TECHNICAL MEMORANDUM

FEMA Building Resilient Infrastructure and Communities Grant Program

City of Fayetteville, NC

Person & Russell St. Bridge and Stream Restoration

Benefit-Cost Analysis Methodology

January 6, 2023

TECHNICAL MEMORANDUM

Prepared for:

City of Fayetteville, NC

Prepared by:

Jonathan Trimble
Sandra Maw

5420 Wade Park Blvd
Suite 350
Raleigh, NC 27607

Date:

January 6, 2023

Contents

Appendices

Tables

Figures

1. PROJECT OVERVIEW

This technical memorandum identifies the data and methodology used to complete a benefit cost analysis (BCA) for the Fayetteville – Person & Russell St. Bridge and Stream Restoration project. The project will mitigate stormwater flooding through bridge improvements, by stabilizing streambank erosion, and providing additional stormwater storage within the floodplain. These mitigation actions will reduce flooding of existing transportation assets, 505 structures, and provide nature-based stream enhancements for approximately 4,000 LF of Blounts Creek.

Benefits were captured as avoided losses from stormwater flooding and were quantified in dollar terms for the purposes of this BCA. The following methodology outlines the steps that were taken to calculate a BCA ratio of **2.27** with $23,049,028 in total mitigation costs (including $107,806 per year in maintenance) and $52,238,793 in benefits.

1.1 Project Background

Fayetteville is the largest city in Cumberland County, North Carolina and is most notably home to Fort Bragg, a major U.S. Army installation. Strategically located in the Upper Coastal Plains section of North Carolina, it is distinctively known as the "Sandhills". The incorporated area of the City of Fayetteville is approximately 148 square miles, however, approximately 54 square miles of the City consist of land within Fort Bragg. Since the area of Fort Bragg is excluded from local oversight, the remaining area of approximately 94 square miles falls under the authority of the City. This massive area contains complex natural and built water systems that both provide and control water flows throughout Fayetteville. As part of the City's Municipal Separate Storm Sewer System (MS4), the stormwater system is composed of curbs, gutters, catch basins, culverts, pipes, and ditches that collect and convey stormwater for discharge to receiving streams. There are an estimated 576 miles of storm drainpipe and 22,115 catch basins and drop inlets located throughout Fayetteville.

Within the County, there are thirty dams forming lakes or ponds. Nearly 75,000 acres of the land within the County is in the 100-yr or 500-yr special flood hazard area. The geography and topography of the city makes this region particularly vulnerable to pluvial and, often, fluvial flooding. There are several significant natural flowing bodies of water including the Carver's Falls on Carver Creek- a tributary of the Cape Fear northeast of the city limits, as well as the Blount Creek which flows through Fayetteville into the Cape Fear River Basin and empties into the Atlantic Ocean. Although the natural alignment of many receiving streams has been altered over the past century, many of the stream banks remain mostly vegetated. Stream banks that were armored with riprap as a result of previous stream bank stabilization efforts are currently allowed to re-vegetate naturally. Because of this unique water system, much of the City is at risk of flooding due to extreme precipitation events and overtopping of local rivers, creeks, and streams. There is clear evidence that storm events are becoming stronger and happening more frequently, thus placing regions with extensive watersheds at increased risk of future flooding. Climate related changes are expected to bring warmer temperatures that are predicted to escalate the intensity of storm events, therefore pushing the City's aging infrastructure to the brink and challenging its ability to reliably operate during extreme conditions. The proposed Russell Person St Bridge and Stream Improvement Project aims to prevent and mitigate against these future hazards, while also providing additional protection to the

various disadvantaged communities within the project area as well as low-lying portions of the city as a whole.

Fayetteville consists of diverse population of approximately 208,778 residents. While the County itself already scores relatively high on the CDC Social Vulnerability Index (SVI), the project area is primarily located within Census Tract 2 and 38 having SVI scores of 0.9977 and 0.9398 respectively, indicating that significant portions of the city's population is unable to adequately prepare for and respond to the stress of hazardous events including natural disasters. With nearly 19% of the total population at or below the poverty line and approximately 12% of the population identified as disabled, these are just some of populations that will be most affected by current flood hazards. Widespread flooding to residential homes, particularly in vulnerable locations, will continue to be a major threat if not addressed adequately.

The area being mitigated by the proposed project encompasses mixed residential, commercial, and industrial zoned properties at the eastern edge of Fayetteville between Person Street and Gillespie Street, along Blounts Creek, immediately west of the Cape Fear River as shown in Figure 1. As the City is expected to experience higher quantities of rain in shorter durations of time, new challenges will arise to test the City's stormwater management systems. This area specifically remains vulnerable to extreme precipitation events that cause overtopping of Blounts Creek and threaten residential, and non-residential structures, as well as several surface streets and a rail line. The urgency and necessity of upgrading existing infrastructure is critical to protecting and ensuring residential and commercial properties are resilient and can withstand these flood and climate change impacts.

Figure 1. Project Location

1.2 Proposed Mitigation Action

This project involves four primary components:

1. The replacement of the Person St. bridge over Blounts Creek with a longer bridge and roadway approaches. This will include providing a tie-in to the proposed roundabout project under design at the intersection of Old Wilmington St. and Person St.
2. The replacement of the Russell St. bridges (EB and WB) with a longer bridge and roadway approaches.
3. The replacement of the CSX railroad bridge that runs between the Russell St. bridges with a longer structure.
4. Stream enhancements for floodplain management and stream restoration along Blounts Creek for approximately 4000 feet starting approximately 300' downstream of the Person St. crossing and ending at the downstream side of South Cool Spring St.

The identified impacts of past and predicted flooding create stream erosion, disconnections of dwellings, traverse flooding of existing transportation networks, and adverse impacts to residents. The project will replace bridges that are nearing the end of their useful life, minimize future flooding, and improve the flood capacity and water quality along Blounts Creek.

2. FEMA GUIDANCE AND SOFTWARE

The following narrative provides the methodology used to obtain the Russell-Person St Bridge and Stream Improvement Project BCR. Following the FEMA BCA Reference Guide and Supplement, this analysis uses stormwater modeling and expected damages of statistical determinations of likely occurrence and associated damages during expected 5-, 10-, 25-, 50-, and 100-year events. The BCA for this project was primarily guided by FEMA's BCA Reference Guide and Supplement and the BCA Toolkit Version 6.0.

This project mitigates stormwater flooding to a variety of buildings and roadways. Therefore, the BCA Toolkit and this BCA Methodology document are set up to reflect the impacted structures. Mitigation Actions were added to the Toolkit based on impacted structure type, including roads, residences, and non-residential buildings. The number (map marker) and property type of each Mitigation Action in the Toolkit and its associated building(s) or roadway is shown in Table 1. The benefits from these ten Mitigation Actions are aggregated in the Toolkit to determine the overall project BCR.

Table 1. BCA Toolkit Setup Based on Structure Type

BCA Toolkit Mitigation Action Number	BCA Toolkit Property Type
1	Residential Building
2	Non-Residential Building

3. HISTORIC EVENTS

In accordance with the FEMA BCA Reference Guide and Supplement, expected loss data can be used to calculate benefits for the BCA. While frequent stormwater flooding has occurred annually at the site, there is insufficient documentation of these flood events to use historic damages as the basis of this BCA. Therefore, expected damages were calculated based on engineering models. Project engineers provided H&H and stormwater modeling that calculated the extent and depth of flooding for the 5-, 10-, 25-, 50-,

and 100-year rainfall events, based on topography, drainage, and storm sewer capacity in the area. This stormwater model was used to determine the impacts associated with each expected flood event.

4. PROJECT AND MAINTENANCE COSTS

The total project and annual maintenance costs for implementing the proposed mitigation project is provided in Table 2 below. Maintenance costs for the project were calculated as $107,806 per year. These costs include maintenance activities for both the grey and green infrastructure elements of this project.

The proposed project cost is $21,561,225. Additional information on maintenance costs and activities, and the line-item construction costs can be found in the full project application.

Table 2. Mitigation Project and Maintenance Costs

Mitigation Activity	Project Cost	Annual Maintenance Cost
Russell-Person St Bridge and Stream Improvement Project	$21,561,225	$107,806

5. PROJECT USEFUL LIFE

According to the FEMA BCA Reference Guide – Project Useful Life Table (**Appendix B**), a design life of 50 years should be applied for drainage systems, roads, and bridges. As such, a useful life of 50 years was used for the City of Fayetteville drainage improvement mitigation measures in the BCA Toolkit.

6. STORMWATER MODELING

This section contains information on the engineer-provided stormwater model that determined inundation area and flood depths for the 5-, 10-, 25-, 50-, and 100-year rainfall events. Flood extent and depths provided the basis for identifying impacted structures and calculating losses associated with each expected event.

HEC-HMS [MS1] software was utilized to calculate runoff values for the 24-hour design rainfall events using meteorologic data obtained from NOAA Atlas 14, Vol 2, Ver 3. The outputs included runoffs for the 2-year, 5-year, 10-year, 25-year, 50-year, and 100-year at key locations. The runoffs at the key locations were utilized to create the steady flow data for the hydraulic model in HEC-RAS software. The existing conditions hydraulic model was created, using both surveyed and lidar data as well as existing models, to determine both the magnitude of the existing flooding and the potential factors that exacerbate existing flooding. The results of the existing model were used to create rasters using RASMapper to show the buildings, roads, and land currently impacted by flooding of Blounts Creek. Observing the existing model, several proposed models were created addressing situations that were deemed to play a significant role in the existing flooding of Blounts Creek. Rasters were created from the proposed model results and compared to the existing rasters to see the impact each solution had on flooding issues. Of the multiple proposed solutions, it was determined that addressing the lack of flow area under the Russell and Persons bridges and the lack of flow area and storage between Persons and S. Cool Springs would provide the greatest impact to the existing flooding situation.

6.3 Level of Protection

The proposed project provides a 5-foot reduction in flood elevation just upstream of the Russell St. bridge during the 100-year event and as much as a 3-foot reduction for the 25-year event. These flood reductions translate to 270 structures being removed from risk during the 100-year event and significant reductions in risk for the 235 remaining impacted structures.

7. PHYSICAL DAMAGES

Direct physical damages include the degradation and destruction of property due to flood inundation that would occur should this project not take place. FEMA categorizes property loss as both structural damage (i.e., damage that applies to real property or buildings) and contents damage (i.e., damage to personal property or inventory). Analysts evaluated these losses at various flood depths for input into the BCA Toolkit. The following steps describe the analysis used to determine building and content losses for the buildings in the project area.

7.1 Data Sources

BCA analysts utilized the following data sources to calculate expected structure and contents losses avoided through this mitigation project:

- **Cumberland County Building Footprints (2022):** The building footprint data provided on Cumberland County Open Data website, represents the perimeter extent of buildings, and includes number of stories for most structures. Where stories were not provided a single story structure was assumed. Analysts created a project-specific structure ID, which is a unique number assigned to each building and used as the basis of analysis.
- **City of Fayetteville, NC Parcel Boundaries (2022)**: Parcel data maintained by Cumberland County published in March 2022 on http://data.nconemap.gov was used to attribute structure uses and addresses to building footprints.
- **RSMeans Replacement Cost Values (2021):** Analysts determined total building replacement values (BRVs) using standard values provided in the Hazus technical manual table 14.6. These values provided in 2021 dollars were adjusted for inflation to 2022 dollars using the BLS CPI Inflation calculator
- **FEMA Contents-to-Structure Ratio Values (CSRVs):** The 2011 FEMA BCA Reference Guide Supplement provides CSRVs based on building type, in the form of a percentage of BRV (Appendix E). This guidance states that when generic DDFs from USACE are used, 100% of the BRV can be used for residential structures.
- **FEMA Depth Damage Functions:** US Army Corps of Engineers (USACE) Generic Riverine Depth Damage Functions (DDFs) for residential and non-residential structures were used to determine the amount of damage to buildings and contents for each flood scenario. The DDFs were chosen based on the hazard and structure type of each building. DDFs used can be found in Appendix G.
- **Hazus Occupancy Classes:** Hazus is a nationally applicable standardized methodology that contains models for estimating potential losses from earthquakes, floods, and hurricanes and is used for structure occupancy classes for applying appropriate DDFs and replacement values.

7.2 Develop Asset Inventory

Analysts identified benefitting structures (e.g., the structures within the project area that are expected to be impacted by the 5-, 10-, 25-, 50, or 100--year rain events) and gathered building attributes necessary for examination, such as number of stories, total area, and building use, from building and parcel data, summarized in Table 3.

Table 3. Building and Parcel Attributes

Attribute	Analysis Use
Number of Floors	Used to apply DDFs and to estimate replacement values
Ground Elevation	Calculated as the minimum ground elevation within the building footprint, used to estimate flood depth for each event
Footprint area	Used as an estimate of the first-floor square footage
Building Area	Footprint area multiplied by number of floors, used to estimate replacement values
Use Code	Describes building use, mapped to Hazus occupancy classes
Basement Flag	Indicated the presence of a basement, assumed to be False for all buildings in the project area; used to apply DDFs

7.3 Determine Critical Flood Elevations

Mean ground elevation was determined for each structure using a LiDAR generated Digital Elevation Model (DEM). In the absence of data supporting the presence of basements for structures all structures were conservatively assumed to not have basements. Therefore to determine critical flood elevations for each structure mean ground elevation of the building footprint plus an 18-inch assumption for foundation height was used to determine critical flood elevations.

7.4 Building and Contents Replacement Values

Analysts determined building and contents replacement costs using standard RS Means 2021 replacement cost values provided in table 14.6 of the Hzus Technical Manual. The BRV per SF for each occupancy class can be found in Table 6. Fayetteville-specific use codes were mapped to occupancy classes as shown in Appendix F. Once the per-square foot values for structures was determined, these values were multiplied by the first-floor area to determine BRV.

Contents replacement value (CRV) is typically expressed as a percentage of BRV. To calculate the CRV, analysts multiplied the first-floor BRV by the CSVR, as determined by the BCA Toolkit Version 6.0. For residential properties, CRV is 100% of BRV.

Table 4. BRV and CRV Values, RS Means 2021

Occupancy Class	Definition	Local BRV per SF (2021)	CSVR
COM1	Retail Trade	$116.51	1
COM2	Wholesale Trade	$107.09	1
COM3	Personal and Repair Services	$144.30	1
COM4	Business/Professional/Technical Services	$188.14	1
COM8	Entertainment and Recreation	$240.42	1
COM10	Parking (Garages)	$61.65	0.5
EDU1	Schools/Libraries	$280.99	1
IND1	Heavy Industrial	$124.47	1.5
IND2	Light Industrial	$107.09	1.5
REL1	Church/Membershi Organizations/Non-Profit	$195.38	1
RES1x1	SF Dwelling 1-story	$271.03	1
RES1x2	SF Dwelling 2-story	$127.11	1
RES3B	Triplex/Quads	$258.70	1

7.5 Determine Flood Depths

To determine the flood depths, analysts subtracted the grade elevation from the flood elevation at each structure. This calculation yielded the flood depth per building per recurrence interval that was needed for input into Depth Damage Functions to determine the level of damage caused by each event.

7.6 Depth Damage Functions

Once BCA analysts established the expected flood depths at each building, US Army Corps of Engineers (USACE) Generic Riverine Depth Damage Functions (DDFs) were applied to determine the amount of damage to buildings and contents for each flood scenario. The DDFs were chosen based on the hazard and structure type of each building. All DDFs used in the analysis are included in Appendix G. This percentage is applied to a structure's BRV or CRV to produce a physical loss value in dollars, which was entered into the BCA Toolkit for each flood scenario.

7.7 Results

The relationship between flood depth and damage to buildings and contents provided by the DDFs were used to calculate the dollar value of physical damages associated with the 5-, 10-, 25-, 50-, and 100-year rainfall events before and after mitigation. These total losses for buildings and contents are shown in Table 5 below for pre-mitigation, and in Table 6 below for post-mitigation. These values were entered directly into the BCA Toolkit. Appendix H contains a detailed spreadsheet of these calculations.

Table 5. Building and Contents Damages, Before Mitigation

Recurrence Interval	Residential Building Damages	Residential Contents Damages	Commercial Building Damages	Commercial Contents Damages
5	$704,078.91	$400,102.65	$-	$-
10	$1,982,057.99	$1,125,792.08	$424,963.83	$819,143.89
25	$6,576,053.66	$3,741,898.15	$8,645,009.38	$18,527,158.67
50	$13,441,892.49	$9,701,635.13	$18,146,904.31	$38,214,271.38
100	$18,820,127.57	$14,832,735.26	$26,566,303.21	$56,009,691.79

Table 6. Building and Contents Damages, After Mitigation

Recurrence Interval	Residential Building Damages	Residential Contents Damages	Commercial Building Damages	Commercial Contents Damages
5	$486,183.70	$277,507.33	$-	$-
10	$1,302,987.45	$731,251.10	$66,664.71	$109,112.02
25	$2,639,764.95	$1,488,223.00	$4,626,643.73	$10,216,722.66
50	$3,931,566.30	$2,214,878.32	$7,396,989.24	$16,745,504.20
100	$6,815,830.46	$3,865,771.05	$12,264,180.91	$27,606,378.94

8. DISPLACEMENT COSTS

8.1 Data Sources

Residents of impacted structures may experience displacement costs during the time when a building becomes uninhabitable due to flood damage. Commercial relocation costs are associated with moving a business to a new location and resuming business in that new location. Residential relocation costs are associated with the temporary relocation to a hotel and are based on per-diem costs for lodging, meals, and incidentals. Relocation costs are derived from displacement time, which is obtained from DDFs that relate a depth of flooding to an amount of time a structure is not usable. BCA analysts used the following data sources when evaluating displacement costs:

- **Hazus-MH 3.2 Default One-time and Daily Disruption Costs**: Hazus provides national one-time and daily relocation costs per square foot based on Hazus occupancy class. These costs were provided in 2006 dollars and have been escalated to 2021 dollars based on inflation.

- **American Community Survey:** The American Community Survey (ACS) from the Census Bureau provides block group-level population and housing counts, using the 2021 5-year estimates (Appendix L). These counts were distributed to residential buildings within a block group, scaling based on total square footage of residential buildings. For instance, if a block group with 500 people had 2 residential buildings, one with a total area (including all floors) of 2,000 square feet and a second with 3,000 square feet, the first building would be assigned a scaled population of 200, while the second would be assigned 300 residents.
- **2020 FEMA BCA Standard Economic Value Methodology Report:** FEMA recommends a value of $7 per person per day (in 2021 dollars) to represent the cost of food at home.
- **US General Services Administration**: Per recommendations from the 2021 FEMA BCA Standard Economic Value Methodology Report, per-diem lodging and meals and incidental expenses (M&IE) values for the project area were pulled from the US General Services Administration. Values for Cumberland County were averaged, across all months provided for FY21, resulting in a per-diem lodging cost of $118 and M&IE cost of $64.00.
- **Flood Depth**: Flood impacts were modelled for different flood scenarios to determine which structures are expected to flood and the depth of flooding within the structure (see Section 7).
- **Bureau of Labor Statistics Consumer Price Index Inflation Calculator:** The Consumer Price Index (CPI) is a measure of the average change over time in the prices paid by urban consumers for a market basket of consumer goods and services. The CPI Calculator was used to escalate the default one-time and daily disruption costs from Hazus.

8.2 Approach

The following approach was used to calculate displacement costs for all events before mitigation.

1. **Identify Impacted Structures:** The direct physical damages analysis identified structures expected to be impacted for each of the flood events. The impacted structures were those that had at least 10% of their building footprint within the floodplain of the event.
2. **Identify Impacted Square Footage:** The total impacted square footage is the area of the ground floor of the building. This value was determined in the physical damages analysis by taking the total building area provided by the assessor database and dividing it by the total number of floors.
3. **Evaluate Displacement Time:** The estimated flood depth within each structure is correlated to USACE depth displacement tables to estimate displacement time in days for each modeled flood scenario.
4. **Calculate One-Time and Daily Displacement Costs:** For commercial buildings, analysts used the Hazus standard values for one-time ($/sf) and daily ($/sf/day) displacement costs based on Hazus occupancy class to calculate the total displacement costs for each structure (Table 7). The Hazus values were multiplied by each building's first-floor area and for the daily value and by the number of days of displacement (from USACE DDFs). The one-time and daily displacement values were added together to calculate the total commercial displacement costs. Total displacement costs then equal:

Commercial Displacement Costs
$$= living\ area\ (sf)$$
$$\times\ [national\ rental\ cost\ (\$\ per\ sf\ per\ day)$$
$$\times\ displacement\ time\ (days)$$
$$+\ local\ one\ time\ disruption\ cost\ (\$\ per\ sf)]$$

Table 7. Displacement Costs by Hazus Occupancy Class

Occupancy Class	National One-time Disruption Cost per SF (2021)	Monthly Rental Cost per Day per SF (2021)
COM1	$1.45	$1.61
COM2	$1.26	$0.67
COM4	$1.26	$1.89
COM7	$1.80	$1.89
EDU1	$1.26	$1.42
IND2	$1.26	$0.38

For residential buildings, analysts followed the methodology outlined in the 2020 FEMA BCA Standard Economic Value Methodology Report, indicating that displacement costs should represent the per-diem cost of lodging and M&IE, minus the cost of food at home, for the duration of displacement. The census data in each tract was scaled to the structural buildings total square footage to determine the size of each household. These values were then used to determine the number of days in a hotel, making the total residential displacement costs equal:

Residential Displacement Costs
$$= Displacement\ Time\ (days) \times \{Number\ of\ Households$$
$$\times Per\ Diem\ Lodging\ (\$\ per\ day)$$
$$+ Number\ of\ Residents$$
$$\times [Per\ Diem\ M\&EI\ (\$\ per\ day\ per\ person)$$
$$- Cost\ of\ Food\ at\ home\ (\$\ per\ day\ per\ person)]\}$$

8.3 Results

Table 8 shows the before mitigation results for displacement costs avoided aggregated for the residential and commercial structures, and Table 9 shows the results for after mitigation.

Table 8: Total Displacement Costs, Before Mitigation

Recurrence Interval	Total Displacement Costs Residential	Total Displacement Costs Commercial
5	$170,072.46	$-

10	$650,704.66	$4,795.62
25	$2,555,920.53	$429,569.73
50	$7,396,333.15	$990,411.95
100	$12,444,161.97	$1,411,475.79

Table 9: Total Displacement Costs, After Mitigation

Recurrence Interval	Total Displacement Costs Residential	Total Displacement Costs Commercial
5	$117,182.08	$-
10	$452,972.13	$4,788.22
25	$1,050,354.73	$266,323.43
50	$1,585,818.85	$439,389.42
100	$2,756,734.64	$581,525.46

9. ONE-TIME BENEFITS

11.1 Social Benefits

FEMA has determined that social benefits are eligible for projects that protect residential buildings, and therefore social benefits are included for residential structures in this BCA. As the project will reduce flood impacts to homes and apartment buildings, it will also reduce risks of mental stress and anxiety post-disaster. An economic value can be determined by completing inputs into the Toolkit. Analysts entered values for the number of residents and how many of those residents work into the Toolkit, which calculated a one-time value for expected annual social benefits.

As mentioned in Section 8.1, to determine the number of residents and workers in the project area, Analysts obtained population count and labor status data from the ACS 2021 5-year estimates for each block group in the project area. Counts of residents and workers were distributed to residential buildings within a block group, scaling based on total square footage of residential buildings.

The number of residents and the number who work were entered into the BCA Toolkit, and a one-time value for total expected annual social benefits of $58,183,412 was calculated.

Table 10. Calculation of Social Benefits

Building	Number of Residents	Number of Residents Who Work	Economic Value of Social Benefits
Total Residents	1,570	1,245	$14,711,830

11.2 Ecosystem Services Benefits

Ecosystem service benefits accrue when land use is changed or enhanced by a mitigation activity to provide a higher level of natural benefits. To determine the economic value for five land use types, FEMA developed a series of four ecosystem services categories and 19 subcategories that are applicable to hazard mitigation projects. BCA Toolkit users need to only enter the area that will be mitigated and select from the available land use types, and the Toolkit will use the FEMA-developed economic values to calculate the value of expected annual ecosystem services benefits.

This project will result in the stream enhancement and constructing additional green infrastructure on Person St enhancing riparian habitat. Therefore, BCA analysts included the area of stream enhancement and green space added by the green infrastructure to the Ecosystem Services section of the Toolkit. The values entered and resulting expected annual ecosystem services benefits are shown in Table 11 below.

Table 11. BCA Toolkit Calculation of Ecosystem Services Benefits

Ecosystem Services Field	Value
Total Project Area	13.01 acres
Green Open Space	7%
Expected Annual Ecosystem Services Benefits	**$33,877**

10.   RESULTS

The benefit-cost ratio for the project is listed in Table 12 below and represents the aggregated BCR for this project. Costs provided in the determination of the BCR include maintenance costs over the project useful life of the mitigation project. The total project BCR at the standard 7% discount rate is **2.27**, which demonstrates that the mitigation project is a cost-effective solution. In line with the October 6, 2022 Alternative Cost-Effectiveness Methodology for Fiscal Year 2022 BRIC and FMA Application Cycle Memorandum, this project also qualifies for use of the 3% discount rate based on primarily benefiting Census Tracts with CDC SVI scores greater than 0.6. Again, this alternative discount rate supports cost effectiveness with a BCR of **3.48**.   The BCA Report is provided in Appendix A and the BCA Excel Spreadsheet is attached to the project application.

Table 12. Russell-Person St Bridge and Stream Improvement Project Benefit-Cost Ratio

Description	Benefits	Costs	BCR
Russell-Person St Bridge and Stream Improvement Project (7% Discount Rate)	$52,238,793	$23,049,028	2.27
Russell-Person St Bridge and Stream Improvement Project (3% Discount Rate)	$84,676,156	$24,355,048	3.48

Appendix A

Benefit Cost Analysis Toolkit Export

![FEMA logo] **Benefit-Cost Calculator**

V.6.0 (Build 20230103.1822 | Release Notes)

Benefit-Cost Analysis

Project Name: Russel Person St Bridge and Stream Improvements

---

Leaflet | Tiles © Esri
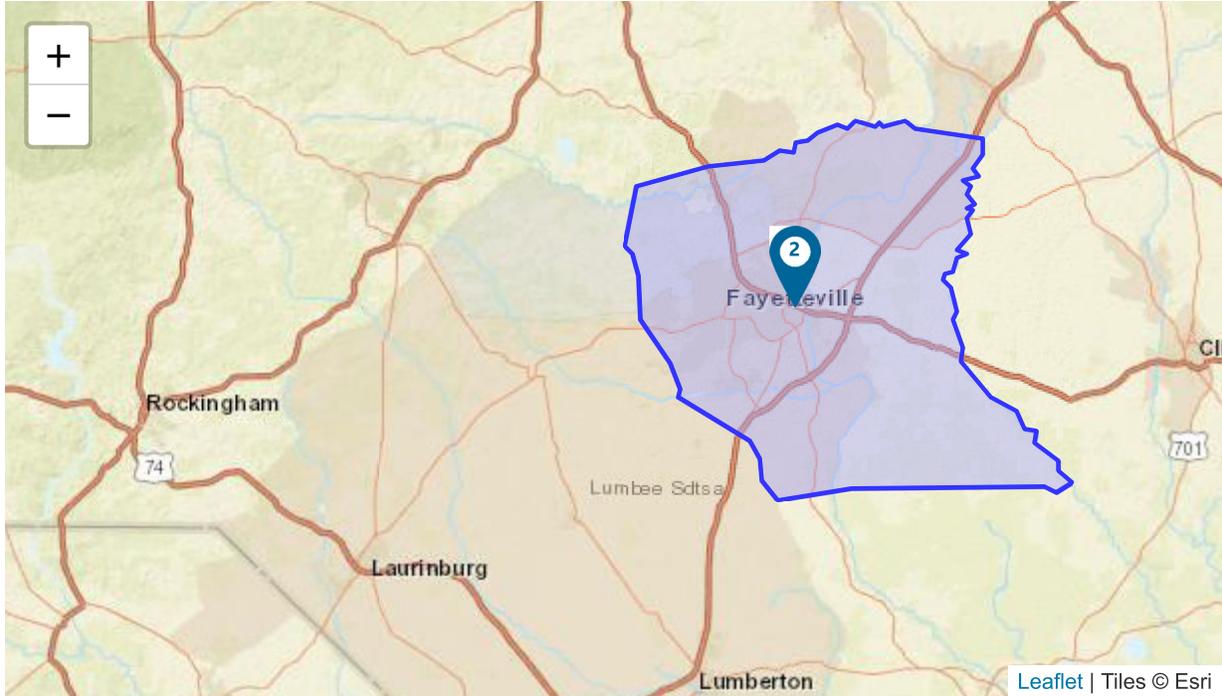
Map Marker ▲	Mitigation Title	Property Type	Hazard	Using 7% Discount Rate			Using 3% Discount Rate (For FY22 BRIC and FMA only)			
				Benefits (B)	Costs (C)	BCR (B/C)	Benefits (B)	Costs (C)	BCR (B/C)	
1	Drainage Improvement @ Fayetteville, North Carolina	🏠	DFA - Riverine Flood	$ 31,608,513	$ 23,049,028	1.37	$ 46,213,581	$ 24,335,048	1.90	
2	Drainage Improvement @ Fayetteville, North Carolina	🏭	DFA - Riverine Flood	$ 20,630,280	$ 0	0.00	$ 38,462,575	$ 0	0.00	
TOTAL (SELECTED)				**$ 52,238,793**	**$ 23,049,028**	**2.27**	**$ 84,676,156**	**$ 24,335,048**	**3.48**	
TOTAL				**$ 52,238,793**	**$ 23,049,028**	**2.27**	**$ 84,676,156**	**$ 24,335,048**	**3.48**	

Property Configuration

Property Title:	Drainage Improvement @ Fayetteville, North Carolina
Property Location:	28301, Cumberland, North Carolina
Property Coordinates:	35.05534, -78.87727
Hazard Type:	Riverine Flood
Mitigation Action Type:	Drainage Improvement
Property Type:	Residential Building
Analysis Method Type:	Professional Expected Damages

Cost Estimation
Drainage Improvement @ Fayetteville, North Carolina

Project Useful Life (years):	50
Project Cost:	$21,561,225
Number of Maintenance Years:	50 Use Default:Yes
Annual Maintenance Cost:	$107,806

Damage Analysis Parameters - Damage Frequency Assessment
Drainage Improvement @ Fayetteville, North Carolina

Year of Analysis was Conducted:	2022
Year Property was Built:	0
Analysis Duration:	10 Use Default:Yes

Professional Expected Damages Before Mitigation
Drainage Improvement @ Fayetteville, North Carolina

	OTHER	OPTIONAL DAMAGES			VOLUNTEER COSTS		TOTAL
Recurrence Interval (years)	Damages ($)	Contents ($)	Relocation ($)	Category 3 ($)	Number of Volunteers	Number of Days	Damages ($)
5	984,323.84	558,171.47	170,072.46	0	0	0	1,712,568
10	2,775,135.55	1,575,223.6	650,704.66	0	0	0	5,001,064
25	8,933,745.85	5,080,483.27	2,555,920.53	0	0	0	16,570,150
50	17,476,716.86	11,980,254.38	7,396,333.15	0	0	0	36,853,304
100	24,192,976.04	17,856,227.77	1,244,161.97	0	0	0	43,293,366

Annualized Damages Before Mitigation
Drainage Improvement @ Fayetteville, North Carolina

Annualized Recurrence Interval (years)	Damages and Losses ($)	Annualized Damages and Losses ($)
5	1,712,568	292,654
10	5,001,064	546,192
25	16,570,150	494,233
50	36,853,304	399,438
100	43,293,366	432,929
	Sum Damages and Losses ($)	Sum Annualized Damages and Losses ($)
	103,430,451	2,165,446

Professional Expected Damages After Mitigation
Drainage Improvement @ Fayetteville, North Carolina

	OTHER	OPTIONAL DAMAGES			VOLUNTEER COSTS		TOTAL
Recurrence Interval (years)	Damages ($)	Contents ($)	Relocation ($)	Category 3 ($)	Number of Volunteers	Number of Days	Damages ($)
5	692,391.05	395,016.99	117,182.08	0	0	0	1,204,590
10	1,867,382.09	1,047,016.83	452,972.13	0	0	0	3,367,371
25	3,746,155.63	2,111,309.61	1,050,354.73	0	0	0	6,907,820
50	5,616,288.68	3,168,443.77	1,585,818.85	0	0	0	10,370,551
100	9,642,196.61	5,478,389.56	2,756,734.64	0	0	0	17,877,321

Annualized Damages After Mitigation
Drainage Improvement @ Fayetteville, North Carolina

Annualized Recurrence Interval (years)	Damages and Losses ($)	Annualized Damages and Losses ($)
5	1,204,590	201,403
10	3,367,371	289,379
25	6,907,820	169,278
50	10,370,551	136,161
100	17,877,321	178,771
	Sum Damages and Losses ($)	Sum Annualized Damages and Losses ($)
	39,727,653	974,992

Standard Benefits - Ecosystem Services
Drainage Improvement @ Fayetteville, North Carolina

Total Project Area (acres):	13.01
Percentage of Urban Green Open Space:	0.00%
Percentage of Rural Green Open Space:	0.00%
Percentage of Riparian:	7.00%
Percentage of Coastal Wetlands:	0.00%
Percentage of Inland Wetlands:	0.00%
Percentage of Forests:	0.00%
Percentage of Coral Reefs:	0.00%
Percentage of Shellfish Reefs:	0.00%
Percentage of Beaches and Dunes:	0.00%
Expected Annual Ecosystem Services Benefits:	$33,877

Additional Benefits - Social
Drainage Improvement @ Fayetteville, North Carolina

Number of Workers:	1,245
Expected Annual Social Benefits:	$14,711,830

Benefits-Costs Summary
Drainage Improvement @ Fayetteville, North Carolina

Total Standard Mitigation Benefits:	$16,896,683
Total Social Benefits:	$14,711,830
Total Mitigation Project Benefits:	$31,608,513
Total Mitigation Project Cost:	$23,049,028
Benefit Cost Ratio - Standard:	0.73
Benefit Cost Ratio - Standard + Social:	1.37

Property Configuration

Property Title:	Drainage Improvement @ Fayetteville, North Carolina
Property Location:	28301, Cumberland, North Carolina
Property Coordinates:	35.05534000000006, -78.87726999999995
Hazard Type:	Riverine Flood
Mitigation Action Type:	Drainage Improvement
Property Type:	Non-Residential Building
Analysis Method Type:	Professional Expected Damages

Cost Estimation
Drainage Improvement @ Fayetteville, North Carolina

Project Useful Life (years):	50
Project Cost:	$0
Number of Maintenance Years:	50 Use Default:Yes
Annual Maintenance Cost:	$0

Damage Analysis Parameters - Damage Frequency Assessment
Drainage Improvement @ Fayetteville, North Carolina

Year of Analysis was Conducted:	2022
Year Property was Built:	0
Analysis Duration:	10 Use Default:Yes

Professional Expected Damages Before Mitigation
Drainage Improvement @ Fayetteville, North Carolina

	OTHER	OPTIONAL DAMAGES			VOLUNTEER COSTS		TOTAL
Recurrence Interval (years)	Damages ($)	Contents ($)	Relocation ($)	Category 3 ($)	Number of Volunteers	Number of Days	Damages ($)
10	427,213.19	822,502.97	4,795.62	0	0	0	1,254,512
25	8,670,090.66	18,582,317.6	431,022.51	0	0	0	27,683,431
50	18,222,565.47	38,375,068.98	993,227.55	0	0	0	57,590,862
100	26,713,698.71	56,307,638.36	1,415,310.51	0	0	0	84,436,648

Annualized Damages Before Mitigation
Drainage Improvement @ Fayetteville, North Carolina

Annualized Recurrence Interval (years)	Damages and Losses ($)	Annualized Damages and Losses ($)
10	1,254,512	353,589
25	27,683,431	798,577
50	57,590,862	697,336
100	84,436,648	844,358
	Sum Damages and Losses ($)	Sum Annualized Damages and Losses ($)
	170,965,452	2,693,860

Professional Expected Damages After Mitigation
Drainage Improvement @ Fayetteville, North Carolina

	OTHER	OPTIONAL DAMAGES			VOLUNTEER COSTS		TOTAL
Recurrence Interval (years)	Damages ($)	Contents ($)	Relocation ($)	Category 3 ($)	Number of Volunteers	Number of Days	Damages ($)
10	66,664.71	109,112.02	4,788.22	0	0	0	180,565
25	4,628,469.72	10,220,367.02	266,323.43	0	0	0	15,115,160
50	7,416,305.17	16,220,367.02	439,681.1	0	0	0	24,076,353
100	12,307,952.22	27,686,830.93	582,959.21	0	0	0	40,577,742

Annualized Damages After Mitigation
Drainage Improvement @ Fayetteville, North Carolina

Annualized Recurrence Interval (years)	Damages and Losses ($)	Annualized Damages and Losses ($)
10	180,565	99,123
25	15,115,160	381,533
50	24,076,353	312,564
100	40,577,742	405,773
	Sum Damages and Losses ($)	Sum Annualized Damages and Losses ($)
	79,949,821	1,198,993

Standard Benefits - Ecosystem Services
Drainage Improvement @ Fayetteville, North Carolina

Total Project Area (acres):	0
Percentage of Urban Green Open Space:	0.00%
Percentage of Rural Green Open Space:	0.00%
Percentage of Riparian:	0.00%
Percentage of Coastal Wetlands:	0.00%
Percentage of Inland Wetlands:	0.00%
Percentage of Forests:	0.00%
Percentage of Coral Reefs:	0.00%
Percentage of Shellfish Reefs:	0.00%
Percentage of Beaches and Dunes:	0.00%
Expected Annual Ecosystem Services Benefits:	$0

Benefits-Costs Summary
Drainage Improvement @ Fayetteville, North Carolina

Total Standard Mitigation Benefits:	$20,630,280
Total Social Benefits:	$0
Total Mitigation Project Benefits:	$20,630,280
Total Mitigation Project Cost:	$0
Benefit Cost Ratio - Standard:	0
Benefit Cost Ratio - Standard + Social:	0

