stage(ft)	Area(ac)
0.000	0.3000
0.500	0.4000
1.000	0.6400
2.000	1.0000

Name: Node_5PC Base Flow(cfs): 0.000 Init Stage(ft): 0.000
Group: BASE Warn Stage(ft): 0.000
Type: Time/Stage

Time(hrs)	Stage(ft)

```
          0.00           0.000
        100.00          20.000

--------------------------------------------------------------------------------------------
      Name: Node_6PC            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
--------------- ---------------
          0.00           0.000
        100.00          20.000

--------------------------------------------------------------------------------------------
      Name: Node_7              Base Flow(cfs): 0.000         Init Stage(ft): -0.100
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Time/Stage



      Time(hrs)       Stage(ft)
--------------- ---------------
          0.00          -0.100
        100.00           0.000

--------------------------------------------------------------------------------------------
      Name: Node_7PC            Base Flow(cfs): 0.000         Init Stage(ft): 0.000
     Group: BASE                                             Warn Stage(ft): 0.000
      Type: Stage/Area



      Stage(ft)        Area(ac)
--------------- ---------------
         0.000          0.3000
         0.500          0.4000
         1.000          0.6400
         2.000          1.0000

============================================================================================
==== Operating Tables ======================================================================
============================================================================================

      Name:                      Group: BASE
      Type: Bottom Clip
  Function: US Depth Above Invert vs. Depth of Clip



   US Depth(ft)  Clip Depth(in)
--------------- ---------------
          0.00            0.00
          1.50            1.50
         12.00            1.50

============================================================================================
==== Pipes =================================================================================
============================================================================================

        Name: P1                 From Node: Node_1PC          Length(ft): 10.00
       Group: BASE                 To Node: Node-1                Count: 4
                                                       Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                         Flow: Both
    Span(in): 12.00          12.00                     Entrance Loss Coef: 0.00
    Rise(in): 12.00          12.00                         Exit Loss Coef: 1.00
  Invert(ft): 0.000          -0.100                        Bend Loss Coef: 0.00
 Manning's N: 0.014000       0.014000                   Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                        Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P2	From Node:	Node_2PC	Length(ft):	10.00
Group:	BASE	To Node:	Node-2	Count:	3
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	36.00	12.00		Entrance Loss Coef:	0.00
Rise(in):	36.00	12.00		Exit Loss Coef:	1.00
Invert(ft):	0.000	-0.100		Bend Loss Coef:	0.00
Manning's N:	0.014000	0.014000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P4	From Node:	Node_4PC	Length(ft):	10.00
Group:	BASE	To Node:	Node_4	Count:	1
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	36.00	36.00		Entrance Loss Coef:	0.00
Rise(in):	36.00	36.00		Exit Loss Coef:	1.00
Invert(ft):	0.000	-0.100		Bend Loss Coef:	0.00
Manning's N:	0.014000	0.014000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Name:	P5	From Node:	Node_5PC	Length(ft):	10.00
Group:	BASE	To Node:	Node-5	Count:	2
				Friction Equation:	Automatic
	UPSTREAM	DOWNSTREAM		Solution Algorithm:	Most Restrictive
Geometry:	Circular	Circular		Flow:	Both
Span(in):	12.00	12.00		Entrance Loss Coef:	0.00
Rise(in):	12.00	12.00		Exit Loss Coef:	1.00
Invert(ft):	0.000	-0.100		Bend Loss Coef:	0.00
Manning's N:	0.014000	0.014000		Outlet Ctrl Spec:	Use dc or tw
Top Clip(in):	0.000	0.000		Inlet Ctrl Spec:	Use dc
Bot Clip(in):	0.000	0.000		Stabilizer Option:	None

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
        Name: P6                 From Node: Node_6PC          Length(ft): 10.00
       Group: BASE                 To Node: Node-6                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                         Flow: Both
    Span(in): 36.00          36.00                     Entrance Loss Coef: 0.00
    Rise(in): 36.00          36.00                         Exit Loss Coef: 1.00
  Invert(ft): 0.000          -0.100                        Bend Loss Coef: 0.00
 Manning's N: 0.014000       0.014000                   Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

```
        Name: P7                 From Node: Node_7PC          Length(ft): 10.00
       Group: BASE                 To Node: Node_7                Count: 1
                                                        Friction Equation: Automatic
              UPSTREAM       DOWNSTREAM                Solution Algorithm: Most Restrictive
    Geometry: Circular       Circular                         Flow: Both
    Span(in): 36.00          36.00                     Entrance Loss Coef: 0.00
    Rise(in): 36.00          36.00                         Exit Loss Coef: 1.00
  Invert(ft): 0.000          -0.100                        Bend Loss Coef: 0.00
 Manning's N: 0.014000       0.014000                   Outlet Ctrl Spec: Use dc or tw
Top Clip(in): 0.000          0.000                       Inlet Ctrl Spec: Use dc
Bot Clip(in): 0.000          0.000                     Stabilizer Option: None
```

Upstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

Downstream FHWA Inlet Edge Description:
Circular Concrete: Square edge w/ headwall

==========
==== Weirs ==========
==========

```
        Name: W1                 From Node: Node_1PC
       Group: BASE                 To Node: Node-1
        Flow: Both                   Count: 1
        Type: Vertical: Gravel    Geometry: Trapezoidal

           Bottom Width(ft): 4.00
       Left Side Slope(h/v): 100.00
      Right Side Slope(h/v): 100.00
                  Invert(ft): 1.270
     Control Elevation(ft): 1.270
    Struct Opening Dim(ft): 9999.00
                                       TABLE
            Bottom Clip(ft): 0.000
               Top Clip(ft): 0.000
      Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600
```

```
---------------------------------------------------------------------------------------------------
        Name: W2                  From Node: Node_2PC
       Group: BASE                  To Node: Node-2
        Flow: Both                    Count: 1
        Type: Vertical: Gravel    Geometry: Trapezoidal

           Bottom Width(ft): 5.00
      Left Side Slope(h/v): 50.00
     Right Side Slope(h/v): 50.00
                Invert(ft): 1.500
     Control Elevation(ft): 1.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
        Name: W4                  From Node: Node_4PC
       Group: BASE                  To Node: Node_4
        Flow: Both                    Count: 1
        Type: Vertical: Gravel    Geometry: Trapezoidal

           Bottom Width(ft): 5.00
      Left Side Slope(h/v): 50.00
     Right Side Slope(h/v): 50.00
                Invert(ft): 0.500
     Control Elevation(ft): 0.500
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
        Name: W5                  From Node: Node_5PC
       Group: BASE                  To Node: Node-5
        Flow: Both                    Count: 1
        Type: Vertical: Gravel    Geometry: Trapezoidal

           Bottom Width(ft): 4.00
      Left Side Slope(h/v): 100.00
     Right Side Slope(h/v): 100.00
                Invert(ft): 1.270
     Control Elevation(ft): 1.270
    Struct Opening Dim(ft): 9999.00
                                          TABLE
          Bottom Clip(ft): 0.000
             Top Clip(ft): 0.000
       Weir Discharge Coef: 3.200
    Orifice Discharge Coef: 0.600



---------------------------------------------------------------------------------------------------
        Name: W6                  From Node: Node_7PC
       Group: BASE                  To Node: Node_7
        Flow: Both                    Count: 1
        Type: Vertical: Gravel    Geometry: Trapezoidal

           Bottom Width(ft): 5.00
      Left Side Slope(h/v): 50.00
     Right Side Slope(h/v): 50.00
                Invert(ft): 0.500
     Control Elevation(ft): 0.500
```

```
      Struct Opening Dim(ft): 9999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
         Orifice Discharge Coef: 0.600



-------------------------------------------------------------------------------------------------
         Name: W6                  From Node: Node_6PC
        Group: BASE                  To Node: Node-6
         Flow: Both                    Count: 1
         Type: Vertical: Gravel     Geometry: Trapezoidal

            Bottom Width(ft): 5.00
        Left Side Slope(h/v): 50.00
       Right Side Slope(h/v): 50.00
                  Invert(ft): 0.500
       Control Elevation(ft): 0.500
      Struct Opening Dim(ft): 9999.00
                                              TABLE
             Bottom Clip(ft): 0.000
                Top Clip(ft): 0.000
           Weir Discharge Coef: 3.200
         Orifice Discharge Coef: 0.600



=================================================================================
==== Hydrology Simulations ======================================================
=================================================================================

         Name: 100-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 11.30

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 100-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 11.30

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 100-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 3.57
```

```
Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 100-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 3.57

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 100-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 14.60

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 100-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 14.60

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------------
         Name: 100-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 8.53

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 100-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
```

```
    Rainfall Amount(in): 8.53

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 6.60

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 6.60

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 2.56

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 2.56

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-24hr-10%.R32



      Override Defaults: Yes
```

```
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 8.15

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 8.15

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 5.27

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 10yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 5.27

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 8.33

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-12hr-90%.R32
```

```
      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 8.33

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 2.96

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 2.96

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 10.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 10.50

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          15.00

-------------------------------------------------------------------------------------------------
         Name: 25yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-6hr-10%.R32
```

```
      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 6.51

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 25yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 6.51

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 3.86

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 3.86

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 1.81

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
```

```
         Name: 2yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 1.81

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 4.58

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 4.58

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 3.22

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 2yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 3.22

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00
```

```
--------------------------------------------------------------------------------------------------
         Name: 50-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 9.76

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

--------------------------------------------------------------------------------------------------
         Name: 50-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 9.76

Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

--------------------------------------------------------------------------------------------------
         Name: 50-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 3.26

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

--------------------------------------------------------------------------------------------------
         Name: 50-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 3.26

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           5.00

--------------------------------------------------------------------------------------------------
         Name: 50-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 12.50

Time(hrs)       Print Inc(min)
```

```
-------------- --------------
24.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 50-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 12.50

Time(hrs)       Print Inc(min)
-------------- --------------
24.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 50-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-10%
    Rainfall Amount(in): 7.50

Time(hrs)       Print Inc(min)
-------------- --------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 50-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
          Rainfall File: 6hr-90%
    Rainfall Amount(in): 7.50

Time(hrs)       Print Inc(min)
-------------- --------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-12hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-10%
    Rainfall Amount(in): 5.38

Time(hrs)       Print Inc(min)
-------------- --------------
12.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-12hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 12.00
          Rainfall File: 12hr-90%
    Rainfall Amount(in): 5.38
```

```
Time(hrs)       Print Inc(min)
--------------- ---------------
12.000          15.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-1hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-10%
    Rainfall Amount(in): 2.24

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-1hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 1.00
          Rainfall File: 1hr-90%
    Rainfall Amount(in): 2.24

Time(hrs)       Print Inc(min)
--------------- ---------------
1.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-24hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-10%
    Rainfall Amount(in): 6.52

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-24hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 24.00
          Rainfall File: 24hr-90%
    Rainfall Amount(in): 6.52

Time(hrs)       Print Inc(min)
--------------- ---------------
24.000          30.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-6hr-10%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
```

```
         Rainfall File: 6hr-10%
    Rainfall Amount(in): 4.39

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

-------------------------------------------------------------------------------------------------------
         Name: 5yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-6hr-90%.R32



      Override Defaults: Yes
    Storm Duration(hrs): 6.00
         Rainfall File: 6hr-90%
    Rainfall Amount(in): 4.39

Time(hrs)       Print Inc(min)
--------------- ---------------
6.000           10.00

===============================================================================================
==== Routing Simulations ======================================================================
===============================================================================================

         Name: 100-12hr-10%        Hydrology Sim: 100-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-12hr-10%.I32



      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 100-12hr-90%        Hydrology Sim: 100-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-12hr-90%.I32



      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
```

```
-------------- -----
BASE           Yes


-------------------------------------------------------------------------------------------------------
         Name: 100-1hr-10%         Hydrology Sim: 100-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-1hr-10%.I32



      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 100-1hr-90%         Hydrology Sim: 100-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-1hr-90%.I32



      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 100-24hr-10%        Hydrology Sim: 100-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-24hr-10%.I32



      Execute: No          Restart: No           Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:
```

```
Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100-24hr-90%        Hydrology Sim: 100-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-24hr-90%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100-6hr-10%         Hydrology Sim: 100-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-6hr-10%.I32



      Execute: Yes         Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:



Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 100-6hr-90%         Hydrology Sim: 100-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\100-6hr-90%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
```

```
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


------------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-10%       Hydrology Sim: 10yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-12hr-10%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


------------------------------------------------------------------------------------------------------
         Name: 10yr-12hr-90%       Hydrology Sim: 10yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-12hr-90%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


------------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-10%        Hydrology Sim: 10yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-1hr-10%.I32



      Execute: No          Restart: No            Patch: No
```

```
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 10yr-1hr-90%        Hydrology Sim: 10yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-1hr-90%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         5.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-10%       Hydrology Sim: 10yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-24hr-10%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 10yr-24hr-90%       Hydrology Sim: 10yr-24hr-90%
```

Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-24hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 48.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 10yr-6hr-10% Hydrology Sim: 10yr-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-6hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 10yr-6hr-90% Hydrology Sim: 10yr-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\10yr-6hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run

BASE Yes

Name: 25yr-12hr-10% Hydrology Sim: 25yr-12hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-12hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 25yr-12hr-90% Hydrology Sim: 25yr-12hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-12hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 25yr-1hr-10% Hydrology Sim: 25yr-1hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-1hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)

--------------- ---------------
999.000   5.000

Group   Run
--------------- -----
BASE   Yes

         Name: 25yr-1hr-90%   Hydrology Sim: 25yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-1hr-90%.I32

      Execute: No   Restart: No   Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000   End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000   Max Calc Time(sec): 60.0000
        Boundary Stages: Boundary Flows:

Time(hrs)   Print Inc(min)
--------------- ---------------
999.000   5.000

Group   Run
--------------- -----
BASE   Yes

         Name: 25yr-24hr-10%   Hydrology Sim: 25yr-24hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-24hr-10%.I32

      Execute: No   Restart: No   Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000   End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000   Max Calc Time(sec): 60.0000
        Boundary Stages: Boundary Flows:

Time(hrs)   Print Inc(min)
--------------- ---------------
999.000   15.000

Group   Run
--------------- -----
BASE   Yes

         Name: 25yr-24hr-90%   Hydrology Sim: 25yr-24hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-24hr-90%.I32

      Execute: No   Restart: No   Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00   Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000   End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000   Max Calc Time(sec): 60.0000

```
        Boundary Stages:                          Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 25yr-6hr-10%        Hydrology Sim: 25yr-6hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-6hr-10%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 25yr-6hr-90%        Hydrology Sim: 25yr-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\25yr-6hr-90%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                          Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
         Name: 2yr-12hr-10%        Hydrology Sim: 2yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-12hr-10%.I32



      Execute: No          Restart: No            Patch: No
  Alternative: No
```

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 2yr-12hr-90%        Hydrology Sim: 2yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-12hr-90%.I32


      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 2yr-1hr-10%         Hydrology Sim: 2yr-1hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-1hr-10%.I32


      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000               Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 2yr-1hr-90%         Hydrology Sim: 2yr-1hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-1hr-90%.I32
```

```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 2.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
        Name: 2yr-24hr-10%        Hydrology Sim: 2yr-24hr-10%
    Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-24hr-10%.I32



     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         30.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
        Name: 2yr-24hr-90%        Hydrology Sim: 2yr-24hr-90%
    Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-24hr-90%.I32



     Execute: Yes         Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                    End Time(hrs): 48.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         30.000

Group           Run
--------------- -----
BASE            Yes
```

Name: 2yr-6hr-10% Hydrology Sim: 2yr-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-6hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 2yr-6hr-90% Hydrology Sim: 2yr-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\2yr-6hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 50-12hr-10% Hydrology Sim: 50-12hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-12hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)

999.000 15.000

Group Run
BASE Yes

Name: 50-12hr-90% Hydrology Sim: 50-12hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-12hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 24.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
999.000 15.000

Group Run
BASE Yes

Name: 50-1hr-10% Hydrology Sim: 50-1hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-1hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs) Print Inc(min)
999.000 5.000

Group Run
BASE Yes

Name: 50-1hr-90% Hydrology Sim: 50-1hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-1hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 2.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	5.000

Group	Run
BASE	Yes

Name: 50-24hr-10% Hydrology Sim: 50-24hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-24hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 48.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 50-24hr-90% Hydrology Sim: 50-24hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-24hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 48.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	15.000

Group	Run
BASE	Yes

Name: 50-6hr-10% Hydrology Sim: 50-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-6hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

```
        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 50-6hr-90%          Hydrology Sim: 50-6hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\50-6hr-90%.I32


      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 12.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 5yr-12hr-10%        Hydrology Sim: 5yr-12hr-10%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-12hr-10%.I32


      Execute: No          Restart: No            Patch: No
  Alternative: No

        Max Delta Z(ft): 1.00                    Delta Z Factor: 0.00500
    Time Step Optimizer: 10.000
        Start Time(hrs): 0.000                    End Time(hrs): 24.00
     Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
        Boundary Stages:                         Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------
         Name: 5yr-12hr-90%        Hydrology Sim: 5yr-12hr-90%
     Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-12hr-90%.I32
```

```
     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 24.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         15.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
        Name: 5yr-1hr-10%         Hydrology Sim: 5yr-1hr-10%
    Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-1hr-10%.I32



     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 2.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes


-------------------------------------------------------------------------------------------------------
        Name: 5yr-1hr-90%         Hydrology Sim: 5yr-1hr-90%
    Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-1hr-90%.I32



     Execute: No          Restart: No           Patch: No
  Alternative: No

       Max Delta Z(ft): 1.00                   Delta Z Factor: 0.00500
   Time Step Optimizer: 10.000
       Start Time(hrs): 0.000                   End Time(hrs): 2.00
    Min Calc Time(sec): 0.5000              Max Calc Time(sec): 60.0000
       Boundary Stages:                        Boundary Flows:


Time(hrs)       Print Inc(min)
--------------- ---------------
999.000         10.000

Group           Run
--------------- -----
BASE            Yes
```

Name: 5yr-24hr-10% Hydrology Sim: 5yr-24hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-24hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 48.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	30.000

Group	Run
BASE	Yes

Name: 5yr-24hr-90% Hydrology Sim: 5yr-24hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-24hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 48.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	30.000

Group	Run
BASE	Yes

Name: 5yr-6hr-10% Hydrology Sim: 5yr-6hr-10%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-6hr-10%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Name: 5yr-6hr-90% Hydrology Sim: 5yr-6hr-90%
Filename: M:\29408-AES-Jobos-Guayama\HH\ICPR\PC\5yr-6hr-90%.I32

Execute: No Restart: No Patch: No
Alternative: No

Max Delta Z(ft): 1.00 Delta Z Factor: 0.00500
Time Step Optimizer: 10.000
Start Time(hrs): 0.000 End Time(hrs): 12.00
Min Calc Time(sec): 0.5000 Max Calc Time(sec): 60.0000
Boundary Stages: Boundary Flows:

Time(hrs)	Print Inc(min)
999.000	10.000

Group	Run
BASE	Yes

Simulation	Basin	Group	Time Max hrs	Flow Max cfs	Volume in	Volume ft3
100-12hr-10%	Basin_01PC	BASE	1.19	37.48	8.112	300357
100-12hr-10%	Basin_02PC	BASE	2.33	119.27	6.405	1134623
100-12hr-10%	Basin_03PC	BASE	1.43	15.04	6.299	121180
100-12hr-10%	Basin_04PC	BASE	1.67	103.43	7.448	889547
100-12hr-10%	Basin_05PC	BASE	1.30	82.66	8.758	674002
100-12hr-10%	Basin_06PC	BASE	2.67	332.43	6.509	3419101
100-12hr-10%	Basin_07PC	BASE	1.92	134.32	6.194	1173598
100-12hr-90%	Basin_01PC	BASE	11.98	33.04	8.053	298172
100-12hr-90%	Basin_02PC	BASE	12.25	111.10	6.143	1088253
100-12hr-90%	Basin_03PC	BASE	12.01	15.30	6.151	118333
100-12hr-90%	Basin_04PC	BASE	12.08	92.04	7.170	856345
100-12hr-90%	Basin_05PC	BASE	12.02	67.94	8.589	660962
100-12hr-90%	Basin_06PC	BASE	12.42	303.64	6.246	3280624
100-12hr-90%	Basin_07PC	BASE	12.08	129.73	5.935	1124686
100-1hr-10%	Basin_01PC	BASE	0.60	17.25	1.341	49667
100-1hr-10%	Basin_02PC	BASE	1.42	25.76	0.694	122868
100-1hr-10%	Basin_03PC	BASE	0.85	4.81	0.637	12256
100-1hr-10%	Basin_04PC	BASE	1.00	36.25	1.069	127648
100-1hr-10%	Basin_05PC	BASE	0.72	41.28	1.642	126346
100-1hr-10%	Basin_06PC	BASE	1.67	64.38	0.727	381642
100-1hr-10%	Basin_07PC	BASE	1.17	32.76	0.627	118738
100-1hr-90%	Basin_01PC	BASE	1.14	29.97	1.189	44009
100-1hr-90%	Basin_02PC	BASE	1.75	28.56	0.694	122868
100-1hr-90%	Basin_03PC	BASE	1.11	6.27	0.437	8415
100-1hr-90%	Basin_04PC	BASE	1.42	48.40	1.069	127648
100-1hr-90%	Basin_05PC	BASE	1.15	48.63	1.176	90464
100-1hr-90%	Basin_06PC	BASE	2.00	68.47	0.727	381642
100-1hr-90%	Basin_07PC	BASE	1.50	40.54	0.627	118738
100-24hr-10%	Basin_01PC	BASE	1.19	34.12	11.258	416857
100-24hr-10%	Basin_02PC	BASE	2.58	115.96	9.335	1653625
100-24hr-10%	Basin_03PC	BASE	1.64	14.04	9.210	177185
100-24hr-10%	Basin_04PC	BASE	1.83	96.38	10.526	1257119
100-24hr-10%	Basin_05PC	BASE	1.30	75.42	11.961	920439
100-24hr-10%	Basin_06PC	BASE	3.00	329.93	9.457	4967193
100-24hr-10%	Basin_07PC	BASE	2.25	127.73	9.090	1722508
100-24hr-90%	Basin_01PC	BASE	23.97	37.10	11.130	412117
100-24hr-90%	Basin_02PC	BASE	24.33	136.58	9.335	1653625
100-24hr-90%	Basin_03PC	BASE	23.96	17.90	9.063	174371
100-24hr-90%	Basin_04PC	BASE	24.08	108.39	10.526	1257119
100-24hr-90%	Basin_05PC	BASE	24.05	76.25	11.868	913286
100-24hr-90%	Basin_06PC	BASE	24.50	377.44	9.457	4967193
100-24hr-90%	Basin_07PC	BASE	24.17	158.07	9.090	1722508
100-6hr-10%	Basin_01PC	BASE	1.03	40.18	5.539	205087
100-6hr-10%	Basin_02PC	BASE	1.92	108.44	4.088	724117
100-6hr-10%	Basin_03PC	BASE	1.16	15.46	4.002	76989
100-6hr-10%	Basin_04PC	BASE	1.42	103.90	4.960	592415
100-6hr-10%	Basin_05PC	BASE	1.15	88.29	6.115	470617
100-6hr-10%	Basin_06PC	BASE	2.25	290.32	4.173	2191758
100-6hr-10%	Basin_07PC	BASE	1.58	127.96	3.914	741701
100-6hr-90%	Basin_01PC	BASE	5.96	31.50	5.426	200897
100-6hr-90%	Basin_02PC	BASE	6.33	100.11	4.088	724117
100-6hr-90%	Basin_03PC	BASE	5.98	13.89	3.936	75730
100-6hr-90%	Basin_04PC	BASE	6.08	88.97	4.960	592415
100-6hr-90%	Basin_05PC	BASE	5.98	66.86	6.036	464525
100-6hr-90%	Basin_06PC	BASE	6.58	267.87	4.173	2191758
100-6hr-90%	Basin_07PC	BASE	6.17	118.89	3.914	741701
10yr-12hr-10%	Basin_01PC	BASE	1.41	17.53	3.815	141245
10yr-12hr-10%	Basin_02PC	BASE	2.50	49.41	2.604	461264
10yr-12hr-10%	Basin_03PC	BASE	1.64	6.13	2.536	48783
10yr-12hr-10%	Basin_04PC	BASE	1.92	46.38	3.320	396473
10yr-12hr-10%	Basin_05PC	BASE	1.44	40.51	4.321	332527
10yr-12hr-10%	Basin_06PC	BASE	2.83	139.09	2.672	1403404
10yr-12hr-10%	Basin_07PC	BASE	2.17	54.52	2.465	467070
10yr-12hr-90%	Basin_01PC	BASE	12.04	17.63	3.783	140065
10yr-12hr-90%	Basin_02PC	BASE	12.25	51.19	2.475	438487
10yr-12hr-90%	Basin_03PC	BASE	12.01	7.31	2.463	47392

