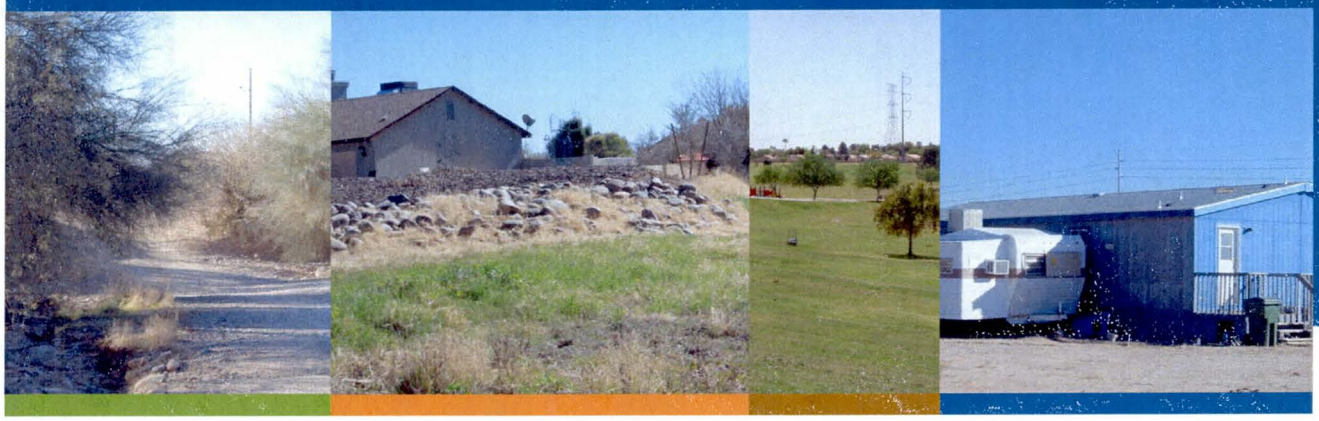
Flood Control District of Maricopa County

Hazard and Drainage Regulation Analysis

FCD Contract 2005C032

April 2011



Submitted to: Flood Control District of Maricopa County
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To: *Farhad Tavassoli*
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Date: *April 19, 2011*

Project: ***FCD No. 2005C032 - Hazus and Drainage Regulation Analysis***

Attached:

[#] Copy / Copies	*Five (5) Reports for the Hazus and Drainage Regulation Analysis*

For:

- ☐ Your Use
- ☒ As Requested
- ☐ Signature & Return
- ☐ For Your Information
- ☐ Appropriate Action
- ☒ Other

Remarks:

Farhad,

Here are five reports for the Hazus and Drainage Regulation Analysis project. Each report has a DVD with all the pertinent digital files as well as the pdf of the report. Please distribute accordingly.

Thanks,

Pat a Wolf

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Cc: Tim Murphy
Kathryn Gross
Jim Smith
Frank Brown
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1.0 INTRODUCTION

1.1 PURPOSE

This technical memorandum discusses the methodologies and results for the Hazus and Drainage Regulation Analysis project for the Flood Control District of Maricopa County (District). The District was interested in understanding and visualizing levels of risk beyond the traditional floodplain mapping.

Three pilot areas located across Maricopa County were selected for this project. The first pilot area was located in the Luke Wash watershed, a very rural area that has experienced heavy development over the last 10 years. The second area was in the Desert Hills watershed in north Phoenix. This area is a combination of newer subdivisions and large older lots. The last pilot area was Park Grove Estates, which consists of well established subdivisions located in the Town of Gilbert. These areas were selected because of known flooding issues, availability of topographic data, and recently developed hydrologic and hydraulic models.

In each of the three pilot areas, Dewberry captured building footprints for structures visible on the aerial imagery. Dewberry also conducted field visits to capture additional construction, flood proofing, structure type, foundation, and building use. This information was coded in the Federal Emergency Management Agencies (FEMA) Hazus software to estimate loss based on structure exposure during simulations of flooding depths during 5-, 10-, 25-, 50-, 100-, and 500-year recurrence events.

In addition to the Hazus simulation for existing conditions, three additional scenarios were performed varying the first floor heights based on their relationship to District regulations. The regulations in certain areas have changed based on type of floodplain mapping and available data. There also may be structures built prior to any regulation or not to current standards. The first scenario assumed there was no regulation and all structures were built at grade. The second simulation assumed all structures were built to the current drainage regulation, one foot above the Base Flood Elevation (BFE). The third scenario examined an increased building requirement of two feet above the BFE.

2.0 STUDY AREAS

2.1 LUKE WASH

The Luke Wash watershed is located in western Maricopa County, south of I-10 and just west of the Agua Fria River. A portion of this watershed was selected as the pilot area for this analysis. The pilot area is bounded by Lower Buckeye Road to the north, the Southern Pacific Railroad on the southern end, and lies between 343rd Avenue and the Agua Fria River. The Luke Wash pilot area is approximately 7.3 square miles.

Luke Wash Area - Typical Structure

The Luke Wash area contains mainly single lot development with many manufactured homes and unpaved roads. The number of residential structures has doubled since 2000 and the only commercial development within the study area is the Hickman's Egg Farm. The current floodplain is Zone AH, but a recent detailed study completed in 2008 will change the floodplain to Zone AE. That floodplain study is currently being reviewed by FEMA. Twenty one elevation certificates were issued for structures in this study area. The aerial mapping was created in 2010 and the topographic mapping was developed in 2005. No fire stations, schools, or hospitals are located in the watershed. The Luke Wash study area is shown in Figure 2.1.

Luke Wash Area - Typical Structures

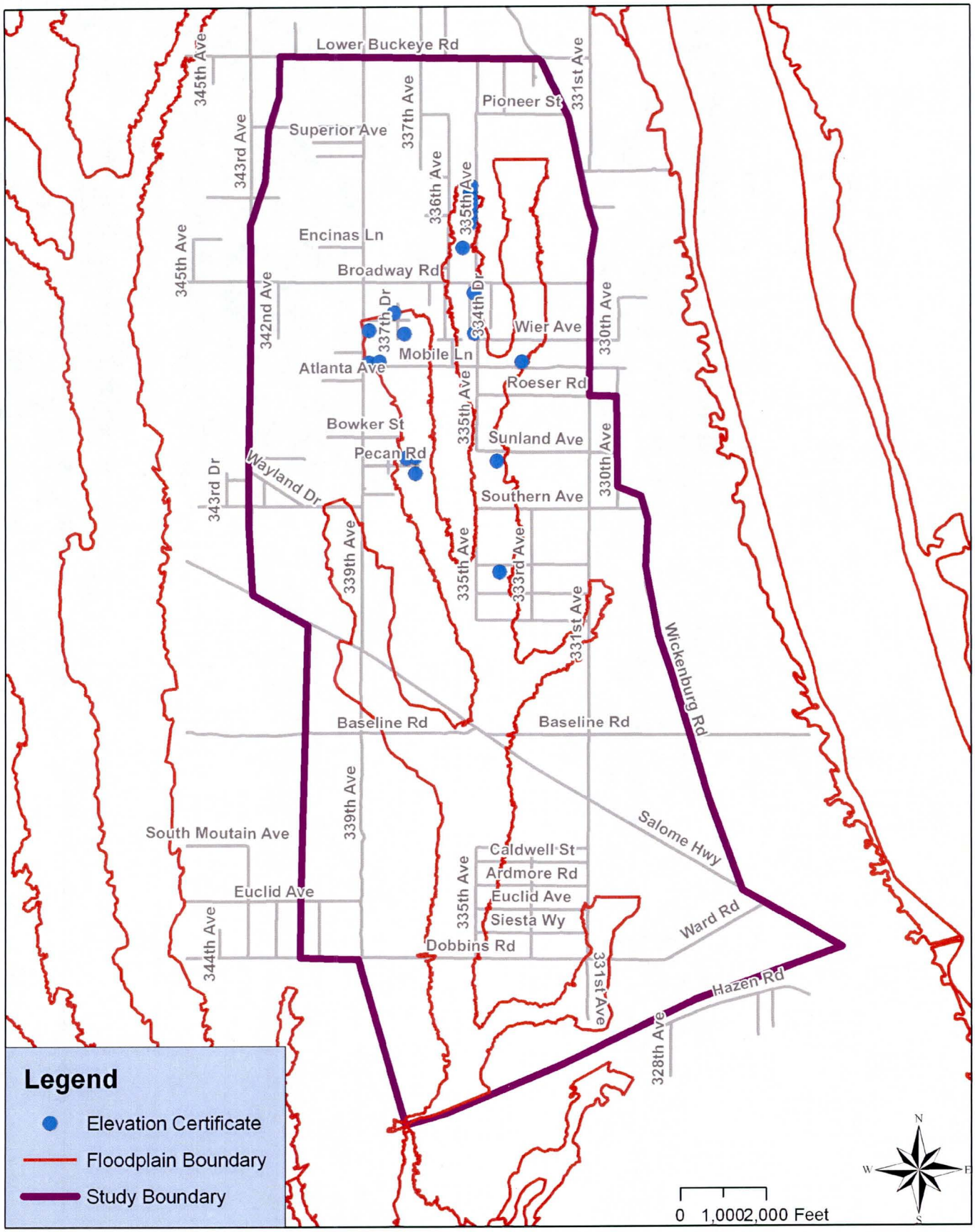


Figure 2.1:

Luke Wash Study Area

2.2 DESERT HILLS

The Desert Hills area is located in northern Phoenix, north of the Carefree Highway between 7th Avenue and 32nd Street. This area includes the Desert Lake Wash and Desert Hills Wash that combine and drain into the Apache Wash. These two watersheds were selected as the pilot area, which ends just upstream of Apache Wash at the Coyote Wash Drive alignment. The Desert Hills study area is approximately 9.0 square miles.

The Desert Hills area, which experienced significant development in the 1990s, is a mix of subdivision development combined with large single lot development. Many ranch properties and trails are located throughout the study area with commercial buildings located throughout the area catering to horse owners. A number of commercial buildings are also located along the Carefree Highway. Two schools are located in the study area, Desert Mountain and Stepping Stones Academy. No fire stations or hospitals are located in the study area.

Typical Structure – Desert Hills Study

The floodplain delineation in this area is Zone AE and was last studied in 1999. There were 120 elevation certificates issued for structures in the study area. The topographic mapping in this area was developed for four different studies in four different years. The initial topographic mapping for the Apache Wash Floodplain Delineation Study was developed in 1990. Topographic mapping for portions of this area was also created in 1997, 2002, and 2004. The Desert Hills study area is shown in Figure 2.2.

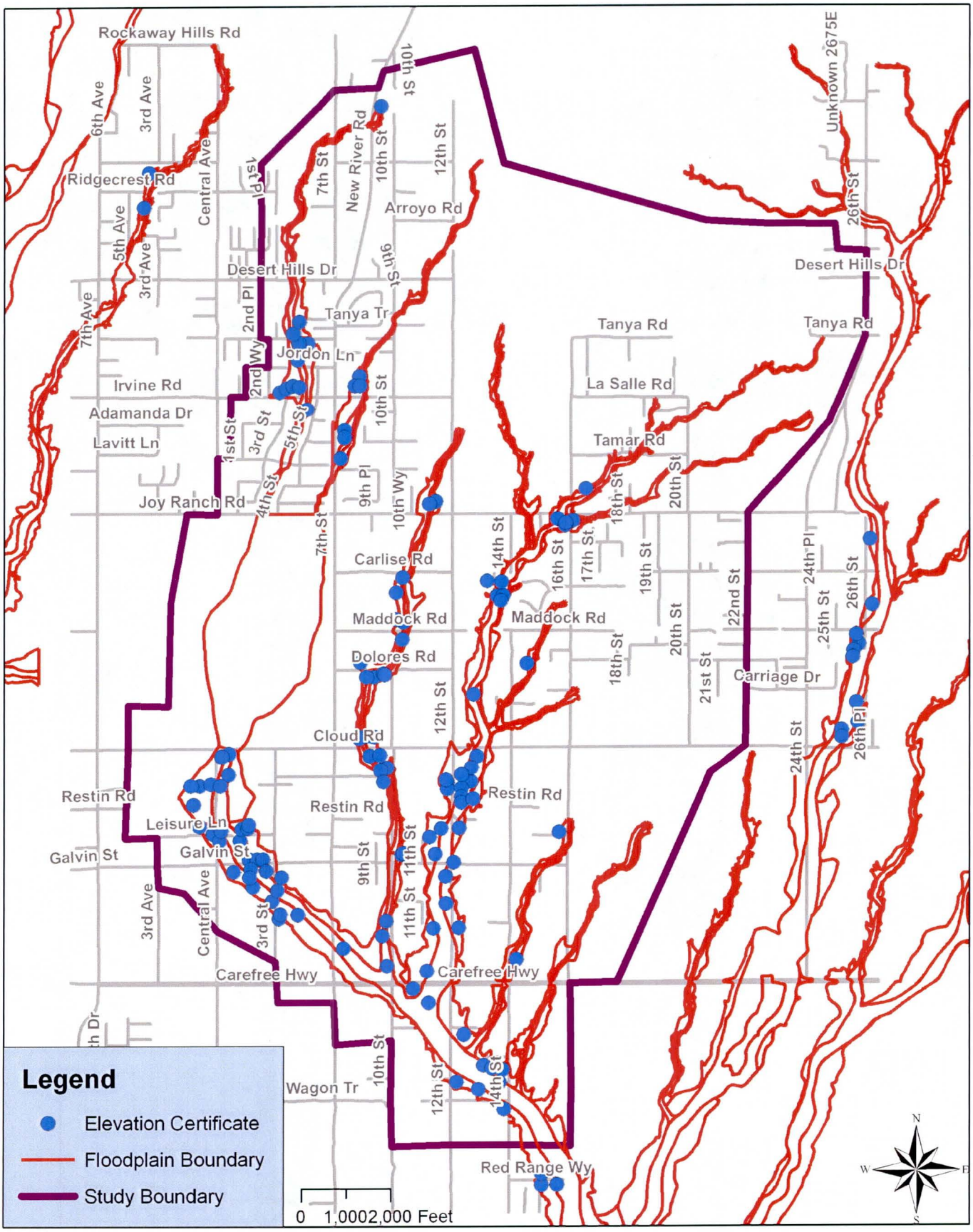


Figure 2.2:

Desert Hills Study Area

2.3 PARK GROVE ESTATES

The Park Grove Estates study area is located in the Town of Gilbert. It includes three subdivisions: Park Grove Estates, Summerfield Place, and Stonebridge Lakes. This study area is the smallest of the three and is approximately 115 acres.

Park Grove Estates Subdivision

The Park Grove Estates study area is comprised of well established subdivisions built in the mid-eighties and the structures are similar, masonry block houses. There is one school in this area, Gilbert Arts Academy. No fire stations or hospitals are located in the study area. A single commercial office building is located on the northeast corner of Elliot Road and Lindsay Road.

The floodplain in this area is Zone AH. Flooding occurs as a result of water ponding behind the Consolidated Canal. This area was recently restudied in 2008 and has been submitted to FEMA for review. Forty-nine elevation certificates were issued for structures in the Park Grove Estates subdivision. The topographic mapping for this study area was created in 2003. The Park Grove Estates study area is shown in Figure 2.3.