Appendix B

Building Inventory

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_0122	R101-RES	Residential 1 Family	505	1.5
BCID_0176	R101-RES	Residential 1 Family	562	1
BCID_0177	R101-RES	Residential 1 Family	944	1
BCID_0351	R101-RES	Residential 1 Family	695	1
BCID_0382	R101-RES	Residential 1 Family	1071	1
BCID_0387	R101-RES	Residential 1 Family	799	1
BCID_0471	A101-APART	Apartment-Garden(1-3 Stories)	2488	1
BCID_0472	A101-APART	Apartment-Garden(1-3 Stories)	4491	1
BCID_0473	A101-APART	Apartment-Garden(1-3 Stories)	5389	1
BCID_0474	A101-APART	Apartment-Garden(1-3 Stories)	5385	1
BCID_0475	A101-APART	Apartment-Garden(1-3 Stories)	8938	1
BCID_0476	A101-APART	Apartment-Garden(1-3 Stories)	8934	1
BCID_0528	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1240	1
BCID_0529	R101-RES	Residential 1 Family	1564	1
BCID_0551	I166-INDUSTR	Other Misc MFG	7774	1
BCID_0552	R101-RES	Residential 1 Family	1257	1
BCID_0553	R101-RES	Residential 1 Family	1485	1
BCID_0563	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1286	1
BCID_0564	R100-RES	Residential Vacant	2480	1
BCID_0566	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	6572	1
BCID_0567	R101-RES	Residential 1 Family	1556	1
BCID_0568	R101-RES	Residential 1 Family	1179	1
BCID_0576	R101-RES	Residential 1 Family	1343	1
BCID_0577	R101-RES	Residential 1 Family	1179	1
BCID_0578	C359-SHOP/RE	Retail Multi Occupancy	5405	1
BCID_0579	E105-EXEMPT	Other Miscellaneous Exempt	13941	1
BCID_0582	R109-RES	Residential MMP Improvements	1062	1
BCID_0583	R101-RES	Residential 1 Family	1336	1
BCID_0584	R101-RES	Residential 1 Family	1024	1
BCID_0633	C121-AUTOMOT	Auto Service Garage	9616	1
BCID_0635	C457-STORAGE	Distribution Warehouse	14115	1
BCID_0646	C457-STORAGE	Distribution Warehouse	25124	1
BCID_0647	E117-EXEMPT	Improved Government Owned	28431	1
BCID_0648	C455-STORAGE	Warehouse	20012	1
BCID_0652	R101-RES	Residential 1 Family	856	1
BCID_0653	R101-RES	Residential 1 Family	776	1
BCID_0654	R101-RES	Residential 1 Family	1730	1
BCID_0655	R101-RES	Residential 1 Family	1287	1
BCID_0656	R101-RES	Residential 1 Family	1395	1
BCID_0674	C358-SHOP/RE	Retail Single Occupancy	6192	1
BCID_0675	C100-COMMERC	Commercial Land Vacant	12339	1
BCID_0676	C100-COMMERC	Commercial Land Vacant	6211	1
BCID_0677	R101-RES	Residential 1 Family	1290	1
BCID_0678	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	5727	1
BCID_0679	R101-RES	Residential 1 Family	660	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_0680	C300-OFFICE	Office Building Low Rise	4633	1
BCID_0681	R101-RES	Residential 1 Family	1737	1
BCID_0683	R101-RES	Residential 1 Family	1423	1
BCID_0684	R101-RES	Residential 1 Family	1132	1.5
BCID_0691	C457-STORAGE	Distribution Warehouse	4852	1
BCID_0701	I160-INDUSTR	Woodworking Shop	91383	1
BCID_0705	C458-STORAGE	Storage Garage	10082	1
BCID_0706	C458-STORAGE	Storage Garage	1425	1
BCID_0707	R102-RES	Residential 2 Family (Duplex)	1588	1
BCID_0708	R101-RES	Residential 1 Family	1297	1
BCID_0727	R101-RES	Residential 1 Family	944	1
BCID_0728	R101-RES	Residential 1 Family	1435	1
BCID_0729	R101-RES	Residential 1 Family	1293	1
BCID_0730	R101-RES	Residential 1 Family	1158	1
BCID_0732	R101-RES	Residential 1 Family	1217	1
BCID_0800	C122-AUTOMOT	Service Station with Bays	7392	1
BCID_0802	I100-INDUSTR	Industrial Tract Vacant	9679	1
BCID_0803	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	803	1
BCID_0805	E100-EXEMPT	Vacant Exempt Land	768	1
BCID_0856	R101-RES	Residential 1 Family	1483	1
BCID_0857	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1875	1
BCID_0861	R100-RES	Residential Vacant	1323	1
BCID_0868	C300-OFFICE	Office Building Low Rise	1895	2
BCID_0870	E117-EXEMPT	Improved Government Owned	5472	1
BCID_0872	C121-AUTOMOT	Auto Service Garage	4412	1
BCID_0873	R101-RES	Residential 1 Family	1082	1
BCID_0884	R101-RES	Residential 1 Family	1391	1
BCID_0886	R101-RES	Residential 1 Family	973	1
BCID_0887	R101-RES	Residential 1 Family	999	1
BCID_0888	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	3668	1
BCID_0899	R101-RES	Residential 1 Family	1505	1
BCID_0900	R101-RES	Residential 1 Family	1175	1
BCID_0909	R101-RES	Residential 1 Family	1032	1
BCID_0911	C101-COMMERC	Residential Strucutre on Commercial Valued Land	3440	1.5
BCID_0912	C101-COMMERC	Residential Strucutre on Commercial Valued Land	15501	1.5
BCID_0983	C358-SHOP/RE	Retail Single Occupancy	2662	1
BCID_1043	C121-AUTOMOT	Auto Service Garage	6594	1
BCID_1080	C455-STORAGE	Warehouse	13118	1
BCID_1081	R101-RES	Residential 1 Family	1303	1
BCID_1082	R101-RES	Residential 1 Family	834	1
BCID_1155	R101-RES	Residential 1 Family	2648	2
BCID_1157	C359-SHOP/RE	Retail Multi Occupancy	7599	1
BCID_1228	I148-INDUSTR	PRINT SHOP	10170	1
BCID_1255	R100-RES	Residential Vacant	41529	1
BCID_1264	E117-EXEMPT	Improved Government Owned	28860	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_1268	C121-AUTOMOT	Auto Service Garage	8041	1
BCID_1269	C100-COMMERC	Commercial Land Vacant	22771	1
BCID_1270	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1588	1
BCID_1271	C457-STORAGE	Distribution Warehouse	14602	1
BCID_1279	R101-RES	Residential 1 Family	2261	1
BCID_1281	R101-RES	Residential 1 Family	1482	1
BCID_1282	R101-RES	Residential 1 Family	2003	1
BCID_1285	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	3837	1
BCID_1286	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	1471	1
BCID_1287	R101-RES	Residential 1 Family	1550	1
BCID_1288	R101-RES	Residential 1 Family	2045	1
BCID_1289	C121-AUTOMOT	Auto Service Garage	12150	1
BCID_1290	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	10255	1
BCID_1294	R101-RES	Residential 1 Family	1453	1
BCID_1295	R101-RES	Residential 1 Family	1474	1
BCID_1296	R101-RES	Residential 1 Family	1427	1
BCID_1297	R101-RES	Residential 1 Family	1416	1
BCID_1298	R101-RES	Residential 1 Family	1505	1
BCID_1299	R101-RES	Residential 1 Family	1589	1
BCID_1300	R101-RES	Residential 1 Family	1645	1
BCID_1305	C454-STORAGE	Warehouse with Interior Office Space	40571	1
BCID_1306	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1530	1
BCID_1339	C454-STORAGE	Warehouse with Interior Office Space	33306	1
BCID_1340	R101-RES	Residential 1 Family	1534	1
BCID_1341	R101-RES	Residential 1 Family	1587	1
BCID_1342	R101-RES	Residential 1 Family	1387	1
BCID_1343	R101-RES	Residential 1 Family	1067	1
BCID_1344	R101-RES	Residential 1 Family	1620	1
BCID_1345	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	2505	1
BCID_1346	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	60418	1
BCID_1349	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1834	1
BCID_1352	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1345	1
BCID_1353	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1295	1
BCID_1354	C357-SHOP/RE	CONVENIENCE STORE	1098	1
BCID_1355	I112-INDUSTR	CONCRETE MFG.	4720	1
BCID_1363	E117-EXEMPT	Improved Government Owned	29758	1
BCID_1367	E113-EXEMPT	POLICE OR FIRE STATION	36110	1
BCID_1378	E105-EXEMPT	Other Miscellaneous Exempt	4149	1
BCID_1379	I125-INDUSTR	GLASS MFG.	13338	1
BCID_1385	C455-STORAGE	Warehouse	5458	1
BCID_1390	R101-RES	Residential 1 Family	1379	1
BCID_1391	R101-RES	Residential 1 Family	1326	1
BCID_1392	R101-RES	Residential 1 Family	1430	1
BCID_1393	R101-RES	Residential 1 Family	1443	1
BCID_1394	R101-RES	Residential 1 Family	1392	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_1395	R101-RES	Residential 1 Family	1735	1
BCID_1396	R101-RES	Residential 1 Family	1564	1
BCID_1397	R101-RES	Residential 1 Family	1587	1
BCID_1398	C457-STORAGE	Distribution Warehouse	19143	1
BCID_1399	C101-COMMERC	Residential Strucutre on Commercial Valued Land	2166	1
BCID_1401	R101-RES	Residential 1 Family	1373	1
BCID_1402	R101-RES	Residential 1 Family	916	1
BCID_1403	R101-RES	Residential 1 Family	1544	1
BCID_1404	R101-RES	Residential 1 Family	1425	1
BCID_1405	R101-RES	Residential 1 Family	1693	1
BCID_1406	R101-RES	Residential 1 Family	1654	1
BCID_1407	E100-EXEMPT	Vacant Exempt Land	2538	1
BCID_1408	R101-RES	Residential 1 Family	1719	1
BCID_1419	C359-SHOP/RE	Retail Multi Occupancy	17020	1
BCID_1420	C300-OFFICE	Office Building Low Rise	1226	1
BCID_1421	C121-AUTOMOT	Auto Service Garage	13487	1
BCID_1423	C121-AUTOMOT	Auto Service Garage	8707	1
BCID_1432	E117-EXEMPT	Improved Government Owned	1383	1
BCID_1433	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	7032	1
BCID_1434	R101-RES	Residential 1 Family	1992	1
BCID_1439	R100-RES	Residential Vacant	2345	1
BCID_1440	E117-EXEMPT	Improved Government Owned	1535	1
BCID_1441	R101-RES	Residential 1 Family	1480	1
BCID_1442	R101-RES	Residential 1 Family	1399	1
BCID_1443	R101-RES	Residential 1 Family	1432	1
BCID_1444	R999-RES	BUILDING UNDER CONSTRUCTION / RECHECK	2098	1
BCID_1445	R101-RES	Residential 1 Family	1462	1
BCID_1446	R101-RES	Residential 1 Family	1671	1
BCID_1447	C300-OFFICE	Office Building Low Rise	12921	1
BCID_1448	C100-COMMERC	Commercial Land Vacant	1327	1
BCID_1449	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1730	1
BCID_1450	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1092	1
BCID_1451	R101-RES	Residential 1 Family	1610	1
BCID_1452	R101-RES	Residential 1 Family	1353	1
BCID_1453	R101-RES	Residential 1 Family	1383	1
BCID_1454	R102-RES	Residential 2 Family (Duplex)	2479	1
BCID_1455	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	4593	1
BCID_1456	I166-INDUSTR	Other Misc MFG	7905	1
BCID_1459	R101-RES	Residential 1 Family	1461	1
BCID_1460	R101-RES	Residential 1 Family	1508	1
BCID_1461	R101-RES	Residential 1 Family	1548	1
BCID_1462	R101-RES	Residential 1 Family	1965	1
BCID_1463	C100-COMMERC	Commercial Land Vacant	3578	1
BCID_1464	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1589	1
BCID_1477	E100-EXEMPT	Vacant Exempt Land	4322	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_1479	R101-RES	Residential 1 Family	1638	1
BCID_1480	R101-RES	Residential 1 Family	1604	1
BCID_1481	R101-RES	Residential 1 Family	1209	1
BCID_1483	R100-RES	Residential Vacant	1084	1
BCID_1484	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	2151	1
BCID_1485	R101-RES	Residential 1 Family	1742	1
BCID_1486	R101-RES	Residential 1 Family	1491	1
BCID_1487	E117-EXEMPT	Improved Government Owned	2146	1
BCID_1488	E117-EXEMPT	Improved Government Owned	9096	1
BCID_1489	R101-RES	Residential 1 Family	1194	1
BCID_1490	R101-RES	Residential 1 Family	805	1
BCID_1491	R101-RES	Residential 1 Family	987	1
BCID_1492	R101-RES	Residential 1 Family	1039	1
BCID_1493	R101-RES	Residential 1 Family	1026	1
BCID_1499	C101-COMMERC	Residential Strucutre on Commercial Valued Land	985	1
BCID_1502	R101-RES	Residential 1 Family	1811	1
BCID_1503	R101-RES	Residential 1 Family	1386	1
BCID_1504	I160-INDUSTR	Woodworking Shop	57377	1
BCID_1506	U112-COMMUNI	OTHER UTILITY NEC CELL TOWER	6563	1
BCID_1508	R101-RES	Residential 1 Family	1194	1
BCID_1509	R101-RES	Residential 1 Family	1783	1
BCID_1513	R101-RES	Residential 1 Family	1207	1
BCID_1514	R101-RES	Residential 1 Family	2326	1
BCID_1515	R101-RES	Residential 1 Family	2099	1
BCID_1517	C455-STORAGE	Warehouse	3162	1
BCID_1518	R101-RES	Residential 1 Family	1049	1
BCID_1519	R101-RES	Residential 1 Family	1583	1
BCID_1520	R101-RES	Residential 1 Family	1521	1
BCID_1521	R101-RES	Residential 1 Family	1309	1
BCID_1522	R101-RES	Residential 1 Family	778	1
BCID_1523	R101-RES	Residential 1 Family	863	1
BCID_1525	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	1902	1
BCID_1527	R101-RES	Residential 1 Family	1197	1
BCID_1528	R109-RES	Residential MMP Improvements	890	1
BCID_1529	R101-RES	Residential 1 Family	1849	1
BCID_1530	R101-RES	Residential 1 Family	2535	1
BCID_1531	R101-RES	Residential 1 Family	1148	1
BCID_1532	R101-RES	Residential 1 Family	1459	1
BCID_1533	E100-EXEMPT	Vacant Exempt Land	1628	1
BCID_1535	R101-RES	Residential 1 Family	1156	1
BCID_1536	E117-EXEMPT	Improved Government Owned	10903	1
BCID_1537	R101-RES	Residential 1 Family	1535	1
BCID_1538	R101-RES	Residential 1 Family	921	1
BCID_1539	R101-RES	Residential 1 Family	913	1
BCID_1540	R101-RES	Residential 1 Family	1013	1.5

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_1541	R101-RES	Residential 1 Family	790	1
BCID_1543	C455-STORAGE	Warehouse	11438	1
BCID_1544	C455-STORAGE	Warehouse	1948	1
BCID_1545	E117-EXEMPT	Improved Government Owned	6274	1
BCID_1548	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	5706	1
BCID_1550	R101-RES	Residential 1 Family	1126	1
BCID_1551	R101-RES	Residential 1 Family	1488	1
BCID_1553	R101-RES	Residential 1 Family	2599	1
BCID_1554	R101-RES	Residential 1 Family	1354	1.5
BCID_1555	R101-RES	Residential 1 Family	2008	1
BCID_1556	R101-RES	Residential 1 Family	1517	1
BCID_1557	R101-RES	Residential 1 Family	1118	1
BCID_1558	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1321	1
BCID_1559	E117-EXEMPT	Improved Government Owned	631	1
BCID_1560	E117-EXEMPT	Improved Government Owned	6366	1
BCID_1561	R101-RES	Residential 1 Family	894	1
BCID_1562	R101-RES	Residential 1 Family	850	1
BCID_1563	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	1814	1
BCID_1564	R101-RES	Residential 1 Family	876	1
BCID_1565	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	1425	1
BCID_1566	R101-RES	Residential 1 Family	1481	1
BCID_1575	C457-STORAGE	Distribution Warehouse	34252	1
BCID_1577	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	4739	1
BCID_1587	R101-RES	Residential 1 Family	1209	1.5
BCID_1588	C455-STORAGE	Warehouse	10403	1
BCID_1589	C455-STORAGE	Warehouse	34852	1
BCID_1591	E117-EXEMPT	Improved Government Owned	1529	1
BCID_1592	E117-EXEMPT	Improved Government Owned	1602	1
BCID_1593	E117-EXEMPT	Improved Government Owned	1162	1
BCID_1595	R101-RES	Residential 1 Family	1918	1
BCID_1596	R101-RES	Residential 1 Family	1965	1
BCID_1606	R101-RES	Residential 1 Family	1144	1
BCID_1607	R101-RES	Residential 1 Family	1153	1
BCID_1608	R101-RES	Residential 1 Family	1296	1
BCID_1609	C100-COMMERC	Commercial Land Vacant	1770	1
BCID_1610	R101-RES	Residential 1 Family	1137	1
BCID_1611	R101-RES	Residential 1 Family	1713	1
BCID_1612	R101-RES	Residential 1 Family	1026	1
BCID_1613	R101-RES	Residential 1 Family	853	1
BCID_1614	R101-RES	Residential 1 Family	805	1
BCID_1615	R101-RES	Residential 1 Family	1667	1
BCID_1616	R101-RES	Residential 1 Family	1271	1
BCID_1617	R101-RES	Residential 1 Family	2030	1
BCID_1618	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1646	1
BCID_1619	C121-AUTOMOT	Auto Service Garage	1849	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_1620	I166-INDUSTR	Other Misc MFG	10593	1
BCID_1621	C457-STORAGE	Distribution Warehouse	5577	1
BCID_1622	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	2555	1
BCID_1623	R101-RES	Residential 1 Family	1875	1
BCID_1624	R101-RES	Residential 1 Family	1150	1
BCID_1660	R101-RES	Residential 1 Family	1931	1
BCID_1661	R101-RES	Residential 1 Family	1850	1
BCID_1662	R101-RES	Residential 1 Family	1749	1
BCID_1663	R101-RES	Residential 1 Family	2066	1
BCID_1664	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	15330	1
BCID_1665	C358-SHOP/RE	Retail Single Occupancy	2340	1
BCID_1666	E117-EXEMPT	Improved Government Owned	6127	1
BCID_1667	R101-RES	Residential 1 Family	1736	1
BCID_1669	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	1621	1
BCID_1670	R101-RES	Residential 1 Family	1476	1
BCID_1682	C455-STORAGE	Warehouse	14283	1
BCID_1683	C300-OFFICE	Office Building Low Rise	1732	1
BCID_1684	C455-STORAGE	Warehouse	7239	1
BCID_1692	C455-STORAGE	Warehouse	15187	1
BCID_1693	C121-AUTOMOT	Auto Service Garage	8068	1
BCID_1696	R101-RES	Residential 1 Family	1040	1
BCID_1697	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	1538	1
BCID_1698	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	4833	1
BCID_1699	R101-RES	Residential 1 Family	1477	1
BCID_1700	R101-RES	Residential 1 Family	1418	1
BCID_1701	R101-RES	Residential 1 Family	1519	1
BCID_1702	R101-RES	Residential 1 Family	1422	1
BCID_1703	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	783	1
BCID_1721	C455-STORAGE	Warehouse	33207	1
BCID_1722	R100-RES	Residential Vacant	1021	1
BCID_1729	C456-STORAGE	Warehouse-Prefabricated	8030	1
BCID_1730	R101-RES	Residential 1 Family	1033	1
BCID_1732	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	7039	1
BCID_1738	R101-RES	Residential 1 Family	1695	1
BCID_1739	I100-INDUSTR	Industrial Tract Vacant	7316	1
BCID_1745	R101-RES	Residential 1 Family	1541	1
BCID_1746	R101-RES	Residential 1 Family	1211	1
BCID_1747	C100-COMMERC	Commercial Land Vacant	3689	1
BCID_1753	R100-RES	Residential Vacant	1123	1
BCID_1754	R101-RES	Residential 1 Family	1164	1
BCID_1756	R100-RES	Residential Vacant	8898	1
BCID_1768	R101-RES	Residential 1 Family	3379	1
BCID_1824	R101-RES	Residential 1 Family	2268	1.5
BCID_1826	R101-RES	Residential 1 Family	1712	2
BCID_1854	R101-RES	Residential 1 Family	1711	2

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_1869	R101-RES	Residential 1 Family	3024	1
BCID_1870	R101-RES	Residential 1 Family	3272	1.5
BCID_1872	R101-RES	Residential 1 Family	2833	2
BCID_1893	R101-RES	Residential 1 Family	2344	2
BCID_2053	R101-RES	Residential 1 Family	2287	2
BCID_2059	R101-RES	Residential 1 Family	2835	1
BCID_2105	R101-RES	Residential 1 Family	3047	1
BCID_2108	R101-RES	Residential 1 Family	3122	1
BCID_2426	R101-RES	Residential 1 Family	3373	1
BCID_2626	R101-RES	Residential 1 Family	3036	1
BCID_2627	R101-RES	Residential 1 Family	4258	1
BCID_2648	R101-RES	Residential 1 Family	3624	1
BCID_2649	R101-RES	Residential 1 Family	1782	2
BCID_2650	R101-RES	Residential 1 Family	2958	1
BCID_2651	R101-RES	Residential 1 Family	2365	2
BCID_2657	R101-RES	Residential 1 Family	2362	2
BCID_2668	R101-RES	Residential 1 Family	2699	1
BCID_2669	R101-RES	Residential 1 Family	1719	2
BCID_2670	R101-RES	Residential 1 Family	1748	2
BCID_2719	R101-RES	Residential 1 Family	2449	1
BCID_2760	R101-RES	Residential 1 Family	1864	2
BCID_2761	R101-RES	Residential 1 Family	1924	2
BCID_2762	R101-RES	Residential 1 Family	2702	1
BCID_2763	R101-RES	Residential 1 Family	2349	1
BCID_2764	R101-RES	Residential 1 Family	2251	2
BCID_2787	R101-RES	Residential 1 Family	2640	2
BCID_2819	R101-RES	Residential 1 Family	1874	2
BCID_2958	R101-RES	Residential 1 Family	1905	1
BCID_2976	R101-RES	Residential 1 Family	1877	2
BCID_3430	R101-RES	Residential 1 Family	2272	1
BCID_3456	R101-RES	Residential 1 Family	1476	1
BCID_3562	C101-COMMERC	Residential Strucutre on Commercial Valued Land	788	1
BCID_3563	C300-OFFICE	Office Building Low Rise	1547	1
BCID_3582	R101-RES	Residential 1 Family	1904	1
BCID_3592	C457-STORAGE	Distribution Warehouse	13717	1
BCID_3594	R101-RES	Residential 1 Family	1159	1
BCID_3596	R101-RES	Residential 1 Family	1536	1
BCID_3597	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1611	1
BCID_3598	R101-RES	Residential 1 Family	1416	1
BCID_3600	R101-RES	Residential 1 Family	1464	1
BCID_3601	R101-RES	Residential 1 Family	1818	1
BCID_3603	C121-AUTOMOT	Auto Service Garage	1202	1
BCID_3605	R101-RES	Residential 1 Family	1002	1
BCID_3606	R101-RES	Residential 1 Family	1512	1
BCID_3611	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	778	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_3618	R101-RES	Residential 1 Family	3079	1
BCID_3647	R101-RES	Residential 1 Family	2834	2
BCID_3683	C121-AUTOMOT	Auto Service Garage	10624	1
BCID_3684	C101-COMMERC	Residential Strucutre on Commercial Valued Land	1565	1
BCID_3696	R101-RES	Residential 1 Family	1238	1
BCID_3697	R101-RES	Residential 1 Family	2082	1
BCID_3698	R101-RES	Residential 1 Family	1668	1
BCID_3699	C100-COMMERC	Commercial Land Vacant	10176	1
BCID_3700	R101-RES	Residential 1 Family	1734	1
BCID_3703	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	1127	1
BCID_3707	R101-RES	Residential 1 Family	1286	1
BCID_3748	R101-RES	Residential 1 Family	2843	1
BCID_3767	R101-RES	Residential 1 Family	767	1
BCID_3777	C100-COMMERC	Commercial Land Vacant	1051	1
BCID_3778	R101-RES	Residential 1 Family	1626	1
BCID_3779	R101-RES	Residential 1 Family	1400	1
BCID_3783	C101-COMMERC	Residential Strucutre on Commercial Valued Land	857	1
BCID_3785	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	23924	1
BCID_3787	R101-RES	Residential 1 Family	1877	1
BCID_3790	R101-RES	Residential 1 Family	1190	1
BCID_3791	R101-RES	Residential 1 Family	1693	1
BCID_3792	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	5570	1
BCID_3864	R101-RES	Residential 1 Family	1479	1
BCID_3865	C359-SHOP/RE	Retail Multi Occupancy	7227	1
BCID_3913	R101-RES	Residential 1 Family	2197	1
BCID_3915	R101-RES	Residential 1 Family	1392	1
BCID_3918	C455-STORAGE	Warehouse	34371	1
BCID_3920	R102-RES	Residential 2 Family (Duplex)	1220	1
BCID_3922	R101-RES	Residential 1 Family	1708	1
BCID_3923	R101-RES	Residential 1 Family	1710	1
BCID_3925	C358-SHOP/RE	Retail Single Occupancy	9380	1
BCID_3927	R101-RES	Residential 1 Family	1197	1
BCID_3932	R101-RES	Residential 1 Family	1597	1
BCID_3933	R101-RES	Residential 1 Family	1393	1
BCID_3978	R101-RES	Residential 1 Family	1216	1
BCID_3984	C358-SHOP/RE	Retail Single Occupancy	10257	1
BCID_4019	C455-STORAGE	Warehouse	10942	1
BCID_4030	E117-EXEMPT	Improved Government Owned	3173	1
BCID_4032	R101-RES	Residential 1 Family	1289	1
BCID_4033	R101-RES	Residential 1 Family	1032	1
BCID_4036	R101-RES	Residential 1 Family	1448	1
BCID_4037	E100-EXEMPT	Vacant Exempt Land	1625	1
BCID_4038	C121-AUTOMOT	Auto Service Garage	1830	1
BCID_4041	R101-RES	Residential 1 Family	1556	1
BCID_4043	R101-RES	Residential 1 Family	1611	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_4044	R101-RES	Residential 1 Family	2250	1
BCID_4103	R101-RES	Residential 1 Family	1165	1
BCID_4106	C358-SHOP/RE	Retail Single Occupancy	1494	1
BCID_4107	C358-SHOP/RE	Retail Single Occupancy	8349	1
BCID_4145	I125-INDUSTR	GLASS MFG.	60157	1
BCID_4146	R101-RES	Residential 1 Family	1529	1
BCID_4147	C300-OFFICE	Office Building Low Rise	11816	1
BCID_4151	C455-STORAGE	Warehouse	22438	1
BCID_4152	R101-RES	Residential 1 Family	1846	1
BCID_4153	C457-STORAGE	Distribution Warehouse	7355	1
BCID_4156	E117-EXEMPT	Improved Government Owned	5013	1
BCID_4159	C101-COMMERC	Residential Strucutre on Commercial Valued Land	998	2
BCID_4164	R101-RES	Residential 1 Family	2679	1
BCID_4177	R101-RES	Residential 1 Family	2612	2
BCID_4181	R101-RES	Residential 1 Family	3703	1
BCID_4196	R101-RES	Residential 1 Family	1172	1
BCID_4235	R101-RES	Residential 1 Family	1637	1
BCID_4240	R102-RES	Residential 2 Family (Duplex)	1220	1
BCID_4241	C454-STORAGE	Warehouse with Interior Office Space	5321	1
BCID_4242	R101-RES	Residential 1 Family	2028	1
BCID_4243	C358-SHOP/RE	Retail Single Occupancy	1312	1
BCID_4244	C300-OFFICE	Office Building Low Rise	2884	1
BCID_4245	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	45573	1
BCID_4246	R101-RES	Residential 1 Family	775	1
BCID_4249	C455-STORAGE	Warehouse	18515	1
BCID_4250	C358-SHOP/RE	Retail Single Occupancy	820	1
BCID_4251	C458-STORAGE	Storage Garage	4175	1
BCID_4254	R101-RES	Residential 1 Family	1291	1
BCID_4255	R101-RES	Residential 1 Family	2502	1.5
BCID_4262	R101-RES	Residential 1 Family	2606	1
BCID_4286	R101-RES	Residential 1 Family	2537	2
BCID_4301	R101-RES	Residential 1 Family	1312	1
BCID_4310	R101-RES	Residential 1 Family	1155	1
BCID_4320	A101-APART	Apartment-Garden(1-3 Stories)	2771	1
BCID_4324	R101-RES	Residential 1 Family	1964	1
BCID_4325	R101-RES	Residential 1 Family	1285	1
BCID_4326	R101-RES	Residential 1 Family	1486	1
BCID_4327	R101-RES	Residential 1 Family	1298	1
BCID_4328	R101-RES	Residential 1 Family	1368	1
BCID_4329	R101-RES	Residential 1 Family	1255	1
BCID_4336	A101-APART	Apartment-Garden(1-3 Stories)	31464	1
BCID_4342	R101-RES	Residential 1 Family	1798	1
BCID_4343	R101-RES	Residential 1 Family	1562	1
BCID_4344	R101-RES	Residential 1 Family	1721	1
BCID_4345	R101-RES	Residential 1 Family	1647	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_4346	R101-RES	Residential 1 Family	1319	1
BCID_4347	R101-RES	Residential 1 Family	1648	1
BCID_4350	A101-APART	Apartment-Garden(1-3 Stories)	25439	1
BCID_4359	E105-EXEMPT	Other Miscellaneous Exempt	72772	1
BCID_4360	C358-SHOP/RE	Retail Single Occupancy	1713	1
BCID_4363	I100-INDUSTR	Industrial Tract Vacant	16709	1
BCID_4364	R101-RES	Residential 1 Family	1913	1
BCID_4407	C458-STORAGE	Storage Garage	4036	1
BCID_4410	A101-APART	Apartment-Garden(1-3 Stories)	4435	1
BCID_4416	C128-AUTOMOT	PARKING (MISCELLANEOUS)	686	1
BCID_4426	R101-RES	Residential 1 Family	1340	1
BCID_4427	R101-RES	Residential 1 Family	1471	1
BCID_4428	R101-RES	Residential 1 Family	1175	1
BCID_4429	R101-RES	Residential 1 Family	1596	1
BCID_4430	R101-RES	Residential 1 Family	1569	1
BCID_4431	E106-EXEMPT	RECREATIONAL/HEALTH	10092	1
BCID_4434	A101-APART	Apartment-Garden(1-3 Stories)	7102	1
BCID_4435	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	13893	1
BCID_4438	A101-APART	Apartment-Garden(1-3 Stories)	5683	1
BCID_4439	A101-APART	Apartment-Garden(1-3 Stories)	3292	1
BCID_4440	A101-APART	Apartment-Garden(1-3 Stories)	4764	1
BCID_4441	A101-APART	Apartment-Garden(1-3 Stories)	5884	1
BCID_4442	A101-APART	Apartment-Garden(1-3 Stories)	6076	1
BCID_4443	A101-APART	Apartment-Garden(1-3 Stories)	6162	1
BCID_4444	A101-APART	Apartment-Garden(1-3 Stories)	5290	1
BCID_4445	A101-APART	Apartment-Garden(1-3 Stories)	6895	1
BCID_4446	A101-APART	Apartment-Garden(1-3 Stories)	4656	1
BCID_4450	A101-APART	Apartment-Garden(1-3 Stories)	3098	1
BCID_4451	A101-APART	Apartment-Garden(1-3 Stories)	4495	1
BCID_4452	A101-APART	Apartment-Garden(1-3 Stories)	5990	1
BCID_4457	A101-APART	Apartment-Garden(1-3 Stories)	6194	1
BCID_4458	A101-APART	Apartment-Garden(1-3 Stories)	6363	1
BCID_4459	A101-APART	Apartment-Garden(1-3 Stories)	5180	1
BCID_4460	A101-APART	Apartment-Garden(1-3 Stories)	5180	1
BCID_4461	C128-AUTOMOT	PARKING (MISCELLANEOUS)	1153	1
BCID_4466	R101-RES	Residential 1 Family	1437	1
BCID_4468	R101-RES	Residential 1 Family	1870	1
BCID_4471	R101-RES	Residential 1 Family	1938	1
BCID_4473	E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	7270	1
BCID_4474	R101-RES	Residential 1 Family	1782	1
BCID_4475	R101-RES	Residential 1 Family	756	1
BCID_4477	R101-RES	Residential 1 Family	1554	1
BCID_4478	R101-RES	Residential 1 Family	1388	1
BCID_4479	R101-RES	Residential 1 Family	1457	1
BCID_4480	R101-RES	Residential 1 Family	1477	1

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_4481	R101-RES	Residential 1 Family	1473	1
BCID_4482	R101-RES	Residential 1 Family	1489	1
BCID_4483	R101-RES	Residential 1 Family	1499	1
BCID_4484	R101-RES	Residential 1 Family	1583	1
BCID_4485	R101-RES	Residential 1 Family	1471	1
BCID_4486	R101-RES	Residential 1 Family	1661	1
BCID_4502	A101-APART	Apartment-Garden(1-3 Stories)	3877	1
BCID_4504	A101-APART	Apartment-Garden(1-3 Stories)	6453	1
BCID_4505	A101-APART	Apartment-Garden(1-3 Stories)	4885	1
BCID_4506	A101-APART	Apartment-Garden(1-3 Stories)	12612	1
BCID_4507	A101-APART	Apartment-Garden(1-3 Stories)	10410	1
BCID_4509	A101-APART	Apartment-Garden(1-3 Stories)	10410	1
BCID_4510	A101-APART	Apartment-Garden(1-3 Stories)	6465	1
BCID_4511	A101-APART	Apartment-Garden(1-3 Stories)	2891	1
BCID_4512	A101-APART	Apartment-Garden(1-3 Stories)	6311	1
BCID_4513	A101-APART	Apartment-Garden(1-3 Stories)	6311	1
BCID_4521	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	736	1
BCID_4522	E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	736	1
BCID_4548	E100-EXEMPT	Vacant Exempt Land	5501	1
BCID_4608	E117-EXEMPT	Improved Government Owned	4137	1
BCID_4614	C300-OFFICE	Office Building Low Rise	4192	1
BCID_4623	C454-STORAGE	Warehouse with Interior Office Space	3624	1
BCID_4624	C454-STORAGE	Warehouse with Interior Office Space	7535	1
BCID_4625	C454-STORAGE	Warehouse with Interior Office Space	9698	1
BCID_4628	C453-STORAGE	MINI WAREHOUSE	3721	1
BCID_4631	C453-STORAGE	MINI WAREHOUSE	10095	1
BCID_4633	C453-STORAGE	MINI WAREHOUSE	28936	1
BCID_4648	R101-RES	Residential 1 Family	1478	1
BCID_4649	R101-RES	Residential 1 Family	1285	1
BCID_4650	R101-RES	Residential 1 Family	1464	1
BCID_4651	E105-EXEMPT	Other Miscellaneous Exempt	1430	1
BCID_4652	E105-EXEMPT	Other Miscellaneous Exempt	1479	1
BCID_4656	C121-AUTOMOT	Auto Service Garage	2766	1
BCID_4657	E117-EXEMPT	Improved Government Owned	3664	1
BCID_4668	E117-EXEMPT	Improved Government Owned	719	1
BCID_4669	E117-EXEMPT	Improved Government Owned	745	1
BCID_4670	E117-EXEMPT	Improved Government Owned	709	1
BCID_4671	E117-EXEMPT	Improved Government Owned	732	1
BCID_4672	E117-EXEMPT	Improved Government Owned	692	1
BCID_4673	E117-EXEMPT	Improved Government Owned	716	1
BCID_4674	E117-EXEMPT	Improved Government Owned	1402	1
BCID_4675	E117-EXEMPT	Improved Government Owned	729	1
BCID_4676	E117-EXEMPT	Improved Government Owned	717	1
BCID_4678	E117-EXEMPT	Improved Government Owned	1384	1
BCID_4729	R101-RES	Residential 1 Family	2344	2

Structure ID	Structure Use Code	Structure Use Description	Footprint Area (SF)	Number of Floors
BCID_4742	R101-RES	Residential 1 Family	1379	1
BCID_4765	R101-RES	Residential 1 Family	1712	1
BCID_4766	R101-RES	Residential 1 Family	1431	1
BCID_4821	C121-AUTOMOT	Auto Service Garage	4473	1

Appendix C

2009 FEMA BCA Reference Guide, Contents Replacement Values

General FEMA Standard Values

Full Data Modules	
Data Type	**Value**
Discount Rate	7%
Building Damage (percentage) that would Result in Demolition	Non-Historic Buildings: 50% Historical Buildings: 50% to 90%
Contents Value	50% of the Total BRV for Residential structures; non-residential vary based on the primary use of the building. *100% of BRV with Residential and Generic DDF tables from USACE* – All the USACE curves labeled "Generic" give 100%; others range from 50–78%
Displacement Costs	$1.44/square foot/month
Subapplicants may use higher values for Displacement and Relocation Costs for commercial/residential buildings with proper documentation.	
Building Type for Flood Modules	
1 Story without a Basement	1 or 2 Story with a Basement
Split Level without a Basement	Split Level with a Basement
2 Story without a Basement	Mobile Home
	Other
Six of the listed building types have FEMA default DDFs associated with them that appear in Level Two of the Full Data module. When a building type is selected, it sets the FEMA default curves in the Level Two Data. By selecting "Other," the FEMA default values are set to zero and the subapplicant must provide supported user-entered depth damage curves.	
Casualties and Injuries	

Dollar Values for Avoided Casualties	**Injury Severity Level**	**Value**
	Dead – Fatal	$5,800,000
	Hospitalized	$1,088,000
	Treat & Release	$90,000
	Self-Treatment	$12,000