10yr-12hr-90%	Basin_04PC	BASE	12.08	46.63	3.175	379154
10yr-12hr-90%	Basin_05PC	BASE	12.02	37.21	4.227	325303
10yr-12hr-90%	Basin_06PC	BASE	12.50	139.38	2.541	1334945
10yr-12hr-90%	Basin_07PC	BASE	12.08	59.74	2.340	443383
10yr-1hr-10%	Basin_01PC	BASE	0.81	9.00	0.681	25223
10yr-1hr-10%	Basin_02PC	BASE	1.50	10.02	0.264	46818
10yr-1hr-10%	Basin_03PC	BASE	0.90	2.02	0.234	4502
10yr-1hr-10%	Basin_04PC	BASE	1.08	17.33	0.495	59159
10yr-1hr-10%	Basin_05PC	BASE	0.79	22.84	0.899	69203
10yr-1hr-10%	Basin_06PC	BASE	1.75	25.39	0.283	148837
10yr-1hr-10%	Basin_07PC	BASE	1.17	12.40	0.226	42852
10yr-1hr-90%	Basin_01PC	BASE	1.14	15.42	0.591	21875
10yr-1hr-90%	Basin_02PC	BASE	1.75	10.90	0.264	46818
10yr-1hr-90%	Basin_03PC	BASE	1.16	2.04	0.140	2687
10yr-1hr-90%	Basin_04PC	BASE	1.42	22.74	0.495	59159
10yr-1hr-90%	Basin_05PC	BASE	1.15	25.70	0.612	47076
10yr-1hr-90%	Basin_06PC	BASE	2.08	26.71	0.283	148837
10yr-1hr-90%	Basin_07PC	BASE	1.50	14.78	0.226	42852
10yr-24hr-10%	Basin_01PC	BASE	1.63	15.26	5.194	192305
10yr-24hr-10%	Basin_02PC	BASE	3.00	46.31	3.785	670491
10yr-24hr-10%	Basin_03PC	BASE	2.12	5.46	3.702	71227
10yr-24hr-10%	Basin_04PC	BASE	2.25	41.15	4.630	552919
10yr-24hr-10%	Basin_05PC	BASE	1.66	35.17	5.758	443121
10yr-24hr-10%	Basin_06PC	BASE	3.33	133.44	3.867	2031125
10yr-24hr-10%	Basin_07PC	BASE	2.58	49.72	3.618	685512
10yr-24hr-90%	Basin_01PC	BASE	23.97	19.30	5.127	189815
10yr-24hr-90%	Basin_02PC	BASE	24.33	63.76	3.785	670491
10yr-24hr-90%	Basin_03PC	BASE	23.96	8.50	3.631	69866
10yr-24hr-90%	Basin_04PC	BASE	24.08	54.31	4.630	552919
10yr-24hr-90%	Basin_05PC	BASE	24.05	40.62	5.708	439283
10yr-24hr-90%	Basin_06PC	BASE	24.50	175.71	3.867	2031125
10yr-24hr-90%	Basin_07PC	BASE	24.17	73.62	3.618	685512
10yr-6hr-10%	Basin_01PC	BASE	1.14	19.78	2.684	99387
10yr-6hr-10%	Basin_02PC	BASE	2.08	45.81	1.682	297900
10yr-6hr-10%	Basin_03PC	BASE	1.32	6.52	1.628	31318
10yr-6hr-10%	Basin_04PC	BASE	1.58	48.47	2.264	270438
10yr-6hr-10%	Basin_05PC	BASE	1.22	45.69	3.126	240529
10yr-6hr-10%	Basin_06PC	BASE	2.33	123.36	1.736	911651
10yr-6hr-10%	Basin_07PC	BASE	1.75	53.14	1.571	297760
10yr-6hr-90%	Basin_01PC	BASE	5.96	17.20	2.621	97046
10yr-6hr-90%	Basin_02PC	BASE	6.42	45.82	1.682	297900
10yr-6hr-90%	Basin_03PC	BASE	6.03	6.67	1.595	30692
10yr-6hr-90%	Basin_04PC	BASE	6.17	45.67	2.264	270438
10yr-6hr-90%	Basin_05PC	BASE	6.05	37.72	3.080	237013
10yr-6hr-90%	Basin_06PC	BASE	6.58	121.57	1.736	911651
10yr-6hr-90%	Basin_07PC	BASE	6.17	54.47	1.571	297760
25yr-12hr-10%	Basin_01PC	BASE	1.36	24.65	5.357	198349
25yr-12hr-10%	Basin_02PC	BASE	2.42	73.79	3.928	695793
25yr-12hr-10%	Basin_03PC	BASE	1.59	9.22	3.844	73945
25yr-12hr-10%	Basin_04PC	BASE	1.83	66.58	4.786	571580
25yr-12hr-10%	Basin_05PC	BASE	1.37	55.72	5.927	456130
25yr-12hr-10%	Basin_06PC	BASE	2.75	206.73	4.011	2106928
25yr-12hr-10%	Basin_07PC	BASE	2.08	82.21	3.758	712015
25yr-12hr-90%	Basin_01PC	BASE	12.04	23.33	5.315	196797
25yr-12hr-90%	Basin_02PC	BASE	12.25	72.92	3.750	664361
25yr-12hr-90%	Basin_03PC	BASE	12.01	10.23	3.743	72020
25yr-12hr-90%	Basin_04PC	BASE	12.08	63.36	4.592	548391
25yr-12hr-90%	Basin_05PC	BASE	12.02	48.60	5.805	446752
25yr-12hr-90%	Basin_06PC	BASE	12.42	198.81	3.832	2012758
25yr-12hr-90%	Basin_07PC	BASE	12.08	85.14	3.584	679094
25yr-1hr-10%	Basin_01PC	BASE	0.81	11.88	0.928	34363
25yr-1hr-10%	Basin_02PC	BASE	1.42	15.59	0.416	73695
25yr-1hr-10%	Basin_03PC	BASE	0.90	3.03	0.375	7224
25yr-1hr-10%	Basin_04PC	BASE	1.00	24.22	0.706	84295
25yr-1hr-10%	Basin_05PC	BASE	0.72	29.70	1.181	90907
25yr-1hr-10%	Basin_06PC	BASE	1.67	39.26	0.441	231472
25yr-1hr-10%	Basin_07PC	BASE	1.17	19.68	0.366	69402
25yr-1hr-90%	Basin_01PC	BASE	1.14	20.92	0.813	30114
25yr-1hr-90%	Basin_02PC	BASE	1.75	17.15	0.416	73695

25yr-1hr-90%	Basin_03PC	BASE	1.11	3.49	0.242	4647
25yr-1hr-90%	Basin_04PC	BASE	1.42	32.22	0.706	84295
25yr-1hr-90%	Basin_05PC	BASE	1.15	34.39	0.824	63381
25yr-1hr-90%	Basin_06PC	BASE	2.00	41.54	0.441	231472
25yr-1hr-90%	Basin_07PC	BASE	1.50	23.84	0.366	69402
25yr-24hr-10%	Basin_01PC	BASE	1.57	21.90	7.361	272532
25yr-24hr-10%	Basin_02PC	BASE	2.83	70.30	5.719	1013073
25yr-24hr-10%	Basin_03PC	BASE	1.69	8.28	5.618	108082
25yr-24hr-10%	Basin_04PC	BASE	2.08	60.38	6.718	802348
25yr-24hr-10%	Basin_05PC	BASE	1.58	49.33	7.989	614830
25yr-24hr-10%	Basin_06PC	BASE	3.17	201.54	5.818	3056034
25yr-24hr-10%	Basin_07PC	BASE	2.33	76.38	5.517	1045443
25yr-24hr-90%	Basin_01PC	BASE	23.97	25.83	7.271	269217
25yr-24hr-90%	Basin_02PC	BASE	24.33	90.22	5.719	1013073
25yr-24hr-90%	Basin_03PC	BASE	23.96	11.93	5.520	106191
25yr-24hr-90%	Basin_04PC	BASE	24.08	74.12	6.718	802348
25yr-24hr-90%	Basin_05PC	BASE	24.05	53.69	7.924	609777
25yr-24hr-90%	Basin_06PC	BASE	24.50	248.95	5.818	3056034
25yr-24hr-90%	Basin_07PC	BASE	24.17	104.30	5.517	1045443
25yr-6hr-10%	Basin_01PC	BASE	1.14	27.31	3.736	138345
25yr-6hr-10%	Basin_02PC	BASE	2.00	68.27	2.538	449670
25yr-6hr-10%	Basin_03PC	BASE	1.27	9.71	2.471	47542
25yr-6hr-10%	Basin_04PC	BASE	1.50	68.80	3.246	387665
25yr-6hr-10%	Basin_05PC	BASE	1.15	61.57	4.239	326200
25yr-6hr-10%	Basin_06PC	BASE	2.33	183.08	2.605	1368559
25yr-6hr-10%	Basin_07PC	BASE	1.67	79.84	2.401	455010
25yr-6hr-90%	Basin_01PC	BASE	5.96	22.65	3.654	135299
25yr-6hr-90%	Basin_02PC	BASE	6.42	65.78	2.538	449670
25yr-6hr-90%	Basin_03PC	BASE	5.98	9.35	2.426	46678
25yr-6hr-90%	Basin_04PC	BASE	6.17	61.89	3.246	387665
25yr-6hr-90%	Basin_05PC	BASE	5.98	48.85	4.180	321699
25yr-6hr-90%	Basin_06PC	BASE	6.58	175.45	2.605	1368559
25yr-6hr-90%	Basin_07PC	BASE	6.17	78.28	2.401	455010
2yr-12hr-10%	Basin_01PC	BASE	1.63	7.29	1.574	58283
2yr-12hr-10%	Basin_02PC	BASE	2.83	16.74	0.842	149186
2yr-12hr-10%	Basin_03PC	BASE	2.01	2.05	0.806	15504
2yr-12hr-10%	Basin_04PC	BASE	2.17	18.00	1.256	150003
2yr-12hr-10%	Basin_05PC	BASE	1.66	18.08	1.924	148063
2yr-12hr-10%	Basin_06PC	BASE	3.17	47.69	0.879	461686
2yr-12hr-10%	Basin_07PC	BASE	2.50	17.89	0.767	145392
2yr-12hr-90%	Basin_01PC	BASE	12.04	8.60	1.558	57697
2yr-12hr-90%	Basin_02PC	BASE	12.33	19.48	0.788	139577
2yr-12hr-90%	Basin_03PC	BASE	12.01	2.94	0.776	14922
2yr-12hr-90%	Basin_04PC	BASE	12.08	20.78	1.188	141894
2yr-12hr-90%	Basin_05PC	BASE	12.02	19.02	1.875	144293
2yr-12hr-90%	Basin_06PC	BASE	12.50	52.68	0.823	432482
2yr-12hr-90%	Basin_07PC	BASE	12.17	22.62	0.716	135645
2yr-1hr-10%	Basin_01PC	BASE	0.87	4.24	0.290	10753
2yr-1hr-10%	Basin_02PC	BASE	1.58	2.44	0.062	10983
2yr-1hr-10%	Basin_03PC	BASE	0.95	0.53	0.050	956
2yr-1hr-10%	Basin_04PC	BASE	1.08	6.61	0.180	21438
2yr-1hr-10%	Basin_05PC	BASE	0.86	11.53	0.433	33284
2yr-1hr-10%	Basin_06PC	BASE	1.83	6.46	0.071	37053
2yr-1hr-10%	Basin_07PC	BASE	1.33	2.71	0.046	8656
2yr-1hr-90%	Basin_01PC	BASE	1.14	6.52	0.243	8992
2yr-1hr-90%	Basin_02PC	BASE	1.83	2.56	0.062	10983
2yr-1hr-90%	Basin_03PC	BASE	1.16	0.28	0.019	362
2yr-1hr-90%	Basin_04PC	BASE	1.42	8.33	0.180	21438
2yr-1hr-90%	Basin_05PC	BASE	1.15	11.51	0.271	20891
2yr-1hr-90%	Basin_06PC	BASE	2.08	6.67	0.071	37053
2yr-1hr-90%	Basin_07PC	BASE	1.50	3.00	0.046	8656
2yr-24hr-10%	Basin_01PC	BASE	2.11	6.03	2.126	78734
2yr-24hr-10%	Basin_02PC	BASE	3.50	15.35	1.249	221292
2yr-24hr-10%	Basin_03PC	BASE	2.59	1.77	1.204	23158
2yr-24hr-10%	Basin_04PC	BASE	2.67	15.30	1.753	209376
2yr-24hr-10%	Basin_05PC	BASE	2.09	14.75	2.526	194428
2yr-24hr-10%	Basin_06PC	BASE	3.83	44.97	1.295	680250
2yr-24hr-10%	Basin_07PC	BASE	3.17	15.93	1.156	218973
2yr-24hr-90%	Basin_01PC	BASE	23.97	9.29	2.093	77514

2yr-24hr-90%	Basin_02PC	BASE	24.33	25.24	1.249	221292
2yr-24hr-90%	Basin_03PC	BASE	24.01	3.47	1.174	22585
2yr-24hr-90%	Basin_04PC	BASE	24.17	24.48	1.753	209376
2yr-24hr-90%	Basin_05PC	BASE	24.05	20.49	2.501	192465
2yr-24hr-90%	Basin_06PC	BASE	24.50	69.29	1.295	680250
2yr-24hr-90%	Basin_07PC	BASE	24.17	28.99	1.156	218973
2yr-6hr-10%	Basin_01PC	BASE	1.30	8.49	1.118	41379
2yr-6hr-10%	Basin_02PC	BASE	2.25	15.06	0.528	93545
2yr-6hr-10%	Basin_03PC	BASE	1.48	2.15	0.500	9627
2yr-6hr-10%	Basin_04PC	BASE	1.67	19.02	0.855	102106
2yr-6hr-10%	Basin_05PC	BASE	1.30	21.10	1.415	108926
2yr-6hr-10%	Basin_06PC	BASE	2.50	41.02	0.556	292214
2yr-6hr-10%	Basin_07PC	BASE	1.92	16.93	0.471	89228
2yr-6hr-90%	Basin_01PC	BASE	6.02	8.37	1.086	40199
2yr-6hr-90%	Basin_02PC	BASE	6.42	16.42	0.528	93545
2yr-6hr-90%	Basin_03PC	BASE	6.03	2.60	0.487	9367
2yr-6hr-90%	Basin_04PC	BASE	6.17	20.13	0.855	102106
2yr-6hr-90%	Basin_05PC	BASE	6.05	19.49	1.391	107050
2yr-6hr-90%	Basin_06PC	BASE	6.67	43.29	0.556	292214
2yr-6hr-90%	Basin_07PC	BASE	6.25	19.67	0.471	89228
50-12hr-10%	Basin_01PC	BASE	1.25	30.74	6.671	246996
50-12hr-10%	Basin_02PC	BASE	2.33	95.18	5.095	902619
50-12hr-10%	Basin_03PC	BASE	1.48	11.94	5.000	96189
50-12hr-10%	Basin_04PC	BASE	1.75	84.11	6.051	722596
50-12hr-10%	Basin_05PC	BASE	1.30	68.59	7.282	560376
50-12hr-10%	Basin_06PC	BASE	2.67	265.99	5.190	2725881
50-12hr-10%	Basin_07PC	BASE	2.00	106.76	4.904	929166
50-12hr-90%	Basin_01PC	BASE	12.04	28.01	6.621	245139
50-12hr-90%	Basin_02PC	BASE	12.25	91.23	4.877	863993
50-12hr-90%	Basin_03PC	BASE	12.01	12.67	4.877	93820
50-12hr-90%	Basin_04PC	BASE	12.08	77.19	5.816	694574
50-12hr-90%	Basin_05PC	BASE	12.02	57.94	7.137	549231
50-12hr-90%	Basin_06PC	BASE	12.42	249.06	4.970	2610367
50-12hr-90%	Basin_07PC	BASE	12.08	106.52	4.689	888550
50-1hr-10%	Basin_01PC	BASE	0.60	14.38	1.126	41708
50-1hr-10%	Basin_02PC	BASE	1.42	20.38	0.546	96751
50-1hr-10%	Basin_03PC	BASE	0.85	3.88	0.498	9577
50-1hr-10%	Basin_04PC	BASE	1.00	29.98	0.879	104938
50-1hr-10%	Basin_05PC	BASE	0.72	35.31	1.404	108029
50-1hr-10%	Basin_06PC	BASE	1.67	51.09	0.575	302006
50-1hr-10%	Basin_07PC	BASE	1.17	25.85	0.488	92443
50-1hr-90%	Basin_01PC	BASE	1.14	25.28	0.993	36770
50-1hr-90%	Basin_02PC	BASE	1.75	22.50	0.546	96751
50-1hr-90%	Basin_03PC	BASE	1.11	4.78	0.332	6391
50-1hr-90%	Basin_04PC	BASE	1.42	39.94	0.879	104938
50-1hr-90%	Basin_05PC	BASE	1.15	41.27	0.993	76406
50-1hr-90%	Basin_06PC	BASE	2.00	54.19	0.575	302006
50-1hr-90%	Basin_07PC	BASE	1.50	31.65	0.488	92443
50-24hr-10%	Basin_01PC	BASE	1.57	27.67	9.249	342442
50-24hr-10%	Basin_02PC	BASE	2.67	92.11	7.454	1320453
50-24hr-10%	Basin_03PC	BASE	1.64	11.05	7.340	141220
50-24hr-10%	Basin_04PC	BASE	1.92	77.61	8.557	1021927
50-24hr-10%	Basin_05PC	BASE	1.37	61.67	9.918	763237
50-24hr-10%	Basin_06PC	BASE	3.08	263.03	7.565	3973750
50-24hr-10%	Basin_07PC	BASE	2.25	100.91	7.229	1369858
50-24hr-90%	Basin_01PC	BASE	23.97	31.34	9.140	338429
50-24hr-90%	Basin_02PC	BASE	24.33	112.84	7.454	1320453
50-24hr-90%	Basin_03PC	BASE	23.96	14.84	7.219	138877
50-24hr-90%	Basin_04PC	BASE	24.08	90.89	8.557	1021927
50-24hr-90%	Basin_05PC	BASE	24.05	64.72	9.839	757157
50-24hr-90%	Basin_06PC	BASE	24.50	311.65	7.565	3973750
50-24hr-90%	Basin_07PC	BASE	24.17	130.54	7.229	1369858
50-6hr-10%	Basin_01PC	BASE	1.08	33.57	4.609	170660
50-6hr-10%	Basin_02PC	BASE	2.00	87.50	3.278	580733
50-6hr-10%	Basin_03PC	BASE	1.22	12.46	3.201	61591
50-6hr-10%	Basin_04PC	BASE	1.50	85.76	4.072	486316
50-6hr-10%	Basin_05PC	BASE	1.15	74.63	5.151	396404
50-6hr-10%	Basin_06PC	BASE	2.25	234.50	3.355	1762052
50-6hr-10%	Basin_07PC	BASE	1.67	102.91	3.122	591633

50-6hr-90%	Basin_01PC	BASE	5.96	27.00	4.512	167051
50-6hr-90%	Basin_02PC	BASE	6.33	82.36	3.278	580733
50-6hr-90%	Basin_03PC	BASE	5.98	11.56	3.146	60534
50-6hr-90%	Basin_04PC	BASE	6.08	75.13	4.072	486316
50-6hr-90%	Basin_05PC	BASE	5.98	57.70	5.082	391120
50-6hr-90%	Basin_06PC	BASE	6.58	220.23	3.355	1762052
50-6hr-90%	Basin_07PC	BASE	6.17	97.99	3.122	591633
5yr-12hr-10%	Basin_01PC	BASE	1.46	12.74	2.775	102757
5yr-12hr-10%	Basin_02PC	BASE	2.67	33.73	1.754	310689
5yr-12hr-10%	Basin_03PC	BASE	1.80	4.16	1.699	32683
5yr-12hr-10%	Basin_04PC	BASE	2.00	33.04	2.349	280483
5yr-12hr-10%	Basin_05PC	BASE	1.51	30.17	3.223	247998
5yr-12hr-10%	Basin_06PC	BASE	2.92	95.31	1.809	950222
5yr-12hr-10%	Basin_07PC	BASE	2.25	36.83	1.641	310958
5yr-12hr-90%	Basin_01PC	BASE	12.04	13.59	2.751	101841
5yr-12hr-90%	Basin_02PC	BASE	12.33	36.49	1.659	293914
5yr-12hr-90%	Basin_03PC	BASE	12.01	5.31	1.646	31661
5yr-12hr-90%	Basin_04PC	BASE	12.08	34.94	2.238	267299
5yr-12hr-90%	Basin_05PC	BASE	12.02	29.13	3.149	242307
5yr-12hr-90%	Basin_06PC	BASE	12.50	99.20	1.713	899626
5yr-12hr-90%	Basin_07PC	BASE	12.08	42.48	1.550	293648
5yr-1hr-10%	Basin_01PC	BASE	0.81	6.83	0.501	18561
5yr-1hr-10%	Basin_02PC	BASE	1.50	6.28	0.164	28965
5yr-1hr-10%	Basin_03PC	BASE	0.90	1.31	0.141	2715
5yr-1hr-10%	Basin_04PC	BASE	1.08	12.37	0.346	41371
5yr-1hr-10%	Basin_05PC	BASE	0.86	17.74	0.689	52987
5yr-1hr-10%	Basin_06PC	BASE	1.75	16.09	0.178	93529
5yr-1hr-10%	Basin_07PC	BASE	1.25	7.61	0.135	25529
5yr-1hr-90%	Basin_01PC	BASE	1.14	11.36	0.430	15910
5yr-1hr-90%	Basin_02PC	BASE	1.75	6.75	0.164	28965
5yr-1hr-90%	Basin_03PC	BASE	1.16	1.13	0.076	1460
5yr-1hr-90%	Basin_04PC	BASE	1.42	15.98	0.346	41371
5yr-1hr-90%	Basin_05PC	BASE	1.15	19.25	0.456	35097
5yr-1hr-90%	Basin_06PC	BASE	2.08	16.81	0.178	93529
5yr-1hr-90%	Basin_07PC	BASE	1.50	8.82	0.135	25529
5yr-24hr-10%	Basin_01PC	BASE	1.63	10.78	3.745	138667
5yr-24hr-10%	Basin_02PC	BASE	3.17	31.09	2.546	450955
5yr-24hr-10%	Basin_03PC	BASE	2.12	3.63	2.478	47679
5yr-24hr-10%	Basin_04PC	BASE	2.33	28.65	3.254	388642
5yr-24hr-10%	Basin_05PC	BASE	1.73	25.55	4.248	326903
5yr-24hr-10%	Basin_06PC	BASE	3.50	90.14	2.613	1372421
5yr-24hr-10%	Basin_07PC	BASE	2.75	33.04	2.408	456346
5yr-24hr-90%	Basin_01PC	BASE	23.97	14.74	3.694	136756
5yr-24hr-90%	Basin_02PC	BASE	24.33	45.73	2.546	450955
5yr-24hr-90%	Basin_03PC	BASE	23.96	6.15	2.427	46684
5yr-24hr-90%	Basin_04PC	BASE	24.17	40.56	3.254	388642
5yr-24hr-90%	Basin_05PC	BASE	24.05	31.47	4.209	323916
5yr-24hr-90%	Basin_06PC	BASE	24.50	125.86	2.613	1372421
5yr-24hr-90%	Basin_07PC	BASE	24.17	52.72	2.408	456346
5yr-6hr-10%	Basin_01PC	BASE	1.19	14.70	1.977	73214
5yr-6hr-10%	Basin_02PC	BASE	2.08	31.39	1.137	201412
5yr-6hr-10%	Basin_03PC	BASE	1.38	4.47	1.094	21044
5yr-6hr-10%	Basin_04PC	BASE	1.58	35.04	1.618	193229
5yr-6hr-10%	Basin_05PC	BASE	1.22	34.75	2.365	181997
5yr-6hr-10%	Basin_06PC	BASE	2.42	84.85	1.181	620078
5yr-6hr-10%	Basin_07PC	BASE	1.83	36.06	1.048	198620
5yr-6hr-90%	Basin_01PC	BASE	5.96	13.36	1.928	71375
5yr-6hr-90%	Basin_02PC	BASE	6.42	32.45	1.137	201412
5yr-6hr-90%	Basin_03PC	BASE	6.03	4.85	1.070	20581
5yr-6hr-90%	Basin_04PC	BASE	6.17	34.40	1.618	193229
5yr-6hr-90%	Basin_05PC	BASE	6.05	29.87	2.328	179184
5yr-6hr-90%	Basin_06PC	BASE	6.58	85.67	1.181	620078
5yr-6hr-90%	Basin_07PC	BASE	6.25	38.64	1.048	198620