Park Grove Estates - Typical Structure

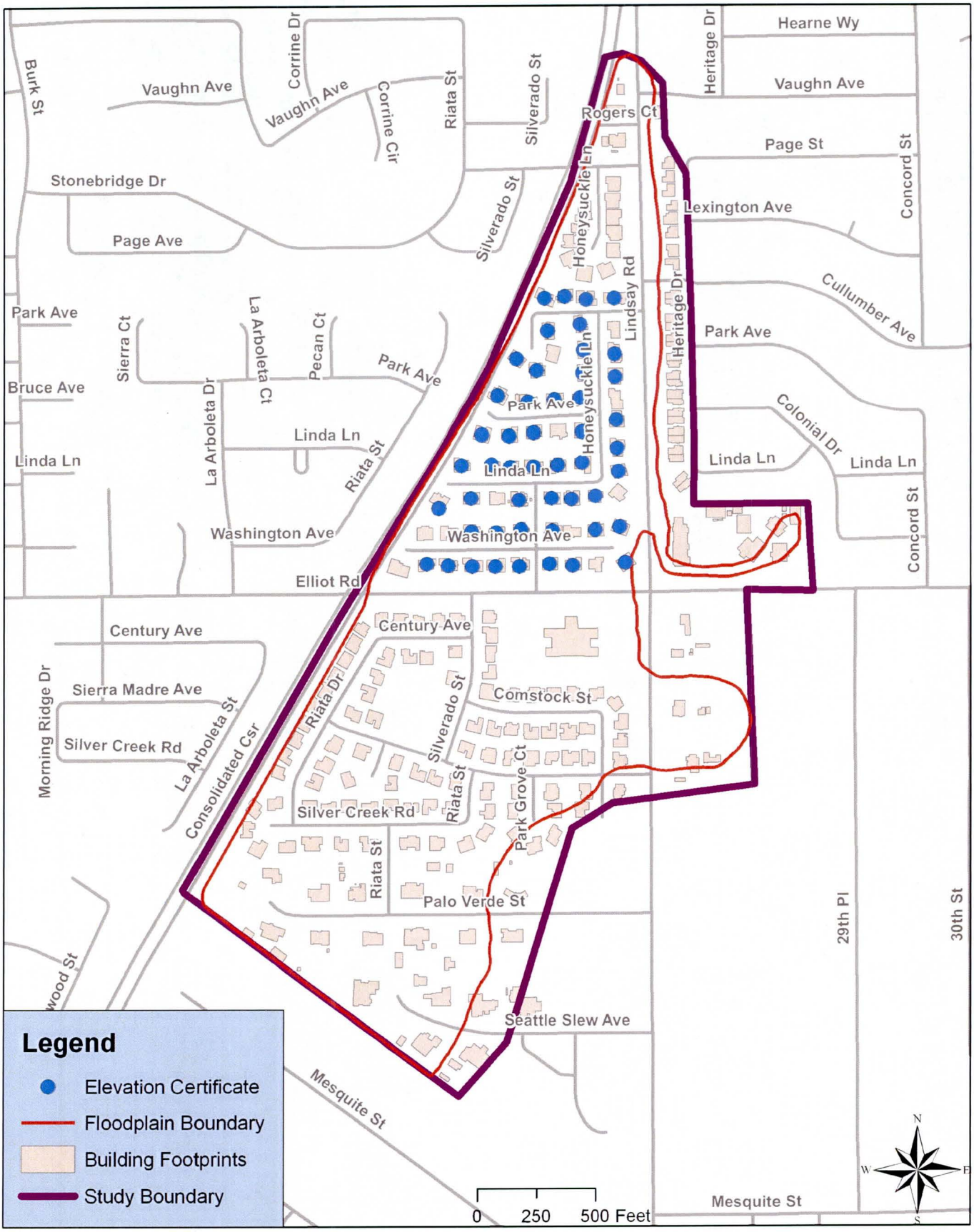


Figure 2.3:

Park Grove Estate Study Area

3.0 STRUCTURE DATA CAPTURE

3.1 BUILDING FOOTPRINTS

Dewberry extracted two-dimensional building footprints using BAE Systems Socet Set and the Socet for ArcGIS extension. The Socet for ArcGIS extension allows for the collection to be imported directly into a geodatabase while utilizing the extraction capabilities of Socet Set. The collection speed is increased by the system configuration and more accurate placement of vertices using the three dimensional mouse, which provides better control over the placement of each vertex. The workflow allows for the automatic attribution for the date of capture for each feature. Dewberry collected building footprints using the images supplied by the District for each study area. A Hazus code identifying use was associated with each building during extraction. In areas where building use was uncertain, ancillary data were used to help in identification. In some instances the parcel data supplied information regarding structure use, while in other areas an internet search was performed to identify the use of the feature.

After the initial collection of the features and the attribution of the Hazus code, additional information was added to the geodatabase attributes. This information included the number of stories of the feature; the associated assessor parcel number (APN); the elevation certificate identification number; the estimated finished floor elevation (FFE); and the vertical datum from the elevation certificate. The number of stories for each feature was estimated based on the feature's Hazus code. Residential structures were assumed to be single story. The number of stories for features that were coded as commercial or industrial were reviewed a second time against the aerial to determine whether they were greater than a single story. The associated APN was obtained through spatial joining of the parcel data with the completed buildings. Buildings that fell across two parcels (e.g., a Duplex) had both APN values associated in the attribute table.

Elevation certificate points were provided by the District for the Luke Wash and Desert Hills study area. The scanned elevation certificates were the only information available for Park Grove Estates. Dewberry attributed this information to the building footprints. In order to attribute the lowest adjacent grade (LAG), highest adjacent grade (HAG), and FFEs, the elevation certificate points were joined to the building footprints to assign the elevation certificate identification. Once the points were joined, the LAG, HAG, and FFE values were extracted from the elevation certificates and placed into the attribute table. This process was completed manually by reviewing each elevation certificate and the entering the values into the attribute table. The vertical datum was also placed into the attribute table during this data entry. The completed features were reviewed to ensure that all valid attribution was obtained and correctly inserted into the attribute table. A visual inspection of the building footprints was performed to ensure that no features were missed and that the geometry of the features collected matched the imagery supplied.

3.2 FIELD DATA CAPTURE

Dewberry conducted field visits to the study areas supplementing the building footprint data by collecting additional data needed for the Hazus analysis. The initial field visit for each area was done with District staff to establish the typical data type specific to that area. Dewberry created a GIS-based field data collection tool used in ArcGIS to collect structure data called GeoWISH (Geospatial Windshield Survey for Hazus). This tool assisted field staff interacting with ArcMAP by displaying an aerial image, street address, and parcel information and it allowed the staff to update the building footprint with field observations. This data was then automatically formatted for use in a Hazus analysis.

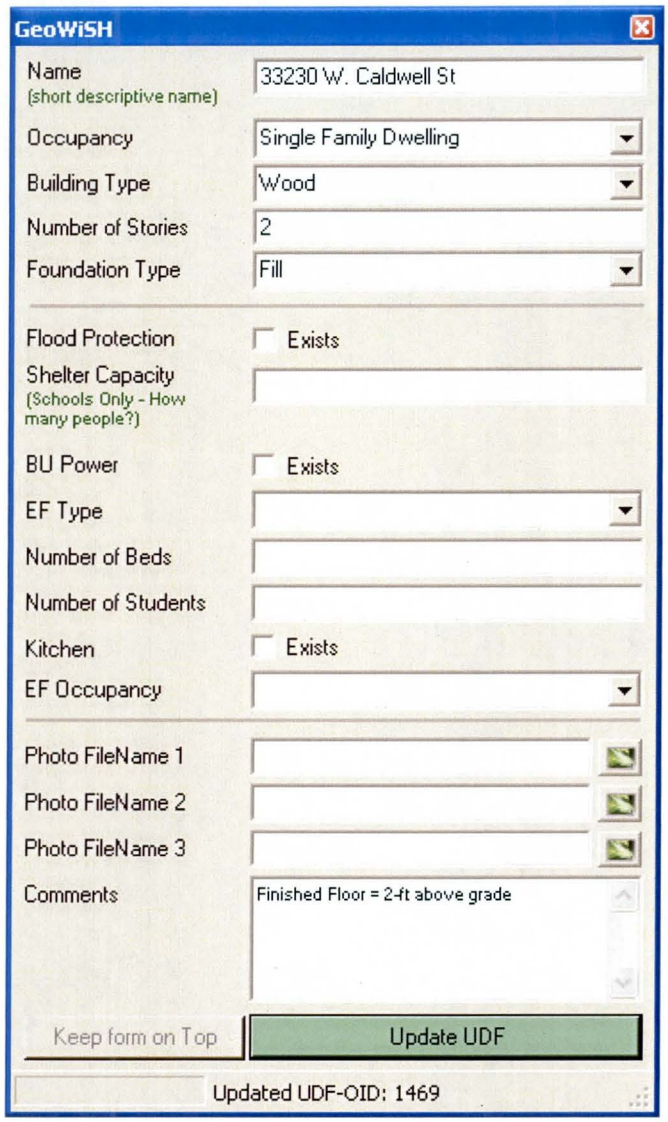


FIGURE 3.1
GEOWISH FIELD COLLECTION TOOL

The field data collected included the foundation type, occupancy and building type, number of stories, and the estimated elevation of the first floor. The first floor elevation was estimated based on the front entrance and the relation to the surrounding ground. A field data collection file was created for each project area that contained the aerial images and the data collection points. The data collection points were developed based on the building footprints and were located at the centroid of the structure.