Appendix D

Mapping of Use Code to Hazus Occupancy Class

Structure Use Code	Structure Use Description	Freshwater DDF	Occupancy Class - Lower Floors	Occupancy Class - Upper Floors
A101-APART	Apartment-Garden(1-3 Stories)	Apartment	RES3B	RES3B
A102-APART	APARTMENT - HIGH RISE	Apartment	COM3	RES3E
A999-APART	APARTMENTS UNDER CONSTRUCTION / RECHECK	Garage	COM10	COM10
C100-COMMERC	Commercial Land Vacant	Garage	COM10	COM10
C101-COMMERC	Residential Strucutre on Commercial Valued Land	Residential	RES1x1	RES1x1
C121-AUTOMOT	Auto Service Garage	Service Station	COM3	COM3
C122-AUTOMOT	Service Station with Bays	Service Station	COM3	COM3
C127-AUTOMOT	PARKING GARAGE/DECK	Garage	COM10	COM10
C128-AUTOMOT	PARKING (MISCELLANEOUS)	Garage	COM10	COM10
C154-FOOD/BV	Bar/Lounge	Non-Fast Food	COM8	COM8
C300-OFFICE	Office Building Low Rise	Office One-Story	COM4	COM4
C303-OFFICE	MEDICAL OFFICE	Medical Office	COM7	COM7
C357-SHOP/RE	CONVENIENCE STORE	Convenience Store	COM1	COM1
C358-SHOP/RE	Retail Single Occupancy	Retail-Clothing	COM1	COM1
C359-SHOP/RE	Retail Multi Occupancy	Retail-Clothing	COM1	COM1
C418-SPORT/H	GYMNASIUM	Recreation	EDU1	EDU1
C453-STORAGE	MINI WAREHOUSE	Warehouse, Non-Refrig	COM2	COM2
C454-STORAGE	Warehouse with Interior Office Space	Warehouse, Non-Refrig	COM2	COM2
C455-STORAGE	Warehouse	Warehouse, Non-Refrig	COM2	COM2
C456-STORAGE	Warehouse-Prefabricated	Warehouse, Non-Refrig	COM2	COM2
C457-STORAGE	Distribution Warehouse	Warehouse, Non-Refrig	COM2	COM2
C458-STORAGE	Storage Garage	Warehouse, Non-Refrig	COM2	COM2
E100-EXEMPT	Vacant Exempt Land	Garage	COM10	COM10
E101-EXEMPT	RESERVED	Garage	COM10	COM10
E105-EXEMPT	Other Miscellaneous Exempt	Industrial Light	IND2	IND2
E106-EXEMPT	RECREATIONAL/HEALTH	Recreation	EDU1	EDU1
E108-EXEMPT	School - Classrooms, Gymnasium, Library, Parking, ETC	Schools	EDU1	EDU1
E110-EXEMPT	Religious - Church, Fellowship Hall, Parking	Religious Facilities	REL1	REL1
E113-EXEMPT	POLICE OR FIRE STATION	Protective Services	GOV2	GOV2
E114-EXEMPT	CORRECTIONAL	Correctional Facility	GOV1	GOV1
E117-EXEMPT	Improved Government Owned	Office One-Story	GOV1	GOV1
H101-HOTEL/M	HOTEL/MOTEL HIGH RISE WITH LOUNGE OR RESTAURANT	Hotel	COM8	RES4
H102-HOTEL/M	HOTEL/MOTEL HIGH RISE WITHOUT LOUNGE OR RESTAURANT	Hotel	RES4	RES4
I100-INDUSTR	Industrial Tract Vacant	Garage	COM10	COM10
I112-INDUSTR	CONCRETE MFG.	Industrial Light	IND1	IND1
I113-INDUSTR	CHEMICAL MFG.	Industrial Light	IND1	IND1
I125-INDUSTR	GLASS MFG.	Industrial Light	IND1	IND1
I148-INDUSTR	PRINT SHOP	Industrial Light	IND2	IND2
I160-INDUSTR	Woodworking Shop	Industrial Light	IND2	IND2
I166-INDUSTR	Other Misc MFG	Industrial Light	IND2	IND2
R100-RES	Residential Vacant	Garage	COM10	COM10
R101-RES	Residential 1 Family	Residential	RES1x1	RES1x1
R102-RES	Residential 2 Family (Duplex)	Residential	RES1x2	RES1x2
R109-RES	Residential MMP Improvements	Residential	RES1x1	RES1x1
R120-RES	CONDOMINIUM (COMMON AREA)	Garage	COM10	COM10
R130-RES	TOWNHOUSE (COMMON AREA)	Garage	COM10	COM10
R131-RES	TOWNHOUSE (FEE SIMPLE)	Apartment	RES3C	RES3C
R999-RES	BUILDING UNDER CONSTRUCTION / RECHECK	Garage	COM10	COM10
U112-COMMUNI	OTHER UTILITY NEC CELL TOWER	Industrial Light	GOV1	GOV1

Appendix E

USACE Residential and Non-Residential Generic Depth Damage Functions

Depth-Damage Function Library

DDFID	Description	Source
1SWOB	1-Story Residential, Without Basement	USACE Freshwater
GAR	Garage	USACE Freshwater
INDL	Industrial Light	USACE Freshwater
REST	Non-Fast Food	USACE Freshwater
OFF	Office One-Story	USACE Freshwater
PRT	Protective Services	USACE Freshwater
REC	Recreation	USACE Freshwater
REL	Religious Facilities	USACE Freshwater
RET	Retail-Clothing	USACE Freshwater
SS	Service Station	USACE Freshwater
WHSNR	Warehouse, Non-Refrig	USACE Freshwater

Buildings Depth-Damage Functions

DDF ID	1SWOB	GAR	INDL	REST	OFF	PRT	REC	REL	RET	SS	WHSNR
-8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-7	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-6	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-1	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
0	13%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%
1	23%	0%	10%	18%	12%	9%	12%	15%	11%	10%	10%
2	32%	0%	17%	29%	17%	15%	20%	25%	17%	15%	17%
3	40%	0%	21%	36%	22%	18%	26%	31%	21%	19%	20%
4	47%	0%	26%	44%	27%	23%	32%	37%	27%	24%	25%
5	53%	0%	30%	51%	31%	28%	37%	43%	32%	28%	30%
6	59%	0%	34%	58%	35%	30%	41%	48%	34%	31%	33%
7	63%	0%	37%	61%	41%	33%	43%	51%	37%	35%	36%
8	67%	0%	41%	65%	46%	37%	47%	55%	41%	39%	40%
9	71%	0%	45%	66%	49%	38%	49%	58%	43%	41%	43%
10	73%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%
11	75%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%
12	77%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%
13	79%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%
14	80%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%
15	80%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%
16	81%	0%	47%	67%	54%	41%	52%	59%	45%	43%	45%

Contents Depth-Damage Functions

DDF ID	1SWOB	GAR	INDL	REST	OFF	PRT	REC	REL	RET	SS	WHSNR
-8	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-7	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-6	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-4	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-3	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
-2	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
-1	2%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
0	8%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1	13%	0%	19%	28%	20%	14%	26%	29%	29%	16%	21%
2	18%	0%	31%	49%	34%	25%	44%	48%	46%	29%	34%
3	22%	0%	42%	57%	45%	37%	63%	60%	55%	41%	47%
4	26%	0%	52%	72%	55%	47%	73%	69%	70%	58%	57%
5	29%	0%	61%	80%	64%	55%	80%	76%	79%	63%	66%
6	32%	0%	72%	85%	73%	63%	84%	81%	89%	71%	74%
7	34%	0%	82%	93%	76%	74%	91%	88%	96%	79%	81%
8	36%	0%	91%	93%	83%	83%	95%	94%	98%	84%	88%
9	37%	0%	94%	94%	89%	84%	95%	97%	98%	87%	92%
10	38%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%
11	39%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%
12	40%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%
13	40%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%
14	40%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%
15	40%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%
16	40%	0%	95%	94%	91%	86%	95%	97%	99%	87%	94%

Displacement Time Depth-Damage Functions

DDF ID	1SWOB	GAR	INDL	REST	OFF	PRT	REC	REL	RET	SS	WHSNR
-8	0	0	0	0	0	0	0	0	0	0	0
-7	0	0	0	0	0	0	0	0	0	0	0
-6	0	0	0	0	0	0	0	0	0	0	0
-5	0	0	0	0	0	0	0	0	0	0	0
-4	0	0	0	0	0	0	0	0	0	0	0
-3	0	0	0	0	0	0	0	0	0	0	0
-2	0	0	0	0	0	0	0	0	0	0	0
-1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1	45	0	45	45	45	45	45	45	45	45	45
2	90	0	90	90	90	90	90	90	90	90	90
3	135	0	135	135	135	135	135	135	135	135	135
4	180	0	180	180	180	180	180	180	180	180	180
5	225	0	225	225	225	225	225	225	225	225	225
6	270	0	270	270	270	270	270	270	270	270	270
7	315	0	315	315	315	315	315	315	315	315	315
8	360	0	360	360	360	360	360	360	360	360	360
9	405	0	405	405	405	405	405	405	405	405	405
10	450	0	450	450	450	450	450	450	450	450	450
11	495	0	450	450	450	450	450	450	450	450	450
12	540	0	450	450	450	450	450	450	450	450	450
13	585	0	450	450	450	450	450	450	450	450	450
14	630	0	450	450	450	450	450	450	450	450	450
15	675	0	450	450	450	450	450	450	450	450	450
16	720	0	450	450	450	450	450	450	450	450	450

Appendix F

Physical Damage and Displacement Cost Calculations

Flood Risk Calculator Summary

The Flood Risk Calculator (FRC) brings together a comprehensive list of existing methodologies across FEMA's Hazus, Flood Assessment Structure Tool (FAST), and Benefit-Cost Analysis (BCA) Toolkit models, as well as the USACE's Generation II Coastal Risk Model (G2CRM) and Hydrologic Engineering Center Flood Damage Reduction Analysis (HEC-FDA) model. The FRC's adaptability allows us to keep up with the most recent industry standards and gives us the flexibility to meet various client needs by adapting which modules within the FRC are run for each project. This tool currently evaluates the site-specific and collective impacts of individual flood events, bigger-picture sea level rise impacts, annualized flood risk, and present value risk within project areas ranging from small neighborhoods to large metropolitan regions. The FRC estimates direct physical damages to buildings and contents, direct business interruption, human impacts including casualties and shelter needs, direct loss of public services, and displacement and relocation costs for populations and businesses exposed to flooding. This tool also exports data to model indirect business interruption using a separate program called IMPLAN.

The FRC has evolved out of a spreadsheet model built by the Urban and Coastal Resilience Practice at Arcadis that captured building-specific damages using Hazus, FEMA BCA, and other federally aligned methodologies for up to four individual flood events. This spreadsheet model was limited in its computational capacity and was cumbersome (at best) for modeling moderate-sized project areas (~1,500 buildings). Furthermore, given the nature of a spreadsheet model, errors were easily propagated, and quality control was time-consuming and unsustainable. Over time, the desire to model larger, more complex projects prompted the team to develop a smarter, automated tool that could quickly evaluate a wide range of damage parameters over large project areas (the tool has been used for the 800,000+ building inventory in NYC), large numbers of distinct flood events (over 30 unique flood events in San Francisco), and also process those results to produce annualized and present-value risk.

This document aims to describe the inputs, methodologies, and outputs of the FRC, as used in BCAs supporting federal funding applications. For these applications, analysts typically only calculate direct physical damages and relocation costs, so methodology for other damage metrics is not included in this documentation.

Inputs

Inputs to the FRC are in the form of several tabular and geospatial datasets, along with some additional constants, currently stored in ESRI feature class and Excel workbook formats. Constants that are required to perform calculations in the FRC include the cost of food at home ($7 per day, per the FEMA Benefit-Cost Analysis Sustainment and Enhancements, Standard Economic Value Methodology Report, 2020), the per-diem cost of meals and incidental expenditures ($79 per person per day for Philadelphia, per the US General Services Administration), and the per-diem cost of lodging ($184.42 per household per day for Philadelphia, per the US General Services Administration).

Table 1 summarizes the schema of the FRC input tables; primary keys of each table are **bolded**, and foreign keys (used to link tables together) are *italicized*.

Table 1. FRC Input Schema

Table Name	Column Name	Notes	Example Building Attributes	
			Residential	**Commercial**
Structure Inventory	**Structure ID**	Assigned by analysts	**BCID_0019056**	**BCID_0014529**
	Census ID	Link to Census Data	*421010156001*	421010141001
	Address	Not directly used in the FRC, but useful reference	523 W OXFORD ST	901-15 W GIRARD AVE
	Zip Code	Not directly used in the FRC, but useful reference	19122	19123
	Structure Use Code	Link to Structure Use Lookup	*O50*	MD0
	Number of Floors	-	4	3
	Footprint Area	Units: Square Feet	1,050	22,372
	Basement Flag	Binary flag indicating if the building has a basement	TRUE	1

Table Name	Column Name	Notes	Example Building Attributes	
			Residential	**Commercial**
	Critical Flood Elevation	Typically equal to the first floor elevation, or one foot above the ground elevation; Units: Feet	30.9	44.1
	Total Square Footage	Units: Square Feet; Inputted if known, calculated if not	4,199	67,117
Structure Use Lookup	**Structure Use Code**	Typically pulled from local assessor database	**O50**	**MD0**
	Structure Use Definition	Description of the structure Use Code	ROW 3 STY MASONRY	SHOPPING CENTER STRIP
	Occupancy Class - Lower Floors	Link to Standard Value Data	*RES1*	COM1
	Occupancy Class - Upper Floors	Link to Standard Value Data	*RES1*	COM1
	Mixed Use Flag	Binary flag indicating if the building is mixed-use	FALSE	FALSE
	Reporting Category	Useful for summarizing results	Single Family	Commercial
	Freshwater DDF	Used in conjunction with Basement Flag to assign Depth-Damage Function	Residential	Retail-Clothing
Census Data	**Census ID**	Typically represents unique ID for Census Block or Block Group	**421010156001**	**421010141001**
	Population	Units: Persons	811	1,600
	Housing	Units: Housing units	364	691
	Population in Labor Force	Units: Persons	476	618
Standard Value Data	**Occupancy Class**	Typically pulled from HAZUS standard occupancy classes	**RES1**	**COM1**

Table Name	Column Name	Notes	Example Building Attributes	
			Residential	**Commercial**
	Definition	Description of the Occupancy Class	Single Family Dwelling	Retail Trade
	Building Replacement Value (BRV) per Square Foot	Typical Source: RSMeans or HAZUS standard values	$271.03	$178.56
	Contents to Structure Value Ratio	Typical Source: HAZUS standard values; Used to calculate Contents Replacement Value (CRV); $CRV = BRV * CSVR$	1	1
	Annual Rent per Square Foot	Typical Source: LoopNet or HAZUS standard values	$11.34	$19.35
	Percent Owner Occupied	Typical Source: HAZUS standard values	75%	55%
	One-Time Disruption Cost per Square Foot	Typical Source: HAZUS standard values	$0	$1.45
Flood Elevation	**Structure ID**	-	**BCID_0019056**	**BCID_0014529**
	* Elevation for each flood event evaluated	Typically represents the maximum water surface elevation within the building footprint; Units: Feet	31.25	44.77
Floodplain Flag	**Structure ID**	-	**BCID_0019056**	**BCID_0014529**
	* Flag for each flood event evaluated	Binary flag indicating if building is in the floodplain	TRUE	TRUE
Structure DDF	**DDFID**	Standardized, unique identifier for DDFs compiled from multiple USACE and FEMA sources	R2WB	RETC

Table Name	Column Name	Notes	Example Building Attributes	
			Residential	Commercial
	* Flood depths ranging from -8 to 16 feet	-	17.9%	11.4%
Contents DDF	**DDFID**	Standardized, unique identifier for DDFs compiled from multiple USACE and FEMA sources	R2WB	RETC
	* Flood depths ranging from -8 to 16 feet	-	11.9%	29.0%
Displacement DDF	**DDFID**	Standardized, unique identifier for DDFs compiled from multiple USACE and FEMA sources	R2WB	RETC
	* Flood depths ranging from -8 to 16 feet	Units: Days	45	90

Intermediates

The FRC reads the input tables and constants, and first performs some intermediate steps to assign depth-damage functions to each building, estimate the square footage breakdown within the building, and distribute data from a census unit to each residential building in the unit. Intermediate processes are performed for every building in a project area and provide intermediate outputs that are used in later damage estimates for each flood event.

Assign Depth-Damage Function

Depth-damage functions (DDFs) are assigned to buildings based on a combination of attributes in the *Structure Inventory* and *Structure Use Lookup* tables. The FRC has two primary methods for assigning DDFs based on the DDF source, but it is possible to customize the DDF assignment for a given project area.

For typical funding applications, the US Army Corps of Engineers (USACE) Generic Riverine Depth Damage Functions (USACE Generic) for residential and non-residential structures are used to determine the amount of damage to buildings and contents for each flood scenario. The assignment of non-residential DDFs is linked to each structure use code in the *Structure Use Lookup* table, but residential DDFs are also dependent on the number of stories and the basement flag, as shown in Table 2. The FRC reads the relevant building attributes and assigns the appropriate depth-damage function for each building.

Table 2. USACE Generic Residential Structure and Contents DDF Assignment

Number of Floors	Basement Flag	Residential DDF
1	True	1-Story Residential with Basement
1	False	1-Story Residential without Basement
> 1	True	2-Story Residential with Basement
> 1	False	2-Story Residential without Basement

There are only two unique USACE Generic DDFs for displacement time: one for residential buildings and one for commercial buildings. Typically, high-rise buildings are assigned the commercial DDF, regardless of whether its use code is commercial or residential.

Each DDF has an attribute describing the maximum number of floors for which the curve is applicable. For instance, Generic USACE DDFs for non-residential buildings are typically only applicable to the replacement value of the first floor, while NACCS high-rise DDFs are only applicable for the first ten floors of a building.

The buildings referenced in Table 1, BCID_0019056 and BCID_0014529, use the "2-Story Residential with Basement" and "Retail-Clothing" DDFs, respectively.

Square Footage Analysis

Many calculations in the FRC are based on applying standard values to the square footage of each building to get building-specific values, such as the building replacement value (BRV) or contents replacement value (CRV), or

to distribute data at other geographical scales, like census data. Additionally, many buildings have multiple use types, and values should only be distributed to a portion of the building. For these reasons, the FRC breaks down a building's square footage in 11 different ways, as summarized in Table 3, with example data from the buildings referenced in Table 1 (BCID_0019056 and BCID_0014529).

Table 3. Breakdown of Square Footage Attributes

Square Footage Attribute	Description	Calculated Values	
		Residential	Commercial
Theoretical Maximum	The product of the footprint area and the number of floors	4,199	67,117
Total	Minimum of either the inputted total square footage or theoretical maximum square footage; ensures data quality of inputted values	4,199	67,117
Single Floor	The total square footage divided by the number of floors	1,050	22,372
Lower Floors	For high-rise buildings (typically buildings over 6 stories), area of the two bottom floors (single floor square footage multiplied by two); for low-rise buildings, area of the bottom floor only (equal to the single floor square footage)	1,050	22,372
Upper Floors	Difference between the total square footage and the lower floors square footage	3,149	44,745
Residential Lower Floors	Equal to the lower floors square footage if the lower floors are residential, otherwise 0	1,050	0
Residential Upper Floors	Equal to the upper floors square footage if the upper floors are residential, otherwise 0	3,149	0
Total Residential	Sum of the residential lower floors and residential upper floors square footage	4,199	0
Adjusted Total	Product of the single floor square footage and the maximum number of floors for which a DDF is applicable	2,100	22,372
Adjusted Lower Floors	Minimum of the lower floors square footage and the adjusted total square footage	1,050	22,372
Adjusted Upper Floors	Difference between the adjusted square footage and the adjusted lower floors square footage	1,050	0

Distribute Census Data

The FRC disaggregates population and housing counts at the census unit (block, block group, or tract) level to each building within the census unit by weighting the distribution of population by the total residential square footage of each building. For instance, if a block group with 500 people had 2 residential buildings, one with a total area (including all floors) of 2,000 square feet and a second with 3,000 square feet, the first building would be assigned a scaled population of 200, while the second would be assigned 300 residents. Any commercial buildings in the block group would have assigned population and housing counts of 0.

To accomplish this, values at the census unit level are divided by the total residential square footage for all buildings within that census unit to produce population and housing counts per square footage, as shown in Table 4 for Census ID 421010156001, which had a total residential square footage of 840,339 across 277 residential buildings.

Table 4. Example Census Distribution

Attribute	Count	Value per 1,000 SF
Population	811	0.965
Housing Units	364	0.433
Population in the Labor Force	476	0.566

Applying Standard Values

Once square footage, population, and housing breakdowns are calculated for each building, the FRC applies relevant constants and standard values to the appropriate square footage breakdowns for use in damage calculations. Rental values for commercial structures are split between "Daily Owner Rent" and "Daily Rental Income" based on the "Percent Owner Occupied" attribute in the *Standard Value Data* table; Daily Owner Rent is equal to the product of the daily rent per square foot (derived from the annual rent per square foot by dividing by 365) and the percent owner occupied, while Daily Rental Income represents the product of daily rent per square foot and the percent *renter* occupied (equal to 1 minus the percent owner occupied). Table 4 summarizes the application of standard values, using example data from the buildings referenced in Table 1 (BCID_0019056 and BCID_0014529).

Table 5. Application of Standard Values

Square Footage Attribute	Standard Value	Intermediate Output Field	Calculated Values	
			Residential	Commercial
Adjusted Lower Floors	BRV per Square Foot – Lower Floors	Adjusted BRV	$569,070	$3,994,823

Square Footage Attribute	Standard Value	Intermediate Output Field	Calculated Values	
			Residential	Commercial
Adjusted Upper Floors	BRV per Square Foot – Upper Floors			
Adjusted Lower Floors	CRV per Square Foot – Lower Floors	Adjusted CRV	$569,070	$3,994,823
Adjusted Upper Floors	CRV per Square Foot – Upper Floors			
Adjusted Lower Floors	BRV per Square Foot – Lower Floors	Total BRV	$1,138,141	$11,984,471
Adjusted Upper Floors	BRV per Square Foot – Upper Floors			
Adjusted Lower Floors	CRV per Square Foot – Lower Floors	Total CRV	$1,138,141	$11,984,471
Adjusted Upper Floors	CRV per Square Foot – Upper Floors			
Lower Floors	Daily Rent per Square Foot – Lower Floors Percent Owner Occupied – Lower Floors	Daily Owner Rent	0	$1,957
Upper Floors	Daily Rent per Square Foot – Upper Floors Percent Owner Occupied – Lower Floors			
Lower Floors	Daily Rent per Square Foot – Lower Floors Percent Renter Occupied – Lower Floors	Daily Rental Income	0	$1,601
Upper Floors	Daily Rent per Square Foot – Upper Floors Percent Renter Occupied – Lower Floors			
Lower Floors	One-Time Disruption Cost per Square Foot – Lower Floors	Potential One-Time Disruption Cost	0	$97,320
Upper Floors	One-Time Disruption Cost per Square Foot – Upper Floors			

For residential buildings, the FRC applies inputted per-diem constants to the product of the total residential square footage values for each building and the per-square-foot population attributes calculated in the census distribution step described earlier. The total per-diem relocation costs for each building are equal to the costs of lodging plus the difference between the cost of meals and incidental expenditures and the cost of food at home, summarized in Table 6 for the residential building referenced in Table 1 (BCID_0019056).

Table 6. Residential Per-Diem Cost Breakdown

Population Attribute	Standard/Distributed Values	Calculated Values
Population per Square Foot	Per-Diem Cost of Food at Home	-$28.37
Population per Square Foot	Per-Diem Cost of Meals and Incidental Expenditures	$320.16
Households per Square Foot	Per-Diem Cost of Lodging	$335.45
Total Per-Diem Relocation Costs		$627.24

Damage Metrics

This section details how the FRC iterates through inputted flood events to estimate flood depths, direct physical damages, and relocation costs for each building. Additional metrics, such as direct business interruption, can also be calculated with the FRC, but are not typically included in BCAs for federal funding applications, and are thus not included in this document.

Flood Depth

Because flood depth rasters tend to have high variability across a building footprint, the FRC calculates the flood depth for each building as the difference between the water surface elevation for a given flood event (usually inputted as the maximum water surface elevation across the building footprint) and the critical flood elevation (typically assumed to be the first floor elevation, or one foot above the average ground elevation for buildings on slab foundations).

For the example buildings BCID_0019056 and BCID_0014529, the calculated flood depths are **0.36 feet** and **0.46 feet**, respectively, for the 100-year, pre-mitigation flood event.

Direct Physical Damage

Direct physical damage represents impacts to a building's structure (known as Building Damage) as well as to its contents and inventory (summarized in the Contents Damage metric). The FRC estimates direct physical damage by interpolating the damage percentages from the DDFs for the calculated flood depth and multiplying it by the adjusted BRV or CRV, as appropriate. Interpolated values for the example buildings are shown in Table 7, resulting in damage values summarized in Table 8 for the 100-year, pre-mitigation flood event.

Table 7. DDF Interpolation for Direct Physical Damage Metrics

Structure ID	DDF	Depth (ft)	Building Damage Percentage	Contents Damage Percentage
BCID_0019056	2-Story Residential with Basement	0	17.9%	11.9%
		0.36	**19.5%**	**12.6%**
		1	22.3%	13.8%
BCID_0014529	Retail-Clothing	0	0.0%	0.0%
		0.46	**5.2%**	**13.3%**
		1	11.4%	29.0%

Table 8. Direct Physical Damage Results

Structure ID	Building Damage	Contents Damage
BCID_0019056	$110,841	$71,596

Structure ID	Building Damage	Contents Damage
BCID_0014529	$207,303	$528,675

Relocation Costs

Like the process for direct physical damages, relocation costs (also called displacement costs) start by interpolating the Displacement DDFs based on the flood depth at each building, as shown in Table 9.

Table 9. DDF Interpolation for Relocation Costs

Structure ID	DDF	Depth (ft)	Displacement Time (Days)
BCID_0019056	2-Story Residential with Basement	0	0
		0.36	**16.2**
		1	45
BCID_0014529	Retail-Clothing	0	0
		0.46	**20.7**
		1	45

For residential buildings, the FRC follows the methodology outlined in the 2020 FEMA BCA Standard Economic Value Methodology Report, indicating that relocation costs should represent the per-diem cost of lodging and M&IE, minus the cost of food at home, for the duration of displacement, as shown in Equation 1, and simplified in Equation 2 to match the variable derived in Table 6. The total residential relocation costs for example building BCID_0019056 is **$10,119.**

Equation 1: Residential Relocation Costs

$$
\begin{aligned}
&\textbf{\textit{Residential Relocation Costs}}\\
&= Displacement\ Time\ (days)\\
&* \{Number\ of\ Households * Per\ Diem\ Lodging\ (\$\ per\ day)\\
&+ Number\ of\ Residents\\
&* [Per\ Diem\ M\&EI\ (\$\ per\ day\ per\ person)\\
&- Cost\ of\ Food\ at\ home\ (\$\ per\ day\ per\ person)]\}
\end{aligned}
$$

Equation 2. Simplified Residential Relocation Costs

$$
\begin{aligned}
&\textbf{\textit{Residential Relocation Costs}}\\
&= Displacement\ Time\ (days) * \textbf{\textit{Total PerDiem Relocation Costs}}
\end{aligned}
$$

For commercial buildings, the FRC follows the standard Hazus methodology, where the relocation costs are equal to the sum of the owner rental losses, rental income losses, and one-time disruption costs, as summarized in Equation 3. Commercial relocation costs are only incurred if the flood depth is greater than 1 foot, which assumes that businesses with less flooding may incur business interruption costs but will not be forced to relocate their business. For this reason, the example commercial building with the ID BCID_0014529 incurs no relocation costs.

Equation 3. Commercial Relocation Costs

$$\textbf{\textit{Commercial Relocation Costs}}$$
$$= Displacement\ Time\ (days) * [Daily\ Owner\ Rent + Daily\ Renter\ Income]$$
$$+ Potential\ OneTime\ Disruption\ Costs$$

Reporting Category	Flood Event	Building Damage	Contents Damage	Total Population	Relocation Cost	Total Damages	Total Workers
Non-Residential	PreMitigation_005yr	$ -	$ -	0	$ -	$ -	0
Non-Residential	PreMitigation_010yr	$ 424,963.83	$ 819,143.89	0	$ 4,795.62	$ 1,248,903.33	0
Non-Residential	PreMitigation_025yr	$ 8,645,009.38	$ 18,527,158.67	0	$ 429,569.73	$ 27,601,737.78	0
Non-Residential	PreMitigation_050yr	$ 18,146,904.31	$ 38,214,271.38	0	$ 990,411.95	$ 57,351,587.64	0
Non-Residential	PreMitigation_100yr	$ 26,566,303.21	$ 56,009,691.79	0	$ 1,411,475.79	$ 83,987,470.79	0
Non-Residential	PostMitigation_005yr	$ -	$ -	0	$ -	$ -	0
Non-Residential	PostMitigation_010yr	$ 66,664.71	$ 109,112.02	0	$ 4,788.22	$ 180,564.95	0
Non-Residential	PostMitigation_025yr	$ 4,626,643.73	$ 10,216,722.66	0	$ 266,323.43	$ 15,109,689.82	0
Non-Residential	PostMitigation_050yr	$ 7,396,989.24	$ 16,745,504.20	0	$ 439,389.42	$ 24,581,882.86	0
Non-Residential	PostMitigation_100yr	$ 12,264,180.91	$ 27,606,378.94	0	$ 581,525.46	$ 40,452,085.32	0
Residential	PreMitigation_005yr	$ 704,078.91	$ 400,102.65	32.48853916	$ 170,072.46	$ 1,274,254.02	28.94522739
Residential	PreMitigation_010yr	$ 1,982,057.99	$ 1,125,792.08	113.4911054	$ 650,704.66	$ 3,758,554.73	99.04582583
Residential	PreMitigation_025yr	$ 6,576,053.66	$ 3,741,898.15	446.423749	$ 2,555,920.53	$ 12,873,872.33	385.9294189
Residential	PreMitigation_050yr	$ 13,441,892.49	$ 9,701,635.13	1283.175059	$ 7,396,333.15	$ 30,539,860.77	1017.679578
Residential	PreMitigation_100yr	$ 18,820,127.57	$ 14,832,735.26	1570.299699	$ 12,444,161.97	$ 46,097,024.80	1245.894503
Residential	PostMitigation_005yr	$ 486,183.70	$ 277,507.33	22.09485387	$ 117,182.08	$ 880,873.12	19.65542576
Residential	PostMitigation_010yr	$ 1,302,987.45	$ 731,251.10	51.72762708	$ 452,972.13	$ 2,487,210.68	44.86890193
Residential	PostMitigation_025yr	$ 2,639,764.95	$ 1,488,223.00	124.1866897	$ 1,050,354.73	$ 5,178,342.68	111.1591314
Residential	PostMitigation_050yr	$ 3,931,566.30	$ 2,214,878.32	177.4288306	$ 1,585,818.85	$ 7,732,263.48	158.3122416
Residential	PostMitigation_100yr	$ 6,815,830.46	$ 3,865,771.05	350.2038704	$ 2,756,734.64	$ 13,438,336.14	310.2302882

Structure ID	Post-Mitigation, 20% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0528	-0.11594	$15,886.84	$9,738.14	$0.00	$25,624.98
BCID_0563	0.713371	$22,768.22	$13,140.31	$5,341.34	$41,249.87
BCID_1730	2.51484	$43,239.65	$23,889.91	$15,321.18	$82,450.74
BCID_1745	1.178818	$37,119.12	$21,075.24	$8,977.15	$67,171.52
BCID_1746	4.823532	$67,276.76	$36,466.57	$41,894.56	$145,637.89
BCID_1754	0.347776	$19,049.65	$11,206.58	$2,007.24	$32,263.47
BCID_1826	0.977401	$43,508.79	$24,881.98	$14,403.42	$82,794.18
BCID_2627	0.650127	$65,461.63	$37,887.33	$10,948.59	$114,297.54
BCID_2648	-0.24306	$30,805.83	$19,240.49	$0.00	$50,046.32
BCID_2668	0.697663	$56,966.47	$32,899.91	$9,987.46	$99,853.85
BCID_2787	-0.53817	$20,360.61	$9,810.10	$0.00	$30,170.71
BCID_4103	0.056004	$17,097.89	$10,281.47	$461.76	$27,841.12
BCID_4262	0.654873	$46,642.24	$26,989.30	$7,839.38	$81,470.92

Structure ID	Post-Mitigation, 10% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0176	-0.02302	$9,673.55	$5,862.50	$0.00	$15,536.05
BCID_0528	4.504311	$65,682.98	$35,688.94	$39,677.47	$141,049.40
BCID_0563	5.05672	$59,535.77	$32,215.80	$37,861.99	$129,613.56
BCID_1508	-0.21337	$14,699.72	$9,137.37	$0.00	$23,837.09
BCID_1556	1.170836	$49,254.99	$27,971.95	$20,954.33	$98,181.26
BCID_1557	-0.11811	$13,699.46	$8,399.75	$0.00	$22,099.22
BCID_1591	0.170709	$6,524.17	$9,814.47	$0.00	$16,338.63
BCID_1730	3.708505	$53,794.24	$29,394.29	$22,593.36	$105,781.89
BCID_1738	0.855287	$43,281.47	$24,834.93	$8,638.75	$76,755.15
BCID_1745	2.352943	$52,116.76	$28,871.83	$17,918.57	$98,907.16
BCID_1746	6.316169	$77,513.23	$41,596.19	$54,858.79	$173,968.22
BCID_1754	1.550634	$31,833.04	$17,907.25	$8,949.73	$58,690.03
BCID_1826	2.348476	$65,788.08	$38,551.39	$34,608.18	$138,947.66
BCID_1872	-0.30935	$21,911.45	$11,215.21	$0.00	$33,126.66
BCID_2626	1.038374	$76,150.19	$43,415.39	$17,070.76	$136,636.33
BCID_2627	2.048946	$107,225.42	$59,734.05	$34,505.67	$201,465.13
BCID_2648	1.162729	$70,869.51	$40,256.09	$17,002.44	$128,128.04
BCID_2649	0.630888	$39,036.91	$21,986.07	$9,651.06	$70,674.04
BCID_2650	-0.12995	$29,005.20	$17,812.55	$0.00	$46,817.75
BCID_2668	2.101533	$92,328.15	$51,382.33	$30,084.68	$173,795.17
BCID_2760	0.656108	$37,276.06	$21,021.25	$9,475.86	$67,773.16
BCID_2787	0.812926	$48,567.32	$27,590.20	$14,293.02	$90,450.54
BCID_2958	-0.14791	$27,265.99	$16,785.77	$0.00	$44,051.76
BCID_2976	0.157986	$31,074.76	$16,960.18	$2,448.47	$50,483.41
BCID_4030	1.0482	$60,140.54	$99,297.55	-$4,788.22	$154,649.87
BCID_4103	4.550206	$61,822.29	$33,579.17	$37,516.52	$132,917.98
BCID_4262	1.997669	$75,252.28	$41,964.79	$23,913.80	$141,130.87
BCID_4286	0.55938	$48,328.61	$27,115.85	$10,948.68	$86,393.14

Structure ID	Post-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0176	0.710943	$ 15,036.13	$ 8,678.78	$ 2,739.59	$ 26,454.49
BCID_0177	0.058495	$ 17,274.49	$ 10,385.35	$ 378.62	$ 28,038.46
BCID_0351	2.010105	$ 29,277.66	$ 16,322.85	$ 12,306.06	$ 57,906.58
BCID_0528	7.596535	$ 85,855.15	$ 45,729.38	$ 66,916.18	$ 198,500.71
BCID_0552	0.234009	$ 19,030.80	$ 11,281.45	$ 869.87	$ 31,182.11
BCID_0563	8.122531	$ 75,222.51	$ 39,927.45	$ 60,817.13	$ 175,967.09
BCID_0582	1.201531	$ 34,857.26	$ 19,778.50	$ 11,240.22	$ 65,875.98
BCID_0633	1.867002	$ 201,529.13	$ 378,339.70	$ 16,381.81	$ 596,250.65
BCID_0635	1.424038	$ 195,999.70	$ 396,435.68	$ 19,485.88	$ 611,921.25
BCID_0647	1.516572	$ 643,425.82	$ 1,177,489.78	$ 46,067.82	$ 1,866,983.41
BCID_0656	0.072728	$ 17,744.36	$ 10,654.38	$ 823.69	$ 29,222.43
BCID_0674	1.645042	$ 109,025.73	$ 289,649.91	$ 11,050.50	$ 409,726.15
BCID_0691	0.792363	$ 42,112.08	$ 85,282.84	$ -	$ 127,394.92
BCID_0705	1.469142	$ 143,142.26	$ 289,494.99	$ 13,956.77	$ 446,594.02
BCID_0706	1.479453	$ 20,333.48	$ 41,122.07	$ 1,973.91	$ 63,429.45
BCID_0707	1.605664	$ 49,784.01	$ 27,971.80	$ 19,348.90	$ 97,104.70
BCID_0708	0.419293	$ 21,251.91	$ 12,448.09	$ 1,558.62	$ 35,258.61
BCID_0727	1.189891	$ 24,450.76	$ 13,878.19	$ 7,840.15	$ 46,169.10
BCID_0728	1.583227	$ 44,663.11	$ 25,106.69	$ 16,735.55	$ 86,505.35
BCID_0730	-0.33687	$ 11,779.50	$ 7,482.99	$ -	$ 19,262.49
BCID_0803	0.00159	$ 28.08	$ 56.04	$ -	$ 84.11
BCID_1270	0.05169	$ 28,919.17	$ 17,396.71	$ 1,371.96	$ 47,687.84
BCID_1352	2.238804	$ 59,880.95	$ 33,239.75	$ 50,329.81	$ 143,450.52
BCID_1353	2.521886	$ 61,493.97	$ 33,971.60	$ 54,586.11	$ 150,051.68
BCID_1363	-1.05641	$ 18,876.98	$ 32,152.41	$ -	$ 51,029.39
BCID_1378	0.458407	$ 21,226.71	$ 58,920.76	$ -	$ 80,147.48
BCID_1385	0.327008	$ 19,550.32	$ 39,592.12	$ -	$ 59,142.44
BCID_1390	0.032028	$ 20,972.90	$ 12,639.24	$ 441.33	$ 34,053.47
BCID_1401	0.164696	$ 21,721.84	$ 12,943.68	$ 2,145.09	$ 36,810.61
BCID_1406	-0.71734	$ 9,818.97	$ 7,057.07	$ -	$ 16,876.04
BCID_1419	0.669511	$ 150,969.54	$ 385,010.26	$ -	$ 535,979.80
BCID_1421	-0.33913	$ 918.68	$ 4,593.41	$ -	$ 5,512.10
BCID_1423	1.460264	$ 154,298.86	$ 278,696.34	$ (13,991.79)	$ 419,003.41
BCID_1432	0.420233	$ 11,855.34	$ 18,795.34	$ -	$ 30,650.69
BCID_1459	-0.41632	$ 11,415.25	$ 7,376.90	$ -	$ 18,792.15
BCID_1504	1.990124	$ 1,026,911.17	$ 2,846,517.41	$ (77,684.04)	$ 3,795,744.54
BCID_1525	0.364331	$ 18,049.34	$ 36,023.37	$ -	$ 54,072.71
BCID_1528	0.54982	$ 21,953.28	$ 12,767.85	$ 5,773.02	$ 40,494.14
BCID_1544	0.849245	$ 18,121.08	$ 36,697.71	$ -	$ 54,818.79
BCID_1548	0.432027	$ 70,674.60	$ 141,054.32	$ -	$ 211,728.92
BCID_1555	-0.10837	$ 21,928.98	$ 13,428.45	$ -	$ 35,357.43
BCID_1556	1.86994	$ 61,471.99	$ 34,358.10	$ 33,466.13	$ 129,296.22
BCID_1557	0.591095	$ 21,774.10	$ 12,637.60	$ 6,025.08	$ 40,436.79