Name	Group	Simulation	Max Time Stage hrs	Max Stage ft	Warning Stage ft	Max Delta Stage ft	Max Surf Area ft2	Max Time Inflow hrs	Max Inflow cfs	Max Time Outflow hrs	Max Outflow cfs
Node-1	BASE	100-12hr-10%	24.01	-0.08	0.00	-0.1000	5	1.31	37.07	0.00	0.00
Node-2	BASE	100-12hr-10%	24.01	-0.08	0.00	-0.1000	4	2.41	118.30	0.00	0.00
Node-5	BASE	100-12hr-10%	24.01	-0.08	0.00	0.0000	3	1.29	82.28	0.00	0.00
Node-6	BASE	100-12hr-10%	24.01	-0.08	0.00	0.0000	4	2.76	331.08	0.00	0.00
Node_1PC	BASE	100-12hr-10%	1.31	1.62	0.45	-0.0050	37667	1.25	37.45	1.31	37.07
Node_2PC	BASE	100-12hr-10%	2.41	2.35	0.00	0.0050	94771	2.26	119.03	2.41	118.30
Node_4	BASE	100-12hr-10%	24.01	-0.08	0.00	-0.1000	2	1.76	117.53	0.00	0.00
Node_4PC	BASE	100-12hr-10%	1.76	1.39	0.00	0.0040	34049	1.75	117.68	1.76	117.53
Node_5PC	BASE	100-12hr-10%	1.29	1.86	0.45	0.0050	41365	1.25	82.64	1.29	82.28
Node_6PC	BASE	100-12hr-10%	2.76	1.89	0.00	-0.0046	84789	2.74	331.26	2.76	331.08
Node_7	BASE	100-12hr-10%	24.01	-0.08	0.00	0.0000	2	2.01	133.98	0.00	0.00
Node_7PC	BASE	100-12hr-10%	2.01	1.45	0.00	-0.0040	34873	2.00	134.18	2.01	133.98
Node-1	BASE	100-12hr-90%	24.00	-0.08	0.00	-0.1000	5	12.00	32.29	0.00	0.00
Node-2	BASE	100-12hr-90%	24.00	-0.08	0.00	-0.1000	5	12.00	100.62	0.00	0.00
Node-5	BASE	100-12hr-90%	24.00	-0.08	0.00	0.0000	4	12.00	67.07	0.00	0.00
Node-6	BASE	100-12hr-90%	24.00	-0.08	0.00	0.0000	5	12.00	267.68	0.00	0.00
Node_1PC	BASE	100-12hr-90%	12.00	1.59	0.45	0.0031	37146	12.00	33.02	12.00	32.29
Node_2PC	BASE	100-12hr-90%	12.00	2.29	0.00	0.0045	93354	12.00	105.15	12.00	100.62
Node_4	BASE	100-12hr-90%	24.00	-0.08	0.00	-0.1000	3	12.00	106.17	0.00	0.00
Node_4PC	BASE	100-12hr-90%	12.00	1.35	0.00	0.0050	33439	12.00	107.23	12.00	106.17
Node_5PC	BASE	100-12hr-90%	12.00	1.81	0.45	0.0050	40533	12.00	67.79	12.00	67.07
Node_6PC	BASE	100-12hr-90%	12.00	1.77	0.00	-0.0046	82178	12.00	273.12	12.00	267.68
Node_7	BASE	100-12hr-90%	24.00	-0.08	0.00	0.0000	3	12.00	126.76	0.00	0.00
Node_7PC	BASE	100-12hr-90%	12.00	1.42	0.00	0.0050	34519	12.00	128.14	12.00	126.76
Node-1	BASE	100-1hr-10%	2.00	-0.10	0.00	-0.1000	18	1.00	10.93	0.00	0.00
Node-2	BASE	100-1hr-10%	2.00	-0.10	0.00	-0.1000	11	1.00	3.95	0.00	0.00
Node-5	BASE	100-1hr-10%	2.00	-0.10	0.00	0.0000	9	0.88	39.09	0.00	0.00
Node-6	BASE	100-1hr-10%	2.00	-0.10	0.00	0.0000	10	1.00	18.95	0.00	0.00
Node_1PC	BASE	100-1hr-10%	1.00	1.15	0.45	-0.0030	30313	0.58	17.20	1.00	10.93
Node_2PC	BASE	100-1hr-10%	1.00	0.90	0.00	0.0030	53545	1.00	17.04	1.00	3.95
Node_4	BASE	100-1hr-10%	2.00	-0.10	0.00	-0.1000	9	1.00	39.66	0.00	0.00
Node_4PC	BASE	100-1hr-10%	1.00	1.05	0.00	-0.0044	28622	1.00	40.31	1.00	39.66
Node_5PC	BASE	100-1hr-10%	0.88	1.68	0.45	0.0050	38583	0.67	41.08	0.88	39.09
Node_6PC	BASE	100-1hr-10%	1.00	0.88	0.00	-0.0046	51853	1.00	29.64	1.00	18.95
Node_7	BASE	100-1hr-10%	2.00	-0.10	0.00	0.0000	9	1.00	27.30	0.00	0.00
Node_7PC	BASE	100-1hr-10%	1.00	0.96	0.00	-0.0032	26994	1.00	30.58	1.00	27.30
Node-1	BASE	100-1hr-90%	2.00	-0.10	0.00	-0.1000	14	1.00	2.11	0.00	0.00
Node-2	BASE	100-1hr-90%	2.00	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	100-1hr-90%	2.00	-0.10	0.00	0.0000	9	1.00	2.43	0.00	0.00
Node-6	BASE	100-1hr-90%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	100-1hr-90%	1.00	0.41	0.45	0.0034	16657	1.00	18.55	1.00	2.11
Node_2PC	BASE	100-1hr-90%	0.00	0.75	0.00	-0.0028	37039	1.00	1.92	0.00	2.91
Node_4	BASE	100-1hr-90%	2.00	-0.10	0.00	-0.1000	6	1.00	0.48	0.00	0.00
Node_4PC	BASE	100-1hr-90%	1.00	0.27	0.00	0.0027	15421	1.00	13.46	1.00	0.48
Node_5PC	BASE	100-1hr-90%	1.00	0.68	0.45	0.0050	21296	1.00	29.62	1.00	2.43
Node_6PC	BASE	100-1hr-90%	0.00	0.75	0.00	-0.0046	37039	1.00	3.23	0.00	8.88

Node_7	BASE	100-1hr-90%	2.00	-0.10	0.00	0.0000	5	1.00	0.07	0.00	0.00
Node_7PC	BASE	100-1hr-90%	1.00	0.10	0.00	0.0012	13904	1.00	5.10	1.00	0.07
Node-1	BASE	100-24hr-10%	47.99	-0.05	0.00	-0.1000	7	1.46	33.76	0.00	0.00
Node-2	BASE	100-24hr-10%	47.99	-0.05	0.00	-0.1000	3	2.76	115.45	0.00	0.00
Node-5	BASE	100-24hr-10%	47.99	-0.05	0.00	0.0000	4	1.35	75.06	0.00	0.00
Node-6	BASE	100-24hr-10%	47.99	-0.05	0.00	0.0000	3	3.02	329.50	0.00	0.00
Node_1PC	BASE	100-24hr-10%	1.46	1.60	0.45	-0.0050	37314	1.25	34.02	1.46	33.76
Node_2PC	BASE	100-24hr-10%	2.76	2.34	0.00	0.0048	94553	2.51	115.61	2.76	115.45
Node_4	BASE	100-24hr-10%	47.99	-0.05	0.00	-0.1000	3	1.83	109.62	0.00	0.00
Node_4PC	BASE	100-24hr-10%	1.83	1.37	0.00	0.0039	33628	1.75	109.77	1.83	109.62
Node_5PC	BASE	100-24hr-10%	1.35	1.84	0.45	0.0050	40984	1.25	75.29	1.35	75.06
Node_6PC	BASE	100-24hr-10%	3.02	1.89	0.00	-0.0046	84728	3.01	329.83	3.02	329.50
Node_7	BASE	100-24hr-10%	47.99	-0.05	0.00	0.0000	3	2.26	127.59	0.00	0.00
Node_7PC	BASE	100-24hr-10%	2.26	1.43	0.00	0.0032	34561	2.25	127.72	2.26	127.59
Node-1	BASE	100-24hr-90%	47.99	-0.05	0.00	-0.1000	7	23.99	36.11	0.00	0.00
Node-2	BASE	100-24hr-90%	47.99	-0.05	0.00	-0.1000	4	23.99	123.88	0.00	0.00
Node-5	BASE	100-24hr-90%	47.99	-0.05	0.00	0.0000	3	23.99	75.19	0.00	0.00
Node-6	BASE	100-24hr-90%	47.99	-0.05	0.00	0.0000	3	23.99	335.92	0.00	0.00
Node_1PC	BASE	100-24hr-90%	23.99	1.62	0.45	0.0037	37568	23.99	36.82	23.99	36.11
Node_2PC	BASE	100-24hr-90%	23.99	2.37	0.00	0.0050	95189	23.99	127.70	23.99	123.88
Node_4	BASE	100-24hr-90%	47.99	-0.05	0.00	-0.1000	3	23.99	122.92	0.00	0.00
Node_4PC	BASE	100-24hr-90%	23.99	1.41	0.00	-0.0038	34326	23.99	123.98	23.99	122.92
Node_5PC	BASE	100-24hr-90%	23.99	1.84	0.45	0.0042	40991	23.99	75.98	23.99	75.19
Node_6PC	BASE	100-24hr-90%	23.99	1.90	0.00	0.0050	84975	23.99	340.45	23.99	335.92
Node_7	BASE	100-24hr-90%	47.99	-0.05	0.00	0.0000	3	23.99	151.93	0.00	0.00
Node_7PC	BASE	100-24hr-90%	23.99	1.50	0.00	-0.0046	35704	23.99	153.22	23.99	151.93
Node-1	BASE	100-6hr-10%	24.00	-0.08	0.00	-0.1000	5	1.18	39.31	0.00	0.00
Node-2	BASE	100-6hr-10%	24.00	-0.08	0.00	-0.1000	4	2.06	107.01	0.00	0.00
Node-5	BASE	100-6hr-10%	24.00	-0.08	0.00	0.0000	3	1.18	87.78	0.00	0.00
Node-6	BASE	100-6hr-10%	24.00	-0.08	0.00	0.0000	4	2.29	288.67	0.00	0.00
Node_1PC	BASE	100-6hr-10%	1.18	1.64	0.45	-0.0050	37891	1.00	40.00	1.18	39.31
Node_2PC	BASE	100-6hr-10%	2.06	2.31	0.00	0.0050	93884	2.00	108.28	2.06	107.01
Node_4	BASE	100-6hr-10%	24.00	-0.08	0.00	-0.1000	2	1.50	117.49	0.00	0.00
Node_4PC	BASE	100-6hr-10%	1.50	1.39	0.00	0.0043	34047	1.50	117.51	1.50	117.49
Node_5PC	BASE	100-6hr-10%	1.18	1.88	0.45	0.0050	41641	1.17	88.09	1.18	87.78
Node_6PC	BASE	100-6hr-10%	2.29	1.81	0.00	-0.0046	83080	2.17	289.19	2.29	288.67
Node_7	BASE	100-6hr-10%	24.00	-0.08	0.00	0.0000	2	1.68	127.58	0.00	0.00
Node_7PC	BASE	100-6hr-10%	1.68	1.43	0.00	-0.0034	34560	1.66	127.84	1.68	127.58
Node-1	BASE	100-6hr-90%	12.01	-0.09	0.00	-0.1000	8	5.99	30.94	0.00	0.00
Node-2	BASE	100-6hr-90%	12.01	-0.09	0.00	-0.1000	8	5.99	80.56	0.00	0.00
Node-5	BASE	100-6hr-90%	12.01	-0.09	0.00	0.0000	6	5.99	66.19	0.00	0.00
Node-6	BASE	100-6hr-90%	12.01	-0.09	0.00	0.0000	6	5.99	203.86	0.00	0.00
Node_1PC	BASE	100-6hr-90%	5.99	1.58	0.45	-0.0031	36986	5.99	31.32	5.99	30.94
Node_2PC	BASE	100-6hr-90%	5.99	2.20	0.00	0.0047	91528	5.99	87.80	5.99	80.56
Node_4	BASE	100-6hr-90%	12.01	-0.09	0.00	-0.1000	5	5.99	99.80	0.00	0.00
Node_4PC	BASE	100-6hr-90%	5.99	1.33	0.00	0.0050	33078	5.99	101.01	5.99	99.80
Node_5PC	BASE	100-6hr-90%	5.99	1.80	0.45	0.0050	40481	5.99	66.71	5.99	66.19
Node_6PC	BASE	100-6hr-90%	5.99	1.63	0.00	-0.0046	79137	5.99	212.08	5.99	203.86
Node_7	BASE	100-6hr-90%	12.01	-0.09	0.00	0.0000	5	5.99	111.55	0.00	0.00
Node_7PC	BASE	100-6hr-90%	5.99	1.37	0.00	0.0050	33733	5.99	113.39	5.99	111.55

Node-1	BASE	10yr-12hr-10%	23.99	-0.08	0.00	-0.1000	5	1.98	15.33	0.00	0.00
Node-2	BASE	10yr-12hr-10%	23.99	-0.08	0.00	-0.1000	4	2.79	48.13	0.00	0.00
Node-5	BASE	10yr-12hr-10%	23.99	-0.08	0.00	0.0000	3	1.52	40.23	0.00	0.00
Node-6	BASE	10yr-12hr-10%	23.99	-0.08	0.00	0.0000	4	2.94	138.29	0.00	0.00
Node_1PC	BASE	10yr-12hr-10%	1.98	1.39	0.45	-0.0050	34043	1.50	17.42	1.98	15.33
Node_2PC	BASE	10yr-12hr-10%	2.79	2.03	0.00	0.0038	87737	2.50	49.40	2.79	48.13
Node_4	BASE	10yr-12hr-10%	23.99	-0.08	0.00	-0.1000	2	2.00	52.02	0.00	0.00
Node_4PC	BASE	10yr-12hr-10%	2.00	1.12	0.00	0.0045	29772	2.00	52.03	2.00	52.02
Node_5PC	BASE	10yr-12hr-10%	1.52	1.69	0.45	0.0050	38679	1.50	40.39	1.52	40.23
Node_6PC	BASE	10yr-12hr-10%	2.94	1.46	0.00	-0.0046	75334	2.75	138.53	2.94	138.29
Node_7	BASE	10yr-12hr-10%	23.99	-0.08	0.00	0.0000	2	2.26	54.30	0.00	0.00
Node_7PC	BASE	10yr-12hr-10%	2.26	1.13	0.00	0.0040	29965	2.25	54.41	2.26	54.30
Node-1	BASE	10yr-12hr-90%	23.99	-0.08	0.00	-0.1000	5	11.99	14.80	0.00	0.00
Node-2	BASE	10yr-12hr-90%	23.99	-0.08	0.00	-0.1000	5	11.99	42.11	0.00	0.00
Node-5	BASE	10yr-12hr-90%	23.99	-0.08	0.00	0.0000	4	11.99	36.40	0.00	0.00
Node-6	BASE	10yr-12hr-90%	23.99	-0.08	0.00	0.0000	5	11.99	116.18	0.00	0.00
Node_1PC	BASE	10yr-12hr-90%	11.99	1.38	0.45	-0.0031	33843	11.99	17.58	11.99	14.80
Node_2PC	BASE	10yr-12hr-90%	11.99	1.99	0.00	0.0050	86835	11.99	47.36	11.99	42.11
Node_4	BASE	10yr-12hr-90%	23.99	-0.08	0.00	-0.1000	3	11.99	52.69	0.00	0.00
Node_4PC	BASE	10yr-12hr-90%	11.99	1.12	0.00	0.0050	29829	11.99	53.59	11.99	52.69
Node_5PC	BASE	10yr-12hr-90%	11.99	1.67	0.45	0.0047	38348	11.99	37.06	11.99	36.40
Node_6PC	BASE	10yr-12hr-90%	11.99	1.39	0.00	0.0050	73807	11.99	120.71	11.99	116.18
Node_7	BASE	10yr-12hr-90%	23.99	-0.08	0.00	0.0000	3	11.99	57.33	0.00	0.00
Node_7PC	BASE	10yr-12hr-90%	11.99	1.15	0.00	0.0050	30214	11.99	58.49	11.99	57.33
Node-1	BASE	10yr-1hr-10%	2.00	-0.10	0.00	-0.1000	16	1.00	5.51	0.00	0.00
Node-2	BASE	10yr-1hr-10%	2.00	-0.10	0.00	-0.1000	10	0.00	2.91	0.00	0.00
Node-5	BASE	10yr-1hr-10%	2.00	-0.10	0.00	0.0000	9	1.00	15.49	0.00	0.00
Node-6	BASE	10yr-1hr-10%	2.00	-0.10	0.00	0.0000	10	0.00	8.88	0.00	0.00
Node_1PC	BASE	10yr-1hr-10%	1.00	0.74	0.45	-0.0030	22526	0.83	8.97	1.00	5.51
Node_2PC	BASE	10yr-1hr-10%	0.00	0.75	0.00	-0.0017	37039	1.00	5.56	0.00	2.91
Node_4	BASE	10yr-1hr-10%	2.00	-0.10	0.00	-0.1000	9	1.00	16.56	0.00	0.00
Node_4PC	BASE	10yr-1hr-10%	1.00	0.86	0.00	-0.0042	24860	1.00	18.93	1.00	16.56
Node_5PC	BASE	10yr-1hr-10%	1.00	1.51	0.45	0.0050	35801	0.83	22.77	1.00	15.49
Node_6PC	BASE	10yr-1hr-10%	0.00	0.75	0.00	-0.0046	37039	1.00	9.52	0.00	8.88
Node_7	BASE	10yr-1hr-10%	2.00	-0.10	0.00	0.0000	8	1.00	2.09	0.00	0.00
Node_7PC	BASE	10yr-1hr-10%	1.00	0.56	0.00	0.0030	18653	1.00	10.46	1.00	2.09
Node-1	BASE	10yr-1hr-90%	2.01	-0.10	0.00	-0.1000	11	1.00	0.43	0.00	0.00
Node-2	BASE	10yr-1hr-90%	2.01	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	10yr-1hr-90%	2.01	-0.10	0.00	0.0000	7	1.00	0.73	0.00	0.00
Node-6	BASE	10yr-1hr-90%	2.01	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	10yr-1hr-90%	1.00	0.17	0.45	0.0031	14607	1.00	8.36	1.00	0.43
Node_2PC	BASE	10yr-1hr-90%	0.00	0.75	0.00	-0.0028	37039	1.00	0.55	0.00	2.91
Node_4	BASE	10yr-1hr-90%	2.01	-0.10	0.00	-0.1000	4	1.00	0.06	0.00	0.00
Node_4PC	BASE	10yr-1hr-90%	1.00	0.08	0.00	0.0018	13812	1.00	4.55	1.00	0.06
Node_5PC	BASE	10yr-1hr-90%	1.00	0.34	0.45	0.0050	15998	1.00	14.18	1.00	0.73
Node_6PC	BASE	10yr-1hr-90%	0.00	0.75	0.00	-0.0046	37039	1.00	0.98	0.00	8.88
Node_7	BASE	10yr-1hr-90%	2.01	-0.10	0.00	0.0000	1	1.00	0.00	0.00	0.00
Node_7PC	BASE	10yr-1hr-90%	1.00	0.02	0.00	0.0005	13261	1.00	1.37	1.00	0.00
Node-1	BASE	10yr-24hr-10%	47.99	-0.05	0.00	-0.1000	7	2.40	13.36	0.00	0.00
Node-2	BASE	10yr-24hr-10%	47.99	-0.05	0.00	-0.1000	3	3.23	45.76	0.00	0.00