District staff entering field data

The field data collection discovered some structures that were not captured using the aerial mapping, as well as some newly constructed or buildings under construction. These points were added into the analysis. Field observations also determined there were a few abandoned buildings in Luke Wash.

Luke Wash abandoned structure

3.3 USER-ASSIGNED ASSUMPTIONS (UDF DEVELOPMENT)

Two types of methodologies can be used in the Hazus analysis: User-Defined Facility (UDF) and General Building Stock. Hazus analyzes point locations in its damage evaluation which is the reason the UDF methodology was selected for this project. UDF analysis in the Hazus model uses locally-developed data designed to surpass the analysis quality that would otherwise be performed on aggregated groups of structures by Census Block area.

A number of assumptions were applied during the process of developing UDF attributes. These assumptions affected the attributes Hazus requires to perform its damage/loss analysis. The following represent the assumptions used:

Year Built – this attribute is needed to establish both the first floor height (FirstFloorHt) attribute and the design level (DesignLevel) attribute.

- This project included four separate Hazus runs with varying first floor heights analyzing different conditions as discussed in a later section. In some cases, the year built was used to establish the first floor height attribute in relation to whether a structure was constructed pre- or post-Flood Insurance Rate Map (FIRM). In the existing condition Hazus run (Run 1), if an elevation certificate or field observation did not exist, an additional analysis of the field observations was used to establish an average first floor height. An appropriate first floor height was assigned based on the field observation analysis and depending on the year built.

- The year built was established using a relate/join table provided by the District and was shown in the delivery Geodatabase as "YearOfConstruction_ProvidedByCounty." In a few cases, a date was not available. Where a building was new construction, a year of 2010 was used. Where no other information was available, the National Flood Insurance Program entry date for each community was used for reference establishing pre-FIRM and post-FIRM eights as shown in Table 3.11 from the Hazus Technical Manual (Reference 1).

Table 3.11 Default Floor Heights Above Grade to Top of Finished Floor (Riverine)

ID	Foundation Type	Pre-FIRM	Post-FIRM
1	Pile	7 ft	8 ft
2	Pier (or post and beam)	5 ft	6 ft
3	Solid Wall	7 ft	8 ft
4	Basement (or Garden Level)	4ft	4 ft[1]
5	Crawlspace	3 ft	4 ft
6	Fill	2 ft	2 ft
7	Slab	1 ft	1 ft[1]

Source Data: Expert Opinion

Notes:

1 Typically not allowed, but may exist

The UDF analysis requires a design level (DesignLevel) attribute be assigned based solely on the year of construction. Table 6.2 of the Hazus Flood Model User Manual suggests how design levels should be assigned. These levels were used in this project.

- **DesignLevel**: depends on the **YearBuilt**

Table 6.2 DesignLevel Field Description

YearBuilt	Design Level
Prior – 1950	1
1950 – 1970	2
Post 1970	3
0 (set to Null)	0

Area – Hazus considers the area of a building to be the living space. This data was not available from a specific attribute in the local parcel data. The area attribute field was calculated using the following steps:

- Single story structures were assigned areas based on the GIS "Shape_Area," which is the calculated area of the building footprint polygon.
- Multiple story structures were individually reviewed to subjectively assess an additional percentage to be added to the GIS "Shape_Area." This was an approximation that was done visually. If a structure was estimated to have a second story covering approximately 20 percent of the structure footprint, then an additional 20 percent was added to the total area.

Cost – Assessor parcel data was reviewed and evaluated to determine the potential benefit in establishing the building cost. The three fields reviewed were the land assessed value; improvements assessed value, and full cash value. The improvements assessed value, which is the value of the structures on the parcel, was reviewed and determined that it could not be used in the analysis. There were some parcels with structures that did not have this information. Cost was estimated using the published replacement costs by Hazus sub-occupancy types found in Tables 14.1, 14.2 and 14.3 in the Hazus Flood Model Technical Manual (Reference 1). These tables are included in Appendix A.

An adjustment was applied to the replacement costs based on the size of the structure compared to the typical square footage shown in Tables 14.1 and 14.2 of the Hazus Flood Model Technical Manual (Reference 1). The adjustment considers the total square footage for each respective building footprint and whether it is greater or smaller than the typical square-footage as published in the Hazus tables. The adjustment assumes that if a structure is larger than this

typical square footage, then the replacement cost is slightly higher. Conversely, if the structure is smaller than the typical square footage, the cost to replace would be lower. The adjustment was made by applying a per-unit adjustment to the square-footage delta. The per-unit adjustment was determined by dividing the value in the attribute representing 'Means Cost/SF (2006)' by the value within the attribute representing 'Means Typ Size.' It is important to note that the attribute table of the building footprint layers includes many fields pertinent to cost, which are presented in Appendix A.

Contents Cost – The final adjusted cost per each building is multiplied by the appropriate published factor to estimate contents cost as found in Table 14.6 of the Hazus Flood Model Technical Manual (Appendix A). Certain structures located in the Luke Wash study area were determined to be abandoned. If a structure was abandoned, the contents cost was set to zero.

4.0 DEPTH GRIDS

A typical Hazus analysis requires a depth grid for the 100-year recurrence interval, but many Hazus studies analyze damages for the 5-, 10-, 25-, 50-, and 500-year recurrence intervals as well. The Hazus analysis was done for all the recurrence intervals for this project. The depth grid is the difference between the modeled water surface elevation and the terrain elevation. The depth grid varies across the flood zone and gives a better representation of the risk of being flooded. Hazus uses the depths in correlation with the depth/damage curves imbedded in the software to calculate economic loss.

The depth grids generated for these areas used a grid size of 10-feet. The hydrologic and hydraulic models used to delineate the floodplains in the three study areas were developed by different methods. Due to these differences in modeling, the depth grids were developed differently in each study area. The methodologies for each study area are discussed in the following sections.

The terrain developed for the three study areas was created from many different sources of information provided by the District. This information was combined, converted to NAVD 88 where necessary, and standardized for use in this project.

4.1 LUKE WASH STUDY AREA

The most recent study of the area in the Luke Wash watershed was a detailed study resulting in a Zone AE Floodplain, and was completed in March 2009 (Reference 2). This report generated eight different hydrologic models for the 100-year recurrence event using different scenarios. The peak flow used in the hydraulic models and the corresponding floodplain delineation was the largest value of the eight HEC-1 models. The HEC-1 modeling scenarios and summary tables from the detailed study are included in Appendix B.

The 100-year flows from the floodplain delineation HEC-RAS model were used to estimate flows for the 5-, 10-, 25-, 50-, and 500-year recurrence intervals. The US Geological Survey (USGS) Region 13 equation was used to calculate the 100-year flow and that value was compared to the results of the HEC-1 model. The USGS equation overestimated the flows compared to the results of the HEC-1 and the values calculated for the smaller events could not be directly used. The flows for the 5-, 10-, 25- and 50-year recurrence intervals were calculated using their ratio compared to the100-year flow calculated using the Region 13 equation. This ratio was multiplied to the HEC-1 flow to determine the value for these recurrence intervals.

The 500-year flow was estimated using Section 6.2 of the Arizona Department of Transportation Bridge Hydraulics Guidelines (Reference 3), which recommended using 1.7 times the 100-year value for the 500-year flood event. The estimated flows for the Luke Wash study area are included in Appendix

Dewberry added the flow amounts to the HEC-RAS model created in the 2009 study. The water-surface elevations calculated in HEC-RAS for these events were attributed to the cross sections in GeoRAS. These values were used in creating the depth grids used in the Hazus analysis.

4.2 DESERT HILLS STUDY AREA

The latest study for this watershed was the Adobe Dam/Desert Hills Area Drainage Master Plan (Desert Hills ADMP) completed in 2006 (Reference 4). The flows developed in that study were not used to update the floodplain delineation. The last floodplain delineation study in this area, Floodplain Delineation and Topographic Mapping for the Desert Hills Area, was completed in November 1999 (Reference 5). That study concentrated more on the tributaries to Desert Hills Wash and Apache Wash. The hydrology for the tributaries was updated in this study, but was not updated for the two main washes. Several HEC-RAS models were created for the tributaries using the updated hydrology.