	Post-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1575	0.599925	$ 225,083.97	$ 455,826.48	$ -	$ 680,910.45
BCID_1577	0.533364	$ 72,465.49	$ 144,628.61	$ -	$ 217,094.10
BCID_1588	1.079475	$ 119,668.71	$ 242,278.02	$ (14,058.10)	$ 347,888.63
BCID_1591	2.747648	$ 48,598.52	$ 98,565.43	$ (2,924.73)	$ 144,239.22
BCID_1682	1.125244	$ 168,821.93	$ 341,741.21	$ (19,356.66)	$ 491,206.48
BCID_1692	0.932842	$ 155,182.25	$ 314,265.73	$ -	$ 469,447.98
BCID_1693	-0.00565	$ 826.88	$ 4,134.38	$ -	$ 4,961.26
BCID_1729	0.144158	$ 12,679.89	$ 25,678.55	$ -	$ 38,358.45
BCID_1730	4.466805	$ 59,629.74	$ 32,409.51	$ 27,213.16	$ 119,252.41
BCID_1732	2.574726	$ 389,209.78	$ 757,504.36	$ (12,084.00)	$ 1,134,630.14
BCID_1738	1.565118	$ 55,960.11	$ 31,469.56	$ 15,808.33	$ 103,238.00
BCID_1745	3.071922	$ 60,592.95	$ 33,227.95	$ 23,393.88	$ 117,214.77
BCID_1746	6.707031	$ 79,833.89	$ 42,756.52	$ 58,253.60	$ 180,844.02
BCID_1754	2.32649	$ 39,259.67	$ 21,759.14	$ 13,427.71	$ 74,446.51
BCID_1826	3.547283	$ 84,007.98	$ 49,501.39	$ 52,274.33	$ 185,783.69
BCID_1869	-0.25385	$ 36,314.80	$ 22,722.07	$ -	$ 59,036.87
BCID_1870	0.391882	$ 33,836.87	$ 18,794.75	$ 5,827.30	$ 58,458.92
BCID_1872	0.411251	$ 34,952.75	$ 19,438.98	$ 6,255.43	$ 60,647.15
BCID_1893	0.570297	$ 40,120.50	$ 22,523.99	$ 9,219.42	$ 71,863.91
BCID_2626	2.257613	$ 110,051.30	$ 61,068.52	$ 37,114.89	$ 208,234.72
BCID_2627	3.243236	$ 137,952.93	$ 75,572.20	$ 54,618.34	$ 268,143.47
BCID_2648	2.367959	$ 100,417.55	$ 55,615.39	$ 34,626.38	$ 190,659.32
BCID_2649	1.845297	$ 60,008.75	$ 34,948.93	$ 28,228.57	$ 123,186.26
BCID_2650	1.023693	$ 56,900.49	$ 32,455.41	$ 12,644.27	$ 102,000.17
BCID_2657	0.525492	$ 37,692.27	$ 21,107.96	$ 8,151.09	$ 66,951.31
BCID_2668	3.321938	$ 118,813.67	$ 65,057.76	$ 47,555.51	$ 231,426.95
BCID_2719	-0.33692	$ 22,195.08	$ 14,099.68	$ -	$ 36,294.76
BCID_2760	1.790371	$ 55,768.48	$ 32,451.38	$ 25,857.45	$ 114,077.31
BCID_2761	-0.2807	$ 22,577.60	$ 11,622.77	$ -	$ 34,200.37
BCID_2787	1.888663	$ 69,822.42	$ 40,691.32	$ 33,206.84	$ 143,720.58
BCID_2958	0.587483	$ 44,448.36	$ 25,802.22	$ 9,463.57	$ 79,714.14
BCID_2976	1.350281	$ 52,225.78	$ 30,145.04	$ 20,926.64	$ 103,297.45
BCID_3562	1.076382	$ 24,727.92	$ 14,081.74	$ 14,176.84	$ 52,986.50
BCID_3592	0.599623	$ 90,094.72	$ 182,454.40	$ -	$ 272,549.12
BCID_3783	1.135492	$ 20,006.40	$ 11,373.13	$ 11,842.84	$ 43,222.37
BCID_3864	0.590082	$ 27,455.33	$ 15,935.76	$ 5,665.71	$ 49,056.79
BCID_3933	-0.20674	$ 16,108.86	$ 10,003.00	$ -	$ 26,111.86
BCID_3978	0.729812	$ 19,979.42	$ 11,522.62	$ 4,757.28	$ 36,259.32
BCID_4030	3.570264	$ 119,241.44	$ 244,238.00	$ (6,689.62)	$ 356,789.82
BCID_4038	1.022755	$ 26,059.10	$ 44,133.68	$ (2,750.50)	$ 67,442.27
BCID_4103	7.616475	$ 80,458.14	$ 42,849.12	$ 62,797.95	$ 186,105.21
BCID_4145	0.244791	$ 191,031.62	$ 530,262.39	$ -	$ 721,294.02
BCID_4177	-0.00423	$ 30,093.16	$ 16,170.71	$ -	$ 46,263.87
BCID_4243	1.22581	$ 19,384.23	$ 50,295.59	$ (2,229.56)	$ 67,450.26

	Post-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4250	0.040859	$ 443.89	$ 1,132.03	$ -	$ 1,575.92
BCID_4251	1.067751	$ 47,687.77	$ 96,551.19	$ (5,637.75)	$ 138,601.22
BCID_4262	3.174999	$ 96,940.45	$ 53,126.65	$ 38,007.45	$ 188,074.55
BCID_4286	1.52995	$ 69,885.53	$ 40,483.02	$ 29,945.53	$ 140,314.08
BCID_4301	0.259379	$ 21,425.18	$ 12,678.08	$ 1,068.41	$ 35,171.67
BCID_4360	0.953488	$ 21,639.37	$ 55,185.82	$ -	$ 76,825.19
BCID_4407	0.614831	$ 27,181.21	$ 55,045.75	$ -	$ 82,226.96
BCID_4614	0.193464	$ 24,294.07	$ 36,876.57	$ -	$ 61,170.64
BCID_4729	0.145113	$ 31,721.56	$ 17,293.90	$ 2,312.94	$ 51,328.40

Structure ID	Post-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0176	1.014242	$ 17,233.61	$ 9,832.78	$ 3,908.34	$ 30,974.72
BCID_0177	0.365524	$ 21,030.63	$ 12,358.27	$ 2,365.93	$ 35,754.84
BCID_0351	3.697002	$ 40,921.26	$ 22,361.54	$ 22,633.41	$ 85,916.21
BCID_0528	9.292107	$ 93,320.03	$ 49,155.29	$ 81,852.10	$ 224,327.42
BCID_0529	0.658389	$ 33,243.85	$ 19,233.29	$ 7,394.50	$ 59,871.64
BCID_0551	1.494707	$ 112,930.58	$ 313,202.37	$ (10,343.63)	$ 415,789.31
BCID_0552	1.922821	$ 38,046.40	$ 21,244.61	$ 7,147.60	$ 66,438.61
BCID_0563	9.808933	$ 80,874.70	$ 42,472.08	$ 73,443.99	$ 196,790.77
BCID_0567	1.684298	$ 42,682.52	$ 23,942.31	$ 16,498.31	$ 83,123.13
BCID_0582	2.889725	$ 54,520.77	$ 29,955.95	$ 27,033.15	$ 111,509.87
BCID_0583	0.778015	$ 25,552.11	$ 14,706.79	$ 6,339.36	$ 46,598.26
BCID_0584	1.131417	$ 22,794.39	$ 12,959.56	$ 7,096.08	$ 42,850.03
BCID_0633	2.493825	$ 236,569.35	$ 483,145.33	$ (17,813.96)	$ 701,900.73
BCID_0635	2.051052	$ 255,104.28	$ 520,197.60	$ (20,234.83)	$ 755,067.04
BCID_0647	1.821069	$ 711,395.04	$ 1,364,564.31	$ (48,124.75)	$ 2,027,834.59
BCID_0652	-0.2074	$ 9,799.03	$ 6,085.45	$ -	$ 15,884.49
BCID_0656	0.61237	$ 24,458.13	$ 14,180.81	$ 6,935.49	$ 45,574.43
BCID_0674	2.271285	$ 132,153.77	$ 351,807.64	$ (11,839.32)	$ 472,122.08
BCID_0678	0.36738	$ 60,320.31	$ 120,388.94	$ -	$ 180,709.26
BCID_0691	1.401127	$ 66,605.78	$ 134,726.32	$ (6,688.82)	$ 194,643.28
BCID_0701	0.142228	$ 145,057.27	$ 402,647.55	$ -	$ 547,704.82
BCID_0705	3.159831	$ 229,289.33	$ 528,345.52	$ (15,399.24)	$ 742,235.61
BCID_0706	3.175856	$ 32,531.66	$ 74,907.47	$ (2,178.48)	$ 105,260.65
BCID_0707	3.301647	$ 73,401.01	$ 40,196.24	$ 39,786.19	$ 153,383.44
BCID_0708	2.108578	$ 39,920.58	$ 22,213.54	$ 7,838.10	$ 69,972.22
BCID_0727	2.885432	$ 38,367.06	$ 21,081.69	$ 19,012.01	$ 78,460.76
BCID_0728	3.271352	$ 65,974.98	$ 36,135.90	$ 34,579.93	$ 136,690.82
BCID_0729	0.544174	$ 22,748.92	$ 13,234.40	$ 4,433.99	$ 40,417.32
BCID_0730	1.350062	$ 31,943.30	$ 18,054.35	$ 11,000.47	$ 60,998.12
BCID_0732	0.09207	$ 15,811.81	$ 9,478.10	$ 684.50	$ 25,974.41
BCID_0800	0.65237	$ 68,061.27	$ 115,643.76	$ -	$ 183,705.03
BCID_0803	1.690074	$ 26,084.58	$ 51,146.28	$ (960.83)	$ 76,270.03
BCID_1081	0.331937	$ 22,148.75	$ 13,042.84	$ 1,352.61	$ 36,544.20
BCID_1270	0.63234	$ 40,868.80	$ 23,673.29	$ 16,783.71	$ 81,325.80
BCID_1352	2.859875	$ 68,628.93	$ 37,723.09	$ 64,291.90	$ 170,643.92
BCID_1353	3.143377	$ 69,679.38	$ 38,193.96	$ 68,038.24	$ 175,911.59
BCID_1354	-0.20278	$ 262.25	$ -	$ -	$ 262.25
BCID_1363	-0.31361	$ 32,913.72	$ 40,980.07	$ -	$ 73,893.79
BCID_1378	1.059195	$ 47,976.52	$ 133,155.28	$ (5,435.14)	$ 175,696.65
BCID_1385	0.793622	$ 47,447.03	$ 96,086.85	$ -	$ 143,533.88
BCID_1390	0.527141	$ 28,467.30	$ 16,575.70	$ 7,263.77	$ 52,306.77
BCID_1401	0.658768	$ 28,790.69	$ 16,656.61	$ 8,580.13	$ 54,027.43
BCID_1402	0.294618	$ 14,353.45	$ 8,473.07	$ 2,335.72	$ 25,162.24

	Post-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1406	-0.20841	$ 19,578.71	$ 12,160.79	$ -	$ 31,739.50
BCID_1419	1.256914	$ 255,040.39	$ 663,124.14	$ (29,030.80)	$ 889,133.73
BCID_1420	-0.77619	$ 1,201.81	$ 1,795.03	$ -	$ 2,996.84
BCID_1421	0.260125	$ 50,351.34	$ 88,311.56	$ -	$ 138,662.90
BCID_1423	2.006605	$ 191,994.13	$ 364,452.78	$ (15,122.05)	$ 541,324.86
BCID_1432	1.019423	$ 25,900.69	$ 42,420.30	$ (2,077.56)	$ 66,243.42
BCID_1459	0.123824	$ 18,839.56	$ 11,262.99	$ 1,437.45	$ 31,540.00
BCID_1460	-0.0781	$ 18,135.20	$ 11,062.64	$ -	$ 29,197.84
BCID_1504	2.523357	$ 1,163,772.32	$ 3,401,562.07	$ (79,127.97)	$ 4,486,206.42
BCID_1508	0.510263	$ 24,492.12	$ 14,273.70	$ 6,104.14	$ 44,869.96
BCID_1525	0.869794	$ 43,090.47	$ 86,001.15	$ -	$ 129,091.62
BCID_1528	1.759033	$ 34,927.58	$ 19,562.99	$ 18,469.55	$ 72,960.12
BCID_1543	0.224477	$ 28,124.38	$ 56,955.80	$ -	$ 85,080.17
BCID_1544	1.31917	$ 25,637.17	$ 51,867.83	$ (2,671.94)	$ 74,833.06
BCID_1548	0.887353	$ 145,160.74	$ 289,715.79	$ -	$ 434,876.53
BCID_1555	0.341812	$ 30,122.13	$ 17,727.01	$ 5,528.63	$ 53,377.77
BCID_1556	2.349898	$ 69,303.48	$ 38,394.99	$ 42,055.88	$ 149,754.35
BCID_1557	1.051185	$ 26,862.07	$ 15,308.79	$ 10,714.83	$ 52,885.69
BCID_1575	1.208377	$ 424,540.99	$ 859,169.20	$ (46,660.08)	$ 1,237,050.12
BCID_1577	1.039192	$ 139,545.84	$ 278,110.06	$ (6,844.72)	$ 410,811.18
BCID_1588	1.386817	$ 141,777.68	$ 286,789.44	$ (14,328.67)	$ 414,238.46
BCID_1589	0.190997	$ 72,914.91	$ 147,662.87	$ -	$ 220,577.78
BCID_1591	3.381147	$ 55,438.16	$ 113,506.48	$ (3,154.88)	$ 165,789.76
BCID_1592	0.019913	$ 2,667.54	$ 3,340.08	$ -	$ 6,007.63
BCID_1664	0.041796	$ 18,369.46	$ 36,662.28	$ -	$ 55,031.74
BCID_1682	1.725235	$ 228,080.52	$ 461,045.01	$ (20,081.86)	$ 669,043.67
BCID_1683	0.336618	$ 8,299.86	$ 13,023.57	$ -	$ 21,323.43
BCID_1692	1.404541	$ 208,837.88	$ 422,421.80	$ (20,940.73)	$ 610,318.95
BCID_1693	0.328836	$ 37,857.04	$ 65,684.68	$ -	$ 103,541.72
BCID_1729	0.521035	$ 45,829.38	$ 92,810.90	$ -	$ 138,640.29
BCID_1730	4.862252	$ 62,509.57	$ 33,873.03	$ 29,622.34	$ 126,004.95
BCID_1732	4.261295	$ 531,572.89	$ 978,559.14	$ (14,189.89)	$ 1,495,942.15
BCID_1738	1.938699	$ 62,467.00	$ 34,870.89	$ 19,581.65	$ 116,919.54
BCID_1745	3.445114	$ 64,491.38	$ 35,288.54	$ 26,235.88	$ 126,015.79
BCID_1746	6.936294	$ 81,195.10	$ 43,437.13	$ 60,244.86	$ 184,877.08
BCID_1754	2.729032	$ 42,901.91	$ 23,625.79	$ 15,751.05	$ 82,278.75
BCID_1824	0.007641	$ 25,432.66	$ 13,684.45	$ 106.12	$ 39,223.23
BCID_1826	4.116531	$ 92,290.64	$ 54,365.63	$ 60,663.02	$ 207,319.29
BCID_1854	-0.33396	$ 25,678.84	$ 13,075.42	$ -	$ 38,754.26
BCID_1869	0.319998	$ 56,584.56	$ 33,346.92	$ 5,577.10	$ 95,508.58
BCID_1870	0.966184	$ 43,710.40	$ 24,986.62	$ 14,367.20	$ 83,064.23
BCID_1872	0.79282	$ 41,663.05	$ 23,647.13	$ 12,059.37	$ 77,369.56
BCID_1893	1.120522	$ 50,328.13	$ 28,896.91	$ 18,114.35	$ 97,339.38
BCID_2053	-0.18659	$ 25,928.97	$ 13,575.34	$ -	$ 39,504.31

	Post-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_2059	-0.7855	$ 11,406.08	$ 8,540.69	$ -	$ 19,946.78
BCID_2108	-0.19149	$ 35,304.29	$ 21,871.81	$ -	$ 57,176.10
BCID_2626	2.838194	$ 125,014.32	$ 68,737.07	$ 46,659.58	$ 240,410.97
BCID_2627	3.817653	$ 151,222.37	$ 82,586.05	$ 64,291.92	$ 298,100.34
BCID_2648	2.945047	$ 113,646.69	$ 62,395.32	$ 43,065.06	$ 219,107.07
BCID_2649	2.422442	$ 69,490.49	$ 40,751.05	$ 37,057.48	$ 147,299.03
BCID_2650	1.57254	$ 68,590.78	$ 38,566.25	$ 19,423.42	$ 126,580.45
BCID_2657	1.026793	$ 46,666.13	$ 26,729.56	$ 15,926.93	$ 89,322.62
BCID_2668	3.90107	$ 130,186.07	$ 71,068.89	$ 55,846.13	$ 257,101.09
BCID_2669	-0.11452	$ 24,357.13	$ 12,895.94	$ -	$ 37,253.07
BCID_2670	-0.07155	$ 20,469.04	$ 10,903.43	$ -	$ 31,372.46
BCID_2719	-0.02085	$ 30,055.79	$ 18,210.33	$ -	$ 48,266.13
BCID_2760	2.340595	$ 64,355.45	$ 37,708.86	$ 33,804.07	$ 135,868.38
BCID_2761	0.2925	$ 33,052.01	$ 18,232.83	$ 4,474.54	$ 55,759.38
BCID_2762	-0.05871	$ 28,997.18	$ 17,646.74	$ -	$ 46,643.92
BCID_2763	-0.03128	$ 27,368.99	$ 16,602.20	$ -	$ 43,971.20
BCID_2787	2.423934	$ 79,896.30	$ 46,853.98	$ 42,618.07	$ 169,368.35
BCID_2958	0.900517	$ 51,616.68	$ 29,567.40	$ 14,506.13	$ 95,690.21
BCID_2976	1.914902	$ 61,999.82	$ 36,146.64	$ 29,677.12	$ 127,823.58
BCID_3562	1.665653	$ 30,077.00	$ 16,877.84	$ 21,938.03	$ 68,892.87
BCID_3592	1.07144	$ 157,028.49	$ 317,924.23	$ (18,527.14)	$ 456,425.58
BCID_3603	-0.11538	$ 109.60	$ 547.98	$ -	$ 657.58
BCID_3618	-0.05165	$ 32,230.58	$ 19,597.92	$ -	$ 51,828.50
BCID_3647	0.239794	$ 25,471.44	$ 13,995.28	$ 2,908.98	$ 42,375.71
BCID_3696	0.326669	$ 22,079.51	$ 13,006.48	$ 1,331.14	$ 36,417.14
BCID_3783	1.725718	$ 24,249.07	$ 13,590.89	$ 17,998.70	$ 55,838.66
BCID_3790	0.185596	$ 15,318.85	$ 9,113.56	$ 1,681.59	$ 26,114.00
BCID_3864	2.277017	$ 48,964.25	$ 27,161.34	$ 21,862.93	$ 97,988.53
BCID_3925	0.606549	$ 75,377.27	$ 192,230.98	$ -	$ 267,608.25
BCID_3933	0.287756	$ 23,482.49	$ 13,868.47	$ 3,747.87	$ 41,098.83
BCID_3978	2.416763	$ 34,324.75	$ 18,994.83	$ 15,753.66	$ 69,073.24
BCID_4030	4.242284	$ 133,326.45	$ 274,279.53	$ (7,196.26)	$ 400,409.72
BCID_4038	1.603031	$ 34,508.77	$ 63,287.73	$ (3,002.81)	$ 94,793.68
BCID_4043	0.071438	$ 20,387.56	$ 12,242.85	$ 930.45	$ 33,560.86
BCID_4103	9.304478	$ 87,388.48	$ 46,027.54	$ 76,715.56	$ 210,131.58
BCID_4145	0.746073	$ 582,224.49	$ 1,616,129.00	$ -	$ 2,198,353.49
BCID_4177	0.464574	$ 39,074.46	$ 21,803.72	$ 7,693.41	$ 68,571.59
BCID_4181	-0.12755	$ 41,016.63	$ 25,180.82	$ -	$ 66,197.45
BCID_4243	1.852809	$ 24,943.08	$ 66,862.63	$ (2,396.90)	$ 89,408.81
BCID_4249	0.408556	$ 82,858.53	$ 167,800.09	$ -	$ 250,658.61
BCID_4250	0.614944	$ 6,680.69	$ 17,037.45	$ -	$ 23,718.15
BCID_4251	1.672987	$ 65,160.82	$ 131,729.22	$ (5,851.58)	$ 191,038.46
BCID_4262	3.734417	$ 106,126.45	$ 57,982.11	$ 44,704.15	$ 208,812.72
BCID_4286	2.026048	$ 80,701.42	$ 47,122.77	$ 39,655.58	$ 167,479.77

	Post-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4301	1.947733	$ 42,453.68	$ 23,695.09	$ 8,022.93	$ 74,171.69
BCID_4328	0.110596	$ 19,733.44	$ 11,810.33	$ 1,356.95	$ 32,900.71
BCID_4360	3.383282	$ 46,949.86	$ 121,770.05	$ (3,662.81)	$ 165,057.09
BCID_4407	1.219155	$ 50,325.56	$ 101,843.72	$ (5,501.76)	$ 146,667.53
BCID_4474	0.054634	$ 21,132.60	$ 12,709.23	$ 746.39	$ 34,588.21
BCID_4475	0.692605	$ 20,046.87	$ 11,580.29	$ 6,177.31	$ 37,804.47
BCID_4608	0.050935	$ 9,103.03	$ 12,313.98	$ -	$ 21,417.01
BCID_4614	0.786962	$ 77,684.25	$ 125,810.38	$ -	$ 203,494.63
BCID_4729	0.626128	$ 40,585.66	$ 22,852.74	$ 9,979.77	$ 73,418.17

Structure ID	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
			Post-Mitigation, 1% AEP Event		
BCID_0176	1.472585	$ 20,200.93	$ 11,383.87	$ 5,674.54	$ 37,259.35
BCID_0177	0.827477	$ 26,682.07	$ 15,326.70	$ 5,356.02	$ 47,364.78
BCID_0351	5.024227	$ 48,519.61	$ 26,261.34	$ 30,758.82	$ 105,539.77
BCID_0382	1.030545	$ 26,996.02	$ 15,394.94	$ 3,623.72	$ 46,014.68
BCID_0387	-0.48804	$ 8,451.48	$ 5,562.42	$ -	$ 14,013.90
BCID_0528	10.61935	$ 97,605.68	$ 50,915.89	$ 93,543.46	$ 242,065.03
BCID_0529	1.984752	$ 53,351.94	$ 29,758.59	$ 22,291.13	$ 105,401.66
BCID_0551	2.821505	$ 167,945.49	$ 502,895.77	$ (10,830.42)	$ 660,010.83
BCID_0552	3.249634	$ 50,671.63	$ 27,757.46	$ 12,079.69	$ 90,508.77
BCID_0553	-0.02243	$ 21,491.90	$ 13,023.95	$ -	$ 34,515.85
BCID_0563	11.13662	$ 84,170.25	$ 43,693.35	$ 83,384.96	$ 211,248.56
BCID_0566	0.935341	$ 176,233.49	$ 351,731.65	$ -	$ 527,965.14
BCID_0567	3.011134	$ 58,485.29	$ 32,084.42	$ 29,495.14	$ 120,064.85
BCID_0568	0.464433	$ 21,793.02	$ 12,732.31	$ 3,784.25	$ 38,309.58
BCID_0582	4.216705	$ 67,316.36	$ 36,662.18	$ 39,446.94	$ 143,425.49
BCID_0583	2.105309	$ 39,888.91	$ 22,197.31	$ 17,154.30	$ 79,240.52
BCID_0584	2.458672	$ 33,338.47	$ 18,436.26	$ 15,420.42	$ 67,195.14
BCID_0633	2.946187	$ 259,345.53	$ 558,019.77	$ (18,847.50)	$ 798,517.81
BCID_0635	2.50362	$ 280,708.70	$ 614,015.31	$ (20,775.42)	$ 873,948.60
BCID_0646	0.279909	$ 77,031.27	$ 155,999.08	$ -	$ 233,030.35
BCID_0647	2.443154	$ 841,626.40	$ 1,686,859.10	$ (52,327.07)	$ 2,476,158.43
BCID_0648	1.637035	$ 307,359.76	$ 621,400.47	$ (27,987.45)	$ 900,772.77
BCID_0652	1.127363	$ 21,482.43	$ 12,215.09	$ 8,937.69	$ 42,635.21
BCID_0653	0.967293	$ 18,527.34	$ 10,587.59	$ 7,029.60	$ 36,144.54
BCID_0654	0.283168	$ 26,471.22	$ 15,638.42	$ 4,169.18	$ 46,278.82
BCID_0655	0.11212	$ 18,994.22	$ 11,366.46	$ 1,322.74	$ 31,683.42
BCID_0656	1.921452	$ 39,470.85	$ 22,040.55	$ 21,761.71	$ 83,273.11
BCID_0674	2.723838	$ 145,959.22	$ 381,657.27	$ (12,409.36)	$ 515,207.13
BCID_0678	1.701494	$ 243,806.49	$ 477,957.10	$ (8,944.55)	$ 712,819.04
BCID_0691	1.827801	$ 80,921.20	$ 163,547.19	$ (6,864.01)	$ 237,604.39
BCID_0701	0.564935	$ 576,171.90	$ 1,599,328.35	$ -	$ 2,175,500.25
BCID_0705	4.486193	$ 297,360.33	$ 659,617.14	$ (16,530.88)	$ 940,446.60
BCID_0706	4.503432	$ 42,140.45	$ 93,460.19	$ (2,338.57)	$ 133,262.07
BCID_0707	4.629055	$ 88,574.01	$ 48,080.30	$ 55,782.00	$ 192,436.31
BCID_0708	3.435292	$ 52,245.28	$ 28,589.24	$ 12,769.82	$ 93,604.34
BCID_0727	4.212657	$ 47,388.85	$ 25,810.04	$ 27,757.05	$ 100,955.93
BCID_0728	4.598348	$ 79,720.66	$ 43,284.66	$ 48,606.99	$ 171,612.31
BCID_0729	1.87146	$ 37,499.11	$ 20,958.53	$ 15,248.88	$ 73,706.52
BCID_0730	2.677325	$ 45,429.99	$ 25,037.11	$ 21,815.16	$ 92,282.25
BCID_0732	1.419493	$ 29,821.14	$ 16,826.24	$ 10,553.37	$ 57,200.75
BCID_0800	1.979762	$ 161,551.67	$ 305,871.51	$ (12,791.05)	$ 454,632.12
BCID_0803	3.017139	$ 37,290.23	$ 72,405.35	$ (1,105.84)	$ 108,589.74
BCID_1081	1.658491	$ 38,619.48	$ 21,674.71	$ 6,758.19	$ 67,052.38

	Post-Mitigation, 1% AEP Event				
	Flood Depth	**Building Damage**	**Contents Damage**	**Relocation Cost**	**Total Damages**
BCID_1082	-0.08848	$ 11,460.24	$ 6,999.93	$ -	$ 18,460.18
BCID_1264	0.251607	$ 163,426.93	$ 252,349.18	$ -	$ 415,776.10
BCID_1270	1.020985	$ 48,819.03	$ 27,848.20	$ 27,099.22	$ 103,766.45
BCID_1271	0.247554	$ 39,595.37	$ 80,186.16	$ -	$ 119,781.54
BCID_1281	-0.09575	$ 17,857.19	$ 10,917.26	$ -	$ 28,774.46
BCID_1282	0.761556	$ 34,208.44	$ 19,702.42	$ 11,212.66	$ 65,123.52
BCID_1286	1.039627	$ 31,940.10	$ 52,759.01	$ (2,124.74)	$ 82,574.38
BCID_1288	0.111041	$ 32,816.81	$ 19,639.91	$ 2,265.00	$ 54,721.72
BCID_1294	-0.19699	$ 16,262.34	$ 10,083.25	$ -	$ 26,345.59
BCID_1295	0.072578	$ 20,403.88	$ 12,251.42	$ 945.30	$ 33,600.59
BCID_1296	-0.09947	$ 17,798.63	$ 10,886.64	$ -	$ 28,685.26
BCID_1297	0.668412	$ 28,928.67	$ 16,729.09	$ 8,705.74	$ 54,363.50
BCID_1306	0.737543	$ 27,370.40	$ 15,779.97	$ 8,788.22	$ 51,938.59
BCID_1340	0.439604	$ 25,655.03	$ 15,009.60	$ 5,725.63	$ 46,390.27
BCID_1341	-0.15128	$ 17,167.09	$ 10,573.55	$ -	$ 27,740.64
BCID_1344	0.89954	$ 40,995.13	$ 23,483.94	$ 14,899.78	$ 79,378.85
BCID_1345	0.8937	$ 47,379.43	$ 79,037.09	$ -	$ 126,416.52
BCID_1352	3.304745	$ 74,358.51	$ 40,719.86	$ 74,292.87	$ 189,371.25
BCID_1353	3.588865	$ 74,965.75	$ 40,988.19	$ 77,680.81	$ 193,634.75
BCID_1354	0.186009	$ 3,623.60	$ 5,506.94	$ -	$ 9,130.53
BCID_1363	0.357626	$ 222,946.40	$ 350,874.29	$ -	$ 573,820.69
BCID_1378	1.474078	$ 59,688.90	$ 165,546.15	$ (5,516.38)	$ 219,718.67
BCID_1379	0.251379	$ 43,495.30	$ 120,733.53	$ -	$ 164,228.83
BCID_1385	0.986123	$ 58,955.79	$ 119,393.70	$ -	$ 178,349.49
BCID_1390	1.859104	$ 47,183.98	$ 26,377.49	$ 25,617.61	$ 99,179.08
BCID_1401	1.990685	$ 46,271.96	$ 25,806.88	$ 25,927.69	$ 98,006.53
BCID_1402	1.626711	$ 25,347.96	$ 14,235.71	$ 12,896.50	$ 52,480.16
BCID_1403	0.23005	$ 25,612.11	$ 15,187.18	$ 3,387.10	$ 44,186.39
BCID_1405	0.320471	$ 20,045.57	$ 11,813.07	$ 3,493.43	$ 35,352.08
BCID_1406	1.041687	$ 41,638.38	$ 23,736.79	$ 16,516.90	$ 81,892.08
BCID_1419	1.654466	$ 300,763.83	$ 799,393.50	$ (30,407.24)	$ 1,069,750.10
BCID_1420	-0.41401	$ 1,581.34	$ 2,033.71	$ -	$ 3,615.05
BCID_1421	0.672707	$ 128,008.45	$ 217,357.71	$ -	$ 345,366.16
BCID_1423	2.33682	$ 207,048.63	$ 413,942.94	$ (15,805.19)	$ 605,186.37
BCID_1432	1.437712	$ 30,442.57	$ 54,921.12	$ (2,215.01)	$ 83,148.68
BCID_1440	1.010808	$ 18,137.78	$ 29,632.89	$ (1,458.16)	$ 46,312.51
BCID_1441	0.889495	$ 32,091.78	$ 18,390.52	$ 11,585.24	$ 62,067.53
BCID_1445	0.123038	$ 21,125.82	$ 12,630.62	$ 1,602.51	$ 35,358.96
BCID_1446	-0.02631	$ 18,745.11	$ 11,364.42	$ -	$ 30,109.54
BCID_1452	-0.27373	$ 15,598.91	$ 9,793.54	$ -	$ 25,392.45
BCID_1453	-0.01792	$ 19,083.26	$ 11,558.42	$ -	$ 30,641.68
BCID_1459	1.437949	$ 34,976.99	$ 19,726.68	$ 16,692.86	$ 71,396.53
BCID_1460	1.227106	$ 36,561.05	$ 20,730.72	$ 15,982.45	$ 73,274.23
BCID_1461	0.941315	$ 30,929.80	$ 17,691.25	$ 11,549.43	$ 60,170.47

	Post-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1464	0.490131	$ 31,538.83	$ 18,400.26	$ 7,632.70	$ 57,571.79
BCID_1479	-0.02399	$ 18,334.06	$ 11,112.28	$ -	$ 29,446.34
BCID_1480	-0.06754	$ 17,406.30	$ 10,604.24	$ -	$ 28,010.54
BCID_1481	-0.54326	$ 11,835.72	$ 7,918.60	$ -	$ 19,754.32
BCID_1499	-0.09378	$ 15,960.03	$ 9,754.96	$ -	$ 25,714.99
BCID_1504	2.834591	$ 1,242,868.83	$ 3,725,298.37	$ (79,970.75)	$ 4,888,196.46
BCID_1506	0.642707	$ 66,495.93	$ 123,052.19	$ -	$ 189,548.12
BCID_1508	1.876077	$ 41,161.07	$ 23,003.27	$ 22,443.00	$ 86,607.35
BCID_1513	1.306003	$ 27,220.60	$ 15,402.33	$ 12,326.12	$ 54,949.04
BCID_1519	0.075879	$ 24,545.02	$ 14,733.69	$ 1,186.12	$ 40,464.84
BCID_1525	1.108411	$ 53,253.50	$ 105,881.99	$ (2,517.03)	$ 156,618.46
BCID_1528	2.45874	$ 41,673.72	$ 23,045.65	$ 25,816.35	$ 90,535.72
BCID_1531	0.007841	$ 15,243.38	$ 9,207.33	$ 79.92	$ 24,530.62
BCID_1532	0.189732	$ 19,840.02	$ 11,799.61	$ 2,220.46	$ 33,860.09
BCID_1543	0.873433	$ 109,431.28	$ 221,613.63	$ -	$ 331,044.91
BCID_1544	1.515879	$ 28,286.89	$ 57,202.44	$ (2,704.37)	$ 82,784.96
BCID_1545	0.128232	$ 22,172.67	$ 32,612.72	$ -	$ 54,785.39
BCID_1548	1.123753	$ 177,582.40	$ 352,905.45	$ (8,326.99)	$ 522,160.87
BCID_1553	0.429823	$ 60,066.76	$ 35,162.06	$ 13,179.16	$ 108,407.98
BCID_1555	1.668984	$ 52,381.99	$ 29,392.37	$ 26,994.90	$ 108,769.27
BCID_1556	3.68099	$ 89,097.64	$ 48,691.63	$ 65,878.31	$ 203,667.59
BCID_1557	2.381027	$ 39,753.13	$ 22,012.03	$ 24,270.03	$ 86,035.19
BCID_1575	1.633937	$ 525,334.84	$ 1,062,094.87	$ (47,893.59)	$ 1,539,536.12
BCID_1577	1.30613	$ 164,615.28	$ 325,424.20	$ (7,069.12)	$ 482,970.36
BCID_1587	0.403025	$ 19,719.99	$ 10,961.46	$ 4,579.70	$ 35,261.15
BCID_1588	2.013526	$ 186,451.56	$ 377,661.31	$ (14,880.39)	$ 549,232.49
BCID_1589	0.408023	$ 155,766.50	$ 315,448.92	$ -	$ 471,215.42
BCID_1591	3.90236	$ 61,010.04	$ 125,044.67	$ (3,344.23)	$ 182,710.48
BCID_1592	0.64064	$ 19,824.87	$ 31,919.61	$ -	$ 51,744.47
BCID_1596	-0.06833	$ 19,929.20	$ 12,142.39	$ -	$ 32,071.60
BCID_1606	0.003994	$ 18,296.67	$ 11,055.66	$ 49.01	$ 29,401.35
BCID_1607	-0.15897	$ 13,195.86	$ 8,136.40	$ -	$ 21,332.25
BCID_1664	1.362246	$ 549,555.47	$ 1,084,877.01	$ (23,020.20)	$ 1,611,412.28
BCID_1682	2.138931	$ 263,171.62	$ 544,823.39	$ (20,581.89)	$ 787,413.11
BCID_1683	0.698801	$ 15,574.71	$ 25,141.53	$ -	$ 40,716.24
BCID_1692	1.604004	$ 229,784.86	$ 464,593.81	$ (21,197.08)	$ 673,181.59
BCID_1693	0.816991	$ 92,821.14	$ 157,020.89	$ -	$ 249,842.02
BCID_1698	0.373989	$ 51,819.88	$ 103,423.55	$ -	$ 155,243.43
BCID_1701	-0.59425	$ 9,515.20	$ 6,477.70	$ -	$ 15,992.90
BCID_1702	0.591216	$ 27,824.19	$ 16,148.96	$ 7,700.30	$ 51,673.45
BCID_1729	1.131718	$ 95,272.31	$ 192,852.95	$ (10,886.84)	$ 277,238.41
BCID_1730	5.477876	$ 66,593.48	$ 35,923.21	$ 33,372.91	$ 135,889.60
BCID_1732	5.589024	$ 629,567.61	$ 1,091,631.01	$ (15,847.72)	$ 1,705,350.90
BCID_1738	2.541559	$ 72,109.86	$ 39,823.78	$ 25,670.78	$ 137,604.41

	Post-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1745	4.017235	$ 70,444.70	$ 38,432.10	$ 30,592.80	$ 139,469.60
BCID_1746	8.018798	$ 86,816.28	$ 46,115.01	$ 69,646.90	$ 202,578.18
BCID_1754	3.34258	$ 48,065.90	$ 26,315.92	$ 19,292.24	$ 93,674.07
BCID_1768	0.054431	$ 43,864.80	$ 26,380.94	$ 874.11	$ 71,119.85
BCID_1824	0.752392	$ 37,391.03	$ 21,183.77	$ 10,449.26	$ 69,024.06
BCID_1826	4.863655	$ 102,646.68	$ 60,406.65	$ 71,672.96	$ 234,726.29
BCID_1854	0.353501	$ 40,629.18	$ 22,509.64	$ 6,437.29	$ 69,576.10
BCID_1869	1.080023	$ 81,981.46	$ 46,680.63	$ 18,823.24	$ 147,485.32
BCID_1870	1.723631	$ 56,310.84	$ 32,731.34	$ 25,630.46	$ 114,672.65
BCID_1872	1.414455	$ 52,348.11	$ 30,255.81	$ 21,514.90	$ 104,118.82
BCID_1893	1.854336	$ 63,578.58	$ 37,033.15	$ 29,977.19	$ 130,588.91
BCID_2053	0.499786	$ 39,091.22	$ 21,858.90	$ 8,139.63	$ 69,089.74
BCID_2059	-0.10365	$ 28,928.18	$ 17,703.62	$ -	$ 46,631.80
BCID_2105	0.004251	$ 31,726.10	$ 19,169.85	$ 51.21	$ 50,947.16
BCID_2108	0.433239	$ 55,203.35	$ 32,308.75	$ 6,899.56	$ 94,411.66
BCID_2426	-1.17024	$ 5,816.54	$ 5,583.88	$ -	$ 11,400.42
BCID_2626	3.599257	$ 142,698.23	$ 78,017.26	$ 59,171.37	$ 279,886.86
BCID_2627	4.575161	$ 167,013.04	$ 90,696.64	$ 77,048.87	$ 334,758.55
BCID_2648	3.704103	$ 129,029.67	$ 70,506.08	$ 54,164.64	$ 253,700.40
BCID_2649	3.178408	$ 81,567.35	$ 48,068.96	$ 48,621.93	$ 178,258.25
BCID_2650	2.306949	$ 83,639.13	$ 46,371.64	$ 28,494.57	$ 158,505.35
BCID_2651	0.431926	$ 42,280.34	$ 23,545.11	$ 7,865.43	$ 73,690.88
BCID_2657	1.719374	$ 58,665.60	$ 34,097.65	$ 26,669.80	$ 119,433.05
BCID_2668	4.659257	$ 143,410.09	$ 77,828.87	$ 66,700.02	$ 287,938.98
BCID_2669	0.634411	$ 37,033.28	$ 20,861.37	$ 9,192.16	$ 67,086.80
BCID_2670	0.619409	$ 29,964.84	$ 16,866.55	$ 7,311.41	$ 54,142.80
BCID_2719	0.451823	$ 40,780.29	$ 23,842.20	$ 5,399.83	$ 70,022.32
BCID_2760	3.068851	$ 75,426.81	$ 44,451.95	$ 44,321.92	$ 164,200.68
BCID_2761	1.046822	$ 46,365.25	$ 26,571.34	$ 16,013.84	$ 88,950.43
BCID_2762	0.707439	$ 46,367.29	$ 26,767.06	$ 8,204.00	$ 81,338.35
BCID_2763	0.728719	$ 43,203.07	$ 24,917.44	$ 7,793.61	$ 75,914.12
BCID_2764	-0.00305	$ 29,011.69	$ 15,591.84	$ -	$ 44,603.53
BCID_2787	3.145888	$ 93,177.60	$ 54,911.69	$ 55,311.61	$ 203,400.90
BCID_2819	-0.11907	$ 23,581.77	$ 12,477.08	$ -	$ 36,058.85
BCID_2958	1.360249	$ 61,227.70	$ 34,597.09	$ 21,911.80	$ 117,736.59
BCID_2976	2.656861	$ 74,245.25	$ 43,634.27	$ 41,175.98	$ 159,055.50
BCID_3430	-0.16279	$ 17,607.66	$ 10,862.58	$ -	$ 28,470.23
BCID_3456	0.869464	$ 30,451.16	$ 17,463.46	$ 3,693.23	$ 51,607.85
BCID_3562	2.063503	$ 33,636.05	$ 18,732.90	$ 27,178.05	$ 79,547.00
BCID_3563	-0.5787	$ 1,777.61	$ 2,429.25	$ -	$ 4,206.86
BCID_3582	0.532034	$ 37,533.84	$ 21,849.33	$ 3,284.05	$ 62,667.22
BCID_3592	1.271704	$ 176,023.93	$ 356,167.25	$ (18,759.61)	$ 513,431.57
BCID_3594	-0.04768	$ 14,163.18	$ 8,607.92	$ -	$ 22,771.10
BCID_3600	0.104821	$ 20,865.18	$ 12,493.72	$ 1,365.24	$ 34,724.15