Node-5	BASE	10yr-24hr-10%	47.99	-0.05	0.00	0.0000	4	1.76	34.84	0.00	0.00
Node-6	BASE	10yr-24hr-10%	47.99	-0.05	0.00	0.0000	3	3.41	133.07	0.00	0.00
Node_1PC	BASE	10yr-24hr-10%	2.40	1.33	0.45	-0.0040	33126	1.75	14.97	2.40	13.36
Node_2PC	BASE	10yr-24hr-10%	3.23	2.01	0.00	0.0042	87393	3.00	46.30	3.23	45.76
Node_4	BASE	10yr-24hr-10%	47.99	-0.05	0.00	-0.1000	3	2.27	46.39	0.00	0.00
Node_4PC	BASE	10yr-24hr-10%	2.27	1.09	0.00	0.0041	29272	2.25	46.47	2.27	46.39
Node_5PC	BASE	10yr-24hr-10%	1.76	1.66	0.45	0.0050	38206	1.75	34.90	1.76	34.84
Node_6PC	BASE	10yr-24hr-10%	3.41	1.44	0.00	-0.0046	74988	3.26	133.21	3.41	133.07
Node_7	BASE	10yr-24hr-10%	47.99	-0.05	0.00	0.0000	3	2.62	49.56	0.00	0.00
Node_7PC	BASE	10yr-24hr-10%	2.62	1.11	0.00	0.0038	29558	2.50	49.61	2.62	49.56
Node-1	BASE	10yr-24hr-90%	48.00	-0.05	0.00	-0.1000	7	23.99	17.99	0.00	0.00
Node-2	BASE	10yr-24hr-90%	48.00	-0.05	0.00	-0.1000	4	23.99	54.97	0.00	0.00
Node-5	BASE	10yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	23.99	39.75	0.00	0.00
Node-6	BASE	10yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	23.99	150.44	0.00	0.00
Node_1PC	BASE	10yr-24hr-90%	23.99	1.44	0.45	0.0037	34834	23.99	19.19	23.99	17.99
Node_2PC	BASE	10yr-24hr-90%	23.99	2.07	0.00	0.0048	88664	23.99	58.54	23.99	54.97
Node_4	BASE	10yr-24hr-90%	48.00	-0.05	0.00	-0.1000	3	23.99	60.66	0.00	0.00
Node_4PC	BASE	10yr-24hr-90%	23.99	1.16	0.00	0.0045	30479	23.99	61.55	23.99	60.66
Node_5PC	BASE	10yr-24hr-90%	23.99	1.69	0.45	0.0034	38639	23.99	40.47	23.99	39.75
Node_6PC	BASE	10yr-24hr-90%	23.99	1.49	0.00	0.0050	76110	23.99	154.21	23.99	150.44
Node_7	BASE	10yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	23.99	69.64	0.00	0.00
Node_7PC	BASE	10yr-24hr-90%	23.99	1.21	0.00	0.0049	31150	23.99	70.72	23.99	69.64
Node-1	BASE	10yr-6hr-10%	12.00	-0.09	0.00	-0.1000	6	1.62	15.75	0.00	0.00
Node-2	BASE	10yr-6hr-10%	12.00	-0.09	0.00	-0.1000	7	2.41	41.25	0.00	0.00
Node-5	BASE	10yr-6hr-10%	12.00	-0.09	0.00	0.0000	5	1.28	45.09	0.00	0.00
Node-6	BASE	10yr-6hr-10%	12.00	-0.09	0.00	0.0000	6	2.40	122.50	0.00	0.00
Node_1PC	BASE	10yr-6hr-10%	1.62	1.40	0.45	-0.0043	34191	1.17	19.77	1.62	15.75
Node_2PC	BASE	10yr-6hr-10%	2.41	1.98	0.00	0.0040	86700	2.00	45.65	2.41	41.25
Node_4	BASE	10yr-6hr-10%	12.00	-0.09	0.00	-0.1000	4	1.55	54.20	0.00	0.00
Node_4PC	BASE	10yr-6hr-10%	1.55	1.13	0.00	0.0041	29956	1.50	54.54	1.55	54.20
Node_5PC	BASE	10yr-6hr-10%	1.28	1.71	0.45	0.0050	39068	1.17	45.49	1.28	45.09
Node_6PC	BASE	10yr-6hr-10%	2.40	1.41	0.00	-0.0046	74260	2.33	123.35	2.40	122.50
Node_7	BASE	10yr-6hr-10%	12.00	-0.09	0.00	0.0000	4	1.83	52.69	0.00	0.00
Node_7PC	BASE	10yr-6hr-10%	1.83	1.12	0.00	0.0037	29829	1.67	52.75	1.83	52.69
Node-1	BASE	10yr-6hr-90%	12.00	-0.09	0.00	-0.1000	8	6.00	13.40	0.00	0.00
Node-2	BASE	10yr-6hr-90%	12.00	-0.09	0.00	-0.1000	8	6.00	12.08	0.00	0.00
Node-5	BASE	10yr-6hr-90%	12.00	-0.09	0.00	0.0000	6	6.00	37.14	0.00	0.00
Node-6	BASE	10yr-6hr-90%	12.00	-0.09	0.00	0.0000	6	6.00	80.81	0.00	0.00
Node_1PC	BASE	10yr-6hr-90%	6.00	1.34	0.45	-0.0031	33155	6.00	17.15	6.00	13.40
Node_2PC	BASE	10yr-6hr-90%	6.00	1.61	0.00	0.0042	78661	6.00	37.92	6.00	12.08
Node_4	BASE	10yr-6hr-90%	12.00	-0.09	0.00	-0.1000	5	6.00	49.75	0.00	0.00
Node_4PC	BASE	10yr-6hr-90%	6.00	1.11	0.00	0.0050	29575	6.00	50.90	6.00	49.75
Node_5PC	BASE	10yr-6hr-90%	6.00	1.67	0.45	0.0050	38414	6.00	37.71	6.00	37.14
Node_6PC	BASE	10yr-6hr-90%	6.00	1.26	0.00	-0.0046	70940	6.00	88.00	6.00	80.81
Node_7	BASE	10yr-6hr-90%	12.00	-0.09	0.00	0.0000	5	6.00	49.05	0.00	0.00
Node_7PC	BASE	10yr-6hr-90%	6.00	1.10	0.00	0.0050	29513	6.00	50.71	6.00	49.05
Node-1	BASE	25yr-12hr-10%	24.01	-0.08	0.00	-0.1000	5	1.59	23.65	0.00	0.00
Node-2	BASE	25yr-12hr-10%	24.01	-0.08	0.00	-0.1000	4	2.57	72.97	0.00	0.00
Node-5	BASE	25yr-12hr-10%	24.01	-0.08	0.00	0.0000	3	1.42	55.15	0.00	0.00
Node-6	BASE	25yr-12hr-10%	24.01	-0.08	0.00	0.0000	4	2.80	206.10	0.00	0.00

Node_1PC	BASE	25yr-12hr-10%	1.59	1.52	0.45	-0.0050	35961	1.25	24.56	1.59	23.65
Node_2PC	BASE	25yr-12hr-10%	2.57	2.17	0.00	0.0049	90755	2.49	73.65	2.57	72.97
Node_4	BASE	25yr-12hr-10%	24.01	-0.08	0.00	-0.1000	2	1.79	75.30	0.00	0.00
Node_4PC	BASE	25yr-12hr-10%	1.79	1.23	0.00	0.0042	31546	1.75	75.56	1.79	75.30
Node_5PC	BASE	25yr-12hr-10%	1.42	1.76	0.45	0.0050	39788	1.25	55.26	1.42	55.15
Node_6PC	BASE	25yr-12hr-10%	2.80	1.64	0.00	-0.0046	79253	2.75	206.72	2.80	206.10
Node_7	BASE	25yr-12hr-10%	24.01	-0.08	0.00	0.0000	2	2.06	81.81	0.00	0.00
Node_7PC	BASE	25yr-12hr-10%	2.06	1.26	0.00	0.0039	31981	2.00	82.04	2.06	81.81
Node-1	BASE	25yr-12hr-90%	23.99	-0.08	0.00	-0.1000	5	12.00	22.41	0.00	0.00
Node-2	BASE	25yr-12hr-90%	23.99	-0.08	0.00	-0.1000	5	12.00	63.80	0.00	0.00
Node-5	BASE	25yr-12hr-90%	23.99	-0.08	0.00	0.0000	4	12.00	47.75	0.00	0.00
Node-6	BASE	25yr-12hr-90%	23.99	-0.08	0.00	0.0000	5	12.00	170.59	0.00	0.00
Node_1PC	BASE	25yr-12hr-90%	12.00	1.50	0.45	-0.0031	35750	12.00	23.28	12.00	22.41
Node_2PC	BASE	25yr-12hr-90%	12.00	2.12	0.00	0.0050	89741	12.00	68.20	12.00	63.80
Node_4	BASE	25yr-12hr-90%	23.99	-0.08	0.00	-0.1000	3	12.00	72.33	0.00	0.00
Node_4PC	BASE	25yr-12hr-90%	12.00	1.22	0.00	0.0050	31340	12.00	73.28	12.00	72.33
Node_5PC	BASE	25yr-12hr-90%	12.00	1.73	0.45	0.0050	39268	12.00	48.43	12.00	47.75
Node_6PC	BASE	25yr-12hr-90%	12.00	1.55	0.00	0.0050	77319	12.00	175.45	12.00	170.59
Node_7	BASE	25yr-12hr-90%	23.99	-0.08	0.00	0.0000	3	12.00	82.44	0.00	0.00
Node_7PC	BASE	25yr-12hr-90%	12.00	1.26	0.00	0.0050	32021	12.00	83.68	12.00	82.44
Node-1	BASE	25yr-1hr-10%	2.00	-0.10	0.00	-0.1000	17	1.00	7.51	0.00	0.00
Node-2	BASE	25yr-1hr-10%	2.00	-0.10	0.00	-0.1000	10	0.00	2.91	0.00	0.00
Node-5	BASE	25yr-1hr-10%	2.00	-0.10	0.00	0.0000	9	0.99	26.41	0.00	0.00
Node-6	BASE	25yr-1hr-10%	2.00	-0.10	0.00	0.0000	10	0.00	8.88	0.00	0.00
Node_1PC	BASE	25yr-1hr-10%	1.00	0.91	0.45	-0.0030	26043	0.75	11.87	1.00	7.51
Node_2PC	BASE	25yr-1hr-10%	0.00	0.75	0.00	0.0018	37039	1.00	9.48	0.00	2.91
Node_4	BASE	25yr-1hr-10%	2.00	-0.10	0.00	-0.1000	9	1.00	25.58	0.00	0.00
Node_4PC	BASE	25yr-1hr-10%	1.00	0.94	0.00	-0.0048	26694	1.00	26.86	1.00	25.58
Node_5PC	BASE	25yr-1hr-10%	0.99	1.60	0.45	0.0050	37345	0.75	29.69	0.99	26.41
Node_6PC	BASE	25yr-1hr-10%	0.00	0.75	0.00	-0.0046	37039	1.00	16.34	0.00	8.88
Node_7	BASE	25yr-1hr-10%	2.00	-0.10	0.00	0.0000	9	1.00	11.41	0.00	0.00
Node_7PC	BASE	25yr-1hr-10%	1.00	0.79	0.00	0.0030	23496	1.00	17.47	1.00	11.41
Node-1	BASE	25yr-1hr-90%	2.00	-0.10	0.00	-0.1000	12	1.00	0.91	0.00	0.00
Node-2	BASE	25yr-1hr-90%	2.00	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	25yr-1hr-90%	2.00	-0.10	0.00	0.0000	8	1.00	1.35	0.00	0.00
Node-6	BASE	25yr-1hr-90%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	25yr-1hr-90%	1.00	0.26	0.45	0.0032	15356	1.00	12.07	1.00	0.91
Node_2PC	BASE	25yr-1hr-90%	0.00	0.75	0.00	-0.0028	37039	1.00	0.99	0.00	2.91
Node_4	BASE	25yr-1hr-90%	2.00	-0.10	0.00	-0.1000	5	1.00	0.15	0.00	0.00
Node_4PC	BASE	25yr-1hr-90%	1.00	0.15	0.00	0.0022	14346	1.00	7.53	1.00	0.15
Node_5PC	BASE	25yr-1hr-90%	1.00	0.47	0.45	0.0050	17177	1.00	19.85	1.00	1.35
Node_6PC	BASE	25yr-1hr-90%	0.00	0.75	0.00	-0.0046	37039	1.00	1.71	0.00	8.88
Node_7	BASE	25yr-1hr-90%	2.00	-0.10	0.00	0.0000	3	1.00	0.02	0.00	0.00
Node_7PC	BASE	25yr-1hr-90%	1.00	0.04	0.00	0.0008	13458	1.00	2.55	1.00	0.02
Node-1	BASE	25yr-24hr-10%	48.00	-0.05	0.00	-0.1000	7	1.82	21.03	0.00	0.00
Node-2	BASE	25yr-24hr-10%	48.00	-0.05	0.00	-0.1000	3	2.98	69.90	0.00	0.00
Node-5	BASE	25yr-24hr-10%	48.00	-0.05	0.00	0.0000	4	1.55	49.03	0.00	0.00
Node-6	BASE	25yr-24hr-10%	48.00	-0.05	0.00	0.0000	3	3.26	201.14	0.00	0.00
Node_1PC	BASE	25yr-24hr-10%	1.82	1.49	0.45	-0.0048	35496	1.50	21.73	1.82	21.03
Node_2PC	BASE	25yr-24hr-10%	2.98	2.15	0.00	0.0045	90426	2.75	70.25	2.98	69.90

Node_4	BASE	25yr-24hr-10%	48.00	-0.05	0.00	-0.1000	3	2.05	68.43	0.00	0.00
Node_4PC	BASE	25yr-24hr-10%	2.05	1.20	0.00	0.0037	31063	2.00	68.55	2.05	68.43
Node_5PC	BASE	25yr-24hr-10%	1.55	1.73	0.45	-0.0050	39362	1.50	49.15	1.55	49.03
Node_6PC	BASE	25yr-24hr-10%	3.26	1.63	0.00	-0.0046	78996	3.25	201.31	3.26	201.14
Node_7	BASE	25yr-24hr-10%	48.00	-0.05	0.00	0.0000	3	2.50	76.17	0.00	0.00
Node_7PC	BASE	25yr-24hr-10%	2.50	1.24	0.00	0.0036	31606	2.49	76.19	2.50	76.17
Node-1	BASE	25yr-24hr-90%	48.00	-0.05	0.00	-0.1000	7	24.00	24.99	0.00	0.00
Node-2	BASE	25yr-24hr-90%	48.00	-0.05	0.00	-0.1000	4	24.00	80.12	0.00	0.00
Node-5	BASE	25yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	24.00	52.82	0.00	0.00
Node-6	BASE	25yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	24.00	217.87	0.00	0.00
Node_1PC	BASE	25yr-24hr-90%	24.00	1.53	0.45	0.0037	36176	24.00	25.70	24.00	24.99
Node_2PC	BASE	25yr-24hr-90%	24.00	2.20	0.00	0.0050	91484	24.00	83.78	24.00	80.12
Node_4	BASE	25yr-24hr-90%	48.00	-0.05	0.00	-0.1000	3	24.00	83.59	0.00	0.00
Node_4PC	BASE	25yr-24hr-90%	24.00	1.27	0.00	-0.0042	32095	24.00	84.56	24.00	83.59
Node_5PC	BASE	25yr-24hr-90%	24.00	1.75	0.45	0.0038	39629	24.00	53.58	24.00	52.82
Node_6PC	BASE	25yr-24hr-90%	24.00	1.67	0.00	0.0050	79850	24.00	222.01	24.00	217.87
Node_7	BASE	25yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	24.00	99.67	0.00	0.00
Node_7PC	BASE	25yr-24hr-90%	24.00	1.33	0.00	-0.0049	33071	24.00	100.86	24.00	99.67
Node-1	BASE	25yr-6hr-10%	12.00	-0.09	0.00	-0.1000	6	1.37	25.20	0.00	0.00
Node-2	BASE	25yr-6hr-10%	12.00	-0.09	0.00	-0.1000	7	2.21	65.82	0.00	0.00
Node-5	BASE	25yr-6hr-10%	12.00	-0.09	0.00	0.0000	5	1.21	61.09	0.00	0.00
Node-6	BASE	25yr-6hr-10%	12.00	-0.09	0.00	0.0000	6	2.36	182.38	0.00	0.00
Node_1PC	BASE	25yr-6hr-10%	1.37	1.53	0.45	-0.0050	36207	1.17	27.20	1.37	25.20
Node_2PC	BASE	25yr-6hr-10%	2.21	2.13	0.00	0.0042	89975	2.00	68.25	2.21	65.82
Node_4	BASE	25yr-6hr-10%	12.00	-0.09	0.00	-0.1000	4	1.52	77.46	0.00	0.00
Node_4PC	BASE	25yr-6hr-10%	1.52	1.24	0.00	0.0036	31693	1.50	77.78	1.52	77.46
Node_5PC	BASE	25yr-6hr-10%	1.21	1.78	0.45	0.0050	40171	1.17	61.53	1.21	61.09
Node_6PC	BASE	25yr-6hr-10%	2.36	1.58	0.00	-0.0046	77986	2.33	183.04	2.36	182.38
Node_7	BASE	25yr-6hr-10%	12.00	-0.09	0.00	0.0000	4	1.71	79.43	0.00	0.00
Node_7PC	BASE	25yr-6hr-10%	1.71	1.25	0.00	0.0034	31824	1.67	79.83	1.71	79.43
Node-1	BASE	25yr-6hr-90%	12.00	-0.09	0.00	-0.1000	8	6.00	21.73	0.00	0.00
Node-2	BASE	25yr-6hr-90%	12.00	-0.09	0.00	-0.1000	8	6.00	41.90	0.00	0.00
Node-5	BASE	25yr-6hr-90%	12.00	-0.09	0.00	0.0000	6	6.00	48.24	0.00	0.00
Node-6	BASE	25yr-6hr-90%	12.00	-0.09	0.00	0.0000	6	6.00	125.22	0.00	0.00
Node_1PC	BASE	25yr-6hr-90%	6.00	1.49	0.45	-0.0031	35627	6.00	22.55	6.00	21.73
Node_2PC	BASE	25yr-6hr-90%	6.00	1.98	0.00	0.0045	86802	6.00	56.11	6.00	41.90
Node_4	BASE	25yr-6hr-90%	12.00	-0.09	0.00	-0.1000	5	6.00	68.54	0.00	0.00
Node_4PC	BASE	25yr-6hr-90%	6.00	1.20	0.00	0.0050	31071	6.00	69.73	6.00	68.54
Node_5PC	BASE	25yr-6hr-90%	6.00	1.73	0.45	0.0050	39304	6.00	48.78	6.00	48.24
Node_6PC	BASE	25yr-6hr-90%	6.00	1.42	0.00	-0.0046	74451	6.00	132.85	6.00	125.22
Node_7	BASE	25yr-6hr-90%	12.00	-0.09	0.00	0.0000	5	6.00	72.01	0.00	0.00
Node_7PC	BASE	25yr-6hr-90%	6.00	1.22	0.00	0.0050	31318	6.00	73.75	6.00	72.01
Node-1	BASE	2yr-12hr-10%	24.00	-0.08	0.00	-0.1000	5	2.28	6.23	0.00	0.00
Node-2	BASE	2yr-12hr-10%	24.00	-0.08	0.00	-0.1000	4	4.00	10.57	0.00	0.00
Node-5	BASE	2yr-12hr-10%	24.00	-0.08	0.00	0.0000	3	1.94	17.32	0.00	0.00
Node-6	BASE	2yr-12hr-10%	24.00	-0.08	0.00	0.0000	4	3.27	47.33	0.00	0.00
Node_1PC	BASE	2yr-12hr-10%	2.28	0.81	0.45	-0.0036	23827	1.75	7.25	2.28	6.23
Node_2PC	BASE	2yr-12hr-10%	4.00	1.55	0.00	0.0030	77401	2.75	16.69	4.00	10.57
Node_4	BASE	2yr-12hr-10%	24.00	-0.08	0.00	-0.1000	2	2.26	19.88	0.00	0.00
Node_4PC	BASE	2yr-12hr-10%	2.26	0.89	0.00	0.0046	25596	2.25	19.91	2.26	19.88

Node_5PC	BASE	2yr-12hr-10%	1.94	1.53	0.45	0.0050	36117	1.75	17.98	1.94	17.32
Node_6PC	BASE	2yr-12hr-10%	3.27	1.09	0.00	-0.0046	67390	3.25	47.47	3.27	47.33
Node_7	BASE	2yr-12hr-10%	24.00	-0.08	0.00	0.0000	2	2.55	17.78	0.00	0.00
Node_7PC	BASE	2yr-12hr-10%	2.55	0.87	0.00	0.0040	25139	2.50	17.89	2.55	17.78
Node-1	BASE	2yr-12hr-90%	24.00	-0.08	0.00	-0.1000	5	12.00	6.74	0.00	0.00
Node-2	BASE	2yr-12hr-90%	24.00	-0.08	0.00	-0.1000	5	12.00	5.92	0.00	0.00
Node-5	BASE	2yr-12hr-90%	24.00	-0.08	0.00	0.0000	4	12.00	18.23	0.00	0.00
Node-6	BASE	2yr-12hr-90%	24.00	-0.08	0.00	0.0000	5	12.00	38.50	0.00	0.00
Node_1PC	BASE	2yr-12hr-90%	12.00	0.85	0.45	-0.0030	24714	12.00	8.55	12.00	6.74
Node_2PC	BASE	2yr-12hr-90%	12.00	1.13	0.00	0.0047	68197	12.00	17.20	12.00	5.92
Node_4	BASE	2yr-12hr-90%	24.00	-0.08	0.00	-0.1000	3	12.00	22.65	0.00	0.00
Node_4PC	BASE	2yr-12hr-90%	12.00	0.92	0.00	0.0050	26151	12.00	23.41	12.00	22.65
Node_5PC	BASE	2yr-12hr-90%	12.00	1.53	0.45	0.0050	36262	12.00	18.93	12.00	18.23
Node_6PC	BASE	2yr-12hr-90%	12.00	1.04	0.00	0.0050	66202	12.00	42.37	12.00	38.50
Node_7	BASE	2yr-12hr-90%	24.00	-0.08	0.00	0.0000	3	12.00	20.77	0.00	0.00
Node_7PC	BASE	2yr-12hr-90%	12.00	0.90	0.00	0.0050	25780	12.00	21.74	12.00	20.77
Node-1	BASE	2yr-1hr-10%	2.00	-0.10	0.00	-0.1000	14	1.00	2.02	0.00	0.00
Node-2	BASE	2yr-1hr-10%	2.00	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	2yr-1hr-10%	2.00	-0.10	0.00	0.0000	10	1.00	3.95	0.00	0.00
Node-6	BASE	2yr-1hr-10%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	2yr-1hr-10%	1.00	0.40	0.45	0.0021	16574	0.83	4.19	1.00	2.02
Node_2PC	BASE	2yr-1hr-10%	0.00	0.75	0.00	-0.0020	37039	1.00	0.90	0.00	2.91
Node_4	BASE	2yr-1hr-10%	2.00	-0.10	0.00	-0.1000	7	1.00	1.11	0.00	0.00
Node_4PC	BASE	2yr-1hr-10%	1.00	0.42	0.00	0.0033	16763	1.00	6.71	1.00	1.11
Node_5PC	BASE	2yr-1hr-10%	1.00	0.94	0.45	0.0050	26679	0.91	11.45	1.00	3.95
Node_6PC	BASE	2yr-1hr-10%	0.00	0.75	0.00	-0.0046	37039	1.00	1.58	0.00	8.88
Node_7	BASE	2yr-1hr-10%	2.00	-0.10	0.00	0.0000	4	1.00	0.05	0.00	0.00
Node_7PC	BASE	2yr-1hr-10%	1.00	0.07	0.00	0.0012	13718	1.00	1.68	1.00	0.05
Node-1	BASE	2yr-1hr-90%	2.00	-0.10	0.00	-0.1000	8	1.00	0.05	0.00	0.00
Node-2	BASE	2yr-1hr-90%	2.00	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	2yr-1hr-90%	2.00	-0.10	0.00	0.0000	6	1.00	0.12	0.00	0.00
Node-6	BASE	2yr-1hr-90%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	2yr-1hr-90%	1.00	0.05	0.45	0.0026	13553	1.00	2.94	1.00	0.05
Node_2PC	BASE	2yr-1hr-90%	0.00	0.75	0.00	-0.0028	37039	1.00	0.09	0.00	2.91
Node_4	BASE	2yr-1hr-90%	2.00	-0.10	0.00	-0.1000	1	1.00	0.00	0.00	0.00
Node_4PC	BASE	2yr-1hr-90%	1.00	0.02	0.00	0.0010	13225	1.00	1.07	1.00	0.00
Node_5PC	BASE	2yr-1hr-90%	1.00	0.13	0.45	0.0050	14186	1.00	5.62	1.00	0.12
Node_6PC	BASE	2yr-1hr-90%	0.00	0.75	0.00	-0.0046	37039	1.00	0.18	0.00	8.88
Node_7	BASE	2yr-1hr-90%	2.00	-0.10	0.00	0.0000	0	2.00	0.00	0.00	0.00
Node_7PC	BASE	2yr-1hr-90%	1.00	0.00	0.00	0.0002	13089	1.00	0.19	2.00	0.00
Node-1	BASE	2yr-24hr-10%	48.01	-0.05	0.00	-0.1000	7	2.74	5.40	0.00	0.00
Node-2	BASE	2yr-24hr-10%	48.01	-0.05	0.00	-0.1000	3	4.96	11.64	0.00	0.00
Node-5	BASE	2yr-24hr-10%	48.01	-0.05	0.00	0.0000	4	2.34	14.13	0.00	0.00
Node-6	BASE	2yr-24hr-10%	48.01	-0.05	0.00	0.0000	3	4.03	44.64	0.00	0.00
Node_1PC	BASE	2yr-24hr-10%	2.74	0.73	0.45	-0.0023	22335	2.00	5.95	2.74	5.40
Node_2PC	BASE	2yr-24hr-10%	4.96	1.60	0.00	-0.0037	78343	3.50	15.35	4.96	11.64
Node_4	BASE	2yr-24hr-10%	48.01	-0.05	0.00	-0.1000	3	2.63	16.86	0.00	0.00
Node_4PC	BASE	2yr-24hr-10%	2.63	0.86	0.00	0.0046	24931	2.50	16.96	2.63	16.86
Node_5PC	BASE	2yr-24hr-10%	2.34	1.49	0.45	0.0050	35541	2.00	14.71	2.34	14.13
Node_6PC	BASE	2yr-24hr-10%	4.03	1.08	0.00	-0.0046	67044	4.00	44.78	4.03	44.64