The floodplain delineation for Desert Hills Wash and Apache Wash was not updated in that report. Those floodplains were developed in the Apache Wash Flood Insurance Study (FIS) completed in 1992 (Reference 6), which used HEC-2 to model the stream hydraulics.

The peak flow used for the tributaries was taken from the 100-year, 24-hour HEC-1 model developed in the 1999 study. The peak flows from the 1992 study were used for Desert Hills Wash. The 100-year flows from these two studies were used to estimate flows for the 5-, 10-, 25-, 50-, and 500-year recurrence intervals. The flows developed in the Desert Hills ADMP were used to calculate ratios for the 5-, 10-, 25-, and 50-year recurrence intervals. These ratios were applied to the 100-year flow developed in the floodplain delineation studies to calculate flows for these smaller recurrence events. The 500-year value was estimated using the ADOT method described in the previous section. The result of this analysis is included in Appendix B.

The HEC-RAS models developed in the 1999 study were updated to include the flow developed in Table 4.2, located in Appendix B. The water-surface elevations calculated in the HEC-RAS for those events were attributed to the cross sections in GeoRAS. These values were used in creating the depth grids required for the Hazus analysis. The HEC-2 model for Desert Hills Wash was imported into HEC-RAS. The flow values for the different recurrence intervals were coded into the model and the water-surface elevations calculated were attributed to the cross sections in GeoRAS. This information was used to generate the depth grids in the Desert Hills study area.

4.3 PARK GROVE ESTATES STUDY AREA

The Park Grove Estates study area is located in the Town of Gilbert and bounded by the Consolidated Canal and Lindsay Road. Park Grove Estates is a subdivision located in the center of the study area. Two other subdivisions are located in the study area, Stonebridge Lakes to the north and Summerfield Place to the south.

This area was studied as part of the Chandler / Gilbert Floodplain Delineation Study in 2008 (Reference 7), which is currently being reviewed by FEMA. The floodplain in this study area results from water ponding upstream of the Consolidated Canal. The study area is located in two drainage basins (basins 308 and 310) shown on the floodplain delineation work map. A copy of the drainage basin map is included in Appendix B.

The 100-year, 6-hour HEC-1 model developed in the study determined the depth of the ponded water in this area. This HEC-1 model used Data Storage System (dss) files to recall flow from another HEC-1 model located upstream of the study area. The flow and volume of water from that upstream model affected the water-surface elevation in the Park Grove Estates study area. The District supplied the Drainage Design Management System program version 2.1 (DDMSW) parameters from both the upstream and project HEC-1 models. These parameters were updated to develop HEC-1 models for the 5-, 10-, 25-, 50-, and 500-year recurrence intervals. Since the version of DDMSW used to generate the parameters does not develop parameters for the 500-year event, the 100-year rainfall was multiplied by 1.7 to estimate flows during that event. The results of the HEC-1 models determined the depth grids for the two drainage basins. The revised digital HEC-1 models are included in the CD located in Appendix C.

5.0 PROBABILITY GRIDS

A probability grid shows the probability of flooding over time. The time window for this project is the typical 30-year mortgage which will give a sense of what economic loss would be over the typical homeownership life cycle. The probably grid is a statistical calculation generated from the results of the 10-, 25-, 50-, 100-, and 500-year depth grids.

The calculation is: $R = 1 - (1-p)^{30}$

Where R = probability of exceedance for a given flood in 30-years

P = percent annual chance for flooding for a given flood

This information relates to the grid itself and is manually used in combination with the water surface grid and FFE to estimate the chance of a flood during a 30-year mortgage. The probability grids for the three study areas are shown in Figures 5.1 through 5.3.

Dewberry used the probability grids developed for the three pilot areas to select ideal structures for the Benefit Cost Analysis (BCA). The selection of structures for the BCA is discussed in Section 7

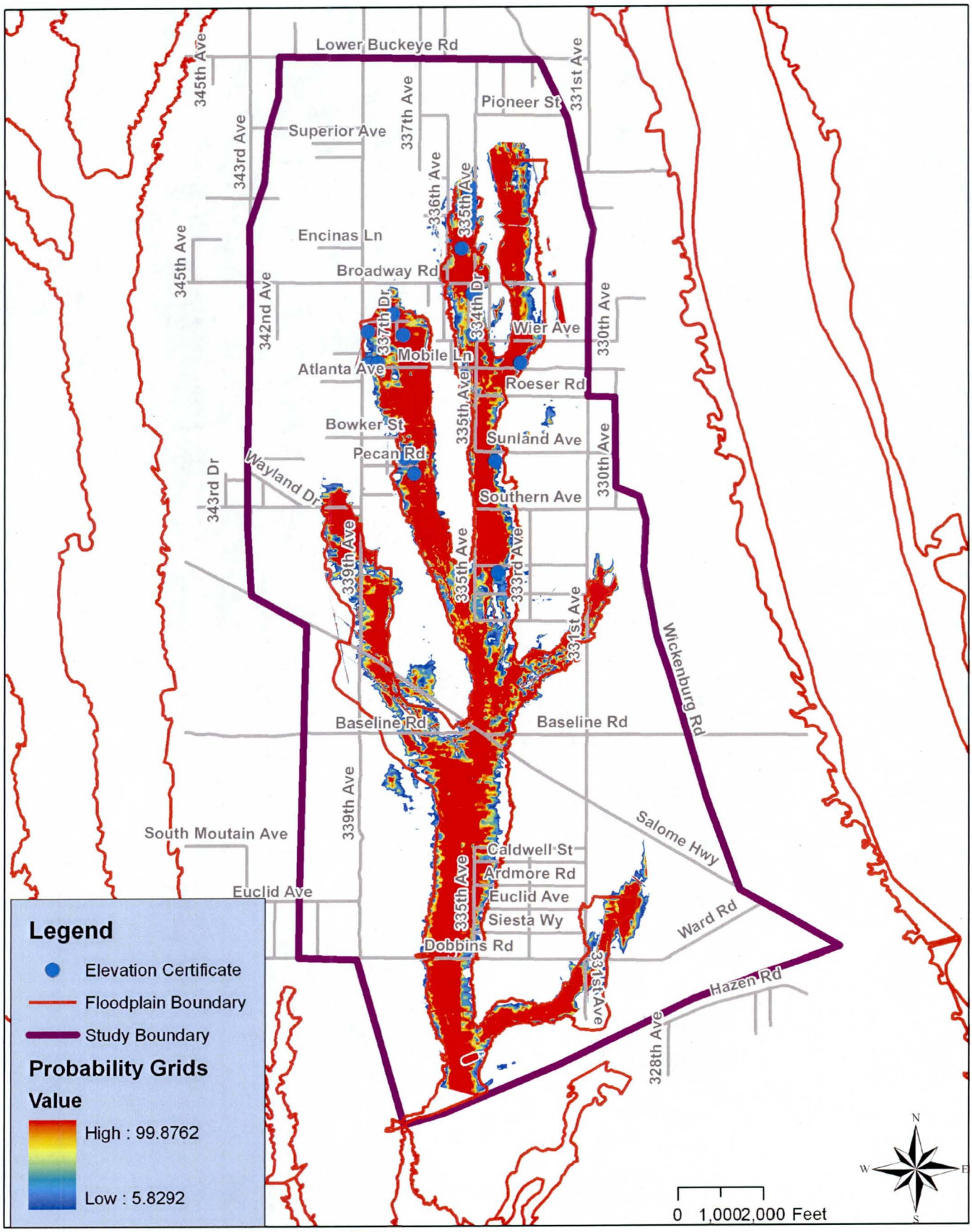


Figure 5.1:

Probability Grids - Luke Wash Study Area

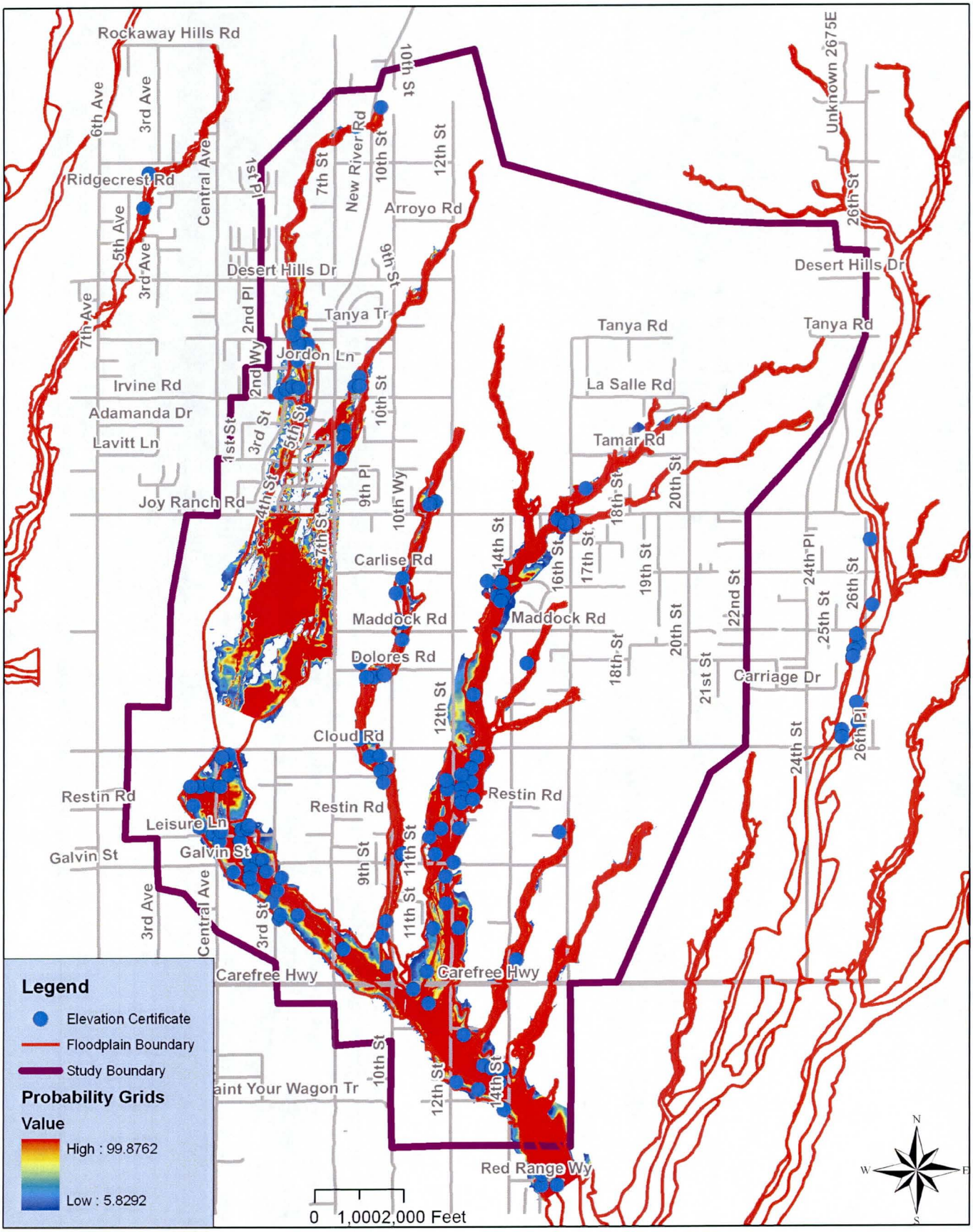


Figure 5.2:

Probability Grids - Desert Hills Study Area

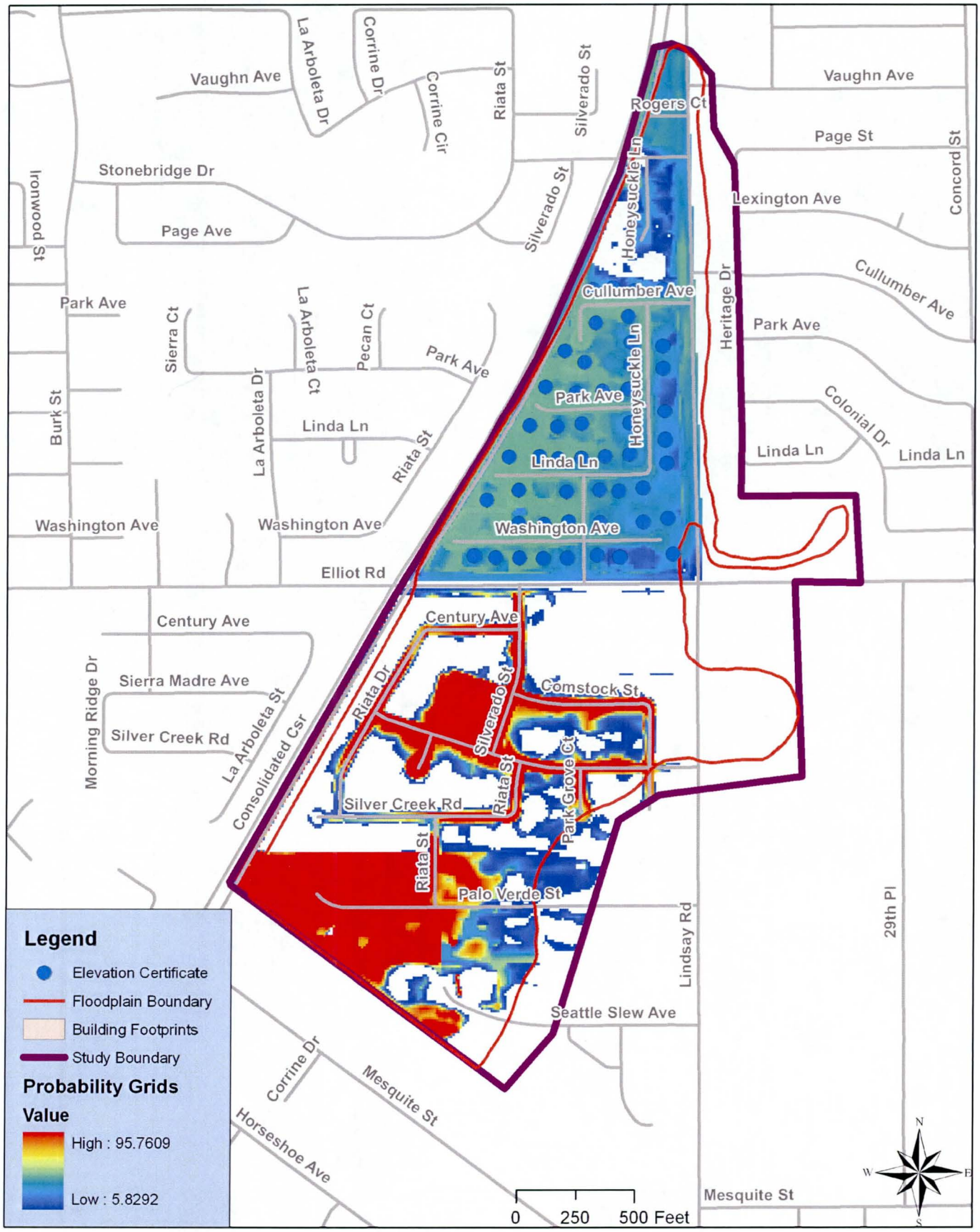


Figure 5.3:

Probability Grids - Park Grove Estate Study Area

6.0 HAZUS

Hazus, developed by FEMA for the National Institute of Building Standards, is standardized, nationally applicable natural hazard loss estimation software. Hazus generates estimates of damage to the regional building stock; estimates of economic loss; and population impacts from earthquake, flood and hurricane hazards. In using FEMA's Hazus software to perform loss and risk analysis, as with all computer models, assumptions and some generalization are required. Hazus MR5 was utilized in this analysis.

6.1 HAZUS RUNS (VARIOUS CONDITIONS)

This project analyzed four different Hazus runs by varying the first floor height based on District regulations. The regulations have changed over time and the District requested an analysis that would evaluate different situations. In order to account for these various situations, Dewberry performed the following runs:

- **Run1** – This run included all frequencies and was intended to establish current conditions based on both elevation certificate data and field observations of the first floor height.
- **Run2** – The purpose of this run was to do a Hazus analysis assuming all structures were built at grade, with no drainage regulation. This run included all frequencies.
- **Run3** – This run only included the 100-year depth grids as another representation of current conditions. It analyzed the structures built to current District Regulations and assumed first floor heights were at the BFE plus one foot.
- **Run4** – The purpose of this run was to do a Hazus analysis assuming the District elevation regulation was changed to BFE plus two feet and analyzed structures built to current District Regulations.