	Post-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_3603	0.246805	$ 4,264.01	$ 7,499.27	$ -	$ 11,763.28
BCID_3606	0.300042	$ 26,229.83	$ 15,478.28	$ 4,332.67	$ 46,040.78
BCID_3618	0.675534	$ 50,435.34	$ 29,156.74	$ 8,655.32	$ 88,247.39
BCID_3647	0.997492	$ 36,098.63	$ 20,659.79	$ 12,100.75	$ 68,859.17
BCID_3696	1.653878	$ 38,565.60	$ 21,646.55	$ 6,739.40	$ 66,951.54
BCID_3697	-0.26369	$ 20,061.75	$ 12,573.58	$ -	$ 32,635.33
BCID_3707	-0.0017	$ 18,217.58	$ 11,014.18	$ -	$ 29,231.77
BCID_3748	-0.0968	$ 32,319.86	$ 19,761.89	$ -	$ 52,081.75
BCID_3779	-0.33471	$ 14,092.88	$ 8,948.77	$ -	$ 23,041.64
BCID_3783	2.124979	$ 27,037.38	$ 15,040.06	$ 22,162.88	$ 64,240.32
BCID_3790	0.734592	$ 20,782.97	$ 11,983.60	$ 6,655.79	$ 39,422.35
BCID_3864	3.604211	$ 63,251.87	$ 34,580.73	$ 34,606.07	$ 132,438.68
BCID_3913	-0.34776	$ 24,202.19	$ 15,408.17	$ -	$ 39,610.36
BCID_3915	1.013769	$ 30,904.61	$ 17,633.14	$ 12,055.68	$ 60,593.43
BCID_3922	0.382036	$ 24,966.34	$ 14,656.20	$ 5,002.87	$ 44,625.41
BCID_3925	2.146328	$ 194,419.69	$ 520,453.20	$ (17,696.46)	$ 697,176.44
BCID_3927	-0.02636	$ 13,732.10	$ 8,325.28	$ -	$ 22,057.37
BCID_3932	0.02743	$ 19,793.72	$ 11,933.71	$ 357.91	$ 32,085.35
BCID_3933	1.62074	$ 41,567.14	$ 23,347.54	$ 21,109.34	$ 86,024.03
BCID_3978	3.743942	$ 43,889.13	$ 23,977.64	$ 24,404.86	$ 92,271.64
BCID_4030	4.799726	$ 143,798.58	$ 297,976.95	$ (7,616.52)	$ 434,159.01
BCID_4032	1.007004	$ 31,804.66	$ 18,150.56	$ 12,355.40	$ 62,310.62
BCID_4038	1.987568	$ 40,108.19	$ 75,980.70	$ (3,170.01)	$ 112,918.88
BCID_4043	1.405644	$ 38,831.63	$ 21,917.61	$ 18,307.82	$ 79,057.06
BCID_4103	10.63151	$ 91,391.71	$ 47,669.20	$ 87,656.98	$ 226,717.88
BCID_4145	1.010737	$ 785,493.51	$ 2,180,307.35	$ (2,077.96)	$ 2,963,722.90
BCID_4151	0.360707	$ 88,654.42	$ 179,537.59	$ -	$ 268,192.01
BCID_4159	0.415262	$ 23,625.71	$ 13,142.82	$ 7,524.98	$ 44,293.51
BCID_4164	-0.51631	$ 19,473.25	$ 12,920.93	$ -	$ 32,394.18
BCID_4177	1.145887	$ 52,024.32	$ 29,889.52	$ 18,976.03	$ 100,889.88
BCID_4181	0.63422	$ 67,208.86	$ 38,927.36	$ 11,053.54	$ 117,189.76
BCID_4242	-0.3123	$ 19,051.85	$ 12,045.47	$ -	$ 31,097.33
BCID_4243	2.305369	$ 28,221.88	$ 75,019.57	$ (2,517.69)	$ 100,723.76
BCID_4244	0.024987	$ 6,286.83	$ 8,001.74	$ -	$ 14,288.56
BCID_4249	0.601862	$ 122,062.57	$ 247,193.75	$ -	$ 369,256.32
BCID_4250	0.9907	$ 10,762.86	$ 27,448.00	$ -	$ 38,210.87
BCID_4251	2.094443	$ 76,182.03	$ 156,527.01	$ (6,000.48)	$ 226,708.56
BCID_4254	0.823233	$ 29,338.31	$ 16,855.31	$ 10,100.63	$ 56,294.25
BCID_4262	4.470531	$ 117,220.53	$ 63,708.94	$ 53,516.07	$ 234,445.54
BCID_4286	2.71206	$ 94,909.89	$ 55,805.73	$ 53,082.82	$ 203,798.44
BCID_4301	3.274683	$ 56,384.91	$ 30,882.62	$ 13,488.78	$ 100,756.32
BCID_4325	0.235381	$ 21,415.28	$ 12,693.72	$ 2,888.00	$ 36,997.00
BCID_4328	1.439091	$ 36,981.22	$ 20,856.49	$ 17,656.87	$ 75,494.58
BCID_4359	0.618161	$ 502,058.26	$ 1,393,604.93	$ -	$ 1,895,663.20

	Post-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4360	4.506505	$ 58,393.36	$ 148,802.98	$ (4,054.22)	$ 203,142.12
BCID_4407	1.63926	$ 62,050.12	$ 125,448.46	$ (5,645.24)	$ 181,853.34
BCID_4474	1.361328	$ 40,139.84	$ 22,680.66	$ 18,597.89	$ 81,418.39
BCID_4475	1.965692	$ 31,468.57	$ 17,558.32	$ 17,531.92	$ 66,558.81
BCID_4608	0.65938	$ 52,533.28	$ 84,657.19	$ -	$ 137,190.46
BCID_4614	1.191053	$ 104,669.56	$ 179,258.76	$ (6,468.23)	$ 277,460.09
BCID_4648	0.463248	$ 25,710.78	$ 15,022.21	$ 5,968.00	$ 46,700.98
BCID_4649	0.170072	$ 21,008.94	$ 12,513.64	$ 2,134.84	$ 35,657.42
BCID_4650	0.846694	$ 30,338.84	$ 17,414.20	$ 10,628.21	$ 58,381.25
BCID_4651	0.817138	$ 9,703.44	$ 26,934.64	$ -	$ 36,638.07
BCID_4675	-0.08026	$ 923.21	$ 1,077.43	$ -	$ 2,000.64
BCID_4676	-0.08126	$ 907.52	$ 1,059.39	$ -	$ 1,966.91
BCID_4678	-0.09643	$ 1,737.33	$ 2,035.83	$ -	$ 3,773.16
BCID_4729	1.228686	$ 51,546.71	$ 29,673.35	$ 19,583.86	$ 100,803.93
BCID_4765	0.98624	$ 32,263.04	$ 18,424.89	$ 12,379.89	$ 63,067.81
BCID_4766	0.751315	$ 29,023.67	$ 16,723.40	$ 9,430.96	$ 55,178.03

Structure ID	Pre-Mitigation, 20% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0528	0.673867	$ 26,274.19	$ 15,190.29	$ 5,935.94	$ 47,400.42
BCID_0563	1.325366	$ 29,111.49	$ 16,464.09	$ 9,923.63	$ 55,499.21
BCID_1556	0.296057	$ 32,430.35	$ 19,142.30	$ 5,298.50	$ 56,871.15
BCID_1730	2.898179	$ 46,900.84	$ 25,766.27	$ 17,656.60	$ 90,323.71
BCID_1738	0.073511	$ 27,962.71	$ 16,788.71	$ 742.49	$ 45,493.90
BCID_1745	1.572441	$ 42,288.31	$ 23,777.32	$ 11,974.75	$ 78,040.38
BCID_1746	5.399612	$ 71,451.41	$ 38,565.28	$ 46,898.08	$ 156,914.77
BCID_1754	0.731817	$ 23,349.77	$ 13,465.23	$ 4,223.80	$ 41,038.79
BCID_1826	1.247089	$ 47,960.95	$ 27,620.80	$ 18,377.65	$ 93,959.40
BCID_2626	-0.0486	$ 41,462.26	$ 25,202.17	$ -	$ 66,664.42
BCID_2627	0.982631	$ 76,324.87	$ 43,593.27	$ 16,548.19	$ 136,466.33
BCID_2648	0.087259	$ 40,873.05	$ 24,510.73	$ 1,275.97	$ 66,659.75
BCID_2668	0.987489	$ 65,015.58	$ 37,127.73	$ 14,136.48	$ 116,279.80
BCID_2787	-0.18833	$ 27,954.46	$ 14,631.59	$ -	$ 42,586.06
BCID_4103	0.777974	$ 25,855.47	$ 14,881.41	$ 6,414.41	$ 47,151.29
BCID_4262	0.890995	$ 52,125.82	$ 29,869.56	$ 10,665.97	$ 92,661.35
BCID_4286	-0.36968	$ 26,737.38	$ 13,505.90	$ -	$ 40,243.28

Structure ID	Pre-Mitigation, 10% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0176	-0.01983	$ 9,699.12	$ 5,875.87	$ -	$ 15,574.99
BCID_0528	4.526528	$ 65,860.39	$ 35,779.10	$ 39,873.17	$ 141,512.66
BCID_0563	5.077899	$ 59,663.03	$ 32,279.43	$ 38,020.57	$ 129,963.03
BCID_0652	0.2675	$ 14,117.28	$ 8,349.02	$ 2,120.73	$ 24,587.03
BCID_0653	0.13076	$ 11,849.24	$ 7,079.90	$ 950.27	$ 19,879.41
BCID_0656	1.01508	$ 29,447.46	$ 16,801.05	$ 11,496.45	$ 57,744.96
BCID_0678	0.775674	$ 127,358.47	$ 254,185.54	$ -	$ 381,544.00
BCID_1286	0.343819	$ 10,703.68	$ 17,855.59	$ -	$ 28,559.27
BCID_1306	-0.06381	$ 16,797.01	$ 10,228.40	$ -	$ 27,025.41
BCID_1341	-0.96358	$ 4,232.15	$ 3,809.40	$ -	$ 8,041.56
BCID_1344	0.057804	$ 25,679.59	$ 15,439.41	$ 957.46	$ 42,076.46
BCID_1390	1.00465	$ 35,687.41	$ 20,367.91	$ 13,843.62	$ 69,898.94
BCID_1401	1.134614	$ 35,384.77	$ 20,115.85	$ 14,777.78	$ 70,278.39
BCID_1402	0.768251	$ 18,478.23	$ 10,639.62	$ 6,090.66	$ 35,208.51
BCID_1406	0.206474	$ 27,171.64	$ 16,139.73	$ 3,273.83	$ 46,585.21
BCID_1440	0.154965	$ 3,883.44	$ 5,799.34	$ -	$ 9,682.79
BCID_1459	0.527305	$ 23,984.81	$ 13,965.55	$ 6,121.37	$ 44,071.74
BCID_1460	0.325037	$ 24,015.89	$ 14,148.64	$ 4,233.45	$ 42,397.97
BCID_1461	0.120506	$ 19,867.01	$ 11,880.49	$ 1,478.55	$ 33,226.05
BCID_1485	1.989378	$ 44,621.31	$ 24,886.84	$ 24,995.34	$ 94,503.49
BCID_1508	0.124666	$ 19,425.00	$ 11,612.19	$ 1,491.34	$ 32,528.53
BCID_1555	0.865071	$ 39,419.13	$ 22,610.28	$ 13,992.05	$ 76,021.46
BCID_1556	2.843352	$ 77,142.77	$ 42,412.62	$ 50,887.18	$ 170,442.57
BCID_1557	1.570988	$ 32,035.62	$ 18,013.14	$ 16,013.22	$ 66,061.99
BCID_1591	0.147485	$ 5,911.49	$ 8,793.92	$ -	$ 14,705.41
BCID_1664	0.493105	$ 216,721.87	$ 432,539.48	$ -	$ 649,261.35
BCID_1702	-0.23817	$ 15,613.73	$ 9,744.07	$ -	$ 25,357.81
BCID_1730	3.706162	$ 53,774.66	$ 29,383.95	$ 22,579.09	$ 105,737.70
BCID_1738	0.850954	$ 43,196.56	$ 24,790.33	$ 8,594.98	$ 76,581.87
BCID_1745	2.356773	$ 52,162.49	$ 28,895.26	$ 17,947.74	$ 99,005.49
BCID_1746	6.323143	$ 77,554.63	$ 41,616.89	$ 54,919.36	$ 174,090.89
BCID_1754	1.550786	$ 31,834.56	$ 17,908.04	$ 8,950.61	$ 58,693.22
BCID_1826	2.335643	$ 65,587.97	$ 38,429.10	$ 34,419.07	$ 138,436.15
BCID_1872	-0.30991	$ 21,900.85	$ 11,208.48	$ -	$ 33,109.33
BCID_2626	1.02764	$ 75,845.87	$ 43,256.31	$ 16,894.28	$ 135,996.46
BCID_2627	2.046123	$ 107,150.89	$ 59,695.85	$ 34,458.13	$ 201,304.87
BCID_2648	1.157449	$ 70,736.38	$ 40,186.49	$ 16,925.24	$ 127,848.11
BCID_2649	0.61719	$ 38,794.63	$ 21,834.13	$ 9,441.51	$ 70,070.27
BCID_2650	-0.12978	$ 29,009.82	$ 17,814.98	$ -	$ 46,824.80
BCID_2668	2.070046	$ 91,621.53	$ 51,020.18	$ 29,633.94	$ 172,275.65
BCID_2760	0.627681	$ 36,801.39	$ 20,723.57	$ 9,065.30	$ 66,590.25
BCID_2787	0.813079	$ 48,570.42	$ 27,592.14	$ 14,295.71	$ 90,458.27
BCID_2958	-0.14369	$ 27,372.55	$ 16,841.50	$ -	$ 44,214.05

	Pre-Mitigation, 10% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_2976	0.145463	$ 30,850.36	$ 16,819.45	$ 2,254.38	$ 49,924.19
BCID_3915	0.125784	$ 19,324.66	$ 11,551.14	$ 1,495.81	$ 32,371.61
BCID_3922	-0.4751	$ 11,946.09	$ 7,834.71	$ -	$ 19,780.80
BCID_3933	0.764524	$ 30,303.77	$ 17,451.36	$ 9,957.55	$ 57,712.68
BCID_4030	1.058008	$ 60,384.87	$ 99,970.02	$ (4,795.62)	$ 155,559.27
BCID_4032	0.150833	$ 20,275.75	$ 12,095.18	$ 1,850.64	$ 34,221.58
BCID_4043	0.551159	$ 27,251.09	$ 15,847.94	$ 7,178.58	$ 50,277.60
BCID_4103	4.570988	$ 61,977.62	$ 33,658.11	$ 37,687.87	$ 133,323.60
BCID_4159	0.167768	$ 20,689.67	$ 11,301.58	$ 3,040.13	$ 35,031.38
BCID_4254	-0.04968	$ 17,505.56	$ 10,641.84	$ -	$ 28,147.40
BCID_4262	1.985935	$ 75,010.05	$ 41,838.17	$ 23,773.34	$ 140,621.56
BCID_4286	0.559121	$ 48,322.74	$ 27,112.17	$ 10,943.61	$ 86,378.52
BCID_4328	0.617165	$ 26,560.93	$ 15,396.49	$ 7,572.28	$ 49,529.70
BCID_4474	0.458939	$ 27,200.05	$ 15,896.17	$ 6,269.82	$ 49,366.05
BCID_4475	1.101689	$ 23,944.14	$ 13,625.10	$ 9,825.92	$ 47,395.16
BCID_4650	0.008983	$ 18,787.69	$ 11,346.92	$ 112.75	$ 30,247.36

Structure ID	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
			Pre-Mitigation, 4% AEP Event		
BCID_0122	0.414077	$ 11,644.42	$ 6,477.22	$ 3,700.46	$ 21,822.10
BCID_0176	0.7152	$ 15,067.13	$ 8,695.06	$ 2,755.99	$ 26,518.19
BCID_0177	0.058708	$ 17,277.11	$ 10,386.72	$ 380.00	$ 28,043.83
BCID_0351	2.002628	$ 29,223.24	$ 16,294.96	$ 12,260.29	$ 57,778.50
BCID_0528	7.589303	$ 85,817.27	$ 45,711.39	$ 66,852.47	$ 198,381.14
BCID_0552	0.226501	$ 18,940.80	$ 11,234.18	$ 841.96	$ 31,016.94
BCID_0563	8.115375	$ 75,196.24	$ 39,915.50	$ 60,763.55	$ 175,875.29
BCID_0582	1.193787	$ 34,762.52	$ 19,728.98	$ 11,167.78	$ 65,659.28
BCID_0633	1.866407	$ 201,483.60	$ 378,236.48	$ (16,380.45)	$ 563,339.63
BCID_0635	1.422245	$ 195,824.70	$ 396,083.36	$ (19,483.74)	$ 572,424.32
BCID_0647	1.51658	$ 643,427.52	$ 1,177,494.47	$ (46,067.87)	$ 1,774,854.12
BCID_0652	1.992796	$ 28,181.88	$ 15,717.08	$ 15,798.81	$ 59,697.77
BCID_0653	1.865311	$ 24,928.75	$ 13,934.44	$ 13,555.77	$ 52,418.95
BCID_0654	1.109904	$ 39,644.94	$ 22,553.96	$ 16,341.51	$ 78,540.41
BCID_0655	0.938201	$ 29,699.83	$ 16,989.61	$ 11,068.48	$ 57,757.92
BCID_0656	2.709294	$ 47,470.35	$ 26,149.18	$ 30,684.53	$ 104,304.06
BCID_0674	1.64389	$ 108,977.52	$ 289,506.25	$ (11,049.05)	$ 387,434.72
BCID_0677	-0.10669	$ 16,082.90	$ 9,846.39	$ -	$ 25,929.29
BCID_0678	2.474756	$ 309,884.66	$ 603,368.89	$ (9,730.10)	$ 903,523.45
BCID_0680	-0.0254	$ 7,514.68	$ 8,653.10	$ -	$ 16,167.78
BCID_0683	0.013661	$ 21,757.98	$ 13,134.99	$ 232.87	$ 35,125.85
BCID_0684	0.109109	$ 19,811.56	$ 10,766.15	$ 2,305.23	$ 32,882.94
BCID_0691	0.759991	$ 40,391.61	$ 81,798.66	$ -	$ 122,190.27
BCID_0705	1.461482	$ 142,608.24	$ 288,419.86	$ (13,950.24)	$ 417,077.86
BCID_0706	1.472495	$ 20,264.91	$ 40,984.03	$ (1,973.07)	$ 59,275.88
BCID_0707	1.598568	$ 49,675.43	$ 27,915.05	$ 19,263.40	$ 96,853.87
BCID_0708	0.411938	$ 21,163.74	$ 12,401.78	$ 1,531.28	$ 35,096.80
BCID_0727	1.182643	$ 24,388.31	$ 13,845.54	$ 7,792.39	$ 46,026.25
BCID_0728	1.575452	$ 44,555.64	$ 25,050.52	$ 16,653.37	$ 86,259.53
BCID_0730	-0.34442	$ 11,679.81	$ 7,430.86	$ -	$ 19,110.67
BCID_0900	-0.31924	$ 15,258.59	$ 9,659.91	$ -	$ 24,918.50
BCID_1270	-0.02578	$ 27,271.38	$ 16,532.56	$ -	$ 43,803.94
BCID_1279	0.10238	$ 42,660.53	$ 25,549.67	$ 2,730.92	$ 70,941.12
BCID_1281	0.832177	$ 31,271.70	$ 17,959.77	$ 10,838.69	$ 60,070.16
BCID_1282	1.589758	$ 46,543.52	$ 26,160.04	$ 23,406.57	$ 96,110.13
BCID_1286	2.037178	$ 51,988.44	$ 73,536.84	$ (2,385.03)	$ 123,140.25
BCID_1287	-0.1478	$ 15,648.33	$ 9,633.44	$ -	$ 25,281.76
BCID_1288	0.908648	$ 50,688.83	$ 29,027.23	$ 18,534.59	$ 98,250.64
BCID_1294	0.669611	$ 28,945.81	$ 16,738.09	$ 8,721.35	$ 54,405.26
BCID_1295	0.895615	$ 32,179.32	$ 18,436.50	$ 11,664.94	$ 62,280.77
BCID_1296	0.830839	$ 31,252.56	$ 17,949.72	$ 10,821.27	$ 60,023.55
BCID_1297	1.498391	$ 40,011.15	$ 22,534.19	$ 19,515.81	$ 82,061.15
BCID_1298	0.080126	$ 20,511.87	$ 12,308.14	$ 1,043.61	$ 33,863.62

	Pre-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1305	0.311846	$ 138,585.54	$ 280,655.08	$ -	$ 419,240.63
BCID_1306	1.693941	$ 38,879.58	$ 21,804.81	$ 20,184.21	$ 80,868.61
BCID_1340	1.31177	$ 37,637.77	$ 21,293.55	$ 17,085.16	$ 76,016.48
BCID_1341	0.777809	$ 30,825.29	$ 17,741.97	$ 10,240.69	$ 58,807.96
BCID_1342	0.73787	$ 29,922.42	$ 17,251.06	$ 9,610.39	$ 56,783.87
BCID_1343	0.645436	$ 22,382.56	$ 12,957.20	$ 6,578.99	$ 41,918.75
BCID_1344	1.793331	$ 55,653.96	$ 31,151.13	$ 29,704.34	$ 116,509.43
BCID_1345	1.828781	$ 81,805.67	$ 117,852.86	$ (3,968.92)	$ 195,689.61
BCID_1346	0.634364	$ 811,139.44	$ 1,353,120.93	$ -	$ 2,164,260.37
BCID_1352	2.229146	$ 59,744.91	$ 33,170.03	$ 50,112.68	$ 143,027.61
BCID_1353	2.512998	$ 61,373.43	$ 33,909.82	$ 54,393.73	$ 149,676.97
BCID_1363	-1.04193	$ 18,876.98	$ 32,152.41	$ -	$ 51,029.39
BCID_1378	0.411314	$ 19,046.08	$ 52,867.79	$ -	$ 71,913.87
BCID_1385	0.32153	$ 19,222.82	$ 38,928.89	$ -	$ 58,151.71
BCID_1390	2.732097	$ 58,034.52	$ 31,957.78	$ 37,647.07	$ 127,639.37
BCID_1391	0.709956	$ 26,741.89	$ 15,435.95	$ 8,375.75	$ 50,553.60
BCID_1392	-0.36965	$ 13,542.63	$ 8,661.02	$ -	$ 22,203.66
BCID_1393	0.262804	$ 23,125.50	$ 13,680.96	$ 3,422.90	$ 40,229.35
BCID_1394	-0.07648	$ 18,160.65	$ 11,075.95	$ -	$ 29,236.60
BCID_1395	0.339306	$ 29,485.25	$ 17,354.96	$ 5,380.00	$ 52,220.22
BCID_1396	0.138561	$ 25,640.69	$ 15,310.58	$ 2,167.58	$ 43,118.86
BCID_1399	0.03768	$ 21,887.82	$ 13,183.73	$ 539.66	$ 35,611.22
BCID_1401	2.861428	$ 56,349.80	$ 30,972.99	$ 37,268.69	$ 124,591.47
BCID_1402	2.494112	$ 31,714.92	$ 17,528.33	$ 19,773.22	$ 69,016.47
BCID_1403	1.008088	$ 38,181.18	$ 21,788.82	$ 14,842.43	$ 74,812.43
BCID_1404	-0.21347	$ 16,002.74	$ 9,947.50	$ -	$ 25,950.24
BCID_1405	1.115179	$ 29,408.65	$ 16,727.95	$ 12,156.51	$ 58,293.11
BCID_1406	1.901382	$ 54,948.47	$ 30,694.34	$ 30,148.16	$ 115,790.97
BCID_1419	0.602319	$ 135,818.25	$ 346,370.67	$ -	$ 482,188.93
BCID_1421	-0.40036	$ 833.57	$ 4,167.86	$ -	$ 5,001.43
BCID_1423	1.380354	$ 148,762.49	$ 266,146.28	$ (13,826.47)	$ 401,082.30
BCID_1432	0.414564	$ 11,720.08	$ 18,570.02	$ -	$ 30,290.10
BCID_1440	1.882092	$ 24,786.89	$ 47,933.52	$ (1,659.38)	$ 71,061.03
BCID_1441	1.763469	$ 43,382.32	$ 24,296.38	$ 22,968.32	$ 90,647.02
BCID_1442	0.098901	$ 20,780.48	$ 12,449.23	$ 1,288.13	$ 34,517.84
BCID_1443	-0.10585	$ 17,698.07	$ 10,834.05	$ -	$ 28,532.11
BCID_1445	0.955108	$ 33,030.51	$ 18,883.59	$ 12,439.81	$ 64,353.91
BCID_1446	0.739255	$ 29,616.78	$ 17,073.84	$ 9,523.78	$ 56,214.40
BCID_1447	0.007289	$ 23,259.43	$ 27,675.87	$ -	$ 50,935.30
BCID_1449	0.822037	$ 39,584.94	$ 22,743.23	$ 13,616.03	$ 75,944.21
BCID_1450	0.30598	$ 17,893.45	$ 10,554.81	$ 3,003.37	$ 31,451.63
BCID_1451	0.186887	$ 20,242.64	$ 12,041.66	$ 2,235.68	$ 34,519.98
BCID_1452	0.580241	$ 28,669.60	$ 16,648.60	$ 7,831.17	$ 53,149.37
BCID_1453	0.784426	$ 30,588.52	$ 17,600.93	$ 10,216.77	$ 58,406.21

	Pre-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1454	1.239988	$ 61,824.95	$ 35,043.56	$ 27,999.58	$ 124,868.08
BCID_1459	2.222205	$ 43,637.76	$ 24,230.49	$ 25,797.13	$ 93,665.39
BCID_1460	2.01922	$ 46,612.64	$ 25,982.69	$ 26,299.35	$ 98,894.68
BCID_1461	1.858093	$ 42,001.03	$ 23,480.48	$ 22,797.81	$ 88,279.31
BCID_1464	1.39101	$ 46,206.59	$ 26,089.52	$ 21,661.89	$ 93,958.00
BCID_1479	0.867218	$ 30,679.41	$ 17,595.86	$ 10,906.31	$ 59,181.57
BCID_1480	0.841407	$ 29,867.70	$ 17,147.27	$ 10,422.87	$ 57,437.85
BCID_1481	0.384408	$ 27,230.23	$ 15,982.90	$ 5,482.91	$ 48,696.04
BCID_1485	3.685316	$ 62,592.63	$ 34,205.96	$ 46,303.79	$ 143,102.37
BCID_1487	0.590077	$ 24,684.73	$ 39,640.17	$ -	$ 64,324.90
BCID_1489	-0.097	$ 16,221.71	$ 9,918.97	$ -	$ 26,140.68
BCID_1492	-0.0551	$ 13,504.56	$ 8,214.87	$ -	$ 21,719.43
BCID_1503	0.851914	$ 32,926.00	$ 18,895.40	$ 11,578.18	$ 63,399.59
BCID_1504	1.960285	$ 1,015,262.08	$ 2,814,301.55	$ (77,603.24)	$ 3,751,960.39
BCID_1508	0.422697	$ 23,341.41	$ 13,669.29	$ 5,056.61	$ 42,067.31
BCID_1514	0.058936	$ 26,652.03	$ 16,022.45	$ 1,012.35	$ 43,686.84
BCID_1515	0.36718	$ 32,468.32	$ 19,077.47	$ 6,307.14	$ 57,852.93
BCID_1517	0.267458	$ 9,263.58	$ 18,760.05	$ -	$ 28,023.63
BCID_1519	-0.45052	$ 14,724.56	$ 9,595.20	$ -	$ 24,319.76
BCID_1525	0.356183	$ 17,645.67	$ 35,217.72	$ -	$ 52,863.39
BCID_1527	0.0245	$ 17,144.35	$ 10,339.22	$ 277.47	$ 27,761.04
BCID_1528	0.817795	$ 25,044.10	$ 14,391.31	$ 8,586.71	$ 48,022.11
BCID_1531	0.913053	$ 25,379.08	$ 14,531.13	$ 9,306.83	$ 49,217.04
BCID_1532	1.145336	$ 31,917.54	$ 18,139.16	$ 13,404.08	$ 63,460.77
BCID_1536	1.134557	$ 214,046.08	$ 361,550.52	$ (16,676.91)	$ 558,919.70
BCID_1541	-0.19286	$ 9,938.45	$ 6,158.36	$ -	$ 16,096.82
BCID_1544	0.841341	$ 17,952.42	$ 36,356.16	$ -	$ 54,308.58
BCID_1548	0.308522	$ 50,470.66	$ 100,730.73	$ -	$ 151,201.38
BCID_1550	0.323748	$ 19,215.34	$ 11,321.40	$ 3,376.38	$ 33,913.12
BCID_1551	-0.31183	$ 15,081.70	$ 9,534.51	$ -	$ 24,616.22
BCID_1553	1.292463	$ 88,027.55	$ 49,826.42	$ 39,629.32	$ 177,483.29
BCID_1554	-0.14933	$ 15,035.13	$ 7,918.79	$ -	$ 22,953.92
BCID_1555	2.612499	$ 66,403.87	$ 36,632.05	$ 42,255.76	$ 145,291.68
BCID_1556	4.577444	$ 100,526.98	$ 54,590.34	$ 81,922.06	$ 237,039.38
BCID_1557	3.315998	$ 47,855.45	$ 26,204.68	$ 33,800.27	$ 107,860.40
BCID_1559	1.176937	$ 12,597.65	$ 21,502.23	$ (971.51)	$ 33,128.37
BCID_1560	0.142431	$ 24,057.40	$ 35,688.81	$ -	$ 59,746.21
BCID_1575	0.565676	$ 212,234.43	$ 429,804.37	$ -	$ 642,038.80
BCID_1577	0.531456	$ 72,206.34	$ 144,111.41	$ -	$ 216,317.75
BCID_1588	1.077774	$ 119,546.32	$ 242,031.61	$ (14,056.60)	$ 347,521.34
BCID_1591	2.728967	$ 48,393.83	$ 98,084.00	$ (2,917.95)	$ 143,559.89
BCID_1593	0.174196	$ 5,028.10	$ 7,575.18	$ -	$ 12,603.29
BCID_1596	0.090295	$ 22,509.78	$ 13,495.13	$ 1,281.51	$ 37,286.43
BCID_1606	0.886136	$ 30,186.10	$ 17,300.61	$ 10,872.41	$ 58,359.12

| | Pre-Mitigation, 4% AEP Event | | | | |
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1607	0.762513	$ 23,693.48	$ 13,645.76	$ 7,772.37	$ 45,111.60
BCID_1616	0.690823	$ 27,553.70	$ 15,917.94	$ 8,476.03	$ 51,947.67
BCID_1617	0.563142	$ 37,457.59	$ 21,770.36	$ 10,018.70	$ 69,246.65
BCID_1619	-0.19986	$ 152.49	$ 762.45	$ -	$ 914.94
BCID_1624	0.208297	$ 20,159.66	$ 11,973.06	$ 2,879.93	$ 35,012.65
BCID_1661	0.17788	$ 23,101.24	$ 13,751.60	$ 2,442.71	$ 39,295.55
BCID_1663	0.028466	$ 26,077.11	$ 15,720.47	$ 488.97	$ 42,286.55
BCID_1664	2.219195	$ 783,100.86	$ 1,526,519.01	$ (25,350.53)	$ 2,284,269.34
BCID_1682	1.076676	$ 164,025.00	$ 332,083.67	$ (19,297.95)	$ 476,810.71
BCID_1692	0.922043	$ 153,385.72	$ 310,627.51	$ -	$ 464,013.24
BCID_1693	-0.06595	$ 776.74	$ 3,883.68	$ -	$ 4,660.42
BCID_1696	0.278361	$ 21,444.70	$ 12,673.04	$ 3,329.96	$ 37,447.71
BCID_1697	0.670772	$ 21,833.44	$ 36,421.95	$ -	$ 58,255.39
BCID_1698	1.150241	$ 152,949.83	$ 303,700.14	$ (7,075.69)	$ 449,574.28
BCID_1699	0.109418	$ 20,930.95	$ 12,528.26	$ 1,425.11	$ 34,884.32
BCID_1701	0.229267	$ 21,538.01	$ 12,772.08	$ 2,840.04	$ 37,150.13
BCID_1702	1.457194	$ 39,487.22	$ 22,260.31	$ 18,979.24	$ 80,726.77
BCID_1703	0.833633	$ 13,814.25	$ 23,044.56	$ -	$ 36,858.82
BCID_1729	0.11583	$ 10,188.21	$ 20,632.55	$ -	$ 30,820.76
BCID_1730	4.438744	$ 59,425.39	$ 32,305.66	$ 27,042.20	$ 118,773.25
BCID_1732	2.567509	$ 388,608.14	$ 756,355.76	$ (12,074.99)	$ 1,132,888.91
BCID_1738	1.531389	$ 55,372.62	$ 31,162.47	$ 15,467.65	$ 102,002.74
BCID_1745	3.053093	$ 60,396.26	$ 33,123.98	$ 23,250.48	$ 116,770.72
BCID_1746	6.667602	$ 79,599.79	$ 42,639.47	$ 57,911.15	$ 180,150.41
BCID_1754	2.303564	$ 39,052.23	$ 21,652.82	$ 13,295.39	$ 74,000.44
BCID_1826	3.523372	$ 83,655.83	$ 49,294.25	$ 51,921.97	$ 184,872.05
BCID_1869	-0.27575	$ 35,499.67	$ 22,295.81	$ -	$ 57,795.48
BCID_1870	0.375021	$ 33,547.00	$ 18,612.96	$ 5,576.57	$ 57,736.54
BCID_1872	0.382031	$ 34,438.87	$ 19,116.71	$ 5,810.96	$ 59,366.55
BCID_1893	0.552231	$ 39,782.83	$ 22,312.23	$ 8,927.36	$ 71,022.42
BCID_2626	2.234068	$ 109,444.51	$ 60,757.54	$ 36,727.82	$ 206,929.87
BCID_2627	3.2262	$ 137,559.38	$ 75,364.18	$ 54,331.44	$ 267,254.99
BCID_2648	2.350389	$ 100,014.77	$ 55,408.96	$ 34,369.45	$ 189,793.17
BCID_2649	1.819292	$ 59,564.41	$ 34,676.09	$ 27,830.76	$ 122,071.26
BCID_2650	1.009464	$ 56,597.42	$ 32,296.99	$ 12,468.52	$ 101,362.93
BCID_2657	0.507201	$ 37,364.23	$ 20,902.24	$ 7,867.36	$ 66,133.84
BCID_2668	3.281007	$ 118,009.90	$ 64,632.91	$ 46,969.55	$ 229,612.36
BCID_2719	-0.3309	$ 22,344.79	$ 14,177.97	$ -	$ 36,522.76
BCID_2760	1.764064	$ 55,344.12	$ 32,190.80	$ 25,477.52	$ 113,012.44
BCID_2761	-0.30595	$ 22,100.67	$ 11,319.96	$ -	$ 33,420.63
BCID_2787	1.873015	$ 69,515.11	$ 40,502.63	$ 32,931.71	$ 142,949.45
BCID_2958	0.593465	$ 44,585.33	$ 25,874.16	$ 9,559.92	$ 80,019.41
BCID_2976	1.327599	$ 51,833.13	$ 29,903.94	$ 20,575.11	$ 102,312.18
BCID_3562	1.008026	$ 24,107.43	$ 13,757.39	$ 13,276.54	$ 51,141.36

	Pre-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_3592	0.597716	$ 89,808.14	$ 181,874.02	$ -	$ 271,682.16
BCID_3594	0.884858	$ 24,367.17	$ 13,966.27	$ 8,768.90	$ 47,102.34
BCID_3598	-0.07948	$ 18,113.51	$ 11,051.30	$ -	$ 29,164.80
BCID_3600	0.87391	$ 31,868.79	$ 18,273.39	$ 11,382.25	$ 61,524.43
BCID_3611	0.3581	$ 5,896.23	$ 9,835.93	$ -	$ 15,732.15
BCID_3697	0.50133	$ 34,999.60	$ 20,407.04	$ 8,611.46	$ 64,018.11
BCID_3700	-0.11458	$ 22,857.25	$ 14,008.27	$ -	$ 36,865.52
BCID_3703	0.120573	$ 2,654.81	$ 5,298.54	$ -	$ 7,953.35
BCID_3707	0.923118	$ 30,684.55	$ 17,562.43	$ 11,326.16	$ 59,573.14
BCID_3778	0.444818	$ 32,721.38	$ 19,138.13	$ 7,367.87	$ 59,227.37
BCID_3779	0.594816	$ 27,875.71	$ 16,176.02	$ 7,747.19	$ 51,798.91
BCID_3783	1.068903	$ 19,527.74	$ 11,122.92	$ 11,148.33	$ 41,798.99
BCID_3790	0.341411	$ 16,869.67	$ 9,928.13	$ 3,093.36	$ 29,891.16
BCID_3792	0.434069	$ 69,316.19	$ 138,343.16	$ -	$ 207,659.34
BCID_3864	0.582696	$ 27,351.01	$ 15,880.96	$ 5,594.80	$ 48,826.76
BCID_3913	0.433014	$ 44,546.08	$ 26,071.73	$ 9,828.77	$ 80,446.57
BCID_3915	1.842641	$ 40,529.27	$ 22,664.21	$ 21,912.58	$ 85,106.06
BCID_3922	1.221315	$ 36,685.70	$ 20,804.68	$ 15,993.48	$ 73,483.86
BCID_3932	0.93072	$ 32,740.80	$ 18,734.20	$ 12,144.13	$ 63,619.12
BCID_3933	2.491277	$ 52,070.32	$ 28,779.75	$ 32,447.66	$ 113,297.72
BCID_3978	0.722427	$ 19,908.59	$ 11,485.42	$ 4,709.14	$ 36,103.15
BCID_4030	3.58122	$ 119,484.48	$ 244,741.30	$ 6,697.88	$ 370,923.67
BCID_4032	1.876343	$ 42,219.67	$ 23,594.76	$ 23,021.72	$ 88,836.15
BCID_4038	0.937778	$ 24,138.67	$ 40,741.93	$ -	$ 64,880.60
BCID_4043	2.278592	$ 49,611.35	$ 27,519.53	$ 29,677.53	$ 106,808.42
BCID_4103	7.608662	$ 80,419.85	$ 42,830.93	$ 62,733.53	$ 185,984.32
BCID_4145	0.264697	$ 206,565.26	$ 573,380.40	$ -	$ 779,945.67
BCID_4146	0.342583	$ 24,266.92	$ 14,280.49	$ 4,461.97	$ 43,009.38
BCID_4159	1.406926	$ 35,226.27	$ 20,356.73	$ 25,494.99	$ 81,077.99
BCID_4177	-0.01486	$ 29,875.73	$ 16,032.65	$ -	$ 45,908.38
BCID_4235	-0.06477	$ 18,145.78	$ 11,051.01	$ -	$ 29,196.78
BCID_4242	0.553786	$ 35,989.40	$ 20,926.93	$ 9,512.51	$ 66,428.84
BCID_4243	1.223635	$ 19,364.95	$ 50,238.14	$ 2,228.98	$ 71,832.07
BCID_4246	0.459412	$ 15,318.71	$ 8,952.28	$ 4,158.05	$ 28,429.03
BCID_4251	1.028868	$ 46,565.22	$ 94,291.19	$ (5,624.01)	$ 135,232.40
BCID_4254	1.67211	$ 39,772.89	$ 22,315.77	$ 20,515.90	$ 82,604.55
BCID_4255	0.604005	$ 47,149.36	$ 26,517.95	$ 19,952.19	$ 93,619.50
BCID_4262	3.153705	$ 96,590.80	$ 52,941.83	$ 37,752.54	$ 187,285.17
BCID_4286	1.509274	$ 69,433.51	$ 40,205.46	$ 29,540.84	$ 139,179.82
BCID_4301	0.251688	$ 21,323.03	$ 12,624.42	$ 1,036.73	$ 34,984.18
BCID_4325	1.150889	$ 33,528.46	$ 19,051.64	$ 14,120.79	$ 66,700.89
BCID_4326	0.243626	$ 23,844.63	$ 14,125.39	$ 3,311.07	$ 41,281.09
BCID_4327	-0.00126	$ 18,224.17	$ 11,017.62	$ -	$ 29,241.79
BCID_4328	2.357475	$ 47,594.48	$ 26,364.51	$ 28,924.96	$ 102,883.94