Node_7	BASE	2yr-24hr-10%	48.01	-0.05	0.00	0.0000	3	3.12	15.78	0.00	0.00
Node_7PC	BASE	2yr-24hr-10%	3.12	0.85	0.00	0.0041	24674	3.00	15.88	3.12	15.78
Node-1	BASE	2yr-24hr-90%	47.99	-0.05	0.00	-0.1000	7	24.00	7.55	0.00	0.00
Node-2	BASE	2yr-24hr-90%	47.99	-0.05	0.00	-0.1000	4	24.00	9.84	0.00	0.00
Node-5	BASE	2yr-24hr-90%	47.99	-0.05	0.00	0.0000	3	24.00	19.75	0.00	0.00
Node-6	BASE	2yr-24hr-90%	47.99	-0.05	0.00	0.0000	3	24.00	54.88	0.00	0.00
Node_1PC	BASE	2yr-24hr-90%	24.00	0.91	0.45	-0.0030	26110	24.00	9.27	24.00	7.55
Node_2PC	BASE	2yr-24hr-90%	24.00	1.51	0.00	0.0041	76502	24.00	22.44	24.00	9.84
Node_4	BASE	2yr-24hr-90%	47.99	-0.05	0.00	-0.1000	3	24.00	26.51	0.00	0.00
Node_4PC	BASE	2yr-24hr-90%	24.00	0.95	0.00	0.0050	26858	24.00	27.21	24.00	26.51
Node_5PC	BASE	2yr-24hr-90%	24.00	1.55	0.45	0.0037	36491	24.00	20.41	24.00	19.75
Node_6PC	BASE	2yr-24hr-90%	24.00	1.14	0.00	0.0050	68299	24.00	57.90	24.00	54.88
Node_7	BASE	2yr-24hr-90%	47.99	-0.05	0.00	0.0000	3	24.00	26.59	0.00	0.00
Node_7PC	BASE	2yr-24hr-90%	24.00	0.95	0.00	0.0050	26871	24.00	27.42	24.00	26.59
Node-1	BASE	2yr-6hr-10%	12.00	-0.09	0.00	-0.1000	6	1.79	6.39	0.00	0.00
Node-2	BASE	2yr-6hr-10%	12.00	-0.09	0.00	-0.1000	6	3.10	7.72	0.00	0.00
Node-5	BASE	2yr-6hr-10%	12.00	-0.09	0.00	0.0000	5	1.61	19.22	0.00	0.00
Node-6	BASE	2yr-6hr-10%	12.00	-0.09	0.00	0.0000	6	2.62	40.31	0.00	0.00
Node_1PC	BASE	2yr-6hr-10%	1.79	0.82	0.45	-0.0033	24118	1.33	8.46	1.79	6.39
Node_2PC	BASE	2yr-6hr-10%	3.10	1.32	0.00	0.0031	72266	2.17	15.03	3.10	7.72
Node_4	BASE	2yr-6hr-10%	12.00	-0.09	0.00	-0.1000	4	1.73	20.81	0.00	0.00
Node_4PC	BASE	2yr-6hr-10%	1.73	0.90	0.00	0.0043	25788	1.67	21.07	1.73	20.81
Node_5PC	BASE	2yr-6hr-10%	1.61	1.54	0.45	0.0050	36414	1.33	21.09	1.61	19.22
Node_6PC	BASE	2yr-6hr-10%	2.62	1.05	0.00	-0.0046	66459	2.50	41.01	2.62	40.31
Node_7	BASE	2yr-6hr-10%	12.00	-0.09	0.00	0.0000	4	2.01	16.69	0.00	0.00
Node_7PC	BASE	2yr-6hr-10%	2.01	0.86	0.00	0.0037	24889	2.00	16.78	2.01	16.69
Node-1	BASE	2yr-6hr-90%	12.01	-0.09	0.00	-0.1000	8	6.00	6.24	0.00	0.00
Node-2	BASE	2yr-6hr-90%	12.01	-0.09	0.00	-0.1000	6	0.00	2.91	0.00	0.00
Node-5	BASE	2yr-6hr-90%	12.01	-0.09	0.00	0.0000	6	6.00	18.47	0.00	0.00
Node-6	BASE	2yr-6hr-90%	12.01	-0.09	0.00	0.0000	6	6.00	19.40	0.00	0.00
Node_1PC	BASE	2yr-6hr-90%	6.00	0.81	0.45	-0.0030	23846	6.00	8.36	6.00	6.24
Node_2PC	BASE	2yr-6hr-90%	0.00	0.75	0.00	0.0032	37039	6.00	11.92	0.00	2.91
Node_4	BASE	2yr-6hr-90%	12.01	-0.09	0.00	-0.1000	5	6.00	20.47	0.00	0.00
Node_4PC	BASE	2yr-6hr-90%	6.00	0.90	0.00	0.0050	25718	6.00	21.54	6.00	20.47
Node_5PC	BASE	2yr-6hr-90%	6.00	1.54	0.45	0.0050	36301	6.00	19.40	6.00	18.47
Node_6PC	BASE	2yr-6hr-90%	6.00	0.89	0.00	-0.0046	52373	6.00	25.67	6.00	19.40
Node_7	BASE	2yr-6hr-90%	12.01	-0.09	0.00	0.0000	5	6.00	15.41	0.00	0.00
Node_7PC	BASE	2yr-6hr-90%	6.00	0.84	0.00	0.0050	24583	6.00	17.04	6.00	15.41
Node-1	BASE	50-12hr-10%	23.99	-0.08	0.00	-0.1000	5	1.43	30.09	0.00	0.00
Node-2	BASE	50-12hr-10%	23.99	-0.08	0.00	-0.1000	4	2.52	94.44	0.00	0.00
Node-5	BASE	50-12hr-10%	23.99	-0.08	0.00	0.0000	3	1.32	68.09	0.00	0.00
Node-6	BASE	50-12hr-10%	23.99	-0.08	0.00	0.0000	4	2.76	265.34	0.00	0.00
Node_1PC	BASE	50-12hr-10%	1.43	1.57	0.45	-0.0050	36881	1.25	30.74	1.43	30.09
Node_2PC	BASE	50-12hr-10%	2.52	2.26	0.00	0.0046	92821	2.49	94.68	2.52	94.44
Node_4	BASE	50-12hr-10%	23.99	-0.08	0.00	-0.1000	2	1.77	95.43	0.00	0.00
Node_4PC	BASE	50-12hr-10%	1.77	1.31	0.00	0.0041	32824	1.75	95.68	1.77	95.43
Node_5PC	BASE	50-12hr-10%	1.32	1.81	0.45	0.0050	40593	1.25	68.41	1.32	68.09
Node_6PC	BASE	50-12hr-10%	2.76	1.77	0.00	-0.0046	82074	2.75	265.82	2.76	265.34
Node_7	BASE	50-12hr-10%	23.99	-0.08	0.00	0.0000	2	2.02	106.48	0.00	0.00
Node_7PC	BASE	50-12hr-10%	2.02	1.35	0.00	-0.0035	33456	2.00	106.74	2.02	106.48

Node-1	BASE	50-12hr-90%	24.01	-0.08	0.00	-0.1000	5	11.99	27.19	0.00	0.00
Node-2	BASE	50-12hr-90%	24.01	-0.08	0.00	-0.1000	5	11.99	81.30	0.00	0.00
Node-5	BASE	50-12hr-90%	24.01	-0.08	0.00	0.0000	4	11.99	57.02	0.00	0.00
Node-6	BASE	50-12hr-90%	24.01	-0.08	0.00	0.0000	5	11.99	216.61	0.00	0.00
Node_1PC	BASE	50-12hr-90%	11.99	1.55	0.45	0.0031	36497	11.99	27.96	11.99	27.19
Node_2PC	BASE	50-12hr-90%	11.99	2.21	0.00	0.0047	91600	11.99	85.75	11.99	81.30
Node_4	BASE	50-12hr-90%	24.01	-0.08	0.00	-0.1000	3	11.99	88.53	0.00	0.00
Node_4PC	BASE	50-12hr-90%	11.99	1.29	0.00	0.0050	32406	11.99	89.53	11.99	88.53
Node_5PC	BASE	50-12hr-90%	11.99	1.77	0.45	0.0050	39911	11.99	57.72	11.99	57.02
Node_6PC	BASE	50-12hr-90%	11.99	1.66	0.00	0.0050	79786	11.99	221.76	11.99	216.61
Node_7	BASE	50-12hr-90%	24.01	-0.08	0.00	0.0000	3	11.99	103.53	0.00	0.00
Node_7PC	BASE	50-12hr-90%	11.99	1.34	0.00	0.0048	33291	11.99	104.84	11.99	103.53
Node-1	BASE	50-1hr-10%	2.00	-0.10	0.00	-0.1000	17	1.00	9.07	0.00	0.00
Node-2	BASE	50-1hr-10%	2.00	-0.10	0.00	-0.1000	11	1.00	3.38	0.00	0.00
Node-5	BASE	50-1hr-10%	2.00	-0.10	0.00	0.0000	9	0.93	32.73	0.00	0.00
Node-6	BASE	50-1hr-10%	2.00	-0.10	0.00	0.0000	10	1.00	13.44	0.00	0.00
Node_1PC	BASE	50-1hr-10%	1.00	1.03	0.45	-0.0030	28415	0.67	14.31	1.00	9.07
Node_2PC	BASE	50-1hr-10%	1.00	0.82	0.00	0.0027	44840	1.00	12.98	1.00	3.38
Node_4	BASE	50-1hr-10%	2.00	-0.10	0.00	-0.1000	9	1.00	32.37	0.00	0.00
Node_4PC	BASE	50-1hr-10%	1.00	1.00	0.00	-0.0046	27816	1.00	33.29	1.00	32.37
Node_5PC	BASE	50-1hr-10%	0.93	1.65	0.45	0.0050	38007	0.75	35.19	0.93	32.73
Node_6PC	BASE	50-1hr-10%	1.00	0.82	0.00	-0.0046	44672	1.00	22.46	1.00	13.44
Node_7	BASE	50-1hr-10%	2.00	-0.10	0.00	0.0000	9	1.00	19.43	0.00	0.00
Node_7PC	BASE	50-1hr-10%	1.00	0.89	0.00	-0.0031	25501	1.00	23.59	1.00	19.43
Node-1	BASE	50-1hr-90%	2.00	-0.10	0.00	-0.1000	13	1.00	1.43	0.00	0.00
Node-2	BASE	50-1hr-90%	2.00	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	50-1hr-90%	2.00	-0.10	0.00	0.0000	9	1.00	1.85	0.00	0.00
Node-6	BASE	50-1hr-90%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	50-1hr-90%	1.00	0.33	0.45	0.0035	15974	1.00	15.13	1.00	1.43
Node_2PC	BASE	50-1hr-90%	0.00	0.75	0.00	-0.0028	37039	1.00	1.41	0.00	2.91
Node_4	BASE	50-1hr-90%	2.00	-0.10	0.00	-0.1000	6	1.00	0.28	0.00	0.00
Node_4PC	BASE	50-1hr-90%	1.00	0.20	0.00	0.0027	14839	1.00	10.23	1.00	0.28
Node_5PC	BASE	50-1hr-90%	1.00	0.58	0.45	0.0050	19032	1.00	24.48	1.00	1.85
Node_6PC	BASE	50-1hr-90%	0.00	0.75	0.00	-0.0046	37039	1.00	2.39	0.00	8.88
Node_7	BASE	50-1hr-90%	2.00	-0.10	0.00	0.0000	4	1.00	0.04	0.00	0.00
Node_7PC	BASE	50-1hr-90%	1.00	0.07	0.00	0.0011	13656	1.00	3.69	1.00	0.04
Node-1	BASE	50-24hr-10%	48.01	-0.05	0.00	-0.1000	7	1.58	27.28	0.00	0.00
Node-2	BASE	50-24hr-10%	48.01	-0.05	0.00	-0.1000	3	2.81	91.72	0.00	0.00
Node-5	BASE	50-24hr-10%	48.01	-0.05	0.00	0.0000	4	1.51	61.55	0.00	0.00
Node-6	BASE	50-24hr-10%	48.01	-0.05	0.00	0.0000	3	3.07	262.36	0.00	0.00
Node_1PC	BASE	50-24hr-10%	1.58	1.55	0.45	-0.0050	36510	1.50	27.56	1.58	27.28
Node_2PC	BASE	50-24hr-10%	2.81	2.25	0.00	0.0042	92576	2.74	92.04	2.81	91.72
Node_4	BASE	50-24hr-10%	48.01	-0.05	0.00	-0.1000	3	2.01	88.22	0.00	0.00
Node_4PC	BASE	50-24hr-10%	2.01	1.29	0.00	0.0044	32387	2.00	88.30	2.01	88.22
Node_5PC	BASE	50-24hr-10%	1.51	1.79	0.45	0.0050	40200	1.50	61.60	1.51	61.55
Node_6PC	BASE	50-24hr-10%	3.07	1.76	0.00	-0.0046	81942	3.01	262.67	3.07	262.36
Node_7	BASE	50-24hr-10%	48.01	-0.05	0.00	0.0000	3	2.28	100.74	0.00	0.00
Node_7PC	BASE	50-24hr-10%	2.28	1.33	0.00	0.0032	33133	2.25	100.91	2.28	100.74
Node-1	BASE	50-24hr-90%	48.01	-0.05	0.00	-0.1000	7	23.99	30.50	0.00	0.00
Node-2	BASE	50-24hr-90%	48.01	-0.05	0.00	-0.1000	4	23.99	101.50	0.00	0.00

Node-5	BASE	50-24hr-90%	48.01	-0.05	0.00	0.0000	3	23.99	63.77	0.00	0.00
Node-6	BASE	50-24hr-90%	48.01	-0.05	0.00	0.0000	3	23.99	275.52	0.00	0.00
Node_1PC	BASE	50-24hr-90%	23.99	1.58	0.45	0.0037	36931	23.99	31.16	23.99	30.50
Node_2PC	BASE	50-24hr-90%	23.99	2.29	0.00	0.0050	93428	23.99	105.27	23.99	101.50
Node_4	BASE	50-24hr-90%	48.01	-0.05	0.00	-0.1000	3	23.99	102.87	0.00	0.00
Node_4PC	BASE	50-24hr-90%	23.99	1.34	0.00	-0.0041	33254	23.99	103.91	23.99	102.87
Node_5PC	BASE	50-24hr-90%	23.99	1.79	0.45	0.0036	40336	23.99	64.57	23.99	63.77
Node_6PC	BASE	50-24hr-90%	23.99	1.79	0.00	0.0050	82519	23.99	279.93	23.99	275.52
Node_7	BASE	50-24hr-90%	48.01	-0.05	0.00	0.0000	3	23.99	125.21	0.00	0.00
Node_7PC	BASE	50-24hr-90%	23.99	1.42	0.00	-0.0049	34442	23.99	126.50	23.99	125.21
Node-1	BASE	50-6hr-10%	12.00	-0.09	0.00	-0.1000	6	1.25	32.21	0.00	0.00
Node-2	BASE	50-6hr-10%	12.00	-0.09	0.00	-0.1000	7	2.12	85.68	0.00	0.00
Node-5	BASE	50-6hr-10%	12.00	-0.09	0.00	0.0000	5	1.19	74.11	0.00	0.00
Node-6	BASE	50-6hr-10%	12.00	-0.09	0.00	0.0000	6	2.34	233.41	0.00	0.00
Node_1PC	BASE	50-6hr-10%	1.25	1.59	0.45	-0.0050	37137	1.17	33.24	1.25	32.21
Node_2PC	BASE	50-6hr-10%	2.12	2.22	0.00	0.0048	92021	2.00	87.47	2.12	85.68
Node_4	BASE	50-6hr-10%	12.00	-0.09	0.00	-0.1000	4	1.51	96.85	0.00	0.00
Node_4PC	BASE	50-6hr-10%	1.51	1.32	0.00	0.0041	32907	1.50	97.04	1.51	96.85
Node_5PC	BASE	50-6hr-10%	1.19	1.83	0.45	0.0050	40932	1.17	74.51	1.19	74.11
Node_6PC	BASE	50-6hr-10%	2.34	1.70	0.00	-0.0046	80608	2.33	233.76	2.34	233.41
Node_7	BASE	50-6hr-10%	12.00	-0.09	0.00	0.0000	4	1.69	102.52	0.00	0.00
Node_7PC	BASE	50-6hr-10%	1.69	1.34	0.00	0.0037	33234	1.67	102.89	1.69	102.52
Node-1	BASE	50-6hr-90%	12.00	-0.09	0.00	-0.1000	8	5.99	26.38	0.00	0.00
Node-2	BASE	50-6hr-90%	12.00	-0.09	0.00	-0.1000	8	5.99	62.69	0.00	0.00
Node-5	BASE	50-6hr-90%	12.00	-0.09	0.00	0.0000	6	5.99	57.05	0.00	0.00
Node-6	BASE	50-6hr-90%	12.00	-0.09	0.00	0.0000	6	5.99	162.85	0.00	0.00
Node_1PC	BASE	50-6hr-90%	5.99	1.54	0.45	-0.0031	36382	5.99	26.85	5.99	26.38
Node_2PC	BASE	50-6hr-90%	5.99	2.11	0.00	0.0046	89612	5.99	71.33	5.99	62.69
Node_4	BASE	50-6hr-90%	12.00	-0.09	0.00	-0.1000	5	5.99	83.76	0.00	0.00
Node_4PC	BASE	50-6hr-90%	5.99	1.27	0.00	0.0050	32106	5.99	84.96	5.99	83.76
Node_5PC	BASE	50-6hr-90%	5.99	1.77	0.45	0.0050	39913	5.99	57.57	5.99	57.05
Node_6PC	BASE	50-6hr-90%	5.99	1.53	0.00	-0.0046	76866	5.99	170.75	5.99	162.85
Node_7	BASE	50-6hr-90%	12.00	-0.09	0.00	0.0000	5	5.99	91.09	0.00	0.00
Node_7PC	BASE	50-6hr-90%	5.99	1.30	0.00	0.0050	32564	5.99	92.87	5.99	91.09
Node-1	BASE	5yr-12hr-10%	24.00	-0.08	0.00	-0.1000	5	2.13	10.85	0.00	0.00
Node-2	BASE	5yr-12hr-10%	24.00	-0.08	0.00	-0.1000	4	3.11	31.12	0.00	0.00
Node-5	BASE	5yr-12hr-10%	24.00	-0.08	0.00	0.0000	3	1.59	29.88	0.00	0.00
Node-6	BASE	5yr-12hr-10%	24.00	-0.08	0.00	0.0000	4	3.03	94.91	0.00	0.00
Node_1PC	BASE	5yr-12hr-10%	2.13	1.15	0.45	-0.0050	30229	1.50	12.74	2.13	10.85
Node_2PC	BASE	5yr-12hr-10%	3.11	1.90	0.00	0.0035	84883	2.75	33.58	3.11	31.12
Node_4	BASE	5yr-12hr-10%	24.00	-0.08	0.00	-0.1000	2	2.03	36.96	0.00	0.00
Node_4PC	BASE	5yr-12hr-10%	2.03	1.03	0.00	0.0039	28341	2.00	37.10	2.03	36.96
Node_5PC	BASE	5yr-12hr-10%	1.59	1.63	0.45	0.0050	37721	1.50	30.15	1.59	29.88
Node_6PC	BASE	5yr-12hr-10%	3.03	1.31	0.00	-0.0046	72161	3.00	95.27	3.03	94.91
Node_7	BASE	5yr-12hr-10%	24.00	-0.08	0.00	0.0000	2	2.31	36.66	0.00	0.00
Node_7PC	BASE	5yr-12hr-10%	2.31	1.03	0.00	0.0036	28309	2.25	36.82	2.31	36.66
Node-1	BASE	5yr-12hr-90%	23.99	-0.08	0.00	-0.1000	5	12.00	10.95	0.00	0.00
Node-2	BASE	5yr-12hr-90%	23.99	-0.08	0.00	-0.1000	5	12.00	20.89	0.00	0.00
Node-5	BASE	5yr-12hr-90%	23.99	-0.08	0.00	0.0000	4	12.00	28.35	0.00	0.00
Node-6	BASE	5yr-12hr-90%	23.99	-0.08	0.00	0.0000	5	12.00	79.88	0.00	0.00