6.2 ASSUMPTIONS OF THE HAZUS RUNS

In order to establish the various Hazus run scenarios, adjustments were made to the first floor heights. Certain assumptions regarding the existing first floor heights specific to Run 1 are explained in the following section.

Run 1:

Where elevation certificates existed, first floor height was assumed to be:

- The finished floor elevation shown on the elevation certificate minus the HAG on the elevation certificate. In cases where the HAG elevation was not shown, the LAG was used.

- In the event that neither the HAG nor LAG was listed on the elevation certificate, Dewberry assigned the first floor height based on field observations.

Run 2:

- This run assumed all finished floors were at grade.
- The finished floor attribute (FFht) values were set to zero.

Run 3:

- This run assumed all buildings were constructed to the BFE plus one foot.
- Using the depth grid of the 100-year event, extract the depth value, then add 1-foot to that value to establish the finished floor elevation (FFht).

Run 4:

- Assumed all buildings were constructed to the current regulation and assumed the hypothetical of adding an additional 1-foot.
- Using the depth grid of the 100-year event, extract the depth value, then add 2-feet to that value to establish the finished floor elevation (FFht).

6.3 HAZUS RESULTS

The Hazus results for each study area are presented in Appendix D. The Hazus results tables show both inventory (value, percent of total and number of structures) and the various losses by study area for the described runs. The Hazus results for the existing conditions (Run 1) are shown graphically for each study area in Figures 6.1 through 6.3. The figures show the structures that incurred damage regardless of the recurrence interval; therefore the 500-year depth grid was selected to show the largest inundation area.