	Pre-Mitigation, 4% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4329	-0.04	$ 17,649.25	$ 10,716.98	$ -	$ 28,366.23
BCID_4359	1.571499	$ 1,095,161.18	$ 3,037,027.09	$ 97,089.94	$ 4,229,278.20
BCID_4360	0.931767	$ 21,146.41	$ 53,928.67	$ -	$ 75,075.08
BCID_4407	0.574266	$ 25,387.84	$ 51,413.93	$ -	$ 76,801.77
BCID_4426	-0.13928	$ 16,549.37	$ 10,176.14	$ -	$ 26,725.51
BCID_4427	-0.1397	$ 18,719.61	$ 11,511.28	$ -	$ 30,230.89
BCID_4429	-0.02226	$ 18,325.87	$ 11,105.14	$ -	$ 29,431.01
BCID_4430	-0.18047	$ 15,924.01	$ 9,849.12	$ -	$ 25,773.12
BCID_4466	0.352002	$ 31,761.98	$ 18,680.06	$ 5,967.53	$ 56,409.57
BCID_4473	0.283135	$ 59,013.19	$ 117,780.16	$ -	$ 176,793.35
BCID_4474	2.153206	$ 50,517.45	$ 28,086.31	$ 29,416.18	$ 108,019.94
BCID_4475	2.795636	$ 38,066.49	$ 20,942.81	$ 24,934.16	$ 83,943.45
BCID_4481	-0.16601	$ 16,143.47	$ 9,963.88	$ -	$ 26,107.35
BCID_4521	0.705144	$ 10,983.64	$ 18,322.61	$ -	$ 29,306.25
BCID_4522	0.450766	$ 7,021.33	$ 11,712.80	$ -	$ 18,734.13
BCID_4614	0.132917	$ 18,847.36	$ 27,803.81	$ -	$ 46,651.18
BCID_4648	1.338027	$ 37,558.96	$ 21,234.76	$ 17,237.71	$ 76,031.43
BCID_4649	1.048665	$ 33,049.25	$ 18,836.34	$ 13,163.48	$ 65,049.07
BCID_4650	1.745143	$ 41,585.87	$ 23,298.66	$ 21,906.09	$ 86,790.62
BCID_4651	1.764229	$ 17,407.65	$ 48,263.11	$ 1,429.23	$ 67,100.00
BCID_4652	0.55992	$ 7,523.86	$ 20,884.62	$ -	$ 28,408.48
BCID_4657	0.828201	$ 57,199.52	$ 92,755.67	$ -	$ 149,955.19
BCID_4672	-0.16811	$ 834.58	$ 996.48	$ -	$ 1,831.05
BCID_4673	-0.0042	$ 944.17	$ 1,081.76	$ -	$ 2,025.93
BCID_4674	0.208425	$ 6,894.62	$ 10,519.00	$ -	$ 17,413.62
BCID_4675	0.838818	$ 11,514.11	$ 18,677.37	$ -	$ 30,191.48
BCID_4676	0.838968	$ 11,326.44	$ 18,373.02	$ -	$ 29,699.47
BCID_4678	0.826378	$ 21,562.39	$ 34,964.00	$ -	$ 56,526.39
BCID_4729	0.154097	$ 31,887.11	$ 17,397.72	$ 2,456.13	$ 51,740.96
BCID_4742	-0.10814	$ 17,022.06	$ 10,423.33	$ -	$ 27,445.39
BCID_4765	1.870575	$ 43,123.27	$ 24,102.30	$ 23,480.59	$ 90,706.16
BCID_4766	1.633365	$ 40,215.82	$ 22,582.50	$ 20,502.98	$ 83,301.30

Structure ID	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0122	1.534331	$ 18,092.44	$ 10,481.38	$ 13,711.78	$ 42,285.60
BCID_0176	1.018789	$ 17,263.05	$ 9,848.16	$ 3,925.86	$ 31,037.07
BCID_0177	0.366455	$ 21,042.02	$ 12,364.25	$ 2,371.96	$ 35,778.23
BCID_0351	3.701595	$ 40,950.51	$ 22,377.00	$ 22,661.53	$ 85,989.04
BCID_0471	0.263858	$ 8,817.61	$ 17,406.20	$ 9,113.00	$ 35,336.81
BCID_0473	0.950518	$ 68,801.58	$ 135,816.12	$ 71,106.42	$ 275,724.12
BCID_0474	0.9543	$ 69,024.03	$ 136,255.22	$ 71,336.32	$ 276,615.56
BCID_0475	0.956139	$ 114,786.52	$ 226,591.58	$ 118,631.85	$ 460,009.94
BCID_0476	0.713382	$ 85,604.79	$ 168,986.08	$ 88,472.53	$ 343,063.40
BCID_0528	9.29696	$ 93,337.18	$ 49,162.92	$ 81,894.84	$ 224,394.94
BCID_0529	0.662982	$ 33,319.74	$ 19,273.15	$ 7,446.08	$ 60,038.97
BCID_0551	1.499315	$ 113,174.33	$ 313,876.47	$ (10,345.32)	$ 416,705.48
BCID_0552	1.927414	$ 38,095.34	$ 21,270.19	$ 7,164.67	$ 66,530.20
BCID_0563	9.813816	$ 80,889.37	$ 42,478.60	$ 73,480.55	$ 196,848.52
BCID_0567	1.689509	$ 42,749.27	$ 23,977.20	$ 16,549.35	$ 83,275.82
BCID_0579	0.422992	$ 65,813.49	$ 182,683.98	$ -	$ 248,497.46
BCID_0582	2.894104	$ 54,569.47	$ 29,980.91	$ 27,074.11	$ 111,624.50
BCID_0583	0.782479	$ 25,605.62	$ 14,734.89	$ 6,375.73	$ 46,716.23
BCID_0584	1.135949	$ 22,831.56	$ 12,978.99	$ 7,124.50	$ 42,935.05
BCID_0633	2.492864	$ 236,520.95	$ 482,986.22	$ (17,811.76)	$ 701,695.41
BCID_0635	2.049496	$ 255,016.23	$ 519,874.95	$ (20,232.98)	$ 754,658.21
BCID_0647	1.820993	$ 711,378.01	$ 1,364,517.43	$ (48,124.24)	$ 2,027,771.20
BCID_0652	3.103277	$ 35,911.02	$ 19,689.05	$ 24,602.66	$ 80,202.74
BCID_0653	2.981506	$ 32,216.18	$ 17,679.02	$ 21,667.49	$ 71,562.69
BCID_0654	2.213595	$ 55,232.93	$ 30,673.68	$ 32,591.55	$ 118,498.16
BCID_0655	2.041899	$ 42,459.10	$ 23,656.76	$ 24,089.43	$ 90,205.29
BCID_0656	3.814686	$ 57,559.57	$ 31,435.08	$ 43,203.83	$ 132,198.48
BCID_0674	2.2704	$ 132,126.77	$ 351,749.26	$ (11,838.21)	$ 472,037.83
BCID_0677	0.999462	$ 30,615.73	$ 17,476.25	$ 11,838.38	$ 59,930.36
BCID_0678	3.569093	$ 384,755.51	$ 730,508.35	$ (10,841.83)	$ 1,104,422.03
BCID_0680	1.683197	$ 137,946.03	$ 259,398.29	$ (7,690.44)	$ 389,653.88
BCID_0683	1.568844	$ 45,501.79	$ 25,586.17	$ 26,743.50	$ 97,831.46
BCID_0684	1.805085	$ 39,426.88	$ 22,947.66	$ 38,137.52	$ 100,512.05
BCID_0691	1.357014	$ 65,125.73	$ 131,746.58	$ (6,670.71)	$ 190,201.60
BCID_0701	0.106225	$ 108,338.02	$ 300,722.87	$ -	$ 409,060.89
BCID_0705	3.164286	$ 229,532.61	$ 528,799.09	$ (15,403.04)	$ 742,928.66
BCID_0706	3.180938	$ 32,570.87	$ 74,980.58	$ (2,179.09)	$ 105,372.36
BCID_0707	3.306607	$ 73,461.38	$ 40,228.15	$ 39,845.95	$ 153,535.47
BCID_0708	2.113301	$ 39,966.33	$ 22,236.98	$ 7,855.66	$ 70,058.97
BCID_0727	2.890269	$ 38,404.95	$ 21,101.10	$ 19,043.88	$ 78,549.94
BCID_0728	3.275716	$ 66,022.97	$ 36,161.27	$ 34,626.06	$ 136,810.30
BCID_0729	0.54866	$ 22,802.70	$ 13,262.65	$ 4,470.55	$ 40,535.90
BCID_0730	1.354571	$ 31,991.34	$ 18,079.47	$ 11,037.20	$ 61,108.02

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0732	0.097029	$ 15,866.05	$ 9,506.59	$ 721.37	$ 26,094.01
BCID_0800	0.657092	$ 68,548.46	$ 116,453.34	$ -	$ 185,001.80
BCID_0803	1.694362	$ 26,136.93	$ 51,245.07	$ (961.30)	$ 76,420.69
BCID_0870	-0.59476	$ 4,995.04	$ 6,870.65	$ -	$ 11,865.69
BCID_0873	0.80279	$ 25,234.31	$ 14,509.29	$ 12,116.48	$ 51,860.08
BCID_0884	-0.07935	$ 16,638.75	$ 10,151.36	$ -	$ 26,790.11
BCID_0887	0.277047	$ 19,229.75	$ 11,365.10	$ 4,213.88	$ 34,808.73
BCID_0888	0.498517	$ 52,424.04	$ 104,629.33	$ -	$ 157,053.37
BCID_0899	0.308344	$ 20,998.75	$ 12,384.61	$ 4,173.30	$ 37,556.66
BCID_0900	1.383904	$ 41,034.69	$ 23,173.35	$ 27,178.83	$ 91,386.87
BCID_0909	0.731037	$ 24,583.74	$ 14,177.30	$ 11,119.05	$ 49,880.09
BCID_0911	0.117031	$ 47,826.17	$ 26,008.78	$ 7,153.38	$ 80,988.33
BCID_0912	0.931195	$ 450,289.94	$ 257,055.24	$ 361,891.42	$ 1,069,236.61
BCID_1043	0.417659	$ 39,114.58	$ 67,267.23	$ -	$ 106,381.81
BCID_1081	0.336782	$ 22,212.41	$ 13,076.28	$ 1,372.36	$ 36,661.05
BCID_1270	0.523983	$ 38,638.85	$ 22,502.00	$ 13,907.69	$ 75,048.55
BCID_1279	1.21586	$ 74,584.38	$ 42,303.55	$ 32,432.20	$ 149,320.13
BCID_1281	1.954468	$ 45,811.37	$ 25,566.12	$ 25,455.98	$ 96,833.47
BCID_1282	2.693708	$ 61,507.77	$ 33,889.53	$ 39,660.42	$ 135,057.72
BCID_1285	0.955493	$ 105,109.13	$ 209,779.70	$ -	$ 314,888.83
BCID_1286	3.236016	$ 67,251.11	$ 96,661.40	$ (2,697.85)	$ 161,214.66
BCID_1287	0.960521	$ 30,408.94	$ 17,381.53	$ 11,490.45	$ 59,280.92
BCID_1288	2.019816	$ 73,011.92	$ 40,697.62	$ 41,200.17	$ 154,909.71
BCID_1289	0.701727	$ 120,239.31	$ 203,987.37	$ -	$ 324,226.68
BCID_1290	0.858689	$ 252,460.07	$ 503,866.76	$ -	$ 756,326.82
BCID_1294	1.779631	$ 43,587.85	$ 24,403.82	$ 23,178.81	$ 91,170.48
BCID_1295	1.998009	$ 46,365.10	$ 25,855.57	$ 26,023.08	$ 98,243.74
BCID_1296	1.953337	$ 45,796.98	$ 25,558.59	$ 25,441.25	$ 96,796.82
BCID_1297	2.602662	$ 53,358.09	$ 29,439.73	$ 33,898.39	$ 116,696.21
BCID_1298	1.174407	$ 35,890.84	$ 20,380.38	$ 15,296.07	$ 71,567.29
BCID_1299	0.562865	$ 25,183.36	$ 14,636.78	$ 6,733.40	$ 46,553.54
BCID_1300	0.347381	$ 28,722.13	$ 16,897.15	$ 5,340.01	$ 50,959.30
BCID_1305	1.43429	$ 566,241.71	$ 1,145,272.90	$ (56,043.82)	$ 1,655,470.80
BCID_1306	2.823969	$ 51,155.69	$ 28,132.74	$ 33,649.10	$ 112,937.53
BCID_1339	0.404628	$ 147,618.18	$ 298,947.44	$ -	$ 446,565.62
BCID_1340	2.423525	$ 51,287.00	$ 28,378.30	$ 31,565.22	$ 111,230.52
BCID_1341	1.899887	$ 45,607.63	$ 25,477.22	$ 25,014.06	$ 96,098.90
BCID_1342	1.841546	$ 44,375.26	$ 24,815.42	$ 23,985.22	$ 93,175.91
BCID_1343	1.748952	$ 33,806.89	$ 18,939.03	$ 17,827.23	$ 70,573.15
BCID_1344	2.908779	$ 72,358.47	$ 39,746.37	$ 48,180.37	$ 160,285.20
BCID_1345	2.960617	$ 107,874.54	$ 157,464.62	$ (4,471.86)	$ 260,867.30
BCID_1346	1.765552	$ 1,920,090.45	$ 2,788,362.93	$ (95,048.67)	$ 4,613,404.71
BCID_1349	0.874158	$ 38,801.11	$ 22,248.14	$ 13,860.59	$ 74,909.84
BCID_1352	2.846745	$ 68,443.99	$ 37,628.31	$ 63,996.72	$ 170,069.02

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1353	3.131292	$ 69,535.97	$ 38,118.16	$ 67,776.66	$ 175,430.80
BCID_1354	-0.30235	$ 229.49	$ -	$ -	$ 229.49
BCID_1355	0.161018	$ 9,859.17	$ 27,366.92	$ -	$ 37,226.08
BCID_1363	-0.30448	$ 33,100.32	$ 41,097.43	$ -	$ 74,197.75
BCID_1378	0.995009	$ 46,074.29	$ 127,892.25	$ -	$ 173,966.54
BCID_1385	0.78352	$ 46,843.11	$ 94,863.85	$ -	$ 141,706.96
BCID_1390	3.843898	$ 70,343.46	$ 38,411.27	$ 52,967.19	$ 161,721.91
BCID_1391	1.804454	$ 39,767.70	$ 22,254.39	$ 21,288.16	$ 83,310.25
BCID_1392	0.722693	$ 29,705.28	$ 17,137.01	$ 9,412.72	$ 56,255.01
BCID_1393	1.366114	$ 38,328.90	$ 21,654.82	$ 17,792.96	$ 77,776.68
BCID_1394	1.015938	$ 33,875.50	$ 19,326.91	$ 13,232.09	$ 66,434.50
BCID_1395	1.458652	$ 48,093.98	$ 27,111.31	$ 23,128.27	$ 98,333.56
BCID_1396	1.231845	$ 43,985.39	$ 24,937.24	$ 19,270.45	$ 88,193.08
BCID_1397	0.00135	$ 18,489.30	$ 11,174.91	$ 16.78	$ 29,680.99
BCID_1398	0.325063	$ 68,161.50	$ 138,036.56	$ -	$ 206,198.06
BCID_1399	1.171668	$ 39,428.61	$ 22,391.01	$ 16,780.90	$ 78,600.53
BCID_1401	3.97284	$ 67,793.43	$ 36,996.01	$ 51,744.28	$ 156,533.73
BCID_1402	3.604944	$ 39,000.16	$ 21,321.88	$ 28,579.85	$ 88,901.90
BCID_1403	2.103051	$ 53,788.17	$ 29,933.24	$ 30,963.96	$ 114,685.38
BCID_1404	0.878904	$ 31,940.24	$ 18,310.92	$ 11,447.29	$ 61,698.45
BCID_1405	2.22418	$ 40,996.04	$ 22,762.81	$ 24,245.67	$ 88,004.52
BCID_1406	3.038643	$ 71,026.04	$ 38,957.36	$ 48,180.48	$ 158,163.88
BCID_1408	-6.1E-05	$ 24,170.56	$ 14,610.66	$ -	$ 38,781.22
BCID_1419	1.163789	$ 244,329.94	$ 631,203.82	$ (28,708.37)	$ 846,825.39
BCID_1420	-0.93011	$ 1,040.52	$ 1,693.59	$ -	$ 2,734.11
BCID_1421	0.179719	$ 35,217.12	$ 63,162.38	$ -	$ 98,379.50
BCID_1423	1.895666	$ 184,464.51	$ 347,077.02	$ (14,892.54)	$ 516,648.98
BCID_1432	1.002737	$ 25,719.51	$ 41,921.64	$ (2,072.08)	$ 65,569.07
BCID_1434	-0.04734	$ 20,542.38	$ 12,484.50	$ -	$ 33,026.88
BCID_1440	2.993581	$ 32,607.63	$ 66,688.18	$ (1,916.08)	$ 97,379.74
BCID_1441	2.875446	$ 56,511.87	$ 31,056.05	$ 37,451.26	$ 125,019.18
BCID_1442	1.191705	$ 36,110.83	$ 20,495.38	$ 15,521.36	$ 72,127.57
BCID_1443	0.997757	$ 33,640.71	$ 19,204.10	$ 12,995.29	$ 65,840.10
BCID_1445	2.07875	$ 47,300.89	$ 26,335.42	$ 27,074.69	$ 100,710.99
BCID_1446	1.832494	$ 43,779.06	$ 24,486.17	$ 23,607.90	$ 91,873.13
BCID_1447	1.10342	$ 311,565.99	$ 522,096.70	$ (19,667.99)	$ 813,994.70
BCID_1449	1.956177	$ 58,287.74	$ 32,527.87	$ 32,401.67	$ 123,217.29
BCID_1450	1.439525	$ 29,589.14	$ 16,687.37	$ 14,129.76	$ 60,406.27
BCID_1451	1.295202	$ 34,375.94	$ 19,456.50	$ 15,494.14	$ 69,326.59
BCID_1452	1.712061	$ 44,276.67	$ 24,822.55	$ 23,106.68	$ 92,205.90
BCID_1453	1.897425	$ 45,085.92	$ 25,186.90	$ 24,713.03	$ 94,985.85
BCID_1454	2.341405	$ 84,741.42	$ 46,954.66	$ 52,870.17	$ 184,566.25
BCID_1455	0.083224	$ 10,958.88	$ 21,872.03	$ -	$ 32,830.91
BCID_1459	3.326011	$ 54,592.32	$ 29,891.94	$ 38,610.99	$ 123,095.25

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	**Building Damage**	**Contents Damage**	**Relocation Cost**	**Total Damages**
BCID_1460	3.12652	$ 59,231.82	$ 32,470.59	$ 40,721.38	$ 132,423.79
BCID_1461	2.97757	$ 54,348.08	$ 29,825.73	$ 36,533.18	$ 120,706.98
BCID_1462	0.75939	$ 39,868.96	$ 22,964.68	$ 13,044.22	$ 75,877.86
BCID_1464	2.525691	$ 62,733.71	$ 34,654.38	$ 39,332.03	$ 136,720.12
BCID_1479	1.982536	$ 44,579.20	$ 24,866.29	$ 24,932.77	$ 94,378.27
BCID_1480	1.960204	$ 43,639.97	$ 24,351.87	$ 24,281.91	$ 92,273.75
BCID_1481	1.506242	$ 43,925.90	$ 24,734.53	$ 21,483.90	$ 90,144.34
BCID_1484	0.024349	$ 1,501.55	$ 2,996.83	$ -	$ 4,498.38
BCID_1485	4.778875	$ 72,287.32	$ 39,195.34	$ 60,043.70	$ 171,526.36
BCID_1486	-0.15496	$ 16,924.42	$ 10,429.48	$ -	$ 27,353.90
BCID_1487	1.81062	$ 53,520.76	$ 102,514.13	$ (3,627.18)	$ 152,407.70
BCID_1488	0.74723	$ 129,291.90	$ 209,101.21	$ -	$ 338,393.11
BCID_1489	1.27544	$ 33,808.38	$ 19,145.15	$ 17,775.99	$ 70,729.52
BCID_1490	0.544811	$ 16,040.30	$ 9,331.29	$ 4,930.98	$ 30,302.58
BCID_1491	-0.32168	$ 11,241.74	$ 7,120.25	$ -	$ 18,361.99
BCID_1492	1.61088	$ 30,255.48	$ 16,997.54	$ 18,023.47	$ 65,276.50
BCID_1493	1.172674	$ 26,186.83	$ 14,870.75	$ 13,120.56	$ 54,178.14
BCID_1503	1.958062	$ 47,850.85	$ 26,702.61	$ 26,611.60	$ 101,165.07
BCID_1504	2.482754	$ 1,153,453.36	$ 3,359,327.32	$ (79,018.02)	$ 4,433,762.66
BCID_1508	1.082056	$ 31,886.22	$ 18,155.05	$ 12,944.34	$ 62,985.61
BCID_1509	-0.17823	$ 18,132.62	$ 11,211.48	$ -	$ 29,344.10
BCID_1513	0.456153	$ 18,762.18	$ 10,966.64	$ 4,305.19	$ 34,034.01
BCID_1514	1.154692	$ 47,003.63	$ 26,705.63	$ 19,834.43	$ 93,543.69
BCID_1515	1.471001	$ 52,308.92	$ 29,478.85	$ 25,267.74	$ 107,055.52
BCID_1517	1.387728	$ 43,113.34	$ 87,209.94	$ (4,355.45)	$ 125,967.82
BCID_1518	0.750595	$ 20,942.24	$ 12,067.26	$ 8,002.15	$ 41,011.65
BCID_1519	0.445878	$ 30,898.42	$ 18,070.83	$ 6,969.86	$ 55,939.10
BCID_1520	0.500938	$ 36,554.37	$ 21,314.01	$ 12,735.04	$ 70,603.43
BCID_1521	0.509697	$ 31,607.93	$ 18,421.27	$ 11,151.64	$ 61,180.84
BCID_1522	1.052212	$ 20,900.67	$ 11,910.99	$ 9,815.50	$ 42,627.15
BCID_1523	0.739763	$ 17,687.57	$ 10,196.53	$ 6,695.46	$ 34,579.56
BCID_1525	0.84776	$ 41,998.90	$ 83,822.56	$ -	$ 125,821.46
BCID_1527	0.854799	$ 27,474.23	$ 15,765.02	$ 9,681.16	$ 52,920.41
BCID_1528	1.809357	$ 35,443.52	$ 19,832.68	$ 18,997.94	$ 74,274.14
BCID_1529	-0.21069	$ 16,889.53	$ 10,494.19	$ -	$ 27,383.72
BCID_1530	0.579487	$ 36,173.76	$ 21,007.09	$ 9,871.96	$ 67,052.81
BCID_1531	2.030462	$ 36,581.17	$ 20,386.41	$ 20,696.68	$ 77,664.26
BCID_1532	2.271542	$ 44,505.08	$ 24,690.16	$ 26,584.26	$ 95,779.50
BCID_1535	1.096823	$ 24,787.01	$ 14,106.76	$ 14,372.74	$ 53,266.50
BCID_1536	2.506727	$ 327,722.37	$ 658,576.21	$ (20,231.59)	$ 966,067.00
BCID_1538	0.436104	$ 17,533.83	$ 10,260.31	$ 4,576.70	$ 32,370.84
BCID_1540	0.568844	$ 20,676.23	$ 11,606.89	$ 9,854.80	$ 42,137.92
BCID_1541	1.551465	$ 24,765.47	$ 13,931.22	$ 14,472.76	$ 53,169.45
BCID_1543	0.208188	$ 26,083.58	$ 52,822.90	$ -	$ 78,906.48

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	**Building Damage**	**Contents Damage**	**Relocation Cost**	**Total Damages**
BCID_1544	1.304537	$ 25,440.06	$ 51,470.99	$ (2,669.53)	$ 74,241.51
BCID_1548	0.676182	$ 110,615.71	$ 220,769.88	$ -	$ 331,385.59
BCID_1550	1.154253	$ 28,533.45	$ 16,211.80	$ 12,037.75	$ 56,783.00
BCID_1551	0.907022	$ 33,748.74	$ 19,327.55	$ 12,327.15	$ 65,403.44
BCID_1553	2.402456	$ 120,164.69	$ 66,513.35	$ 73,663.77	$ 260,341.81
BCID_1554	0.976465	$ 27,089.37	$ 15,491.43	$ 15,828.35	$ 58,409.15
BCID_1555	3.736668	$ 81,222.12	$ 44,375.15	$ 60,438.57	$ 186,035.84
BCID_1556	5.693365	$ 113,080.86	$ 60,909.23	$ 101,893.58	$ 275,883.68
BCID_1557	4.438667	$ 56,297.21	$ 30,605.09	$ 45,243.74	$ 132,146.04
BCID_1558	0.745667	$ 23,504.84	$ 13,546.68	$ 10,768.25	$ 47,819.78
BCID_1559	2.551567	$ 19,169.36	$ 38,591.33	$ (1,177.61)	$ 56,583.09
BCID_1560	1.579767	$ 147,228.34	$ 272,345.72	$ (10,410.65)	$ 409,163.41
BCID_1561	0.560748	$ 22,178.55	$ 12,891.73	$ 6,958.97	$ 42,029.26
BCID_1562	0.072976	$ 12,663.54	$ 7,603.50	$ 693.92	$ 20,960.97
BCID_1563	0.304691	$ 12,578.90	$ 25,105.31	$ -	$ 37,684.21
BCID_1564	1.493282	$ 20,841.49	$ 11,739.25	$ 11,940.00	$ 44,520.74
BCID_1566	0.2001	$ 23,114.28	$ 13,736.21	$ 3,188.81	$ 40,039.31
BCID_1575	1.162341	$ 413,637.43	$ 837,217.33	$ (46,526.64)	$ 1,204,328.12
BCID_1577	1.036564	$ 139,299.00	$ 277,644.19	$ (6,842.51)	$ 410,100.68
BCID_1588	1.385551	$ 141,686.58	$ 286,606.02	$ (14,327.55)	$ 413,965.05
BCID_1589	0.190875	$ 72,868.31	$ 147,568.50	$ -	$ 220,436.81
BCID_1591	3.358903	$ 55,200.37	$ 113,014.07	$ (3,146.80)	$ 165,067.64
BCID_1592	0.006241	$ 2,289.64	$ 2,710.60	$ -	$ 5,000.25
BCID_1593	0.883195	$ 19,242.82	$ 31,253.11	$ -	$ 50,495.93
BCID_1596	0.993753	$ 36,594.98	$ 20,893.42	$ 14,103.80	$ 71,592.20
BCID_1606	2.000561	$ 43,707.24	$ 24,372.30	$ 24,545.81	$ 92,625.34
BCID_1607	1.883416	$ 35,145.20	$ 19,638.60	$ 19,197.83	$ 73,981.63
BCID_1608	0.602679	$ 26,188.23	$ 15,191.00	$ 7,344.77	$ 48,724.00
BCID_1610	0.432043	$ 18,141.97	$ 10,618.64	$ 5,661.49	$ 34,422.10
BCID_1611	0.424692	$ 39,476.08	$ 23,115.47	$ 12,159.56	$ 74,751.11
BCID_1613	0.100586	$ 13,643.59	$ 8,172.48	$ 1,010.92	$ 22,826.99
BCID_1614	0.492853	$ 16,079.84	$ 9,379.86	$ 4,597.55	$ 30,057.24
BCID_1615	-0.01408	$ 20,270.87	$ 12,272.43	$ -	$ 32,543.30
BCID_1616	1.795399	$ 41,249.93	$ 23,087.86	$ 22,028.59	$ 86,366.38
BCID_1617	1.676797	$ 57,752.10	$ 32,400.42	$ 29,831.43	$ 119,983.95
BCID_1618	0.81649	$ 30,034.85	$ 17,260.09	$ 14,575.02	$ 61,869.96
BCID_1619	1.534677	$ 33,861.39	$ 61,665.11	$ (3,003.96)	$ 92,522.54
BCID_1620	1.019924	$ 119,660.52	$ 332,136.94	$ (13,857.07)	$ 437,940.39
BCID_1621	0.413969	$ 25,288.94	$ 51,213.63	$ -	$ 76,502.56
BCID_1622	0.232189	$ 9,585.72	$ 19,131.45	$ -	$ 28,717.18
BCID_1623	0.081904	$ 34,879.92	$ 20,926.46	$ 2,131.80	$ 57,938.18
BCID_1624	1.829711	$ 39,898.42	$ 22,316.85	$ 25,297.76	$ 87,513.03
BCID_1661	1.065636	$ 36,382.94	$ 20,725.62	$ 14,633.70	$ 71,742.27
BCID_1663	1.150296	$ 46,929.90	$ 26,667.09	$ 19,758.92	$ 93,355.92

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1664	3.327379	$ 985,289.90	$ 1,888,192.86	$ (28,364.05)	$ 2,845,118.71
BCID_1665	0.962495	$ 29,839.12	$ 76,097.26	$ -	$ 105,936.38
BCID_1666	0.631549	$ 74,860.98	$ 120,478.63	$ -	$ 195,339.60
BCID_1667	0.332602	$ 37,934.30	$ 22,337.61	$ 9,650.76	$ 69,922.68
BCID_1669	0.419838	$ 14,744.82	$ 29,428.11	$ -	$ 44,172.93
BCID_1670	-0.30258	$ 16,185.95	$ 10,214.95	$ -	$ 26,400.90
BCID_1682	1.659027	$ 221,541.44	$ 447,880.06	$ (20,001.84)	$ 649,419.67
BCID_1683	0.182695	$ 5,208.14	$ 7,873.59	$ -	$ 13,081.73
BCID_1692	1.387024	$ 206,998.29	$ 418,718.20	$ (20,918.22)	$ 604,798.27
BCID_1693	0.280191	$ 32,379.83	$ 56,582.97	$ -	$ 88,962.79
BCID_1696	1.12411	$ 32,377.45	$ 18,411.83	$ 13,447.42	$ 64,236.71
BCID_1697	1.864971	$ 50,998.28	$ 73,146.97	$ (2,446.68)	$ 121,698.57
BCID_1698	2.245235	$ 248,374.10	$ 484,102.16	$ (8,014.44)	$ 724,461.82
BCID_1699	1.202038	$ 36,242.25	$ 20,564.08	$ 15,655.96	$ 72,462.28
BCID_1700	0.924127	$ 32,587.26	$ 18,650.77	$ 12,036.30	$ 63,274.33
BCID_1701	1.345463	$ 36,204.33	$ 20,465.05	$ 16,666.84	$ 73,336.23
BCID_1702	2.597381	$ 53,297.03	$ 29,408.44	$ 33,829.60	$ 116,535.06
BCID_1703	1.963806	$ 27,036.56	$ 38,335.78	$ (1,259.34)	$ 64,112.99
BCID_1721	1.409946	$ 457,873.65	$ 926,141.17	$ (45,802.95)	$ 1,338,211.87
BCID_1729	0.489342	$ 43,041.76	$ 87,165.58	$ -	$ 130,207.34
BCID_1730	4.832574	$ 62,293.44	$ 33,763.19	$ 29,441.53	$ 125,498.17
BCID_1732	4.266148	$ 531,984.19	$ 979,035.81	$ (14,195.95)	$ 1,496,824.06
BCID_1738	1.900468	$ 61,801.11	$ 34,522.81	$ 19,195.50	$ 115,519.42
BCID_1745	3.427101	$ 64,303.21	$ 35,189.08	$ 26,098.70	$ 125,590.99
BCID_1746	6.929504	$ 81,154.78	$ 43,416.97	$ 60,185.88	$ 184,757.64
BCID_1754	2.706541	$ 42,698.41	$ 23,521.49	$ 15,621.24	$ 81,841.13
BCID_1824	-0.01363	$ 25,076.28	$ 13,459.14	$ -	$ 38,535.42
BCID_1826	4.094207	$ 91,981.21	$ 54,185.13	$ 60,334.05	$ 206,500.39
BCID_1854	-0.34611	$ 25,405.69	$ 12,902.00	$ -	$ 38,307.69
BCID_1869	0.301558	$ 55,961.07	$ 33,019.43	$ 5,255.72	$ 94,236.21
BCID_1870	0.95117	$ 43,452.27	$ 24,824.74	$ 14,143.94	$ 82,420.94
BCID_1872	0.762852	$ 41,136.03	$ 23,316.63	$ 11,603.53	$ 76,056.19
BCID_1893	1.102448	$ 50,001.76	$ 28,696.51	$ 17,822.16	$ 96,520.44
BCID_2053	-0.20216	$ 25,615.73	$ 13,376.46	$ -	$ 38,992.19
BCID_2059	-0.78816	$ 11,337.66	$ 8,504.91	$ -	$ 19,842.57
BCID_2108	-0.20299	$ 34,913.19	$ 21,667.29	$ -	$ 56,580.47
BCID_2626	2.817183	$ 124,472.81	$ 68,459.54	$ 46,314.16	$ 239,246.51
BCID_2627	3.802448	$ 150,871.11	$ 82,400.38	$ 64,035.86	$ 297,307.35
BCID_2648	2.929971	$ 113,301.10	$ 62,218.20	$ 42,844.61	$ 218,363.91
BCID_2649	2.398588	$ 69,104.36	$ 40,515.09	$ 36,692.59	$ 146,312.03
BCID_2650	1.560592	$ 68,336.30	$ 38,433.22	$ 19,275.85	$ 126,045.37
BCID_2657	1.009482	$ 46,366.20	$ 26,545.39	$ 15,658.42	$ 88,570.01
BCID_2668	3.864098	$ 129,460.05	$ 70,685.13	$ 55,316.85	$ 255,462.04
BCID_2669	-0.13461	$ 23,997.73	$ 12,667.75	$ -	$ 36,665.48