Node_1PC	BASE	5yr-12hr-90%	12.00	1.16	0.45	-0.0030	30335	12.00	13.55	12.00	10.95
Node_2PC	BASE	5yr-12hr-90%	12.00	1.78	0.00	0.0050	82408	12.00	33.35	12.00	20.89
Node_4	BASE	5yr-12hr-90%	23.99	-0.08	0.00	-0.1000	3	12.00	39.07	0.00	0.00
Node_4PC	BASE	5yr-12hr-90%	12.00	1.04	0.00	0.0050	28562	12.00	39.93	12.00	39.07
Node_5PC	BASE	5yr-12hr-90%	12.00	1.62	0.45	0.0044	37560	12.00	29.02	12.00	28.35
Node_6PC	BASE	5yr-12hr-90%	12.00	1.25	0.00	-0.0046	70856	12.00	84.14	12.00	79.88
Node_7	BASE	5yr-12hr-90%	23.99	-0.08	0.00	0.0000	3	12.00	40.37	0.00	0.00
Node_7PC	BASE	5yr-12hr-90%	12.00	1.05	0.00	0.0050	28694	12.00	41.47	12.00	40.37
Node-1	BASE	5yr-1hr-10%	2.00	-0.10	0.00	-0.1000	15	1.00	3.92	0.00	0.00
Node-2	BASE	5yr-1hr-10%	2.00	-0.10	0.00	-0.1000	10	0.00	2.91	0.00	0.00
Node-5	BASE	5yr-1hr-10%	2.00	-0.10	0.00	0.0000	10	1.00	6.31	0.00	0.00
Node-6	BASE	5yr-1hr-10%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	5yr-1hr-10%	1.00	0.60	0.45	-0.0027	19463	0.83	6.82	1.00	3.92
Node_2PC	BASE	5yr-1hr-10%	0.00	0.75	0.00	-0.0017	37039	1.00	3.09	0.00	2.91
Node_4	BASE	5yr-1hr-10%	2.00	-0.10	0.00	-0.1000	9	1.00	8.40	0.00	0.00
Node_4PC	BASE	5yr-1hr-10%	1.00	0.74	0.00	0.0032	22491	1.00	13.20	1.00	8.40
Node_5PC	BASE	5yr-1hr-10%	1.00	1.29	0.45	0.0050	32491	0.83	17.70	1.00	6.31
Node_6PC	BASE	5yr-1hr-10%	0.00	0.75	0.00	-0.0046	37039	1.00	5.28	0.00	8.88
Node_7	BASE	5yr-1hr-10%	2.00	-0.10	0.00	0.0000	7	1.00	0.64	0.00	0.00
Node_7PC	BASE	5yr-1hr-10%	1.00	0.32	0.00	0.0026	15825	1.00	5.90	1.00	0.64
Node-1	BASE	5yr-1hr-90%	2.00	-0.10	0.00	-0.1000	11	1.00	0.29	0.00	0.00
Node-2	BASE	5yr-1hr-90%	2.00	-0.10	0.00	-0.1000	9	0.00	2.91	0.00	0.00
Node-5	BASE	5yr-1hr-90%	2.00	-0.10	0.00	0.0000	7	1.00	0.48	0.00	0.00
Node-6	BASE	5yr-1hr-90%	2.00	-0.10	0.00	0.0000	9	0.00	8.88	0.00	0.00
Node_1PC	BASE	5yr-1hr-90%	1.00	0.14	0.45	0.0030	14317	1.00	5.77	1.00	0.29
Node_2PC	BASE	5yr-1hr-90%	0.00	0.75	0.00	-0.0028	37039	1.00	0.30	0.00	2.91
Node_4	BASE	5yr-1hr-90%	2.00	-0.10	0.00	-0.1000	4	1.00	0.04	0.00	0.00
Node_4PC	BASE	5yr-1hr-90%	1.00	0.07	0.00	0.0016	13640	1.00	2.74	1.00	0.04
Node_5PC	BASE	5yr-1hr-90%	1.00	0.27	0.45	0.0050	15401	1.00	10.14	1.00	0.48
Node_6PC	BASE	5yr-1hr-90%	0.00	0.75	0.00	-0.0046	37039	1.00	0.54	0.00	8.88
Node_7	BASE	5yr-1hr-90%	2.00	-0.10	0.00	0.0000	1	1.00	0.00	0.00	0.00
Node_7PC	BASE	5yr-1hr-90%	1.00	0.02	0.00	0.0004	13212	1.00	0.72	1.00	0.00
Node-1	BASE	5yr-24hr-10%	48.00	-0.05	0.00	-0.1000	7	2.54	9.54	0.00	0.00
Node-2	BASE	5yr-24hr-10%	48.00	-0.05	0.00	-0.1000	3	3.63	29.84	0.00	0.00
Node-5	BASE	5yr-24hr-10%	48.00	-0.05	0.00	0.0000	4	2.00	24.82	0.00	0.00
Node-6	BASE	5yr-24hr-10%	48.00	-0.05	0.00	0.0000	3	3.56	89.71	0.00	0.00
Node_1PC	BASE	5yr-24hr-10%	2.54	1.07	0.45	-0.0033	28910	2.00	10.54	2.54	9.54
Node_2PC	BASE	5yr-24hr-10%	3.63	1.88	0.00	0.0038	84619	3.00	30.93	3.63	29.84
Node_4	BASE	5yr-24hr-10%	48.00	-0.05	0.00	-0.1000	3	2.52	31.91	0.00	0.00
Node_4PC	BASE	5yr-24hr-10%	2.52	0.99	0.00	0.0035	27744	2.50	31.99	2.52	31.91
Node_5PC	BASE	5yr-24hr-10%	2.00	1.59	0.45	0.0050	37159	2.00	24.84	2.00	24.82
Node_6PC	BASE	5yr-24hr-10%	3.56	1.29	0.00	-0.0046	71724	3.50	90.13	3.56	89.71
Node_7	BASE	5yr-24hr-10%	48.00	-0.05	0.00	0.0000	3	3.00	32.62	0.00	0.00
Node_7PC	BASE	5yr-24hr-10%	3.00	1.00	0.00	0.0038	27853	3.00	32.64	3.00	32.62
Node-1	BASE	5yr-24hr-90%	48.00	-0.05	0.00	-0.1000	7	23.99	11.95	0.00	0.00
Node-2	BASE	5yr-24hr-90%	48.00	-0.05	0.00	-0.1000	4	23.99	37.68	0.00	0.00
Node-5	BASE	5yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	23.99	30.68	0.00	0.00
Node-6	BASE	5yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	23.99	105.30	0.00	0.00
Node_1PC	BASE	5yr-24hr-90%	23.99	1.24	0.45	0.0033	31668	23.99	14.66	23.99	11.95
Node_2PC	BASE	5yr-24hr-90%	23.99	1.95	0.00	0.0050	86106	23.99	41.53	23.99	37.68

Node_4	BASE	5yr-24hr-90%	48.00	-0.05	0.00	-0.1000	3	23.99	44.89	0.00	0.00
Node_4PC	BASE	5yr-24hr-90%	23.99	1.08	0.00	0.0050	29133	23.99	45.69	23.99	44.89
Node_5PC	BASE	5yr-24hr-90%	23.99	1.63	0.45	0.0037	37803	23.99	31.33	23.99	30.68
Node_6PC	BASE	5yr-24hr-90%	23.99	1.35	0.00	0.0050	72990	23.99	108.68	23.99	105.30
Node_7	BASE	5yr-24hr-90%	48.00	-0.05	0.00	0.0000	3	23.99	49.40	0.00	0.00
Node_7PC	BASE	5yr-24hr-90%	23.99	1.11	0.00	0.0049	29544	23.99	50.35	23.99	49.40
Node-1	BASE	5yr-6hr-10%	12.00	-0.09	0.00	-0.1000	6	1.71	11.15	0.00	0.00
Node-2	BASE	5yr-6hr-10%	12.00	-0.09	0.00	-0.1000	7	2.69	23.96	0.00	0.00
Node-5	BASE	5yr-6hr-10%	12.00	-0.09	0.00	0.0000	5	1.36	34.16	0.00	0.00
Node-6	BASE	5yr-6hr-10%	12.00	-0.09	0.00	0.0000	6	2.50	84.09	0.00	0.00
Node_1PC	BASE	5yr-6hr-10%	1.71	1.17	0.45	-0.0037	30537	1.17	14.66	1.71	11.15
Node_2PC	BASE	5yr-6hr-10%	2.69	1.82	0.00	0.0037	83255	2.17	31.35	2.69	23.96
Node_4	BASE	5yr-6hr-10%	12.00	-0.09	0.00	-0.1000	4	1.67	38.89	0.00	0.00
Node_4PC	BASE	5yr-6hr-10%	1.67	1.04	0.00	0.0045	28543	1.50	38.98	1.67	38.89
Node_5PC	BASE	5yr-6hr-10%	1.36	1.65	0.45	0.0050	38143	1.33	34.48	1.36	34.16
Node_6PC	BASE	5yr-6hr-10%	2.50	1.27	0.00	-0.0046	71235	2.34	84.58	2.50	84.09
Node_7	BASE	5yr-6hr-10%	12.00	-0.09	0.00	0.0000	4	1.86	35.83	0.00	0.00
Node_7PC	BASE	5yr-6hr-10%	1.86	1.02	0.00	0.0041	28221	1.83	36.05	1.86	35.83
Node-1	BASE	5yr-6hr-90%	12.01	-0.09	0.00	-0.1000	8	6.00	10.36	0.00	0.00
Node-2	BASE	5yr-6hr-90%	12.01	-0.09	0.00	-0.1000	7	6.00	6.83	0.00	0.00
Node-5	BASE	5yr-6hr-90%	12.01	-0.09	0.00	0.0000	6	6.00	29.22	0.00	0.00
Node-6	BASE	5yr-6hr-90%	12.01	-0.09	0.00	0.0000	6	6.00	51.93	0.00	0.00
Node_1PC	BASE	5yr-6hr-90%	6.00	1.12	0.45	-0.0030	29748	6.00	13.34	6.00	10.36
Node_2PC	BASE	5yr-6hr-90%	6.00	1.23	0.00	0.0036	70304	6.00	25.93	6.00	6.83
Node_4	BASE	5yr-6hr-90%	12.01	-0.09	0.00	-0.1000	5	6.00	36.77	0.00	0.00
Node_4PC	BASE	5yr-6hr-90%	6.00	1.03	0.00	0.0050	28322	6.00	37.90	6.00	36.77
Node_5PC	BASE	5yr-6hr-90%	6.00	1.62	0.45	0.0050	37652	6.00	29.83	6.00	29.22
Node_6PC	BASE	5yr-6hr-90%	6.00	1.12	0.00	-0.0046	67953	6.00	58.87	6.00	51.93
Node_7	BASE	5yr-6hr-90%	12.01	-0.09	0.00	0.0000	5	6.00	33.75	0.00	0.00
Node_7PC	BASE	5yr-6hr-90%	6.00	1.01	0.00	0.0050	27991	6.00	35.34	6.00	33.75

Name	Group	Simulation	Max Time Flow hrs	Max Flow cfs	Max Delta Q cfs	Max Time US Stage hrs	Max US Stage ft	Max Time DS Stage hrs	Max DS Stage ft
P1	BASE	100-12hr-10%	1.31	15.42	-0.083	1.31	1.62	0.94	0.90
P2	BASE	100-12hr-10%	2.41	21.04	2.909	2.41	2.35	2.41	1.37
P4	BASE	100-12hr-10%	1.76	8.51	-0.038	1.76	1.39	1.76	0.82
P5	BASE	100-12hr-10%	1.29	8.61	0.040	1.29	1.86	0.67	0.90
P6	BASE	100-12hr-10%	2.76	14.49	2.909	2.76	1.89	2.76	1.11
P7	BASE	100-12hr-10%	2.01	9.08	-0.041	2.01	1.45	2.01	0.85
W1	BASE	100-12hr-10%	1.31	21.64	0.226	1.31	1.62	24.01	-0.08
W2	BASE	100-12hr-10%	2.41	97.26	-0.697	2.41	2.35	24.01	-0.08
W4	BASE	100-12hr-10%	1.76	109.02	-0.757	1.76	1.39	24.01	-0.08
W5	BASE	100-12hr-10%	1.29	73.67	-0.514	1.29	1.86	24.01	-0.08
W6	BASE	100-12hr-10%	2.76	316.58	5.966	2.76	1.89	24.01	-0.08
W7	BASE	100-12hr-10%	2.01	124.90	-0.889	2.01	1.45	24.01	-0.08
P1	BASE	100-12hr-90%	12.00	15.15	-0.051	12.00	1.59	10.92	0.90
P2	BASE	100-12hr-90%	12.00	20.05	2.909	12.00	2.29	12.00	1.34
P4	BASE	100-12hr-90%	12.00	8.10	-0.046	12.00	1.35	12.00	0.80
P5	BASE	100-12hr-90%	12.00	8.41	0.024	12.00	1.81	8.53	0.90
P6	BASE	100-12hr-90%	12.00	12.94	2.909	12.00	1.77	12.00	1.04
P7	BASE	100-12hr-90%	12.00	8.83	-0.055	12.00	1.42	12.00	0.84
W1	BASE	100-12hr-90%	12.00	17.14	-0.146	12.00	1.59	24.00	-0.08
W2	BASE	100-12hr-90%	12.00	80.57	0.464	12.00	2.29	24.00	-0.08
W4	BASE	100-12hr-90%	12.00	98.07	-1.143	12.00	1.35	24.00	-0.08
W5	BASE	100-12hr-90%	12.00	58.66	-0.579	12.00	1.81	24.00	-0.08
W6	BASE	100-12hr-90%	12.00	254.75	5.966	12.00	1.77	24.00	-0.08
W7	BASE	100-12hr-90%	12.00	117.93	-1.474	12.00	1.42	24.00	-0.08
P1	BASE	100-1hr-10%	1.00	10.93	-0.041	1.00	1.15	1.00	0.61
P2	BASE	100-1hr-10%	1.00	3.95	2.909	1.00	0.90	1.00	0.52
P4	BASE	100-1hr-10%	1.00	5.18	-0.039	1.00	1.05	1.00	0.61
P5	BASE	100-1hr-10%	0.88	7.94	0.038	0.88	1.68	0.65	0.90
P6	BASE	100-1hr-10%	1.00	3.84	2.909	1.00	0.88	1.00	0.51
P7	BASE	100-1hr-10%	1.00	4.43	-0.027	1.00	0.96	1.00	0.56
W1	BASE	100-1hr-10%	0.00	0.00	0.000	1.00	1.15	2.00	-0.10
W2	BASE	100-1hr-10%	0.00	0.00	0.000	1.00	0.90	2.00	-0.10
W4	BASE	100-1hr-10%	1.00	34.49	-0.634	1.00	1.05	2.00	-0.10
W5	BASE	100-1hr-10%	0.88	31.15	-0.547	0.88	1.68	2.00	-0.10
W6	BASE	100-1hr-10%	1.00	15.12	5.966	1.00	0.88	2.00	-0.10
W7	BASE	100-1hr-10%	1.00	22.86	-0.365	1.00	0.96	2.00	-0.10
P1	BASE	100-1hr-90%	1.00	2.11	0.030	1.00	0.41	1.00	0.17
P2	BASE	100-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	100-1hr-90%	1.00	0.48	0.009	1.00	0.27	1.00	0.08
P5	BASE	100-1hr-90%	1.00	2.43	0.024	1.00	0.68	1.00	0.36
P6	BASE	100-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	100-1hr-90%	1.00	0.07	0.002	1.00	0.10	1.00	-0.02
W1	BASE	100-1hr-90%	0.00	0.00	0.000	1.00	0.41	2.00	-0.10
W2	BASE	100-1hr-90%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	100-1hr-90%	0.00	0.00	0.000	1.00	0.27	2.00	-0.10
W5	BASE	100-1hr-90%	0.00	0.00	0.000	1.00	0.68	2.00	-0.10
W6	BASE	100-1hr-90%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	100-1hr-90%	0.00	0.00	0.000	1.00	0.10	2.00	-0.10
P1	BASE	100-24hr-10%	1.46	15.24	-0.076	1.46	1.60	1.03	0.90
P2	BASE	100-24hr-10%	2.76	20.88	2.909	2.76	2.34	2.76	1.37
P4	BASE	100-24hr-10%	1.83	8.23	0.023	1.83	1.37	1.83	0.80
P5	BASE	100-24hr-10%	1.35	8.52	0.038	1.35	1.84	0.71	0.90
P6	BASE	100-24hr-10%	3.02	14.45	2.909	3.02	1.89	3.02	1.11
P7	BASE	100-24hr-10%	2.26	8.86	0.022	2.26	1.43	2.26	0.84
W1	BASE	100-24hr-10%	1.46	18.52	0.183	1.46	1.60	47.99	-0.05
W2	BASE	100-24hr-10%	2.76	94.57	0.537	2.76	2.34	47.99	-0.05
W4	BASE	100-24hr-10%	1.83	101.39	-0.437	1.83	1.37	47.99	-0.05
W5	BASE	100-24hr-10%	1.35	66.54	0.387	1.35	1.84	47.99	-0.05
W6	BASE	100-24hr-10%	3.02	315.04	5.966	3.02	1.89	47.99	-0.05
W7	BASE	100-24hr-10%	2.26	118.73	-0.510	2.26	1.43	47.99	-0.05
P1	BASE	100-24hr-90%	23.99	15.37	0.052	23.99	1.62	22.38	0.90
P2	BASE	100-24hr-90%	23.99	21.32	2.909	23.99	2.37	23.99	1.38
P4	BASE	100-24hr-90%	23.99	8.71	-0.043	23.99	1.41	23.99	0.83
P5	BASE	100-24hr-90%	23.99	8.52	0.029	23.99	1.84	19.16	0.90
P6	BASE	100-24hr-90%	23.99	14.61	2.909	23.99	1.90	23.99	1.12

P7	BASE	100-24hr-90%	23.99	9.67	-0.053	23.99	1.50	23.99	0.88
W1	BASE	100-24hr-90%	23.99	20.74	-0.145	23.99	1.62	47.99	-0.05
W2	BASE	100-24hr-90%	23.99	102.56	0.562	23.99	2.37	47.99	-0.05
W4	BASE	100-24hr-90%	23.99	114.21	-1.134	23.99	1.41	47.99	-0.05
W5	BASE	100-24hr-90%	23.99	66.67	-0.556	23.99	1.84	47.99	-0.05
W6	BASE	100-24hr-90%	23.99	321.31	5.966	23.99	1.90	47.99	-0.05
W7	BASE	100-24hr-90%	23.99	142.26	-1.534	23.99	1.50	47.99	-0.05
P1	BASE	100-6hr-10%	1.18	15.54	-0.080	1.18	1.64	0.88	0.90
P2	BASE	100-6hr-10%	2.06	20.41	2.909	2.06	2.31	2.06	1.35
P4	BASE	100-6hr-10%	1.50	8.51	-0.035	1.50	1.39	1.50	0.82
P5	BASE	100-6hr-10%	1.18	8.67	0.038	1.18	1.88	0.66	0.90
P6	BASE	100-6hr-10%	2.29	13.47	2.909	2.29	1.81	2.29	1.07
P7	BASE	100-6hr-10%	1.68	8.86	-0.035	1.68	1.43	1.68	0.84
W1	BASE	100-6hr-10%	1.18	23.78	0.265	1.18	1.64	24.00	-0.08
W2	BASE	100-6hr-10%	2.06	86.59	0.544	2.06	2.31	24.00	-0.08
W4	BASE	100-6hr-10%	1.50	108.98	-0.676	1.50	1.39	24.00	-0.08
W5	BASE	100-6hr-10%	1.18	79.11	-0.514	1.18	1.88	24.00	-0.08
W6	BASE	100-6hr-10%	2.29	275.20	5.966	2.29	1.81	24.00	-0.08
W7	BASE	100-6hr-10%	1.68	118.72	-0.748	1.68	1.43	24.00	-0.08
P1	BASE	100-6hr-90%	5.99	15.07	-0.052	5.99	1.58	5.25	0.90
P2	BASE	100-6hr-90%	5.99	18.80	2.909	5.99	2.20	5.99	1.29
P4	BASE	100-6hr-90%	5.99	7.87	-0.044	5.99	1.33	5.99	0.78
P5	BASE	100-6hr-90%	5.99	8.40	0.036	5.99	1.80	4.02	0.90
P6	BASE	100-6hr-90%	5.99	11.23	2.909	5.99	1.63	5.99	0.96
P7	BASE	100-6hr-90%	5.99	8.29	-0.049	5.99	1.37	5.99	0.81
W1	BASE	100-6hr-90%	5.99	15.87	-0.135	5.99	1.58	12.01	-0.09
W2	BASE	100-6hr-90%	5.99	61.76	0.476	5.99	2.20	12.01	-0.09
W4	BASE	100-6hr-90%	5.99	91.93	-1.046	5.99	1.33	12.01	-0.09
W5	BASE	100-6hr-90%	5.99	57.79	-0.567	5.99	1.80	12.01	-0.09
W6	BASE	100-6hr-90%	5.99	192.63	5.966	5.99	1.63	12.01	-0.09
W7	BASE	100-6hr-90%	5.99	103.26	-1.228	5.99	1.37	12.01	-0.09
P1	BASE	10yr-12hr-10%	1.98	13.43	-0.076	1.98	1.39	1.98	0.73
P2	BASE	10yr-12hr-10%	2.79	16.33	2.909	2.79	2.03	2.79	1.19
P4	BASE	10yr-12hr-10%	2.00	5.82	0.026	2.00	1.12	2.00	0.66
P5	BASE	10yr-12hr-10%	1.52	7.97	0.040	1.52	1.69	0.98	0.90
P6	BASE	10yr-12hr-10%	2.82	9.22	2.909	2.94	1.46	2.82	0.86
P7	BASE	10yr-12hr-10%	2.26	5.93	0.024	2.26	1.13	2.26	0.66
W1	BASE	10yr-12hr-10%	1.98	1.89	-0.028	1.98	1.39	23.99	-0.08
W2	BASE	10yr-12hr-10%	2.79	31.80	0.277	2.79	2.03	23.99	-0.08
W4	BASE	10yr-12hr-10%	2.00	46.19	-0.273	2.00	1.12	23.99	-0.08
W5	BASE	10yr-12hr-10%	1.52	32.26	0.279	1.52	1.69	23.99	-0.08
W6	BASE	10yr-12hr-10%	2.94	129.07	5.966	2.94	1.46	23.99	-0.08
W7	BASE	10yr-12hr-10%	2.26	48.37	-0.259	2.26	1.13	23.99	-0.08
P1	BASE	10yr-12hr-90%	11.99	13.32	-0.048	11.99	1.38	11.99	0.73
P2	BASE	10yr-12hr-90%	11.99	15.76	2.909	11.99	1.99	11.99	1.17
P4	BASE	10yr-12hr-90%	11.99	5.86	-0.044	11.99	1.12	11.99	0.66
P5	BASE	10yr-12hr-90%	11.99	7.88	0.026	11.99	1.67	10.00	0.90
P6	BASE	10yr-12hr-90%	11.99	8.47	2.909	11.99	1.39	11.99	0.82
P7	BASE	10yr-12hr-90%	11.99	6.08	-0.048	11.99	1.15	11.99	0.67
W1	BASE	10yr-12hr-90%	11.99	1.49	0.075	11.99	1.38	23.99	-0.08
W2	BASE	10yr-12hr-90%	11.99	26.35	0.239	11.99	1.99	23.99	-0.08
W4	BASE	10yr-12hr-90%	11.99	46.84	-0.791	11.99	1.12	23.99	-0.08
W5	BASE	10yr-12hr-90%	11.99	28.51	-0.418	11.99	1.67	23.99	-0.08
W6	BASE	10yr-12hr-90%	11.99	107.71	5.966	11.99	1.39	23.99	-0.08
W7	BASE	10yr-12hr-90%	11.99	51.25	-0.895	11.99	1.15	23.99	-0.08
P1	BASE	10yr-1hr-10%	1.00	5.51	-0.032	1.00	0.74	1.00	0.40
P2	BASE	10yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	10yr-1hr-10%	1.00	3.65	-0.032	1.00	0.86	1.00	0.50
P5	BASE	10yr-1hr-10%	1.00	7.22	0.026	1.00	1.51	0.96	0.90
P6	BASE	10yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	10yr-1hr-10%	1.00	1.76	0.016	1.00	0.56	1.00	0.31
W1	BASE	10yr-1hr-10%	0.00	0.00	0.000	1.00	0.74	2.00	-0.10
W2	BASE	10yr-1hr-10%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	10yr-1hr-10%	1.00	12.91	-0.335	1.00	0.86	2.00	-0.10
W5	BASE	10yr-1hr-10%	1.00	8.27	-0.219	1.00	1.51	2.00	-0.10
W6	BASE	10yr-1hr-10%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	10yr-1hr-10%	1.00	0.33	0.028	1.00	0.56	2.00	-0.10
P1	BASE	10yr-1hr-90%	1.00	0.43	0.012	1.00	0.17	1.00	0.02
P2	BASE	10yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43