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_2670	-0.08638	$ 20,252.91	$ 10,766.20	$ -	$ 31,019.11
BCID_2719	-0.01404	$ 30,225.24	$ 18,298.94	$ -	$ 48,524.18
BCID_2760	2.314487	$ 63,956.45	$ 37,465.02	$ 33,427.01	$ 134,848.48
BCID_2761	0.269108	$ 32,638.29	$ 17,973.38	$ 4,116.71	$ 54,728.38
BCID_2762	-0.07881	$ 28,499.40	$ 17,386.43	$ -	$ 45,885.83
BCID_2763	-0.04451	$ 27,066.61	$ 16,444.07	$ -	$ 43,510.68
BCID_2787	2.410514	$ 79,646.62	$ 46,701.40	$ 42,382.11	$ 168,730.13
BCID_2958	0.907124	$ 51,767.98	$ 29,646.86	$ 14,612.56	$ 96,027.40
BCID_2976	1.893479	$ 61,628.96	$ 35,918.92	$ 29,345.10	$ 126,892.99
BCID_3562	1.57246	$ 29,231.04	$ 16,435.64	$ 20,710.60	$ 66,377.29
BCID_3592	1.06658	$ 156,567.52	$ 316,996.16	$ (18,521.50)	$ 455,042.18
BCID_3594	2.007668	$ 35,364.52	$ 19,717.36	$ 19,895.89	$ 74,977.77
BCID_3596	0.209347	$ 22,360.67	$ 13,279.23	$ 2,726.65	$ 38,366.55
BCID_3597	-0.00313	$ 23,025.49	$ 13,923.18	$ -	$ 36,948.67
BCID_3598	1.014387	$ 33,855.77	$ 19,316.60	$ 13,211.89	$ 66,384.26
BCID_3600	1.967973	$ 45,983.11	$ 25,655.89	$ 25,631.87	$ 97,270.88
BCID_3601	0.336411	$ 25,405.07	$ 14,956.13	$ 4,603.85	$ 44,965.05
BCID_3603	-0.2693	$ 90.53	$ 452.64	$ -	$ 543.16
BCID_3611	1.538352	$ 22,273.64	$ 33,401.22	$ (1,192.58)	$ 54,482.28
BCID_3618	-0.07118	$ 31,696.07	$ 19,318.40	$ -	$ 51,014.47
BCID_3647	0.222849	$ 25,233.78	$ 13,846.24	$ 2,703.42	$ 41,783.44
BCID_3683	0.893577	$ 133,582.66	$ 225,635.52	$ -	$ 359,218.18
BCID_3696	0.3313	$ 22,140.37	$ 13,038.44	$ 1,350.02	$ 36,528.83
BCID_3697	1.594691	$ 54,383.52	$ 30,563.30	$ 27,392.40	$ 112,339.21
BCID_3698	0.776005	$ 37,091.52	$ 21,350.18	$ 12,304.28	$ 70,745.98
BCID_3700	1.008187	$ 43,965.07	$ 25,089.42	$ 17,091.89	$ 86,146.39
BCID_3703	1.290289	$ 26,436.38	$ 52,283.07	$ (1,143.46)	$ 77,575.99
BCID_3707	2.044273	$ 44,183.31	$ 24,616.28	$ 25,082.13	$ 93,881.73
BCID_3767	1.847885	$ 30,885.57	$ 17,269.70	$ 19,674.80	$ 67,830.07
BCID_3778	1.561464	$ 51,903.85	$ 29,190.84	$ 25,863.74	$ 106,958.43
BCID_3779	1.7171	$ 42,792.61	$ 23,988.13	$ 22,364.39	$ 89,145.13
BCID_3783	1.634943	$ 23,596.57	$ 13,249.80	$ 17,051.95	$ 53,898.32
BCID_3787	0.166105	$ 23,809.85	$ 14,186.33	$ 2,369.20	$ 40,365.39
BCID_3790	1.233436	$ 25,489.77	$ 14,450.64	$ 11,175.58	$ 51,115.99
BCID_3791	0.00643	$ 19,616.10	$ 11,850.14	$ 84.44	$ 31,550.67
BCID_3792	1.60515	$ 226,488.03	$ 444,783.16	$ (8,604.16)	$ 662,667.03
BCID_3864	2.281686	$ 49,017.55	$ 27,188.66	$ 21,907.76	$ 98,113.97
BCID_3865	1.553071	$ 122,758.00	$ 324,679.23	$ (12,762.40)	$ 434,674.84
BCID_3913	1.529068	$ 70,409.49	$ 39,626.94	$ 34,707.56	$ 144,743.98
BCID_3915	2.946706	$ 52,350.03	$ 28,741.04	$ 35,042.06	$ 116,133.13
BCID_3918	1.00373	$ 377,377.00	$ 764,230.60	$ (46,226.94)	$ 1,095,380.66
BCID_3920	-0.0227	$ 16,049.73	$ 9,726.32	$ -	$ 25,776.04
BCID_3922	2.348375	$ 50,692.16	$ 28,084.82	$ 30,752.65	$ 109,529.64
BCID_3923	0.054143	$ 25,612.97	$ 15,404.42	$ 896.81	$ 41,914.19

| | Pre-Mitigation, 2% AEP Event | | | | |
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_3925	0.41156	$ 51,145.61	$ 130,434.15	$ -	$ 181,579.76
BCID_3927	0.23487	$ 16,468.00	$ 9,761.62	$ 2,216.72	$ 28,446.34
BCID_3932	2.047854	$ 47,028.73	$ 26,199.73	$ 26,720.61	$ 99,949.07
BCID_3933	3.602651	$ 64,048.50	$ 35,016.55	$ 46,922.75	$ 145,987.80
BCID_3978	2.421417	$ 34,360.82	$ 19,013.31	$ 15,783.99	$ 69,158.12
BCID_3984	0.984984	$ 133,850.96	$ 341,353.58	$ -	$ 475,204.55
BCID_4019	1.064834	$ 124,761.21	$ 252,600.66	$ (14,772.92)	$ 362,588.95
BCID_4030	4.256834	$ 133,599.78	$ 274,898.03	$ (7,207.23)	$ 401,290.58
BCID_4032	2.987518	$ 54,456.43	$ 29,881.26	$ 36,655.24	$ 120,992.93
BCID_4033	-0.17295	$ 12,450.64	$ 7,692.35	$ -	$ 20,142.99
BCID_4036	0.610787	$ 25,660.35	$ 14,878.99	$ 8,546.54	$ 49,085.88
BCID_4038	1.487171	$ 32,821.68	$ 59,463.36	$ (2,952.43)	$ 89,332.61
BCID_4043	3.390385	$ 61,901.15	$ 33,881.52	$ 44,158.09	$ 139,940.77
BCID_4044	0.875336	$ 64,991.56	$ 37,263.81	$ 27,339.93	$ 129,595.31
BCID_4103	9.308812	$ 87,402.81	$ 46,033.92	$ 76,751.29	$ 210,188.02
BCID_4106	0.106171	$ 2,101.49	$ 5,359.32	$ -	$ 7,460.81
BCID_4145	0.773669	$ 603,759.62	$ 1,675,905.87	$ -	$ 2,279,665.49
BCID_4146	1.448952	$ 39,382.40	$ 22,205.52	$ 18,871.88	$ 80,459.80
BCID_4152	0.305804	$ 39,696.89	$ 23,416.28	$ 9,435.45	$ 72,548.62
BCID_4159	2.406583	$ 46,438.03	$ 27,228.23	$ 43,609.82	$ 117,276.08
BCID_4164	-1.08593	$ 5,725.53	$ 5,496.51	$ -	$ 11,222.05
BCID_4177	0.451231	$ 38,818.97	$ 21,643.50	$ 7,472.44	$ 67,934.91
BCID_4181	-0.1468	$ 40,300.05	$ 24,806.10	$ -	$ 65,106.15
BCID_4196	0.384026	$ 26,391.08	$ 15,490.71	$ 7,522.73	$ 49,404.52
BCID_4235	1.029644	$ 33,679.69	$ 19,206.96	$ 13,264.83	$ 66,151.48
BCID_4240	0.048838	$ 16,941.62	$ 10,194.09	$ 553.12	$ 27,688.83
BCID_4242	1.663702	$ 55,541.01	$ 31,168.35	$ 28,577.83	$ 115,287.19
BCID_4243	1.850913	$ 24,926.28	$ 66,812.54	$ (2,396.40)	$ 89,342.41
BCID_4245	0.361977	$ 349,123.37	$ 582,398.19	$ -	$ 931,521.56
BCID_4246	1.845673	$ 26,238.13	$ 14,671.69	$ 16,704.84	$ 57,614.66
BCID_4249	0.40832	$ 82,810.56	$ 167,702.95	$ -	$ 250,513.51
BCID_4250	0.484131	$ 5,259.55	$ 13,413.17	$ -	$ 18,672.72
BCID_4251	1.620001	$ 63,631.12	$ 128,649.52	$ (5,832.86)	$ 186,447.77
BCID_4254	2.779685	$ 52,192.86	$ 28,721.18	$ 34,105.24	$ 115,019.28
BCID_4255	1.728291	$ 70,928.63	$ 41,231.29	$ 57,090.94	$ 169,250.87
BCID_4262	3.714	$ 105,791.20	$ 57,804.91	$ 44,459.75	$ 208,055.87
BCID_4286	2.007329	$ 80,313.72	$ 46,885.85	$ 39,289.21	$ 166,488.77
BCID_4301	1.952166	$ 42,506.02	$ 23,722.45	$ 8,041.19	$ 74,269.65
BCID_4325	2.270144	$ 46,643.33	$ 25,877.04	$ 27,853.45	$ 100,373.83
BCID_4326	1.365086	$ 39,981.73	$ 22,589.21	$ 18,552.59	$ 81,123.53
BCID_4327	1.121323	$ 33,174.25	$ 18,866.48	$ 13,758.03	$ 65,798.76
BCID_4328	3.477234	$ 59,140.33	$ 32,354.85	$ 42,663.79	$ 134,158.98
BCID_4329	1.082428	$ 32,708.27	$ 18,622.90	$ 13,280.81	$ 64,611.98
BCID_4336	0.271917	$ 114,915.78	$ 226,846.74	$ 118,765.44	$ 460,527.96

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4342	0.121948	$ 23,022.38	$ 13,765.76	$ 1,732.18	$ 38,520.32
BCID_4343	-0.02768	$ 18,243.53	$ 11,062.08	$ -	$ 29,305.60
BCID_4344	0.129976	$ 23,147.64	$ 13,831.56	$ 1,846.21	$ 38,825.42
BCID_4345	0.178148	$ 21,120.29	$ 12,572.13	$ 2,236.22	$ 35,928.64
BCID_4346	-0.12129	$ 16,822.42	$ 10,318.93	$ -	$ 27,141.35
BCID_4347	-0.24917	$ 14,880.93	$ 9,303.65	$ -	$ 24,184.58
BCID_4359	2.701779	$ 1,533,537.87	$ 4,549,630.79	$ (100,971.82)	$ 5,982,196.84
BCID_4360	3.385274	$ 46,971.88	$ 121,827.96	$ (3,663.50)	$ 165,136.34
BCID_4407	1.163865	$ 48,782.49	$ 98,737.09	$ (5,482.87)	$ 142,036.71
BCID_4410	0.057081	$ 3,400.27	$ 6,712.23	$ 3,514.18	$ 13,626.68
BCID_4426	0.981665	$ 32,199.95	$ 18,391.75	$ 12,322.45	$ 62,914.15
BCID_4427	0.981194	$ 36,429.43	$ 20,807.85	$ 13,937.13	$ 71,174.42
BCID_4428	0.909653	$ 31,206.98	$ 17,870.19	$ 11,418.51	$ 60,495.67
BCID_4429	1.694628	$ 40,966.72	$ 22,975.01	$ 25,029.72	$ 88,971.45
BCID_4430	1.542658	$ 39,104.04	$ 22,001.34	$ 22,785.12	$ 83,890.51
BCID_4442	0.527493	$ 43,049.11	$ 84,980.06	$ 44,491.25	$ 172,520.42
BCID_4444	0.958402	$ 68,097.78	$ 134,426.79	$ 70,379.04	$ 272,903.62
BCID_4450	0.027497	$ 1,144.18	$ 2,258.63	$ 1,182.51	$ 4,585.31
BCID_4452	0.10015	$ 8,057.66	$ 15,906.03	$ 8,327.59	$ 32,291.29
BCID_4458	0.928068	$ 79,317.93	$ 156,575.65	$ 81,975.06	$ 317,868.65
BCID_4459	0.630488	$ 43,866.85	$ 86,594.31	$ 45,336.38	$ 175,797.55
BCID_4460	0.877253	$ 61,035.72	$ 120,486.10	$ 63,080.40	$ 244,602.22
BCID_4466	1.450956	$ 51,294.50	$ 28,920.72	$ 24,598.19	$ 104,813.41
BCID_4473	1.386529	$ 264,116.14	$ 521,087.88	$ (10,948.27)	$ 774,255.76
BCID_4474	3.260399	$ 63,549.63	$ 34,809.71	$ 44,542.18	$ 142,901.52
BCID_4475	3.919793	$ 46,056.29	$ 25,139.99	$ 34,960.46	$ 106,156.73
BCID_4477	-0.02792	$ 20,639.96	$ 12,515.50	$ -	$ 33,155.46
BCID_4478	0.965271	$ 31,973.90	$ 18,273.01	$ 12,116.66	$ 62,363.57
BCID_4479	0.805949	$ 29,777.01	$ 17,119.10	$ 10,116.76	$ 57,012.87
BCID_4480	0.765825	$ 27,685.65	$ 15,942.78	$ 9,107.14	$ 52,735.58
BCID_4481	0.964081	$ 31,957.48	$ 18,264.39	$ 12,101.72	$ 62,323.60
BCID_4482	0.263621	$ 22,298.89	$ 13,191.19	$ 3,309.13	$ 38,799.21
BCID_4483	-0.02827	$ 18,234.59	$ 11,057.40	$ -	$ 29,292.00
BCID_4484	0.701902	$ 32,071.57	$ 18,518.87	$ 9,970.00	$ 60,560.45
BCID_4485	-0.04725	$ 17,946.46	$ 10,906.73	$ -	$ 28,853.19
BCID_4486	-0.02213	$ 18,327.93	$ 11,106.21	$ -	$ 29,434.14
BCID_4504	0.834696	$ 72,346.83	$ 142,814.52	$ 74,770.43	$ 289,931.79
BCID_4505	0.874107	$ 57,353.38	$ 113,217.07	$ 59,274.71	$ 229,845.16
BCID_4506	0.863667	$ 146,305.31	$ 288,810.49	$ 151,206.51	$ 586,322.32
BCID_4507	0.795329	$ 111,205.79	$ 219,523.11	$ 114,931.16	$ 445,660.06
BCID_4509	0.812528	$ 113,610.64	$ 224,270.35	$ 117,416.57	$ 455,297.57
BCID_4510	0.866505	$ 75,243.55	$ 148,532.71	$ 77,764.19	$ 301,540.45
BCID_4511	0.846994	$ 32,889.57	$ 64,924.87	$ 33,991.36	$ 131,805.80
BCID_4512	0.869071	$ 73,668.75	$ 145,424.02	$ 76,136.63	$ 295,229.40

	Pre-Mitigation, 2% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4513	0.590518	$ 50,056.60	$ 98,813.02	$ 51,733.48	$ 200,603.09
BCID_4521	1.834852	$ 24,097.48	$ 34,689.93	$ (1,166.91)	$ 57,620.50
BCID_4522	1.580702	$ 21,503.47	$ 32,039.69	$ (1,133.73)	$ 52,409.43
BCID_4608	0.037515	$ 8,145.11	$ 10,718.35	$ -	$ 18,863.46
BCID_4614	0.704404	$ 70,257.49	$ 113,439.38	$ -	$ 183,696.87
BCID_4623	0.923948	$ 36,677.30	$ 74,276.66	$ -	$ 110,953.96
BCID_4624	0.346182	$ 28,572.58	$ 57,863.47	$ -	$ 86,436.05
BCID_4648	2.450057	$ 51,032.95	$ 28,225.34	$ 31,563.93	$ 110,822.21
BCID_4649	2.161313	$ 46,507.06	$ 25,852.72	$ 27,130.11	$ 99,489.89
BCID_4650	2.861415	$ 54,308.00	$ 29,850.70	$ 35,918.21	$ 120,076.91
BCID_4651	2.889023	$ 23,304.30	$ 70,131.92	$ (1,485.71)	$ 91,950.51
BCID_4652	1.685508	$ 19,053.23	$ 52,830.03	$ (1,612.81)	$ 70,270.45
BCID_4657	1.960236	$ 95,683.30	$ 186,874.76	$ (6,323.16)	$ 276,234.91
BCID_4668	-0.0361	$ 932.36	$ 1,076.38	$ -	$ 2,008.74
BCID_4669	0.962997	$ 13,363.05	$ 21,746.17	$ -	$ 35,109.22
BCID_4670	0.034076	$ 1,353.84	$ 1,766.83	$ -	$ 3,120.67
BCID_4671	0.583563	$ 8,337.68	$ 13,384.21	$ -	$ 21,721.89
BCID_4672	0.962662	$ 12,408.38	$ 20,192.45	$ -	$ 32,600.83
BCID_4673	1.12674	$ 14,012.46	$ 23,622.07	$ (1,093.84)	$ 36,540.69
BCID_4674	1.339567	$ 29,780.48	$ 52,702.23	$ (2,212.75)	$ 80,269.96
BCID_4675	1.971905	$ 19,104.21	$ 37,364.97	$ (1,260.09)	$ 55,209.09
BCID_4676	1.971941	$ 18,789.94	$ 36,750.47	$ (1,239.36)	$ 54,301.05
BCID_4678	1.959038	$ 36,129.37	$ 70,552.24	$ (2,388.05)	$ 104,293.56
BCID_4729	0.635851	$ 40,764.85	$ 22,965.11	$ 10,134.75	$ 73,864.71
BCID_4742	1.021712	$ 32,718.89	$ 18,663.65	$ 12,825.15	$ 64,207.69
BCID_4765	2.984375	$ 55,678.09	$ 30,552.87	$ 37,461.68	$ 123,692.64
BCID_4766	2.746753	$ 53,030.37	$ 29,195.92	$ 34,478.90	$ 116,705.18
BCID_4821	0.690114	$ 43,540.93	$ 73,892.89	$ -	$ 117,433.82

Structure ID	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0122	2.176451463	$ 21,669.29	$ 12,674.93	$ 19,450.19	$ 53,794.41
BCID_0176	1.477605184	$ 20,233.43	$ 11,400.86	$ 5,693.89	$ 37,328.18
BCID_0177	0.829269409	$ 26,704.00	$ 15,338.22	$ 5,367.62	$ 47,409.84
BCID_0351	5.033725315	$ 48,566.28	$ 26,284.67	$ 30,816.97	$ 105,667.92
BCID_0382	1.040470928	$ 27,096.07	$ 15,447.24	$ 3,658.62	$ 46,201.93
BCID_0387	-0.47804411	$ 8,565.42	$ 5,622.01	$ -	$ 14,187.43
BCID_0471	0.974147406	$ 32,554.03	$ 64,262.50	$ 33,644.58	$ 130,461.11
BCID_0472	0.260759768	$ 15,729.44	$ 31,050.33	$ 16,256.38	$ 63,036.15
BCID_0473	1.595995784	$ 97,493.09	$ 177,062.26	$ 119,393.31	$ 393,948.67
BCID_0474	1.600105286	$ 97,593.74	$ 177,166.31	$ 119,611.89	$ 394,371.94
BCID_0475	1.601585388	$ 162,089.09	$ 294,200.66	$ 198,714.94	$ 655,004.69
BCID_0476	1.362964362	$ 145,349.92	$ 271,384.80	$ 169,032.62	$ 585,767.34
BCID_0528	10.62910528	$ 97,633.78	$ 50,926.11	$ 93,629.41	$ 242,189.30
BCID_0529	1.994204835	$ 53,490.78	$ 29,831.16	$ 22,397.29	$ 105,719.24
BCID_0551	2.831003273	$ 168,272.55	$ 504,234.43	$ (10,833.91)	$ 661,673.08
BCID_0552	3.259117126	$ 50,752.01	$ 27,799.94	$ 12,114.94	$ 90,666.89
BCID_0553	-0.012966758	$ 21,660.50	$ 13,112.12	$ -	$ 34,772.62
BCID_0563	11.14644193	$ 84,189.93	$ 43,698.82	$ 83,458.54	$ 211,347.29
BCID_0566	0.944381349	$ 177,936.93	$ 355,131.43	$ -	$ 533,068.36
BCID_0567	3.021250311	$ 58,588.37	$ 32,138.91	$ 29,594.23	$ 120,321.51
BCID_0568	0.474533831	$ 21,914.11	$ 12,795.92	$ 3,866.56	$ 38,576.58
BCID_0576	0.709548115	$ 30,586.67	$ 17,655.55	$ 11,268.03	$ 59,510.25
BCID_0577	0.116712977	$ 22,464.35	$ 13,437.92	$ 2,299.96	$ 38,202.23
BCID_0579	1.145931025	$ 169,432.81	$ 470,166.77	$ (18,319.61)	$ 621,279.97
BCID_0582	4.225982806	$ 67,395.03	$ 36,702.16	$ 39,533.73	$ 143,630.93
BCID_0583	2.114669969	$ 39,979.59	$ 22,243.78	$ 17,230.58	$ 79,453.95
BCID_0584	2.468109851	$ 33,408.84	$ 18,472.32	$ 15,479.61	$ 67,360.77
BCID_0633	2.977868398	$ 260,940.65	$ 563,263.58	$ (18,919.88)	$ 805,284.36
BCID_0635	2.534824387	$ 282,474.11	$ 620,483.97	$ (20,812.69)	$ 882,145.39
BCID_0646	0.262448834	$ 72,226.29	$ 146,268.32	$ -	$ 218,494.61
BCID_0647	2.456048162	$ 844,253.43	$ 1,693,037.89	$ (52,414.17)	$2,484,877.15
BCID_0648	1.650012506	$ 309,155.62	$ 625,016.02	$ (28,009.43)	$ 906,162.21
BCID_0652	3.743864038	$ 39,855.59	$ 21,774.04	$ 29,681.21	$ 91,310.84
BCID_0653	3.62298584	$ 35,851.99	$ 19,598.89	$ 26,329.31	$ 81,780.19
BCID_0654	2.853129185	$ 63,591.32	$ 34,957.35	$ 42,007.63	$ 140,556.31
BCID_0655	2.681433244	$ 49,156.52	$ 27,089.19	$ 31,634.37	$ 107,880.09
BCID_0656	4.453754825	$ 62,668.11	$ 34,064.43	$ 50,441.70	$ 147,174.25
BCID_0674	2.755400731	$ 146,922.07	$ 383,739.10	$ (12,449.12)	$ 518,212.05
BCID_0677	1.639583616	$ 38,019.94	$ 21,346.65	$ 19,420.46	$ 78,787.05
BCID_0678	4.207154883	$ 428,759.18	$ 791,838.16	$ (11,490.03)	$1,209,107.32
BCID_0679	-1.102511961	$ 1,292.34	$ 1,240.64	$ -	$ 2,532.98
BCID_0680	2.411933416	$ 169,289.22	$ 338,855.52	$ (8,492.64)	$ 499,652.10
BCID_0681	0.374814188	$ 28,491.03	$ 16,732.69	$ 7,968.75	$ 53,192.46
BCID_0683	2.258713236	$ 54,928.01	$ 30,479.48	$ 38,503.44	$ 123,910.93

		Pre-Mitigation, 1% AEP Event			
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_0684	2.514862908	$ 47,179.72	$ 27,691.98	$ 53,133.58	$ 128,005.27
BCID_0691	1.800785516	$ 80,014.79	$ 161,722.35	$ (6,852.92)	$ 234,884.22
BCID_0701	0.545922371	$ 556,781.28	$ 1,545,504.17	$ -	$ 2,102,285.45
BCID_0705	4.495516454	$ 297,785.97	$ 660,494.32	$ (16,538.83)	$ 941,741.46
BCID_0706	4.513411318	$ 42,204.84	$ 93,592.90	$ (2,339.77)	$ 133,457.97
BCID_0707	4.638912436	$ 88,678.57	$ 48,133.44	$ 55,900.78	$ 192,712.79
BCID_0708	3.444897415	$ 52,326.69	$ 28,632.28	$ 12,805.53	$ 93,764.50
BCID_0727	4.222399394	$ 47,447.04	$ 25,839.61	$ 27,821.24	$ 101,107.89
BCID_0728	4.607610342	$ 79,809.41	$ 43,329.76	$ 48,704.89	$ 171,844.07
BCID_0729	1.880843883	$ 37,599.11	$ 21,010.80	$ 15,325.34	$ 73,935.24
BCID_0730	2.686739604	$ 45,521.18	$ 25,083.85	$ 21,891.87	$ 92,496.91
BCID_0732	1.429365097	$ 29,917.13	$ 16,876.41	$ 10,626.77	$ 57,420.31
BCID_0800	1.989375474	$ 162,117.10	$ 307,153.24	$ (12,807.94)	$ 456,462.40
BCID_0803	3.026312873	$ 37,358.28	$ 72,507.89	$ (1,106.85)	$ 108,759.32
BCID_0856	0.253745881	$ 25,328.82	$ 14,993.90	$ 4,283.24	$ 44,605.96
BCID_0857	0.031540197	$ 33,656.13	$ 20,283.66	$ 988.45	$ 54,928.23
BCID_0868	0.833797748	$ 20,835.81	$ 33,793.34	$ -	$ 54,629.16
BCID_0870	0.403195658	$ 45,298.52	$ 71,686.58	$ -	$ 116,985.10
BCID_0872	0.117798816	$ 7,707.98	$ 14,326.75	$ -	$ 22,034.74
BCID_0873	1.53011525	$ 33,056.51	$ 18,603.99	$ 23,093.98	$ 74,754.49
BCID_0884	0.64786791	$ 26,300.38	$ 15,223.50	$ 9,119.36	$ 50,643.24
BCID_0886	0.122567186	$ 15,781.92	$ 9,436.00	$ 1,690.11	$ 26,908.03
BCID_0887	0.991051757	$ 27,650.13	$ 15,787.93	$ 15,073.86	$ 58,511.93
BCID_0888	1.227368327	$ 121,687.50	$ 241,073.97	$ (5,420.27)	$ 357,341.20
BCID_0899	1.033349954	$ 30,112.78	$ 17,170.83	$ 13,985.95	$ 61,269.56
BCID_0900	2.109001668	$ 50,715.13	$ 28,219.87	$ 41,419.20	$ 120,354.20
BCID_0909	1.445957402	$ 32,430.55	$ 18,287.05	$ 21,992.96	$ 72,710.57
BCID_0911	0.848918426	$ 68,497.85	$ 38,972.37	$ 51,889.30	$ 159,359.52
BCID_0912	1.655849731	$ 576,430.84	$ 334,671.85	$ 643,515.15	$ 1,554,617.83
BCID_0983	0.492427113	$ 17,366.88	$ 44,289.92	$ -	$ 61,656.80
BCID_1043	1.150065782	$ 100,578.08	$ 174,168.18	$ (10,110.29)	$ 264,635.98
BCID_1081	1.668233542	$ 38,733.28	$ 21,734.20	$ 6,797.89	$ 67,265.37
BCID_1082	-0.078985525	$ 11,555.58	$ 7,049.79	$ -	$ 18,605.37
BCID_1155	-0.243699154	$ 37,760.48	$ 19,574.96	$ -	$ 57,335.44
BCID_1157	0.198186737	$ 19,952.76	$ 50,884.54	$ -	$ 70,837.30
BCID_1228	0.787949782	$ 89,435.06	$ 248,252.35	$ -	$ 337,687.41
BCID_1264	0.284001272	$ 179,557.60	$ 279,218.57	$ -	$ 458,776.17
BCID_1270	0.906517494	$ 46,511.31	$ 26,637.03	$ 24,060.99	$ 97,209.33
BCID_1271	0.26044784	$ 41,657.67	$ 84,362.60	$ -	$ 126,020.27
BCID_1279	1.857003797	$ 91,283.48	$ 51,032.63	$ 49,534.25	$ 191,850.35
BCID_1281	2.596901341	$ 53,291.49	$ 29,405.60	$ 33,823.36	$ 116,520.44
BCID_1282	3.333280275	$ 69,322.17	$ 37,955.67	$ 49,077.07	$ 156,354.92
BCID_1285	1.597727792	$ 155,456.18	$ 305,332.12	$ (5,922.08)	$ 454,866.21
BCID_1286	3.884872838	$ 76,653.45	$ 105,972.46	$ (2,867.16)	$ 179,758.76
BCID_1287	1.599528503	$ 37,930.74	$ 21,314.69	$ 19,134.72	$ 78,380.16

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1288	2.659487211	$ 84,594.25	$ 46,633.57	$ 54,248.17	$ 185,475.99
BCID_1289	1.354955566	$ 205,132.03	$ 365,822.10	$ (19,220.54)	$ 551,733.59
BCID_1290	1.510567337	$ 397,768.17	$ 782,618.15	$ (15,669.17)	$1,164,717.16
BCID_1294	2.420125807	$ 51,247.70	$ 28,358.16	$ 31,520.94	$ 111,126.80
BCID_1295	2.637336731	$ 53,758.98	$ 29,645.19	$ 34,350.01	$ 117,754.18
BCID_1296	2.59581558	$ 53,278.93	$ 29,399.16	$ 33,809.22	$ 116,487.31
BCID_1297	3.242287787	$ 60,402.96	$ 33,089.62	$ 42,229.20	$ 135,721.77
BCID_1298	1.812464396	$ 44,005.42	$ 24,622.10	$ 23,606.45	$ 92,233.97
BCID_1299	1.20178882	$ 33,284.80	$ 18,886.13	$ 14,376.67	$ 66,547.61
BCID_1300	0.98538862	$ 39,495.71	$ 22,556.01	$ 15,147.61	$ 77,199.33
BCID_1305	2.074617727	$ 737,083.03	$ 1,509,254.90	$ (58,242.26)	$2,188,095.67
BCID_1306	3.46787432	$ 57,347.74	$ 31,375.75	$ 41,321.58	$ 130,045.07
BCID_1339	1.044344706	$ 375,037.76	$ 759,382.66	$ (44,909.05)	$1,089,511.36
BCID_1340	3.064318114	$ 58,602.56	$ 32,137.98	$ 39,911.23	$ 130,651.78
BCID_1341	2.542358116	$ 53,233.29	$ 29,398.53	$ 33,472.88	$ 116,104.70
BCID_1342	2.481072009	$ 51,952.33	$ 28,719.28	$ 32,314.74	$ 112,986.35
BCID_1343	2.388463012	$ 39,820.41	$ 22,046.52	$ 24,345.82	$ 86,212.75
BCID_1344	3.550144406	$ 80,777.47	$ 44,174.86	$ 58,803.79	$ 183,756.11
BCID_1345	3.605194092	$ 123,633.47	$ 173,628.50	$ (4,758.28)	$ 292,503.69
BCID_1346	2.409655595	$ 2,323,480.35	$ 3,333,980.48	$ (101,951.74)	$5,555,509.09
BCID_1349	1.519864482	$ 49,041.69	$ 27,606.70	$ 24,098.85	$ 100,747.24
BCID_1352	3.319576785	$ 74,541.31	$ 40,816.48	$ 74,626.29	$ 189,984.08
BCID_1353	3.605115389	$ 75,158.59	$ 41,090.12	$ 78,032.55	$ 194,281.26
BCID_1354	0.079578945	$ 1,738.48	$ 2,355.99	$ -	$ 4,094.47
BCID_1355	0.362625122	$ 22,203.57	$ 61,632.29	$ -	$ 83,835.86
BCID_1363	0.364324335	$ 226,385.74	$ 356,603.30	$ -	$ 582,989.04
BCID_1378	1.419950817	$ 58,160.87	$ 161,320.35	$ (5,505.78)	$ 213,975.44
BCID_1379	0.319242333	$ 55,237.51	$ 153,327.34	$ -	$ 208,564.85
BCID_1385	0.983624235	$ 58,806.40	$ 119,091.18	$ -	$ 177,897.59
BCID_1390	4.484691075	$ 76,534.73	$ 41,591.69	$ 61,797.03	$ 179,923.45
BCID_1391	2.44254607	$ 46,654.81	$ 25,807.07	$ 28,816.08	$ 101,277.96
BCID_1392	1.360655648	$ 38,259.48	$ 21,618.54	$ 17,721.87	$ 77,599.89
BCID_1393	2.005571609	$ 46,454.84	$ 25,901.82	$ 26,121.58	$ 98,478.24
BCID_1394	1.653847063	$ 41,988.18	$ 23,567.63	$ 21,540.54	$ 87,096.36
BCID_1395	2.099177967	$ 57,871.21	$ 32,207.86	$ 33,284.40	$ 123,363.48
BCID_1396	1.869754159	$ 53,729.43	$ 30,030.72	$ 29,249.62	$ 113,009.77
BCID_1397	0.640098572	$ 27,205.91	$ 15,753.33	$ 7,951.84	$ 50,911.07
BCID_1398	0.988736205	$ 207,325.30	$ 419,862.70	$ -	$ 627,188.00
BCID_1399	1.817053277	$ 48,454.19	$ 27,108.93	$ 26,024.27	$ 101,587.39
BCID_1401	4.613571716	$ 73,477.21	$ 39,890.09	$ 60,089.50	$ 173,456.80
BCID_1402	4.245591833	$ 42,750.67	$ 23,277.44	$ 33,658.88	$ 99,686.99
BCID_1403	2.741219154	$ 62,128.71	$ 34,207.77	$ 40,359.94	$ 136,696.42
BCID_1404	1.516774635	$ 40,244.95	$ 22,656.39	$ 19,755.24	$ 82,656.58
BCID_1405	2.863630218	$ 47,183.65	$ 25,933.96	$ 31,216.28	$ 104,333.89
BCID_1406	3.681045169	$ 78,937.54	$ 43,139.15	$ 58,366.36	$ 180,443.06

| | Pre-Mitigation, 1% AEP Event | | | |
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1408	0.639137268	$ 35,585.63	$ 20,606.45	$ 10,390.48	$ 66,582.55
BCID_1419	1.56069702	$ 289,979.23	$ 767,252.20	$ (30,082.58)	$1,027,148.86
BCID_1420	-0.58933197	$ 1,397.62	$ 1,918.17	$ -	$ 3,315.79
BCID_1421	0.603138549	$ 114,914.10	$ 195,598.27	$ -	$ 310,512.36
BCID_1423	2.216192064	$ 201,549.19	$ 395,864.09	$ (15,555.64)	$ 581,857.64
BCID_1432	1.418470356	$ 30,233.65	$ 54,346.08	$ (2,208.69)	$ 82,371.04
BCID_1434	0.54559775	$ 29,977.27	$ 17,438.30	$ 7,839.93	$ 55,255.50
BCID_1440	3.634335524	$ 36,963.21	$ 75,720.23	$ (2,064.06)	$ 110,619.38
BCID_1441	3.51626926	$ 63,174.63	$ 34,554.65	$ 45,797.67	$ 143,526.95
BCID_1442	1.829644002	$ 44,223.90	$ 24,736.30	$ 23,830.21	$ 92,790.41
BCID_1443	1.637115479	$ 41,775.40	$ 23,456.40	$ 21,322.62	$ 86,554.42
BCID_1445	2.719725603	$ 54,711.52	$ 30,133.36	$ 35,423.08	$ 120,267.96
BCID_1446	2.470387627	$ 51,265.44	$ 28,344.49	$ 31,825.85	$ 111,435.78
BCID_1447	1.741481312	$ 392,072.47	$ 743,678.07	$ (21,626.86)	$1,114,123.68
BCID_1449	2.601623535	$ 67,842.30	$ 37,431.83	$ 43,092.71	$ 148,366.84
BCID_1450	2.084727696	$ 35,699.13	$ 19,873.67	$ 20,462.79	$ 76,035.60
BCID_1451	1.934552464	$ 41,844.11	$ 23,360.32	$ 23,142.52	$ 88,346.95
BCID_1452	2.35386901	$ 52,310.72	$ 28,978.81	$ 31,768.78	$ 113,058.31
BCID_1453	2.537294952	$ 52,602.35	$ 29,052.41	$ 33,047.02	$ 114,701.78
BCID_1454	2.980054059	$ 97,171.64	$ 53,325.15	$ 67,291.20	$ 217,787.99
BCID_1455	0.731600444	$ 96,336.65	$ 192,271.34	$ -	$ 288,607.99
BCID_1456	0.050553163	$ 4,460.04	$ 12,380.10	$ -	$ 16,840.14
BCID_1459	3.964911339	$ 60,353.09	$ 32,936.92	$ 46,027.86	$ 139,317.87
BCID_1460	3.765794865	$ 65,698.91	$ 35,888.91	$ 49,047.62	$ 150,635.43
BCID_1461	3.619567871	$ 60,496.75	$ 33,071.81	$ 44,410.15	$ 137,978.72
BCID_1462	1.401944896	$ 51,150.68	$ 28,873.41	$ 24,081.56	$ 104,105.65
BCID_1464	3.171336449	$ 71,362.73	$ 39,110.06	$ 49,386.52	$ 159,859.31
BCID_1479	2.623886108	$ 51,758.42	$ 28,547.84	$ 32,998.51	$ 113,304.77
BCID_1480	2.602095587	$ 50,741.95	$ 27,996.55	$ 32,233.30	$ 110,971.80
BCID_1481	2.148659737	$ 52,684.75	$ 29,293.78	$ 30,646.87	$ 112,625.40
BCID_1484	0.676894722	$ 41,742.91	$ 83,311.64	$ -	$ 125,054.55
BCID_1485	5.416600718	$ 77,304.12	$ 41,719.15	$ 68,056.35	$ 187,079.61
BCID_1486	0.510884768	$ 26,674.87	$ 15,545.27	$ 6,654.02	$ 48,874.16
BCID_1487	2.468869205	$ 63,922.26	$ 128,255.93	$ (3,962.81)	$ 188,215.37
BCID_1488	1.424979247	$ 199,311.73	$ 358,713.91	$ (14,540.64)	$ 543,485.00
BCID_1489	1.94553369	$ 41,558.45	$ 23,196.33	$ 27,115.18	$ 91,869.97
BCID_1490	1.224803743	$ 21,574.92	$ 12,234.10	$ 11,085.47	$ 44,894.50
BCID_1491	0.367371952	$ 19,358.27	$ 11,374.24	$ 4,426.55	$ 35,159.07
BCID_1492	2.336344354	$ 36,707.36	$ 20,341.08	$ 26,140.38	$ 83,188.83
BCID_1493	1.904134623	$ 32,978.28	$ 18,420.83	$ 21,304.57	$ 72,703.68
BCID_1499	-0.102615057	$ 15,835.86	$ 9,690.03	$ -	$ 25,525.89
BCID_1502	0.24664121	$ 24,843.58	$ 14,714.02	$ 3,485.90	$ 43,043.49
BCID_1503	2.597977117	$ 55,621.49	$ 30,690.75	$ 35,308.56	$ 121,620.80
BCID_1504	2.813030239	$ 1,237,389.43	$ 3,702,871.58	$ (79,912.37)	$4,860,348.64
BCID_1506	0.626418704	$ 64,810.66	$ 119,933.56	$ -	$ 184,744.22

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1508	2.279649378	$ 45,578.18	$ 25,281.85	$ 27,270.82	$ 98,130.85
BCID_1509	0.443278662	$ 28,152.62	$ 16,467.39	$ 6,322.59	$ 50,942.60
BCID_1513	1.574572555	$ 29,695.65	$ 16,696.11	$ 14,860.89	$ 61,252.65
BCID_1514	1.79315033	$ 57,712.18	$ 32,303.28	$ 30,801.39	$ 120,816.86
BCID_1515	2.110519374	$ 62,866.75	$ 34,980.48	$ 36,252.91	$ 134,100.14
BCID_1517	2.029840247	$ 56,878.86	$ 115,548.05	$ (4,527.27)	$ 167,899.64
BCID_1518	1.398250076	$ 26,947.89	$ 15,212.84	$ 14,906.86	$ 57,067.59
BCID_1519	1.088330153	$ 41,761.68	$ 23,773.38	$ 17,012.52	$ 82,547.59
BCID_1520	1.22612381	$ 50,353.58	$ 28,552.08	$ 31,170.98	$ 110,076.64
BCID_1521	1.234100342	$ 43,455.48	$ 24,635.31	$ 27,000.82	$ 95,091.61
BCID_1522	1.732181363	$ 26,164.42	$ 14,662.50	$ 16,158.56	$ 56,985.48
BCID_1523	1.416257661	$ 23,012.89	$ 12,985.77	$ 12,818.29	$ 48,816.94
BCID_1525	1.081296011	$ 52,324.96	$ 104,129.53	$ (2,508.72)	$ 153,945.78
BCID_1527	1.444902125	$ 34,200.78	$ 19,285.74	$ 16,364.47	$ 69,850.99
BCID_1528	2.457237411	$ 41,659.71	$ 23,038.47	$ 25,800.57	$ 90,498.75
BCID_1529	0.41649882	$ 26,654.91	$ 15,615.39	$ 5,709.68	$ 47,979.99
BCID_1530	1.218723943	$ 47,681.36	$ 27,042.30	$ 20,761.79	$ 95,485.45
BCID_1531	2.672139528	$ 42,387.14	$ 23,361.97	$ 27,237.36	$ 92,986.48
BCID_1532	2.914588954	$ 51,185.42	$ 28,113.84	$ 34,109.96	$ 113,409.22
BCID_1535	1.767530588	$ 30,844.41	$ 17,273.13	$ 23,161.67	$ 71,279.21
BCID_1536	3.187207884	$ 380,534.74	$ 778,778.08	$ (21,994.41)	$1,137,318.41
BCID_1537	-0.240259388	$ 17,217.90	$ 10,748.87	$ -	$ 27,966.77
BCID_1538	1.114533127	$ 24,056.00	$ 13,683.57	$ 11,696.47	$ 49,436.03
BCID_1539	0.277674736	$ 15,474.28	$ 9,145.17	$ 2,821.55	$ 27,440.99
BCID_1540	1.287902832	$ 27,513.00	$ 15,859.28	$ 22,311.96	$ 65,684.24
BCID_1541	2.270962524	$ 30,144.53	$ 16,723.50	$ 21,184.55	$ 68,052.58
BCID_1543	0.857151719	$ 107,391.44	$ 217,482.66	$ -	$ 324,874.10
BCID_1544	1.509401638	$ 28,199.63	$ 57,026.78	$ (2,703.30)	$ 82,523.11
BCID_1545	0.128979644	$ 22,253.61	$ 32,747.54	$ -	$ 55,001.15
BCID_1548	0.853741356	$ 139,662.31	$ 278,741.89	$ -	$ 418,404.20
BCID_1550	1.744630764	$ 34,545.45	$ 19,354.43	$ 18,194.83	$ 72,094.71
BCID_1551	1.55863378	$ 42,550.22	$ 23,931.83	$ 21,183.06	$ 87,665.11
BCID_1553	3.042974142	$ 137,451.88	$ 75,389.48	$ 93,303.25	$ 306,144.61
BCID_1554	1.619539097	$ 33,690.74	$ 19,548.17	$ 26,252.48	$ 79,491.39
BCID_1555	4.37939857	$ 88,683.87	$ 48,234.58	$ 70,834.39	$ 207,752.84
BCID_1556	6.334806589	$ 119,427.42	$ 64,082.51	$ 113,373.39	$ 296,883.33
BCID_1557	5.081161365	$ 60,665.64	$ 32,821.05	$ 51,792.75	$ 145,279.43
BCID_1558	1.425506592	$ 30,587.66	$ 17,256.25	$ 20,585.90	$ 68,429.82
BCID_1559	3.224391937	$ 22,187.11	$ 45,410.69	$ (1,278.48)	$ 66,319.32
BCID_1560	2.261026134	$ 180,140.18	$ 358,163.07	$ (11,441.10)	$ 526,862.14
BCID_1561	1.210741789	$ 29,437.97	$ 16,699.28	$ 15,025.51	$ 61,162.77
BCID_1562	0.743012168	$ 18,611.64	$ 10,727.76	$ 7,065.23	$ 36,404.64
BCID_1563	0.973551925	$ 40,192.29	$ 80,216.88	$ -	$ 120,409.17
BCID_1564	2.219169617	$ 25,525.75	$ 14,174.32	$ 17,744.06	$ 57,444.13
BCID_1565	0.099429358	$ 4,062.10	$ 8,107.25	$ -	$ 12,169.35

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1566	0.9299013	$ 33,971.94	$ 19,439.22	$ 14,819.00	$ 68,230.16
BCID_1575	1.604353587	$ 518,328.11	$ 1,047,988.41	$ (47,807.84)	$ 1,518,508.68
BCID_1577	1.339882132	$ 167,785.14	$ 331,406.76	$ (7,097.49)	$ 492,094.41
BCID_1587	0.38947493	$ 19,584.99	$ 10,876.80	$ 4,425.73	$ 34,887.52
BCID_1588	2.026069098	$ 186,974.56	$ 379,577.65	$ (14,891.43)	$ 551,660.77
BCID_1589	0.444964378	$ 169,869.27	$ 344,009.00	$ -	$ 513,878.27
BCID_1591	3.875596462	$ 60,723.93	$ 124,452.19	$ (3,334.51)	$ 181,841.61
BCID_1592	0.626342773	$ 19,429.67	$ 31,261.32	$ -	$ 50,691.00
BCID_1593	1.500436401	$ 26,150.17	$ 47,719.88	$ (1,878.38)	$ 71,991.67
BCID_1595	-0.227822284	$ 17,448.69	$ 10,870.99	$ -	$ 28,319.68
BCID_1596	1.612763886	$ 45,184.09	$ 25,383.43	$ 22,889.10	$ 93,456.62
BCID_1606	2.641766047	$ 50,690.76	$ 27,951.35	$ 32,413.05	$ 111,055.16
BCID_1607	2.525635535	$ 41,061.56	$ 22,682.61	$ 25,744.04	$ 89,488.20
BCID_1608	1.242575108	$ 34,393.83	$ 19,493.72	$ 15,143.11	$ 69,030.66
BCID_1610	1.106192043	$ 24,871.63	$ 14,150.99	$ 14,495.51	$ 53,518.13
BCID_1611	1.146069932	$ 55,130.15	$ 31,330.53	$ 32,813.71	$ 119,274.39
BCID_1612	-0.140462623	$ 11,186.63	$ 6,879.73	$ -	$ 18,066.37
BCID_1613	0.810417445	$ 20,303.73	$ 11,670.73	$ 8,144.93	$ 40,119.39
BCID_1614	1.219758399	$ 22,197.67	$ 12,588.97	$ 11,378.45	$ 46,165.09
BCID_1615	0.639977075	$ 30,201.11	$ 17,487.77	$ 8,826.15	$ 56,515.03
BCID_1616	2.435070801	$ 48,439.59	$ 26,797.63	$ 29,877.01	$ 105,114.22
BCID_1617	2.317887526	$ 68,386.81	$ 37,908.13	$ 41,236.89	$ 147,531.83
BCID_1618	1.486335754	$ 38,558.12	$ 21,721.84	$ 26,532.31	$ 86,812.28
BCID_1619	2.256344966	$ 43,189.29	$ 85,342.78	$ (3,321.00)	$ 125,211.07
BCID_1620	1.752719921	$ 172,478.08	$ 478,205.20	$ (14,223.42)	$ 636,459.86
BCID_1621	1.118051698	$ 65,641.54	$ 132,879.26	$ (7,554.69)	$ 190,966.11
BCID_1622	0.9025761	$ 37,262.11	$ 74,368.75	$ -	$ 111,630.86
BCID_1623	0.770380445	$ 51,609.30	$ 29,713.61	$ 20,051.49	$ 101,374.40
BCID_1624	2.529677704	$ 47,377.01	$ 26,169.61	$ 34,975.55	$ 108,522.18
BCID_1660	0.099277381	$ 22,932.23	$ 13,737.87	$ 1,426.56	$ 38,096.66
BCID_1661	1.679809895	$ 44,618.28	$ 25,030.46	$ 23,067.75	$ 92,716.49
BCID_1662	0.470502446	$ 27,846.37	$ 16,263.44	$ 6,538.82	$ 50,648.63
BCID_1663	1.792744736	$ 57,705.38	$ 32,299.73	$ 30,794.42	$ 120,799.53
BCID_1664	3.967615242	$ 1,103,480.07	$ 2,066,260.84	$ (30,105.06)	$ 3,139,635.85
BCID_1665	1.610527741	$ 40,655.83	$ 107,834.23	$ (4,159.63)	$ 144,330.43
BCID_1666	1.308382954	$ 128,646.14	$ 226,189.76	$ (9,624.73)	$ 345,211.17
BCID_1667	1.035193025	$ 53,653.05	$ 30,592.15	$ 30,037.10	$ 114,282.29
BCID_1669	1.092571724	$ 37,367.53	$ 74,335.31	$ (1,780.91)	$ 109,921.92
BCID_1670	0.397601077	$ 27,777.35	$ 16,291.12	$ 6,755.68	$ 50,824.15
BCID_1682	2.082069564	$ 259,916.32	$ 532,895.58	$ (20,513.16)	$ 772,298.73
BCID_1683	0.523477019	$ 12,053.14	$ 19,275.53	$ -	$ 31,328.67
BCID_1692	1.590507448	$ 228,367.51	$ 461,740.30	$ (21,179.73)	$ 668,928.07
BCID_1693	0.820817551	$ 93,251.94	$ 157,736.78	$ -	$ 250,988.72
BCID_1696	1.721087529	$ 39,350.66	$ 22,056.92	$ 20,588.90	$ 81,996.48
BCID_1697	2.51332464	$ 60,479.69	$ 87,091.78	$ (2,623.57)	$ 144,947.91

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_1698	2.883410999	$ 284,900.42	$ 553,834.23	$ (8,561.55)	$ 830,173.10
BCID_1699	1.839970296	$ 44,355.23	$ 24,804.95	$ 23,964.71	$ 93,124.88
BCID_1700	1.563401506	$ 40,837.93	$ 22,966.36	$ 20,362.53	$ 84,166.83
BCID_1701	1.985584579	$ 43,946.97	$ 24,512.34	$ 24,596.31	$ 93,055.61
BCID_1702	3.240095964	$ 60,380.78	$ 33,077.90	$ 42,200.65	$ 135,659.33
BCID_1703	2.607765198	$ 31,408.69	$ 45,369.19	$ (1,348.78)	$ 75,429.10
BCID_1721	2.139987096	$ 611,996.55	$ 1,267,192.03	$ (47,854.46)	$ 1,831,334.12
BCID_1729	1.114143771	$ 94,296.46	$ 190,888.30	$ (10,874.90)	$ 274,309.86
BCID_1730	5.463433096	$ 66,500.37	$ 35,876.65	$ 33,284.92	$ 135,661.95
BCID_1732	5.598819786	$ 630,156.01	$ 1,092,304.64	$ (15,859.95)	$ 1,706,600.70
BCID_1738	2.517365869	$ 71,726.79	$ 39,627.45	$ 25,426.42	$ 136,780.66
BCID_1745	4.017929077	$ 70,451.02	$ 38,435.31	$ 30,598.08	$ 139,484.42
BCID_1746	8.034835323	$ 86,884.58	$ 46,146.05	$ 69,786.19	$ 202,816.83
BCID_1754	3.336667486	$ 48,019.09	$ 26,291.18	$ 19,258.12	$ 93,568.39
BCID_1768	0.059000798	$ 44,007.17	$ 26,455.72	$ 947.50	$ 71,410.40
BCID_1824	0.736217531	$ 37,131.32	$ 21,020.90	$ 10,224.63	$ 68,376.85
BCID_1826	4.846736577	$ 102,412.17	$ 60,269.86	$ 71,423.65	$ 234,105.68
BCID_1854	0.345215019	$ 40,454.74	$ 22,400.24	$ 6,286.41	$ 69,141.39
BCID_1869	1.067877266	$ 81,616.42	$ 46,489.81	$ 18,611.55	$ 146,717.78
BCID_1870	1.714414324	$ 56,157.77	$ 32,637.35	$ 25,493.42	$ 114,288.53
BCID_1872	1.400432612	$ 52,109.87	$ 30,109.51	$ 21,301.61	$ 103,520.99
BCID_1893	1.840209961	$ 63,323.51	$ 36,876.53	$ 29,748.83	$ 129,948.86
BCID_2053	0.480483327	$ 38,727.76	$ 21,630.97	$ 7,825.27	$ 68,184.00
BCID_2059	-0.107881867	$ 28,819.37	$ 17,646.72	$ -	$ 46,466.09
BCID_2105	0.002752249	$ 31,691.07	$ 19,151.45	$ 33.15	$ 50,875.67
BCID_2108	0.4220011	$ 54,856.14	$ 32,126.38	$ 6,720.58	$ 93,703.11
BCID_2426	-1.170196975	$ 5,816.86	$ 5,584.19	$ -	$ 11,401.05
BCID_2626	3.584654384	$ 142,368.93	$ 77,843.20	$ 58,931.30	$ 279,143.43
BCID_2627	4.565761086	$ 166,823.82	$ 90,600.48	$ 76,890.58	$ 334,314.88
BCID_2648	3.695306043	$ 128,853.23	$ 70,412.81	$ 54,036.01	$ 253,302.05
BCID_2649	3.160585676	$ 81,294.88	$ 47,908.69	$ 48,349.30	$ 177,552.86
BCID_2650	2.302604449	$ 83,555.00	$ 46,328.53	$ 28,440.90	$ 158,324.43
BCID_2651	0.417521705	$ 41,977.07	$ 23,354.93	$ 7,603.12	$ 72,935.12
BCID_2657	1.712461827	$ 58,545.84	$ 34,024.12	$ 26,562.58	$ 119,132.53
BCID_2668	4.630333785	$ 142,915.16	$ 77,577.35	$ 66,285.96	$ 286,778.47
BCID_2669	0.617237353	$ 36,745.58	$ 20,680.95	$ 8,943.32	$ 66,369.86
BCID_2670	0.612016158	$ 29,863.94	$ 16,803.28	$ 7,224.15	$ 53,891.37
BCID_2719	0.459544208	$ 40,954.69	$ 23,933.81	$ 5,492.11	$ 70,380.61
BCID_2760	3.045543238	$ 75,090.39	$ 44,254.06	$ 43,985.30	$ 163,329.75
BCID_2761	1.029224919	$ 46,064.57	$ 26,386.71	$ 15,744.65	$ 88,195.92
BCID_2762	0.692836264	$ 46,038.76	$ 26,594.50	$ 8,034.66	$ 80,667.92
BCID_2763	0.721532418	$ 43,053.96	$ 24,839.11	$ 7,716.75	$ 75,609.82
BCID_2764	-0.011877887	$ 28,837.85	$ 15,481.46	$ -	$ 44,319.32
BCID_2787	3.140913778	$ 93,090.19	$ 54,860.27	$ 55,224.15	$ 203,174.61
BCID_2819	-0.124956409	$ 23,479.56	$ 12,412.18	$ -	$ 35,891.74

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_2958	1.367817794	$ 61,381.75	$ 34,677.62	$ 22,033.72	$ 118,093.09
BCID_2976	2.640476938	$ 73,976.56	$ 43,470.07	$ 40,922.06	$ 158,368.68
BCID_3430	-0.153286274	$ 17,764.59	$ 10,944.65	$ -	$ 28,709.24
BCID_3456	0.879001137	$ 30,581.80	$ 17,532.08	$ 3,733.74	$ 51,847.62
BCID_3562	1.970207214	$ 32,841.56	$ 18,322.96	$ 25,949.26	$ 77,113.79
BCID_3563	-0.714348602	$ 1,598.25	$ 2,316.44	$ -	$ 3,914.69
BCID_3582	0.541555004	$ 37,723.38	$ 21,948.88	$ 3,342.82	$ 63,015.08
BCID_3592	1.278715486	$ 176,688.98	$ 357,506.17	$ (18,767.75)	$ 515,427.40
BCID_3594	2.650200607	$ 41,016.73	$ 22,614.12	$ 26,263.36	$ 89,894.20
BCID_3596	0.851856839	$ 31,553.27	$ 18,107.66	$ 11,095.02	$ 60,755.95
BCID_3597	0.642579136	$ 34,043.23	$ 19,710.14	$ 9,976.42	$ 63,729.79
BCID_3598	1.652471568	$ 41,970.69	$ 23,558.49	$ 21,522.63	$ 87,051.80
BCID_3600	2.605996094	$ 53,396.63	$ 29,459.49	$ 33,941.81	$ 116,797.93
BCID_3601	0.960732245	$ 34,790.53	$ 19,885.87	$ 13,147.78	$ 67,824.18
BCID_3603	0.071481038	$ 1,322.98	$ 2,612.03	$ -	$ 3,935.01
BCID_3605	0.000598683	$ 12,214.07	$ 7,382.70	$ 5.78	$ 19,602.56
BCID_3606	0.192025222	$ 24,516.41	$ 14,578.30	$ 2,772.89	$ 41,867.60
BCID_3611	2.18524054	$ 28,459.46	$ 40,498.36	$ (1,281.86)	$ 67,675.97
BCID_3618	0.66027519	$ 50,056.06	$ 28,957.52	$ 8,459.81	$ 87,473.39
BCID_3647	0.987047386	$ 35,952.13	$ 20,567.92	$ 11,974.05	$ 68,494.10
BCID_3683	1.598121355	$ 199,924.39	$ 366,473.81	$ (17,420.32)	$ 548,977.88
BCID_3684	0.241902796	$ 22,536.99	$ 13,352.39	$ 4,407.11	$ 40,296.49
BCID_3696	1.663415143	$ 38,677.00	$ 21,704.78	$ 6,778.26	$ 67,160.03
BCID_3697	2.232630069	$ 64,728.66	$ 35,934.71	$ 38,350.44	$ 139,013.81
BCID_3698	1.414005824	$ 47,402.75	$ 26,749.99	$ 22,420.36	$ 96,573.10
BCID_3700	1.650612783	$ 54,599.56	$ 30,648.36	$ 27,982.99	$ 113,230.91
BCID_3703	1.941202346	$ 36,343.17	$ 70,980.39	$ (1,232.14)	$ 106,091.42
BCID_3707	2.686530659	$ 51,178.30	$ 28,201.21	$ 32,962.29	$ 112,341.80
BCID_3748	-0.065424689	$ 33,215.34	$ 20,230.17	$ -	$ 53,445.52
BCID_3767	2.558609009	$ 36,716.49	$ 20,271.80	$ 27,242.02	$ 84,230.32
BCID_3778	2.201654006	$ 61,961.47	$ 34,417.91	$ 36,467.70	$ 132,847.09
BCID_3779	2.35955641	$ 50,547.43	$ 27,999.27	$ 30,732.06	$ 109,278.75
BCID_3783	2.034940893	$ 26,449.00	$ 14,738.52	$ 21,223.81	$ 62,411.33
BCID_3787	0.765928476	$ 33,207.93	$ 19,122.70	$ 10,924.63	$ 63,255.25
BCID_3790	1.864703271	$ 31,074.62	$ 17,370.00	$ 16,895.19	$ 65,339.81
BCID_3791	0.633345351	$ 28,658.69	$ 16,599.79	$ 8,316.26	$ 53,574.74
BCID_3792	2.256265523	$ 286,977.09	$ 559,313.56	$ (9,247.48)	$ 837,043.16
BCID_3864	3.613778647	$ 63,347.43	$ 34,631.24	$ 34,697.94	$ 132,676.61
BCID_3865	2.2582941	$ 153,780.88	$ 409,612.60	$ (13,799.18)	$ 549,594.30
BCID_3913	2.167533739	$ 84,222.69	$ 46,812.95	$ 49,199.78	$ 180,235.41
BCID_3915	3.586301454	$ 58,328.05	$ 31,891.81	$ 42,648.08	$ 132,867.94
BCID_3918	1.644164098	$ 529,590.79	$ 1,070,678.73	$ (48,089.73)	$1,552,179.79
BCID_3920	0.619918823	$ 23,840.66	$ 13,817.83	$ 7,020.99	$ 44,679.48
BCID_3922	2.989716999	$ 58,147.32	$ 31,905.59	$ 39,151.22	$ 129,204.14
BCID_3923	0.692875566	$ 37,234.83	$ 21,508.83	$ 11,476.63	$ 70,220.30

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_3925	2.025661854	$ 188,843.47	$ 508,396.50	$ (17,466.21)	$ 679,773.76
BCID_3927	0.882376999	$ 23,181.11	$ 13,287.70	$ 8,327.92	$ 44,796.72
BCID_3932	2.689486311	$ 54,460.39	$ 30,008.45	$ 35,092.69	$ 119,561.53
BCID_3933	4.243382967	$ 70,213.77	$ 38,231.62	$ 55,267.97	$ 163,713.35
BCID_3978	3.753509029	$ 43,954.00	$ 24,011.94	$ 24,467.23	$ 92,433.17
BCID_3984	1.692690614	$ 183,902.90	$ 489,645.64	$ (18,404.49)	$ 655,144.05
BCID_4019	1.703246416	$ 173,065.46	$ 349,850.37	$ (15,364.06)	$ 507,551.76
BCID_4030	4.842046384	$ 144,593.61	$ 299,776.02	$ (7,648.42)	$ 436,721.21
BCID_4032	3.628211975	$ 60,579.13	$ 33,115.36	$ 44,516.21	$ 138,210.70
BCID_4033	0.553561474	$ 20,414.66	$ 11,870.75	$ 6,347.26	$ 38,632.67
BCID_4036	1.283752648	$ 34,039.59	$ 19,271.88	$ 17,963.13	$ 71,274.60
BCID_4038	1.863651133	$ 38,303.78	$ 71,890.40	$ (3,116.13)	$ 107,078.05
BCID_4041	0.295074463	$ 22,048.90	$ 13,015.42	$ 5,089.77	$ 40,154.09
BCID_4043	4.031177934	$ 68,343.05	$ 37,280.92	$ 52,504.10	$ 158,128.07
BCID_4044	1.605225006	$ 84,313.50	$ 47,373.10	$ 50,137.02	$ 181,823.62
BCID_4103	10.64072868	$ 91,416.55	$ 47,678.23	$ 87,732.97	$ 226,827.75
BCID_4106	0.820533752	$ 16,241.23	$ 41,419.22	$ -	$ 57,660.45
BCID_4107	0.305192003	$ 33,758.22	$ 86,091.94	$ -	$ 119,850.15
BCID_4145	1.088953429	$ 822,706.61	$ 2,283,221.09	$ (2,238.76)	$3,103,688.93
BCID_4146	2.088905431	$ 47,418.30	$ 26,395.59	$ 27,206.96	$ 101,020.86
BCID_4147	0.231226443	$ 78,053.13	$ 119,894.11	$ -	$ 197,947.24
BCID_4151	0.344082397	$ 84,568.47	$ 171,262.96	$ -	$ 255,831.43
BCID_4152	1.026881425	$ 56,875.98	$ 32,438.20	$ 31,683.92	$ 120,998.09
BCID_4153	0.668065631	$ 53,822.48	$ 108,998.03	$ -	$ 162,820.51
BCID_4156	-0.285653048	$ 5,640.92	$ 6,964.02	$ -	$ 12,604.94
BCID_4159	3.04167679	$ 53,308.56	$ 31,417.12	$ 55,118.39	$ 139,844.07
BCID_4164	-0.50030061	$ 19,910.60	$ 13,149.64	$ -	$ 33,060.23
BCID_4177	1.134893064	$ 51,820.97	$ 29,764.65	$ 18,793.97	$ 100,379.59
BCID_4181	0.621204625	$ 66,768.78	$ 38,696.20	$ 10,826.69	$ 116,291.68
BCID_4196	1.10910848	$ 37,219.92	$ 21,174.87	$ 21,726.44	$ 80,121.22
BCID_4235	1.667964547	$ 41,709.38	$ 23,404.29	$ 21,488.28	$ 86,601.95
BCID_4240	0.690805743	$ 24,697.02	$ 14,267.63	$ 7,823.83	$ 46,788.49
BCID_4241	0.325076832	$ 18,947.03	$ 38,370.38	$ -	$ 57,317.41
BCID_4242	2.304182233	$ 65,819.67	$ 36,493.85	$ 39,579.51	$ 141,893.03
BCID_4243	2.336252924	$ 28,421.51	$ 75,451.19	$ (2,525.93)	$ 101,346.77
BCID_4244	0.009598013	$ 5,334.44	$ 6,415.32	$ -	$ 11,749.76
BCID_4245	1.010772905	$ 971,299.36	$ 1,615,893.77	$ (65,593.09)	$2,521,600.04
BCID_4246	2.515594482	$ 30,917.71	$ 17,081.83	$ 22,768.18	$ 70,767.72
BCID_4249	0.610620534	$ 123,838.87	$ 250,791.02	$ -	$ 374,629.89
BCID_4250	0.846580505	$ 9,197.17	$ 23,455.08	$ -	$ 32,652.25
BCID_4251	2.055441256	$ 75,529.37	$ 154,135.58	$ (5,986.70)	$ 223,678.25
BCID_4254	3.419821537	$ 58,593.20	$ 32,065.65	$ 41,959.37	$ 132,618.23
BCID_4255	2.371075604	$ 83,949.86	$ 49,205.31	$ 78,324.14	$ 211,479.31
BCID_4262	4.454753576	$ 116,994.76	$ 63,594.20	$ 53,327.20	$ 233,916.17
BCID_4286	2.704102331	$ 94,745.08	$ 55,705.01	$ 52,927.07	$ 203,377.16

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4301	3.284006455	$ 56,472.48	$ 30,928.91	$ 13,527.18	$ 100,928.57
BCID_4310	0.144550636	$ 17,958.41	$ 10,718.18	$ 1,856.10	$ 30,532.69
BCID_4320	0.364056316	$ 13,549.86	$ 26,747.77	$ 14,003.78	$ 54,301.41
BCID_4324	-0.305405588	$ 15,859.73	$ 10,014.32	$ -	$ 25,874.06
BCID_4325	2.912104445	$ 53,635.08	$ 29,460.31	$ 35,729.96	$ 118,825.35
BCID_4326	2.007541754	$ 48,498.38	$ 27,040.16	$ 27,284.08	$ 102,822.63
BCID_4327	1.763893693	$ 40,872.48	$ 22,890.56	$ 21,642.03	$ 85,405.07
BCID_4328	4.119277954	$ 65,112.76	$ 35,491.52	$ 50,541.33	$ 151,145.62
BCID_4329	1.725013733	$ 40,406.69	$ 22,647.07	$ 21,164.99	$ 84,218.75
BCID_4336	0.997186126	$ 421,424.57	$ 831,903.04	$ 435,542.20	$1,688,869.81
BCID_4342	0.765494972	$ 33,063.83	$ 19,040.06	$ 10,873.29	$ 62,977.18
BCID_4343	0.615900819	$ 27,156.45	$ 15,742.64	$ 7,731.16	$ 50,630.24
BCID_4344	0.773561196	$ 33,189.68	$ 19,106.17	$ 10,987.87	$ 63,283.72
BCID_4345	0.821732723	$ 29,994.65	$ 17,233.41	$ 10,314.89	$ 57,542.95
BCID_4346	0.522279406	$ 25,865.51	$ 15,064.57	$ 6,555.97	$ 47,486.04
BCID_4347	0.394434197	$ 24,102.66	$ 14,138.62	$ 4,951.18	$ 43,192.46
BCID_4350	0.45633864	$ 155,925.44	$ 307,800.86	$ 136,955.50	$ 600,681.80
BCID_4359	3.345776191	$ 1,764,579.75	$ 5,347,263.99	$ (103,183.59)	$7,008,660.15
BCID_4360	4.5147293	$ 58,468.39	$ 148,950.71	$ (4,057.08)	$ 203,362.02
BCID_4364	0.548172232	$ 26,222.54	$ 15,252.10	$ 6,880.99	$ 48,355.63
BCID_4407	1.597153747	$ 60,874.98	$ 123,082.59	$ (5,630.86)	$ 178,326.71
BCID_4410	0.709615329	$ 42,271.37	$ 83,444.78	$ 43,687.45	$ 169,403.60
BCID_4426	1.624075295	$ 40,101.96	$ 22,522.98	$ 20,386.37	$ 83,011.32
BCID_4427	1.623581135	$ 45,371.68	$ 25,482.95	$ 23,061.77	$ 93,916.41
BCID_4428	1.552024779	$ 39,218.85	$ 22,061.36	$ 19,481.95	$ 80,762.16
BCID_4429	2.424348996	$ 49,437.96	$ 27,354.80	$ 35,807.73	$ 112,600.50
BCID_4430	2.274026859	$ 47,762.98	$ 26,496.38	$ 33,587.47	$ 107,846.83
BCID_4431	0.222427471	$ 43,433.16	$ 93,848.26	$ -	$ 137,281.41
BCID_4434	0.584504277	$ 55,756.83	$ 110,065.42	$ 57,624.67	$ 223,446.92
BCID_4435	0.599369087	$ 176,230.44	$ 293,982.86	$ -	$ 470,213.29
BCID_4438	0.270476405	$ 20,646.04	$ 40,755.82	$ 21,337.68	$ 82,739.53
BCID_4439	0.671932413	$ 29,710.85	$ 58,649.99	$ 30,706.16	$ 119,067.01
BCID_4440	0.291992188	$ 18,684.12	$ 36,882.94	$ 19,310.04	$ 74,877.10
BCID_4441	0.279147712	$ 22,061.57	$ 43,550.11	$ 22,800.63	$ 88,412.31
BCID_4442	1.232899215	$ 92,673.92	$ 176,159.33	$ 103,988.53	$ 372,821.78
BCID_4443	0.399905552	$ 33,098.54	$ 65,337.37	$ 34,207.33	$ 132,643.25
BCID_4444	1.619351474	$ 96,667.99	$ 175,124.17	$ 118,915.06	$ 390,707.22
BCID_4445	0.398444644	$ 36,900.47	$ 72,842.50	$ 38,136.63	$ 147,879.60
BCID_4446	0.262449421	$ 16,413.01	$ 32,399.71	$ 16,962.84	$ 65,775.57
BCID_4450	0.679130985	$ 28,259.51	$ 55,785.01	$ 29,206.20	$ 113,250.72
BCID_4451	0.526826702	$ 31,807.33	$ 62,788.49	$ 32,872.86	$ 127,468.68
BCID_4452	0.76992728	$ 61,944.99	$ 122,281.03	$ 64,020.14	$ 248,246.16
BCID_4457	0.599960327	$ 49,914.12	$ 98,531.77	$ 51,586.23	$ 200,032.12
BCID_4458	1.572393165	$ 113,939.72	$ 207,466.19	$ 138,887.50	$ 460,293.41
BCID_4459	1.27519504	$ 80,720.58	$ 152,513.21	$ 91,695.17	$ 324,928.95

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4460	1.522409371	$ 90,732.02	$ 166,139.33	$ 109,471.56	$ 366,342.90
BCID_4466	2.089764809	$ 61,734.04	$ 34,363.93	$ 35,427.98	$ 131,525.95
BCID_4468	-0.002225213	$ 21,764.23	$ 13,159.21	$ -	$ 34,923.44
BCID_4471	0.384678874	$ 28,000.38	$ 16,434.67	$ 5,641.07	$ 50,076.12
BCID_4473	2.025421692	$ 354,689.61	$ 692,077.00	$ (11,772.18)	$ 1,034,994.43
BCID_4474	3.899658203	$ 70,332.88	$ 38,395.14	$ 53,275.47	$ 162,003.50
BCID_4475	4.560830141	$ 49,997.53	$ 27,154.23	$ 40,677.84	$ 117,829.60
BCID_4477	0.615650708	$ 30,725.76	$ 17,811.99	$ 8,744.86	$ 57,282.61
BCID_4478	1.608947754	$ 39,916.55	$ 22,426.06	$ 20,196.48	$ 82,539.09
BCID_4479	1.449702181	$ 37,964.70	$ 21,405.78	$ 18,197.54	$ 77,568.02
BCID_4480	1.409646647	$ 35,501.44	$ 20,036.03	$ 16,763.43	$ 72,300.91
BCID_4481	1.60798645	$ 39,904.76	$ 22,419.90	$ 20,184.42	$ 82,509.09
BCID_4482	0.907374394	$ 31,175.56	$ 17,853.69	$ 11,389.91	$ 60,419.16
BCID_4483	0.615388528	$ 27,149.38	$ 15,738.93	$ 7,724.73	$ 50,613.04
BCID_4484	1.345495025	$ 41,514.75	$ 23,466.83	$ 19,111.76	$ 84,093.34
BCID_4485	0.596257357	$ 26,885.59	$ 15,600.37	$ 7,484.58	$ 49,970.53
BCID_4486	0.621406735	$ 27,232.37	$ 15,782.51	$ 7,800.27	$ 50,815.16
BCID_4502	0.367676096	$ 19,146.57	$ 37,795.82	$ 19,787.97	$ 76,730.36
BCID_4504	1.498212653	$ 111,808.97	$ 205,307.10	$ 134,207.01	$ 451,323.08
BCID_4505	1.533905029	$ 86,003.87	$ 157,275.26	$ 104,016.71	$ 347,295.85
BCID_4506	1.526226755	$ 221,286.08	$ 405,019.86	$ 267,204.09	$ 893,510.04
BCID_4507	1.460131836	$ 177,271.37	$ 326,983.88	$ 211,000.21	$ 715,255.45
BCID_4509	1.472005702	$ 178,237.73	$ 328,299.14	$ 212,716.07	$ 719,252.93
BCID_4510	1.517475379	$ 112,990.48	$ 207,014.01	$ 136,185.31	$ 456,189.80
BCID_4511	1.500772241	$ 50,149.24	$ 92,058.10	$ 60,228.63	$ 202,435.97
BCID_4512	1.5272897	$ 110,783.21	$ 202,741.88	$ 133,801.10	$ 447,326.19
BCID_4513	1.25321524	$ 97,260.62	$ 184,336.89	$ 109,790.29	$ 391,387.80
BCID_4521	2.47862749	$ 28,728.64	$ 41,321.32	$ (1,250.96)	$ 68,799.00
BCID_4522	2.224577394	$ 27,165.17	$ 38,715.55	$ (1,217.79)	$ 64,662.93
BCID_4608	0.645158451	$ 51,518.18	$ 82,966.31	$ -	$ 134,484.49
BCID_4614	1.112118956	$ 101,438.42	$ 170,365.55	$ (6,389.61)	$ 265,414.36
BCID_4623	1.649976012	$ 55,984.49	$ 113,183.15	$ (5,072.25)	$ 164,095.39
BCID_4624	1.074010871	$ 86,392.58	$ 174,911.29	$ (10,178.94)	$ 251,124.93
BCID_4625	0.620664892	$ 65,932.76	$ 133,523.04	$ -	$ 199,455.80
BCID_4648	3.090895495	$ 58,231.52	$ 31,929.22	$ 39,819.81	$ 129,980.55
BCID_4649	2.802243356	$ 53,648.68	$ 29,512.80	$ 35,175.45	$ 118,336.93
BCID_4650	3.502909546	$ 60,755.44	$ 33,233.82	$ 43,970.64	$ 137,959.90
BCID_4651	3.531852409	$ 26,861.48	$ 81,362.71	$ (1,517.99)	$ 106,706.20
BCID_4652	2.328452003	$ 23,381.22	$ 67,124.24	$ (1,649.35)	$ 88,856.11
BCID_4656	0.148273697	$ 6,008.72	$ 10,936.67	$ -	$ 16,945.39
BCID_4657	2.604888916	$ 112,709.99	$ 227,379.61	$ (6,884.37)	$ 333,205.23
BCID_4668	0.607887268	$ 8,491.36	$ 13,649.15	$ -	$ 22,140.51
BCID_4669	1.60710907	$ 17,389.76	$ 32,312.24	$ (1,223.18)	$ 48,478.83
BCID_4670	0.678065663	$ 9,231.75	$ 14,889.33	$ -	$ 24,121.08
BCID_4671	1.227614004	$ 14,905.32	$ 25,745.56	$ (1,135.83)	$ 39,515.05

	Pre-Mitigation, 1% AEP Event				
	Flood Depth	Building Damage	Contents Damage	Relocation Cost	Total Damages
BCID_4672	1.606842041	$ 16,151.19	$ 30,009.53	$ (1,136.12)	$ 45,024.60
BCID_4673	1.770981462	$ 17,634.05	$ 33,589.92	$ (1,203.44)	$ 50,020.53
BCID_4674	1.983884585	$ 36,872.76	$ 72,222.59	$ (2,427.38)	$ 106,667.97
BCID_4675	2.616954856	$ 22,488.14	$ 45,388.36	$ (1,371.82)	$ 66,504.68
BCID_4676	2.616937586	$ 22,117.88	$ 44,641.02	$ (1,349.24)	$ 65,409.66
BCID_4678	2.603919983	$ 42,564.25	$ 85,865.33	$ (2,600.11)	$ 125,829.47
BCID_4729	1.238642101	$ 51,723.97	$ 29,782.19	$ 19,742.56	$ 101,248.72
BCID_4742	1.665526036	$ 40,610.02	$ 22,788.56	$ 20,906.69	$ 84,305.27
BCID_4765	3.625480652	$ 61,950.48	$ 33,865.48	$ 45,509.22	$ 141,325.19
BCID_4766	3.38780503	$ 59,633.20	$ 32,640.63	$ 42,525.78	$ 134,799.61
BCID_4821	1.353886158	$ 75,480.91	$ 134,590.45	$ (7,074.87)	$ 202,996.49

Appendix G

American Community Survey (ACS) 2021 5-year Population Estimates

Supporting Documentation for Population Impacted: Fayetteville, NC - Russell Person St Bridge and Stream Improvement

GEO_ID	1400000US3 7051000200	1400000US3 7051000600	1400000US3 7051000701	1400000US3 7051000702	1400000US3 7051001701	1400000US3 7051002100	1400000US3 7051003800
NAME	Census Tract 2, Cumberland County, North Carolina	Census Tract 6, Cumberland County, North Carolina	Census Tract 7.01, Cumberland County, North Carolina	Census Tract 7.02, Cumberland County, North Carolina	Census Tract 17.01, Cumberland County, North Carolina	Census Tract 21, Cumberland County, North Carolina	Census Tract 38, Cumberland County, North Carolina
state	37	37	37	37	37	37	37
county	51	51	51	51	51	51	51
Estimate!!Total:SEX BY AGE	2266	5631	5366	2191	2877	3939	2533
Estimate!!Total:!!Male:SEX BY AGE	957	2640	2612	1054	1301	2065	1455
Estimate!!Total:!!Female:SEX BY AGE	1309	2991	2754	1137	1576	1874	1078
Estimate!!Total:SEX BY AGE (BLACK OR AFRICAN AMERICAN ALONE)	1715	1922	808	393	1247	1161	1790
Percent	76%	34%	15%	18%	43%	29%	71%
Estimate!!Total:SEX BY AGE (AMERICAN INDIAN AND ALASKA NATIVE ALONE)	33	114	0	0	89	6	105
Percent	1%	2%	0%	0%	3%	0%	4%
Estimate!!Total:SEX BY AGE (ASIAN ALONE)	22	141	317	68	52	425	4
Percent	1%	3%	6%	3%	2%	11%	0%
Estimate!!Total:SEX BY AGE (NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER ALONE)	0	0	0	0	0	46	0
Percent	0%	0%	0%	0%	0%	1%	0%
Estimate!!Total:SEX BY AGE (SOME OTHER RACE ALONE)	167	20	132	46	208	50	72
Percent	7%	0%	2%	2%	7%	1%	3%
Estimate!!Total:SEX BY AGE (TWO OR MORE RACES)	74	164	321	26	121	192	98
Percent	3%	3%	6%	1%	4%	5%	4%
Estimate!!Total:SEX BY AGE (HISPANIC OR LATINO)	189	416	258	116	198	413	95
Percent	8%	7%	5%	5%	7%	10%	4%
Estimate!!TotalHOUSING UNITS	1220	2744	2592	1113	1319	2282	1349
Percent	54%	49%	48%	51%	46%	58%	53%
Estimate!!Total:TOTAL POPULATION IN OCCUPIED HOUSING UNITS BY TENURE	2216	5484	5366	2171	2867	3939	1808
Percent	98%	97%	100%	99%	100%	100%	71%
Estimate!!Total:!!Owner occupiedTOTAL POPULATION IN OCCUPIED HOUSING UNITS BY TENURE	425	2562	3708	1657	1446	1901	477
Estimate!!Total:!!Renter occupiedTOTAL POPULATION IN OCCUPIED HOUSING UNITS BY TENURE	1791	2922	1658	514	1421	2038	1331
Percent	79%	52%	31%	23%	49%	52%	53%
Estimate!!Total:AGE BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 5 YEARS AND OVER IN LIMITED ENGLISH SPEAKING HOUSEHOLDS	26	38	16	0	72	204	18
Percent	1%	1%	0%	0%	3%	5%	1%
Estimate!!Total:!!Income in the past 12 months below poverty level:POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	1312	1114	928	192	836	596	629
Percent	58%	20%	17%	9%	29%	15%	25%
Estimate!!Total:!!Income in the past 12 months at or above poverty level:POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	941	4370	4438	1999	2041	3326	1240
Percent	42%	78%	83%	91%	71%	84%	49%
Estimate!!Median household income in the past 12 months (in 2020 inflation-adjusted dollars)MEDIAN HOUSEHOLD INCOME IN THE PAST 12 MONTHS (IN 2020 INFLATION-ADJUSTED DOLLARS)	$ 16,915.00	$ 52,721.00	$ 73,846.00	$ 72,841.00	$ 40,000.00	$ 38,375.00	$ 22,464.00