P4	BASE	10yr-1hr-90%	1.00	0.06	0.002	1.00	0.08	1.00	-0.03
P5	BASE	10yr-1hr-90%	1.00	0.73	0.018	1.00	0.34	1.00	0.12
P6	BASE	10yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	10yr-1hr-90%	1.00	0.00	0.000	1.00	0.02	1.00	-0.09
W1	BASE	10yr-1hr-90%	0.00	0.00	0.000	1.00	0.17	2.01	-0.10
W2	BASE	10yr-1hr-90%	0.00	0.00	0.000	0.00	0.75	2.01	-0.10
W4	BASE	10yr-1hr-90%	0.00	0.00	0.000	1.00	0.08	2.01	-0.10
W5	BASE	10yr-1hr-90%	0.00	0.00	0.000	1.00	0.34	2.01	-0.10
W6	BASE	10yr-1hr-90%	0.00	5.97	5.966	0.00	0.75	2.01	-0.10
W7	BASE	10yr-1hr-90%	0.00	0.00	0.000	1.00	0.02	2.01	-0.10
P1	BASE	10yr-24hr-10%	2.40	12.88	-0.073	2.40	1.33	2.40	0.70
P2	BASE	10yr-24hr-10%	3.23	16.10	2.909	3.23	2.01	3.23	1.18
P4	BASE	10yr-24hr-10%	2.27	5.54	0.024	2.27	1.09	2.27	0.64
P5	BASE	10yr-24hr-10%	1.76	7.85	-0.041	1.76	1.66	1.10	0.90
P6	BASE	10yr-24hr-10%	3.41	9.05	2.909	3.41	1.44	3.41	0.85
P7	BASE	10yr-24hr-10%	2.53	5.70	0.022	2.62	1.11	2.53	0.65
W1	BASE	10yr-24hr-10%	2.40	0.47	-0.012	2.40	1.33	47.99	-0.05
W2	BASE	10yr-24hr-10%	3.23	29.65	0.261	3.23	2.01	47.99	-0.05
W4	BASE	10yr-24hr-10%	2.27	40.86	-0.176	2.27	1.09	47.99	-0.05
W5	BASE	10yr-24hr-10%	1.76	26.99	0.209	1.76	1.66	47.99	-0.05
W6	BASE	10yr-24hr-10%	3.41	124.02	5.966	3.41	1.44	47.99	-0.05
W7	BASE	10yr-24hr-10%	2.62	43.87	0.223	2.62	1.11	47.99	-0.05
P1	BASE	10yr-24hr-90%	23.99	13.89	0.052	23.99	1.44	23.99	0.77
P2	BASE	10yr-24hr-90%	23.99	16.91	2.909	23.99	2.07	23.99	1.21
P4	BASE	10yr-24hr-90%	23.99	6.24	-0.040	23.99	1.16	23.99	0.68
P5	BASE	10yr-24hr-90%	23.99	7.96	0.025	23.99	1.69	21.18	0.90
P6	BASE	10yr-24hr-90%	23.99	9.62	2.909	23.99	1.49	23.99	0.88
P7	BASE	10yr-24hr-90%	23.99	6.64	-0.046	23.99	1.21	23.99	0.71
W1	BASE	10yr-24hr-90%	23.99	4.09	0.106	23.99	1.44	48.00	-0.05
W2	BASE	10yr-24hr-90%	23.99	38.06	0.306	23.99	2.07	48.00	-0.05
W4	BASE	10yr-24hr-90%	23.99	54.43	-0.784	23.99	1.16	48.00	-0.05
W5	BASE	10yr-24hr-90%	23.99	31.79	-0.388	23.99	1.69	48.00	-0.05
W6	BASE	10yr-24hr-90%	23.99	140.82	5.966	23.99	1.49	48.00	-0.05
W7	BASE	10yr-24hr-90%	23.99	63.00	-0.959	23.99	1.21	48.00	-0.05
P1	BASE	10yr-6hr-10%	1.62	13.52	-0.067	1.62	1.40	1.62	0.74
P2	BASE	10yr-6hr-10%	2.41	15.67	2.909	2.41	1.98	2.41	1.16
P4	BASE	10yr-6hr-10%	1.55	5.93	0.024	1.55	1.13	1.55	0.66
P5	BASE	10yr-6hr-10%	1.28	8.06	0.039	1.28	1.71	0.90	0.90
P6	BASE	10yr-6hr-10%	2.40	8.69	2.909	2.40	1.41	2.40	0.83
P7	BASE	10yr-6hr-10%	1.83	5.86	0.022	1.83	1.12	1.83	0.66
W1	BASE	10yr-6hr-10%	1.62	2.23	0.028	1.62	1.40	12.00	-0.09
W2	BASE	10yr-6hr-10%	2.41	25.59	0.253	2.41	1.98	12.00	-0.09
W4	BASE	10yr-6hr-10%	1.55	48.27	-0.204	1.55	1.13	12.00	-0.09
W5	BASE	10yr-6hr-10%	1.28	37.03	0.284	1.28	1.71	12.00	-0.09
W6	BASE	10yr-6hr-10%	2.40	113.81	5.966	2.40	1.41	12.00	-0.09
W7	BASE	10yr-6hr-10%	1.83	46.83	0.271	1.83	1.12	12.00	-0.09
P1	BASE	10yr-6hr-90%	6.00	12.90	-0.048	6.00	1.34	6.00	0.70
P2	BASE	10yr-6hr-90%	6.00	10.97	2.909	6.00	1.61	6.00	0.95
P4	BASE	10yr-6hr-90%	6.00	5.70	-0.041	6.00	1.11	5.99	0.65
P5	BASE	10yr-6hr-90%	6.00	7.90	0.036	6.00	1.67	4.81	0.90
P6	BASE	10yr-6hr-90%	6.00	7.12	2.909	6.00	1.26	6.00	0.74
P7	BASE	10yr-6hr-90%	6.00	5.67	-0.040	6.00	1.10	6.00	0.65
W1	BASE	10yr-6hr-90%	6.00	0.50	0.022	6.00	1.34	12.00	-0.09
W2	BASE	10yr-6hr-90%	6.00	1.11	0.080	6.00	1.61	12.00	-0.09
W4	BASE	10yr-6hr-90%	6.00	44.04	-0.727	6.00	1.11	12.00	-0.09
W5	BASE	10yr-6hr-90%	6.00	29.24	-0.432	6.00	1.67	12.00	-0.09
W6	BASE	10yr-6hr-90%	6.00	73.69	5.966	6.00	1.26	12.00	-0.09
W7	BASE	10yr-6hr-90%	6.00	43.38	-0.712	6.00	1.10	12.00	-0.09
P1	BASE	25yr-12hr-10%	1.59	14.52	-0.083	1.59	1.52	1.35	0.90
P2	BASE	25yr-12hr-10%	2.57	18.28	2.909	2.57	2.17	2.57	1.27
P4	BASE	25yr-12hr-10%	1.79	6.89	-0.028	1.79	1.23	1.79	0.73
P5	BASE	25yr-12hr-10%	1.42	8.24	0.040	1.42	1.76	0.83	0.90
P6	BASE	25yr-12hr-10%	2.80	11.30	2.909	2.80	1.64	2.80	0.97
P7	BASE	25yr-12hr-10%	2.06	7.15	-0.028	2.06	1.26	2.06	0.74
W1	BASE	25yr-12hr-10%	1.59	9.13	-0.116	1.59	1.52	24.01	-0.08
W2	BASE	25yr-12hr-10%	2.57	54.69	0.393	2.57	2.17	24.01	-0.08
W4	BASE	25yr-12hr-10%	1.79	68.41	-0.491	1.79	1.23	24.01	-0.08
W5	BASE	25yr-12hr-10%	1.42	46.92	-0.350	1.42	1.76	24.01	-0.08
W6	BASE	25yr-12hr-10%	2.80	194.80	5.966	2.80	1.64	24.01	-0.08

W7	BASE	25yr-12hr-10%	2.06	74.66	-0.546	2.06	1.26	24.01	-0.08
P1	BASE	25yr-12hr-90%	12.00	14.41	-0.051	12.00	1.50	11.80	0.90
P2	BASE	25yr-12hr-90%	12.00	17.63	2.909	12.00	2.12	12.00	1.24
P4	BASE	25yr-12hr-90%	12.00	6.76	-0.039	12.00	1.22	12.00	0.72
P5	BASE	25yr-12hr-90%	12.00	8.11	0.027	12.00	1.73	9.39	0.90
P6	BASE	25yr-12hr-90%	12.00	10.24	2.909	12.00	1.55	12.00	0.91
P7	BASE	25yr-12hr-90%	12.00	7.18	-0.044	12.00	1.26	12.00	0.74
W1	BASE	25yr-12hr-90%	12.00	8.00	0.119	12.00	1.50	23.99	-0.08
W2	BASE	25yr-12hr-90%	12.00	46.17	0.334	12.00	2.12	23.99	-0.08
W4	BASE	25yr-12hr-90%	12.00	65.57	-0.815	12.00	1.22	23.99	-0.08
W5	BASE	25yr-12hr-90%	12.00	39.64	-0.420	12.00	1.73	23.99	-0.08
W6	BASE	25yr-12hr-90%	12.00	160.34	5.966	12.00	1.55	23.99	-0.08
W7	BASE	25yr-12hr-90%	12.00	75.26	-0.987	12.00	1.26	23.99	-0.08
P1	BASE	25yr-1hr-10%	1.00	7.51	-0.037	1.00	0.91	1.00	0.48
P2	BASE	25yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	25yr-1hr-10%	1.00	4.32	-0.039	1.00	0.94	1.00	0.55
P5	BASE	25yr-1hr-10%	0.99	7.63	0.035	0.99	1.60	0.79	0.90
P6	BASE	25yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	25yr-1hr-10%	1.00	3.18	0.019	1.00	0.79	1.00	0.46
W1	BASE	25yr-1hr-10%	0.00	0.00	0.000	1.00	0.91	2.00	-0.10
W2	BASE	25yr-1hr-10%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	25yr-1hr-10%	1.00	21.27	-0.510	1.00	0.94	2.00	-0.10
W5	BASE	25yr-1hr-10%	0.99	18.78	-0.464	0.99	1.60	2.00	-0.10
W6	BASE	25yr-1hr-10%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	25yr-1hr-10%	1.00	8.23	0.162	1.00	0.79	2.00	-0.10
P1	BASE	25yr-1hr-90%	1.00	0.91	0.020	1.00	0.26	1.00	0.08
P2	BASE	25yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	25yr-1hr-90%	1.00	0.15	0.004	1.00	0.15	1.00	0.01
P5	BASE	25yr-1hr-90%	1.00	1.35	0.022	1.00	0.47	1.00	0.24
P6	BASE	25yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	25yr-1hr-90%	1.00	0.02	0.001	1.00	0.04	1.00	-0.06
W1	BASE	25yr-1hr-90%	0.00	0.00	0.000	1.00	0.26	2.00	-0.10
W2	BASE	25yr-1hr-90%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	25yr-1hr-90%	0.00	0.00	0.000	1.00	0.15	2.00	-0.10
W5	BASE	25yr-1hr-90%	0.00	0.00	0.000	1.00	0.47	2.00	-0.10
W6	BASE	25yr-1hr-90%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	25yr-1hr-90%	0.00	0.00	0.000	1.00	0.04	2.00	-0.10
P1	BASE	25yr-24hr-10%	1.82	14.27	-0.082	1.82	1.49	1.70	0.90
P2	BASE	25yr-24hr-10%	2.98	18.08	2.909	2.98	2.15	2.98	1.26
P4	BASE	25yr-24hr-10%	2.05	6.58	0.022	2.05	1.20	2.20	0.71
P5	BASE	25yr-24hr-10%	1.55	8.13	-0.039	1.55	1.73	0.90	0.90
P6	BASE	25yr-24hr-10%	3.26	11.15	2.909	3.26	1.63	3.26	0.96
P7	BASE	25yr-24hr-10%	2.50	6.92	0.022	2.50	1.24	2.57	0.73
W1	BASE	25yr-24hr-10%	1.82	6.77	-0.068	1.82	1.49	48.00	-0.05
W2	BASE	25yr-24hr-10%	2.98	51.83	0.382	2.98	2.15	48.00	-0.05
W4	BASE	25yr-24hr-10%	2.05	61.85	-0.271	2.05	1.20	48.00	-0.05
W5	BASE	25yr-24hr-10%	1.55	40.90	0.270	1.55	1.73	48.00	-0.05
W6	BASE	25yr-24hr-10%	3.26	189.99	5.966	3.26	1.63	48.00	-0.05
W7	BASE	25yr-24hr-10%	2.50	69.26	-0.301	2.50	1.24	48.00	-0.05
P1	BASE	25yr-24hr-90%	24.00	14.64	0.052	24.00	1.53	23.48	0.90
P2	BASE	25yr-24hr-90%	24.00	18.77	2.909	24.00	2.20	24.00	1.29
P4	BASE	25yr-24hr-90%	24.00	7.23	-0.044	24.00	1.27	24.00	0.75
P5	BASE	25yr-24hr-90%	24.00	8.20	0.028	24.00	1.75	20.33	0.90
P6	BASE	25yr-24hr-90%	24.00	11.62	2.909	24.00	1.67	24.00	0.98
P7	BASE	25yr-24hr-90%	24.00	7.86	-0.053	24.00	1.33	24.00	0.78
W1	BASE	25yr-24hr-90%	24.00	10.36	0.110	24.00	1.53	48.00	-0.05
W2	BASE	25yr-24hr-90%	24.00	61.35	0.407	24.00	2.20	48.00	-0.05
W4	BASE	25yr-24hr-90%	24.00	76.36	-0.986	24.00	1.27	48.00	-0.05
W5	BASE	25yr-24hr-90%	24.00	44.62	-0.481	24.00	1.75	48.00	-0.05
W6	BASE	25yr-24hr-90%	24.00	206.26	5.966	24.00	1.67	48.00	-0.05
W7	BASE	25yr-24hr-90%	24.00	91.81	-1.273	24.00	1.33	48.00	-0.05
P1	BASE	25yr-6hr-10%	1.37	14.65	-0.078	1.37	1.53	1.17	0.90
P2	BASE	25yr-6hr-10%	2.21	17.77	2.909	2.21	2.13	2.21	1.25
P4	BASE	25yr-6hr-10%	1.52	6.97	-0.027	1.52	1.24	1.52	0.73
P5	BASE	25yr-6hr-10%	1.21	8.33	0.038	1.21	1.78	0.78	0.90
P6	BASE	25yr-6hr-10%	2.36	10.60	2.909	2.36	1.58	2.36	0.93
P7	BASE	25yr-6hr-10%	1.71	7.06	-0.025	1.71	1.25	1.71	0.74
W1	BASE	25yr-6hr-10%	1.37	10.54	0.112	1.37	1.53	12.00	-0.09
W2	BASE	25yr-6hr-10%	2.21	48.06	0.373	2.21	2.13	12.00	-0.09

W4	BASE	25yr-6hr-10%	1.52	70.49	-0.451	1.52	1.24	12.00	-0.09
W5	BASE	25yr-6hr-10%	1.21	52.76	-0.348	1.21	1.78	12.00	-0.09
W6	BASE	25yr-6hr-10%	2.36	171.78	5.966	2.36	1.58	12.00	-0.09
W7	BASE	25yr-6hr-10%	1.71	72.37	-0.462	1.71	1.25	12.00	-0.09
P1	BASE	25yr-6hr-90%	6.00	14.34	-0.051	6.00	1.49	5.89	0.90
P2	BASE	25yr-6hr-90%	6.00	15.73	2.909	6.00	1.98	6.00	1.17
P4	BASE	25yr-6hr-90%	6.00	6.59	-0.046	6.00	1.20	6.00	0.71
P5	BASE	25yr-6hr-90%	6.00	8.12	0.037	6.00	1.73	4.47	0.90
P6	BASE	25yr-6hr-90%	6.00	8.78	2.909	6.00	1.42	6.00	0.84
P7	BASE	25yr-6hr-90%	6.00	6.75	-0.048	6.00	1.22	6.00	0.72
W1	BASE	25yr-6hr-90%	6.00	7.39	-0.097	6.00	1.49	12.00	-0.09
W2	BASE	25yr-6hr-90%	6.00	26.16	0.330	6.00	1.98	12.00	-0.09
W4	BASE	25yr-6hr-90%	6.00	61.95	-0.937	6.00	1.20	12.00	-0.09
W5	BASE	25yr-6hr-90%	6.00	40.12	-0.531	6.00	1.73	12.00	-0.09
W6	BASE	25yr-6hr-90%	6.00	116.45	5.966	6.00	1.42	12.00	-0.09
W7	BASE	25yr-6hr-90%	6.00	65.27	-1.007	6.00	1.22	12.00	-0.09
P1	BASE	2yr-12hr-10%	2.28	6.23	-0.037	2.28	0.81	2.22	0.43
P2	BASE	2yr-12hr-10%	4.00	10.29	2.909	4.00	1.55	4.00	0.92
P4	BASE	2yr-12hr-10%	2.22	3.91	0.025	2.26	0.89	2.22	0.52
P5	BASE	2yr-12hr-10%	1.94	7.30	-0.038	1.94	1.53	1.65	0.90
P6	BASE	2yr-12hr-10%	3.27	5.59	2.909	3.27	1.09	3.27	0.64
P7	BASE	2yr-12hr-10%	2.55	3.75	0.022	2.55	0.87	2.55	0.50
W1	BASE	2yr-12hr-10%	0.00	0.00	0.000	2.28	0.81	24.00	-0.08
W2	BASE	2yr-12hr-10%	4.00	0.28	0.009	4.00	1.55	24.00	-0.08
W4	BASE	2yr-12hr-10%	2.26	15.97	0.112	2.26	0.89	24.00	-0.08
W5	BASE	2yr-12hr-10%	1.94	10.01	0.105	1.94	1.53	24.00	-0.08
W6	BASE	2yr-12hr-10%	3.27	41.75	5.966	3.27	1.09	24.00	-0.08
W7	BASE	2yr-12hr-10%	2.55	14.03	0.129	2.55	0.87	24.00	-0.08
P1	BASE	2yr-12hr-90%	12.00	6.74	-0.032	12.00	0.85	12.00	0.45
P2	BASE	2yr-12hr-90%	12.00	5.92	2.909	12.00	1.13	12.00	0.66
P4	BASE	2yr-12hr-90%	12.00	4.11	-0.035	12.00	0.92	12.00	0.53
P5	BASE	2yr-12hr-90%	12.00	7.34	0.028	12.00	1.53	11.44	0.90
P6	BASE	2yr-12hr-90%	12.00	5.11	2.909	12.00	1.04	12.00	0.61
P7	BASE	2yr-12hr-90%	12.00	3.97	-0.033	12.00	0.90	12.00	0.52
W1	BASE	2yr-12hr-90%	0.00	0.00	0.000	12.00	0.85	24.00	-0.08
W2	BASE	2yr-12hr-90%	0.00	0.00	0.000	12.00	1.13	24.00	-0.08
W4	BASE	2yr-12hr-90%	12.00	18.54	-0.432	12.00	0.92	24.00	-0.08
W5	BASE	2yr-12hr-90%	12.00	10.88	-0.241	12.00	1.53	24.00	-0.08
W6	BASE	2yr-12hr-90%	12.00	33.39	5.966	12.00	1.04	24.00	-0.08
W7	BASE	2yr-12hr-90%	12.00	16.79	-0.380	12.00	0.90	24.00	-0.08
P1	BASE	2yr-1hr-10%	1.00	2.02	-0.017	1.00	0.40	1.00	0.16
P2	BASE	2yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	2yr-1hr-10%	1.00	1.11	0.017	1.00	0.42	1.00	0.23
P5	BASE	2yr-1hr-10%	1.00	3.95	0.025	1.00	0.94	1.00	0.50
P6	BASE	2yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	2yr-1hr-10%	1.00	0.05	0.001	1.00	0.07	1.00	-0.04
W1	BASE	2yr-1hr-10%	0.00	0.00	0.000	1.00	0.40	2.00	-0.10
W2	BASE	2yr-1hr-10%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	2yr-1hr-10%	0.00	0.00	0.000	1.00	0.42	2.00	-0.10
W5	BASE	2yr-1hr-10%	0.00	0.00	0.000	1.00	0.94	2.00	-0.10
W6	BASE	2yr-1hr-10%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	2yr-1hr-10%	0.00	0.00	0.000	1.00	0.07	2.00	-0.10
P1	BASE	2yr-1hr-90%	1.00	0.05	0.004	1.00	0.05	1.00	-0.06
P2	BASE	2yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	2yr-1hr-90%	1.00	0.00	0.000	1.00	0.02	1.00	-0.09
P5	BASE	2yr-1hr-90%	1.00	0.12	0.008	1.00	0.13	1.00	-0.01
P6	BASE	2yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	2yr-1hr-90%	2.00	0.00	0.000	1.00	0.00	2.00	-0.10
W1	BASE	2yr-1hr-90%	0.00	0.00	0.000	1.00	0.05	2.00	-0.10
W2	BASE	2yr-1hr-90%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	2yr-1hr-90%	0.00	0.00	0.000	1.00	0.02	2.00	-0.10
W5	BASE	2yr-1hr-90%	0.00	0.00	0.000	1.00	0.13	2.00	-0.10
W6	BASE	2yr-1hr-90%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	2yr-1hr-90%	0.00	0.00	0.000	1.00	0.00	2.00	-0.10
P1	BASE	2yr-24hr-10%	2.74	5.40	-0.024	2.74	0.73	2.74	0.39
P2	BASE	2yr-24hr-10%	4.96	10.79	2.909	4.96	1.60	5.11	0.94
P4	BASE	2yr-24hr-10%	2.63	3.67	0.025	2.63	0.86	2.63	0.50
P5	BASE	2yr-24hr-10%	2.34	7.15	-0.037	2.34	1.49	2.14	0.90
P6	BASE	2yr-24hr-10%	4.03	5.44	2.909	4.03	1.08	4.03	0.63

P7	BASE	2yr-24hr-10%	3.12	3.58	0.022	3.12	0.85	3.12	0.49
W1	BASE	2yr-24hr-10%	0.00	0.00	0.000	2.74	0.73	48.01	-0.05
W2	BASE	2yr-24hr-10%	4.96	0.84	0.024	4.96	1.60	48.01	-0.05
W4	BASE	2yr-24hr-10%	2.63	13.19	0.096	2.63	0.86	48.01	-0.05
W5	BASE	2yr-24hr-10%	2.34	6.98	0.075	2.34	1.49	48.01	-0.05
W6	BASE	2yr-24hr-10%	4.03	39.20	5.966	4.03	1.08	48.01	-0.05
W7	BASE	2yr-24hr-10%	3.12	12.20	0.110	3.12	0.85	48.01	-0.05
P1	BASE	2yr-24hr-90%	24.00	7.55	-0.033	24.00	0.91	24.00	0.49
P2	BASE	2yr-24hr-90%	24.00	9.82	2.909	24.00	1.51	24.00	0.89
P4	BASE	2yr-24hr-90%	24.00	4.38	-0.041	24.00	0.95	24.00	0.55
P5	BASE	2yr-24hr-90%	24.00	7.40	-0.025	24.00	1.55	23.10	0.90
P6	BASE	2yr-24hr-90%	24.00	5.96	2.909	24.00	1.14	24.00	0.67
P7	BASE	2yr-24hr-90%	24.00	4.38	-0.041	24.00	0.95	24.00	0.55
W1	BASE	2yr-24hr-90%	0.00	0.00	0.000	24.00	0.91	47.99	-0.05
W2	BASE	2yr-24hr-90%	24.00	0.02	0.011	24.00	1.51	47.99	-0.05
W4	BASE	2yr-24hr-90%	24.00	22.13	-0.545	24.00	0.95	47.99	-0.05
W5	BASE	2yr-24hr-90%	24.00	12.34	-0.279	24.00	1.55	47.99	-0.05
W6	BASE	2yr-24hr-90%	24.00	48.91	5.966	24.00	1.14	47.99	-0.05
W7	BASE	2yr-24hr-90%	24.00	22.20	-0.547	24.00	0.95	47.99	-0.05
P1	BASE	2yr-6hr-10%	1.79	6.39	-0.036	1.79	0.82	1.79	0.44
P2	BASE	2yr-6hr-10%	3.10	7.72	2.909	3.10	1.32	3.10	0.78
P4	BASE	2yr-6hr-10%	1.73	3.98	0.024	1.73	0.90	1.73	0.52
P5	BASE	2yr-6hr-10%	1.61	7.38	0.035	1.61	1.54	1.38	0.90
P6	BASE	2yr-6hr-10%	2.62	5.21	2.909	2.62	1.05	2.62	0.61
P7	BASE	2yr-6hr-10%	2.01	3.66	0.020	2.01	0.86	2.01	0.50
W1	BASE	2yr-6hr-10%	0.00	0.00	0.000	1.79	0.82	12.00	-0.09
W2	BASE	2yr-6hr-10%	0.00	0.00	0.000	3.10	1.32	12.00	-0.09
W4	BASE	2yr-6hr-10%	1.73	16.83	0.120	1.73	0.90	12.00	-0.09
W5	BASE	2yr-6hr-10%	1.61	11.84	0.124	1.61	1.54	12.00	-0.09
W6	BASE	2yr-6hr-10%	2.62	35.11	5.966	2.62	1.05	12.00	-0.09
W7	BASE	2yr-6hr-10%	2.01	13.03	0.139	2.01	0.86	12.00	-0.09
P1	BASE	2yr-6hr-90%	6.00	6.24	-0.032	6.00	0.81	6.00	0.43
P2	BASE	2yr-6hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	2yr-6hr-90%	6.00	3.95	-0.038	6.00	0.90	6.00	0.52
P5	BASE	2yr-6hr-90%	6.00	7.35	0.032	6.00	1.54	5.71	0.90
P6	BASE	2yr-6hr-90%	6.00	3.87	2.909	6.00	0.89	6.00	0.51
P7	BASE	2yr-6hr-90%	6.00	3.55	-0.027	6.00	0.84	6.00	0.49
W1	BASE	2yr-6hr-90%	0.00	0.00	0.000	6.00	0.81	12.01	-0.09
W2	BASE	2yr-6hr-90%	0.00	0.00	0.000	0.00	0.75	12.01	-0.09
W4	BASE	2yr-6hr-90%	6.00	16.52	-0.438	6.00	0.90	12.01	-0.09
W5	BASE	2yr-6hr-90%	6.00	11.12	-0.292	6.00	1.54	12.01	-0.09
W6	BASE	2yr-6hr-90%	6.00	15.53	5.966	6.00	0.89	12.01	-0.09
W7	BASE	2yr-6hr-90%	6.00	11.86	-0.269	6.00	0.84	12.01	-0.09
P1	BASE	50-12hr-10%	1.43	15.01	-0.077	1.43	1.57	1.10	0.90
P2	BASE	50-12hr-10%	2.52	19.67	2.909	2.52	2.26	2.52	1.32
P4	BASE	50-12hr-10%	1.77	7.69	-0.034	1.77	1.31	1.77	0.77
P5	BASE	50-12hr-10%	1.32	8.43	0.038	1.32	1.81	0.74	0.90
P6	BASE	50-12hr-10%	2.76	12.89	2.909	2.76	1.77	2.76	1.04
P7	BASE	50-12hr-10%	2.02	8.11	-0.034	2.02	1.35	2.02	0.80
W1	BASE	50-12hr-10%	1.43	15.08	-0.163	1.43	1.57	23.99	-0.08
W2	BASE	50-12hr-10%	2.52	74.77	-0.504	2.52	2.26	23.99	-0.08
W4	BASE	50-12hr-10%	1.77	87.73	-0.619	1.77	1.31	23.99	-0.08
W5	BASE	50-12hr-10%	1.32	59.67	-0.430	1.32	1.81	23.99	-0.08
W6	BASE	50-12hr-10%	2.76	252.45	5.966	2.76	1.77	23.99	-0.08
W7	BASE	50-12hr-10%	2.02	98.37	-0.712	2.02	1.35	23.99	-0.08
P1	BASE	50-12hr-90%	11.99	14.81	-0.051	11.99	1.55	11.33	0.90
P2	BASE	50-12hr-90%	11.99	18.85	2.909	11.99	2.21	11.99	1.29
P4	BASE	50-12hr-90%	11.99	7.43	-0.038	11.99	1.29	11.99	0.76
P5	BASE	50-12hr-90%	11.99	8.27	0.022	11.99	1.77	8.95	0.90
P6	BASE	50-12hr-90%	11.99	11.59	2.909	11.99	1.66	11.99	0.98
P7	BASE	50-12hr-90%	11.99	8.01	-0.045	11.99	1.34	11.99	0.79
W1	BASE	50-12hr-90%	11.99	12.38	0.128	11.99	1.55	24.01	-0.08
W2	BASE	50-12hr-90%	11.99	62.45	0.397	11.99	2.21	24.01	-0.08
W4	BASE	50-12hr-90%	11.99	81.10	-0.879	11.99	1.29	24.01	-0.08
W5	BASE	50-12hr-90%	11.99	48.76	-0.448	11.99	1.77	24.01	-0.08
W6	BASE	50-12hr-90%	11.99	205.02	5.966	11.99	1.66	24.01	-0.08
W7	BASE	50-12hr-90%	11.99	95.52	-1.103	11.99	1.34	24.01	-0.08
P1	BASE	50-1hr-10%	1.00	9.07	-0.038	1.00	1.03	1.00	0.54
P2	BASE	50-1hr-10%	1.00	3.38	2.909	1.00	0.82	1.00	0.47

P4	BASE	50-1hr-10%	1.00	4.75	-0.040	1.00	1.00	1.00	0.58
P5	BASE	50-1hr-10%	0.93	7.80	0.034	0.93	1.65	0.71	0.90
P6	BASE	50-1hr-10%	1.00	3.37	2.909	1.00	0.82	1.00	0.47
P7	BASE	50-1hr-10%	1.00	3.88	-0.024	1.00	0.89	1.00	0.51
W1	BASE	50-1hr-10%	0.00	0.00	0.000	1.00	1.03	2.00	-0.10
W2	BASE	50-1hr-10%	0.00	0.00	0.000	1.00	0.82	2.00	-0.10
W4	BASE	50-1hr-10%	1.00	27.62	-0.582	1.00	1.00	2.00	-0.10
W5	BASE	50-1hr-10%	0.93	24.94	-0.530	0.93	1.65	2.00	-0.10
W6	BASE	50-1hr-10%	1.00	10.06	5.966	1.00	0.82	2.00	-0.10
W7	BASE	50-1hr-10%	1.00	15.55	-0.274	1.00	0.89	2.00	-0.10
P1	BASE	50-1hr-90%	1.00	1.43	0.029	1.00	0.33	1.00	0.12
P2	BASE	50-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	50-1hr-90%	1.00	0.28	0.007	1.00	0.20	1.00	0.05
P5	BASE	50-1hr-90%	1.00	1.85	0.026	1.00	0.58	1.00	0.30
P6	BASE	50-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	50-1hr-90%	1.00	0.04	0.001	1.00	0.07	1.00	-0.04
W1	BASE	50-1hr-90%	0.00	0.00	0.000	1.00	0.33	2.00	-0.10
W2	BASE	50-1hr-90%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	50-1hr-90%	0.00	0.00	0.000	1.00	0.20	2.00	-0.10
W5	BASE	50-1hr-90%	0.00	0.00	0.000	1.00	0.58	2.00	-0.10
W6	BASE	50-1hr-90%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	50-1hr-90%	0.00	0.00	0.000	1.00	0.07	2.00	-0.10
P1	BASE	50-24hr-10%	1.58	14.82	-0.074	1.58	1.55	1.23	0.90
P2	BASE	50-24hr-10%	2.81	19.52	2.909	2.81	2.25	2.81	1.32
P4	BASE	50-24hr-10%	2.01	7.41	0.026	2.01	1.29	2.01	0.76
P5	BASE	50-24hr-10%	1.51	8.34	0.041	1.51	1.79	0.79	0.90
P6	BASE	50-24hr-10%	3.07	12.81	2.909	3.07	1.76	3.07	1.04
P7	BASE	50-24hr-10%	2.28	7.90	0.022	2.28	1.33	2.23	0.79
W1	BASE	50-24hr-10%	1.58	12.46	0.109	1.58	1.55	48.01	-0.05
W2	BASE	50-24hr-10%	2.81	72.20	0.467	2.81	2.25	48.01	-0.05
W4	BASE	50-24hr-10%	2.01	80.81	-0.351	2.01	1.29	48.01	-0.05
W5	BASE	50-24hr-10%	1.51	53.22	0.288	1.51	1.79	48.01	-0.05
W6	BASE	50-24hr-10%	3.07	249.54	5.966	3.07	1.76	48.01	-0.05
W7	BASE	50-24hr-10%	2.28	92.84	-0.401	2.28	1.33	48.01	-0.05
P1	BASE	50-24hr-90%	23.99	15.04	0.052	23.99	1.58	22.89	0.90
P2	BASE	50-24hr-90%	23.99	20.11	2.909	23.99	2.29	23.99	1.34
P4	BASE	50-24hr-90%	23.99	7.98	-0.045	23.99	1.34	23.99	0.79
P5	BASE	50-24hr-90%	23.99	8.37	0.026	23.99	1.79	19.74	0.90
P6	BASE	50-24hr-90%	23.99	13.15	2.909	23.99	1.79	23.99	1.05
P7	BASE	50-24hr-90%	23.99	8.78	-0.055	23.99	1.42	23.99	0.84
W1	BASE	50-24hr-90%	23.99	15.46	-0.131	23.99	1.58	48.01	-0.05
W2	BASE	50-24hr-90%	23.99	81.39	0.489	23.99	2.29	48.01	-0.05
W4	BASE	50-24hr-90%	23.99	94.89	-1.093	23.99	1.34	48.01	-0.05
W5	BASE	50-24hr-90%	23.99	55.40	-0.535	23.99	1.79	48.01	-0.05
W6	BASE	50-24hr-90%	23.99	262.37	5.966	23.99	1.79	48.01	-0.05
W7	BASE	50-24hr-90%	23.99	116.43	-1.449	23.99	1.42	48.01	-0.05
P1	BASE	50-6hr-10%	1.25	15.15	-0.077	1.25	1.59	1.00	0.90
P2	BASE	50-6hr-10%	2.17	19.14	2.909	2.12	2.22	2.17	1.30
P4	BASE	50-6hr-10%	1.51	7.75	-0.030	1.51	1.32	1.51	0.78
P5	BASE	50-6hr-10%	1.19	8.51	0.040	1.19	1.83	0.71	0.90
P6	BASE	50-6hr-10%	2.34	12.04	2.909	2.34	1.70	2.34	1.00
P7	BASE	50-6hr-10%	1.69	7.97	-0.030	1.69	1.34	1.69	0.79
W1	BASE	50-6hr-10%	1.25	17.06	0.198	1.25	1.59	12.00	-0.09
W2	BASE	50-6hr-10%	2.12	66.55	0.472	2.12	2.22	12.00	-0.09
W4	BASE	50-6hr-10%	1.51	89.10	-0.559	1.51	1.32	12.00	-0.09
W5	BASE	50-6hr-10%	1.19	65.61	-0.436	1.19	1.83	12.00	-0.09
W6	BASE	50-6hr-10%	2.34	221.37	5.966	2.34	1.70	12.00	-0.09
W7	BASE	50-6hr-10%	1.69	94.55	-0.606	1.69	1.34	12.00	-0.09
P1	BASE	50-6hr-90%	5.99	14.75	-0.051	5.99	1.54	5.52	0.90
P2	BASE	50-6hr-90%	5.99	17.54	2.909	5.99	2.11	5.99	1.24
P4	BASE	50-6hr-90%	5.99	7.24	-0.045	5.99	1.27	5.99	0.75
P5	BASE	50-6hr-90%	5.99	8.27	0.036	5.99	1.77	4.24	0.90
P6	BASE	50-6hr-90%	5.99	10.01	2.909	5.99	1.53	5.99	0.90
P7	BASE	50-6hr-90%	5.99	7.52	-0.049	5.99	1.30	5.99	0.76
W1	BASE	50-6hr-90%	5.99	11.63	-0.121	5.99	1.54	12.00	-0.09
W2	BASE	50-6hr-90%	5.99	45.15	0.440	5.99	2.11	12.00	-0.09
W4	BASE	50-6hr-90%	5.99	76.53	-1.010	5.99	1.27	12.00	-0.09
W5	BASE	50-6hr-90%	5.99	48.78	-0.558	5.99	1.77	12.00	-0.09
W6	BASE	50-6hr-90%	5.99	152.84	5.966	5.99	1.53	12.00	-0.09

W7	BASE	50-6hr-90%	5.99	83.57	-1.140	5.99	1.30	12.00	-0.09
P1	BASE	5yr-12hr-10%	2.13	10.85	-0.055	2.13	1.15	2.08	0.61
P2	BASE	5yr-12hr-10%	3.11	14.55	2.909	3.11	1.90	3.11	1.12
P4	BASE	5yr-12hr-10%	2.03	5.02	0.022	2.03	1.03	2.03	0.60
P5	BASE	5yr-12hr-10%	1.59	7.73	-0.040	1.59	1.63	1.17	0.90
P6	BASE	5yr-12hr-10%	3.03	7.67	2.909	3.03	1.31	2.95	0.77
P7	BASE	5yr-12hr-10%	2.31	5.00	0.020	2.31	1.03	2.31	0.60
W1	BASE	5yr-12hr-10%	0.00	0.00	0.000	2.13	1.15	24.00	-0.08
W2	BASE	5yr-12hr-10%	3.11	16.57	0.186	3.11	1.90	24.00	-0.08
W4	BASE	5yr-12hr-10%	2.03	31.94	-0.157	2.03	1.03	24.00	-0.08
W5	BASE	5yr-12hr-10%	1.59	22.15	0.175	1.59	1.63	24.00	-0.08
W6	BASE	5yr-12hr-10%	3.03	87.24	5.966	3.03	1.31	24.00	-0.08
W7	BASE	5yr-12hr-10%	2.31	31.65	0.199	2.31	1.03	24.00	-0.08
P1	BASE	5yr-12hr-90%	12.00	10.95	0.038	12.00	1.16	11.99	0.61
P2	BASE	5yr-12hr-90%	12.00	13.08	2.909	12.00	1.78	12.00	1.05
P4	BASE	5yr-12hr-90%	12.00	5.14	-0.039	12.00	1.04	12.00	0.61
P5	BASE	5yr-12hr-90%	12.00	7.68	0.027	12.00	1.62	10.54	0.90
P6	BASE	5yr-12hr-90%	12.00	7.08	2.909	12.00	1.25	12.00	0.74
P7	BASE	5yr-12hr-90%	12.00	5.21	-0.041	12.00	1.05	12.00	0.62
W1	BASE	5yr-12hr-90%	0.00	0.00	0.000	12.00	1.16	23.99	-0.08
W2	BASE	5yr-12hr-90%	12.00	7.81	0.180	12.00	1.78	23.99	-0.08
W4	BASE	5yr-12hr-90%	12.00	33.93	-0.630	12.00	1.04	23.99	-0.08
W5	BASE	5yr-12hr-90%	12.00	20.67	-0.342	12.00	1.62	23.99	-0.08
W6	BASE	5yr-12hr-90%	12.00	72.81	5.966	12.00	1.25	23.99	-0.08
W7	BASE	5yr-12hr-90%	12.00	35.16	-0.662	12.00	1.05	23.99	-0.08
P1	BASE	5yr-1hr-10%	1.00	3.92	-0.027	1.00	0.60	1.00	0.32
P2	BASE	5yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	5yr-1hr-10%	1.00	2.85	-0.021	1.00	0.74	1.00	0.43
P5	BASE	5yr-1hr-10%	1.00	6.24	-0.025	1.00	1.29	1.00	0.67
P6	BASE	5yr-1hr-10%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	5yr-1hr-10%	1.00	0.64	0.011	1.00	0.32	1.00	0.11
W1	BASE	5yr-1hr-10%	0.00	0.00	0.000	1.00	0.60	2.00	-0.10
W2	BASE	5yr-1hr-10%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	5yr-1hr-10%	1.00	5.55	-0.144	1.00	0.74	2.00	-0.10
W5	BASE	5yr-1hr-10%	1.00	0.07	0.012	1.00	1.29	2.00	-0.10
W6	BASE	5yr-1hr-10%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	5yr-1hr-10%	0.00	0.00	0.000	1.00	0.32	2.00	-0.10
P1	BASE	5yr-1hr-90%	1.00	0.29	0.012	1.00	0.14	1.00	0.00
P2	BASE	5yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P4	BASE	5yr-1hr-90%	1.00	0.04	0.002	1.00	0.07	1.00	-0.04
P5	BASE	5yr-1hr-90%	1.00	0.48	0.016	1.00	0.27	1.00	0.08
P6	BASE	5yr-1hr-90%	0.00	2.91	2.909	0.00	0.75	0.00	0.43
P7	BASE	5yr-1hr-90%	1.00	0.00	0.000	1.00	0.02	1.00	-0.09
W1	BASE	5yr-1hr-90%	0.00	0.00	0.000	1.00	0.14	2.00	-0.10
W2	BASE	5yr-1hr-90%	0.00	0.00	0.000	0.00	0.75	2.00	-0.10
W4	BASE	5yr-1hr-90%	0.00	0.00	0.000	1.00	0.07	2.00	-0.10
W5	BASE	5yr-1hr-90%	0.00	0.00	0.000	1.00	0.27	2.00	-0.10
W6	BASE	5yr-1hr-90%	0.00	5.97	5.966	0.00	0.75	2.00	-0.10
W7	BASE	5yr-1hr-90%	0.00	0.00	0.000	1.00	0.02	2.00	-0.10
P1	BASE	5yr-24hr-10%	2.54	9.54	-0.042	2.54	1.07	2.45	0.56
P2	BASE	5yr-24hr-10%	3.63	14.39	2.909	3.63	1.88	3.63	1.11
P4	BASE	5yr-24hr-10%	2.52	4.73	0.020	2.52	0.99	2.52	0.58
P5	BASE	5yr-24hr-10%	2.00	7.58	-0.039	2.00	1.59	1.35	0.90
P6	BASE	5yr-24hr-10%	3.56	7.48	2.909	3.56	1.29	3.56	0.76
P7	BASE	5yr-24hr-10%	3.00	4.77	0.021	3.00	1.00	3.00	0.58
W1	BASE	5yr-24hr-10%	0.00	0.00	0.000	2.54	1.07	48.00	-0.05
W2	BASE	5yr-24hr-10%	3.63	15.45	0.173	3.63	1.88	48.00	-0.05
W4	BASE	5yr-24hr-10%	2.52	27.19	-0.119	2.52	0.99	48.00	-0.05
W5	BASE	5yr-24hr-10%	2.00	17.24	0.145	2.00	1.59	48.00	-0.05
W6	BASE	5yr-24hr-10%	3.56	82.24	5.966	3.56	1.29	48.00	-0.05
W7	BASE	5yr-24hr-10%	3.00	27.85	0.169	3.00	1.00	48.00	-0.05
P1	BASE	5yr-24hr-90%	23.99	11.95	0.052	23.99	1.24	23.99	0.64
P2	BASE	5yr-24hr-90%	23.99	15.30	2.909	23.99	1.95	23.99	1.15
P4	BASE	5yr-24hr-90%	23.99	5.45	-0.037	23.99	1.08	23.99	0.63
P5	BASE	5yr-24hr-90%	23.99	7.75	0.025	23.99	1.63	21.91	0.90
P6	BASE	5yr-24hr-90%	23.99	8.06	2.909	23.99	1.35	23.99	0.79
P7	BASE	5yr-24hr-90%	23.99	5.69	-0.041	23.99	1.11	23.99	0.65
W1	BASE	5yr-24hr-90%	0.00	0.00	0.000	23.99	1.24	48.00	-0.05
W2	BASE	5yr-24hr-90%	23.99	22.38	0.225	23.99	1.95	48.00	-0.05

W4	BASE	5yr-24hr-90%	23.99	39.44	-0.624	23.99	1.08	48.00	-0.05
W5	BASE	5yr-24hr-90%	23.99	22.93	-0.314	23.99	1.63	48.00	-0.05
W6	BASE	5yr-24hr-90%	23.99	97.23	5.966	23.99	1.35	48.00	-0.05
W7	BASE	5yr-24hr-90%	23.99	43.71	-0.719	23.99	1.11	48.00	-0.05
P1	BASE	5yr-6hr-10%	1.71	11.15	-0.046	1.71	1.17	1.67	0.62
P2	BASE	5yr-6hr-10%	2.69	13.58	2.909	2.69	1.82	2.69	1.07
P4	BASE	5yr-6hr-10%	1.67	5.13	0.026	1.67	1.04	1.67	0.61
P5	BASE	5yr-6hr-10%	1.36	7.83	0.040	1.36	1.65	1.03	0.90
P6	BASE	5yr-6hr-10%	2.50	7.25	2.909	2.50	1.27	2.50	0.75
P7	BASE	5yr-6hr-10%	1.86	4.95	0.023	1.86	1.02	1.86	0.60
W1	BASE	5yr-6hr-10%	0.00	0.00	0.000	1.71	1.17	12.00	-0.09
W2	BASE	5yr-6hr-10%	2.69	10.38	0.135	2.69	1.82	12.00	-0.09
W4	BASE	5yr-6hr-10%	1.67	33.76	0.170	1.67	1.04	12.00	-0.09
W5	BASE	5yr-6hr-10%	1.36	26.32	0.244	1.36	1.65	12.00	-0.09
W6	BASE	5yr-6hr-10%	2.50	76.84	5.966	2.50	1.27	12.00	-0.09
W7	BASE	5yr-6hr-10%	1.86	30.87	0.232	1.86	1.02	12.00	-0.09
P1	BASE	5yr-6hr-90%	6.00	10.36	-0.039	6.00	1.12	6.00	0.59
P2	BASE	5yr-6hr-90%	6.00	6.83	2.909	6.00	1.23	6.00	0.72
P4	BASE	5yr-6hr-90%	6.00	5.01	-0.037	6.00	1.03	6.00	0.60
P5	BASE	5yr-6hr-90%	6.00	7.71	0.037	6.00	1.62	5.13	0.90
P6	BASE	5yr-6hr-90%	6.00	5.82	2.909	6.00	1.12	6.00	0.66
P7	BASE	5yr-6hr-90%	6.00	4.84	-0.034	6.00	1.01	6.00	0.59
W1	BASE	5yr-6hr-90%	0.00	0.00	0.000	6.00	1.12	12.01	-0.09
W2	BASE	5yr-6hr-90%	0.00	0.00	0.000	6.00	1.23	12.01	-0.09
W4	BASE	5yr-6hr-90%	6.00	31.76	-0.575	6.00	1.03	12.01	-0.09
W5	BASE	5yr-6hr-90%	6.00	21.51	-0.360	6.00	1.62	12.01	-0.09
W6	BASE	5yr-6hr-90%	6.00	46.11	5.966	6.00	1.12	12.01	-0.09
W7	BASE	5yr-6hr-90%	6.00	28.91	-0.506	6.00	1.01	12.01	-0.09