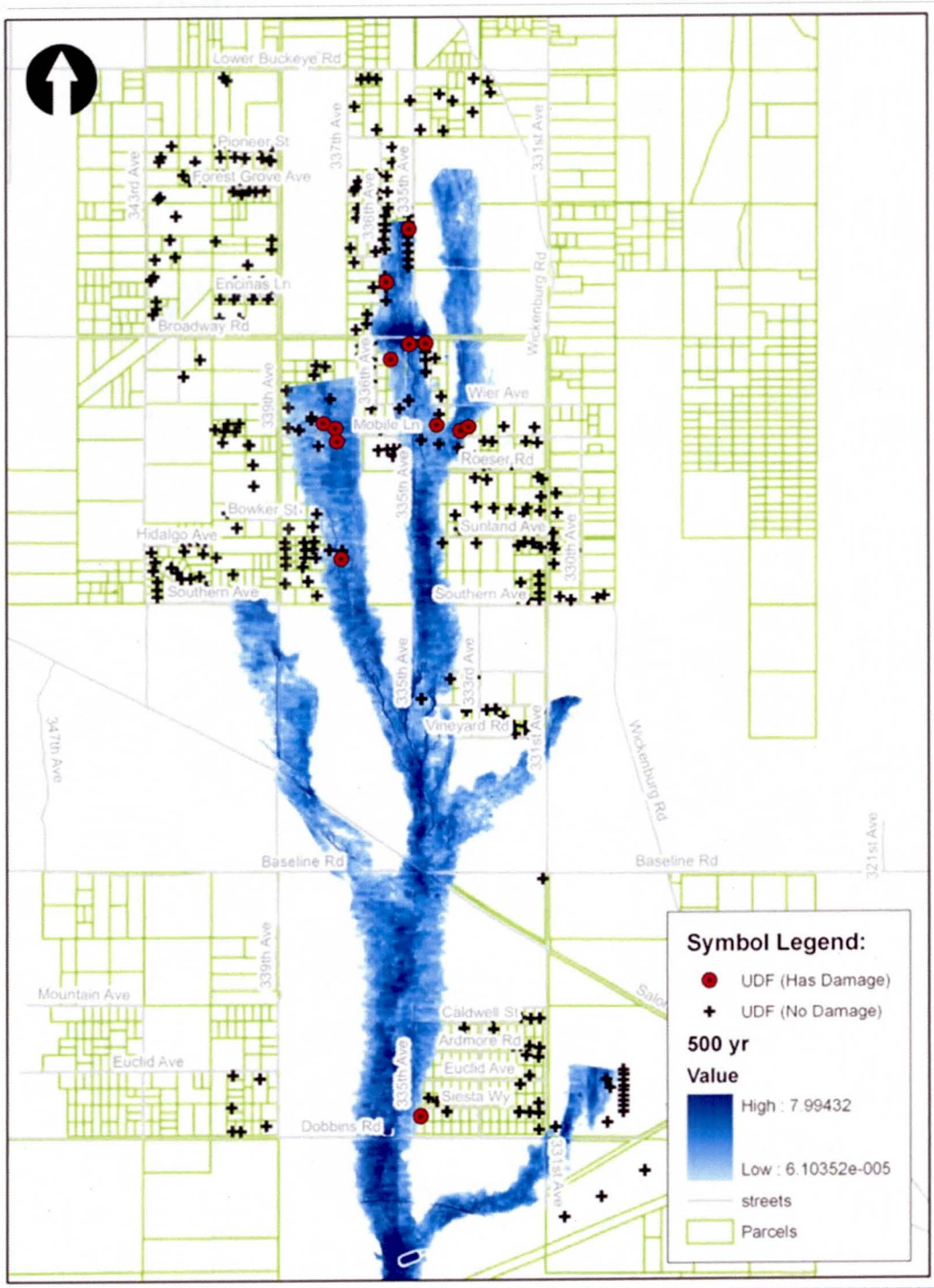


FIGURE 6.1 – LUKE WASH STUDY AREA

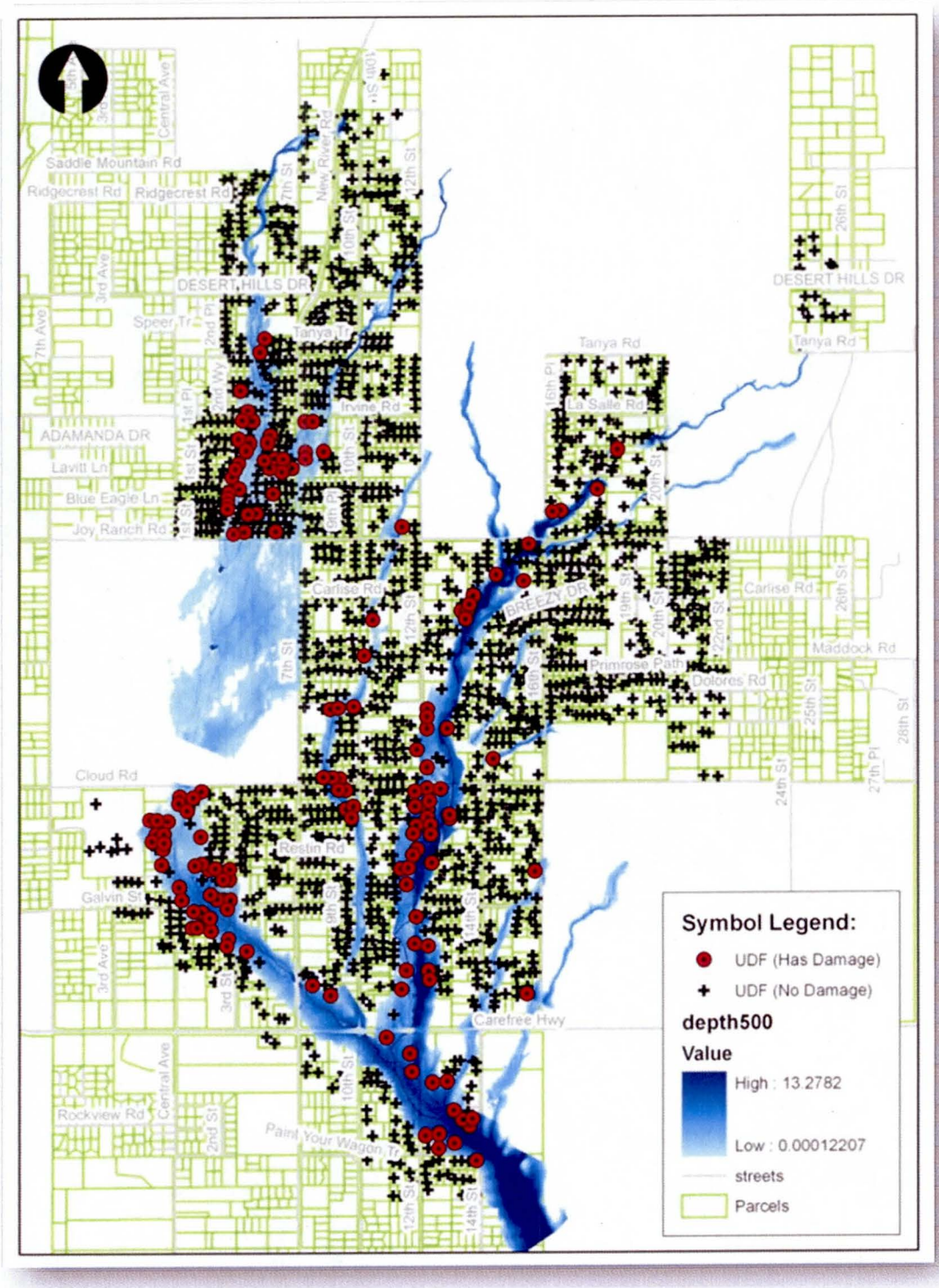


FIGURE 6.2 – DESERT HILLS STUDY AREA

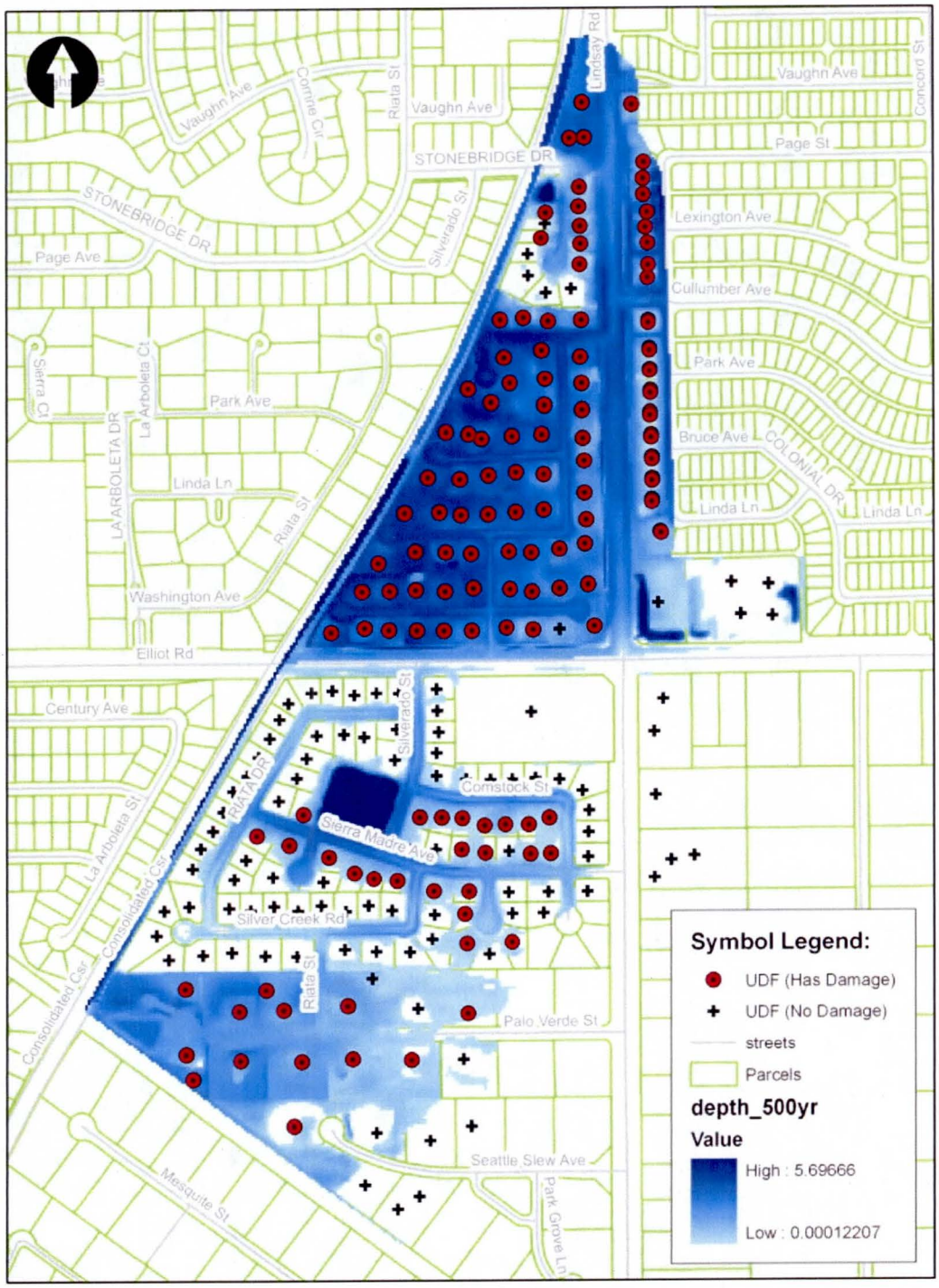


FIGURE 6.3 – PARK GROVE ESTATES STUDY AREA

6.3.1 Hazus Results – Run 1

The Hazus results from Run 1 are summarized in Table 6.1 below. Park Grove Estates did not have damage for recurrence intervals less than the 50-year event.

TABLE 6.1

HAZUS RESULTS – RUN 1

Study Area	5-year		100-year		500-year	
	No. of Structures Damaged	Total Damage Amount	No. of Structures Damaged	Total Damage Amount	No. of Structures Damaged	Total Damage Amount
Luke Wash	1	$14,272	9	$276,606	13	$268,599
Desert Hills	31	$2,100,187	101	$8,758,430	151	$14,588,553
Park Grove Estates	0	0	80	$7,382,283	135	$13,987,365

Run 1 was intended to analyze damages and losses sustained at the current conditions. The Hazus results show much greater losses for the Desert Hills and Park Grove Estates compared with Luke Wash. The majority of structures in the Luke Wash study area was built after the original FIS and would have been constructed to the existing drainage regulations for approximate floodplains. Significantly more structures were damaged by flooding in the Desert Hills and Park Grove Estates study areas.

6.3.2 Hazus Results – Run 2

The purpose of Hazus Run 2 was to show damages if there was no District regulation in place. Investigating the 100-year value resulted in 30 structures, roughly 9-percent of the total, damaged in Luke Wash. The Desert Hills watershed showed damage on 116 structures and the Park Grove Estates study area would have damage to 85 structures. The Hazus results from Run 2 are summarized in Table 6.2 below.

TABLE 6.2

HAZUS RESULTS RUN 2

Study Area	5-year		100-year		500-year	
	No. of Structures Damaged	Total Damage Amount	No. of Structures Damaged	Total Damage Amount	No. of Structures Damaged	Total Damage Amount
Luke Wash	9	$244,438	34	$1,254,404	38	$1,447,724
Desert Hills	45	$4,693,400	118	$13,120,194	173	$20,409,047
Park Grove Estates	0	$0	85	$9,871,645	140	$16,750,238

6.3.3 Hazus Results – Run 3

Hazus Run 3 was intended to examine damage if all structures were built to the existing District regulation, namely one-foot above the BFE. The results of that analysis show that 19-structures would be damaged in the Luke Wash study. The Desert Hills area would incur damage to 80 buildings and the Park Grove Estates study area showed damage to 56 structures. The Hazus results from Run 3 are summarized in Table 6.3 below.

TABLE 6.3

HAZUS RESULTS RUN 3

Study Area	100-year	
	No. of Structures Damaged	Total Damage Amount
Luke Wash	19	$189,403
Desert Hills	78	$1,653,787
Park Grove Estates	55	$1,135,326

Although the structures have been elevated to one-foot, Hazus has a 6-inch variance to the water surface, so there is damage in this analysis. The default damage table used in the calculation has damage at a depth grid of zero.

6.3.4 Hazus Results – Run 4

Hazus Run 4 was done to study the effects of increasing the current regulation by one foot, which would elevate structures two-feet above the BFE. The results are shown in Table 6.4.

TABLE 6.4

HAZUS RESULTS RUN 4

Study Area	100-year	
	No. of Structures Damaged	Total Damage Amount
Luke Wash	1	$21,147
Desert Hills	0	$0
Park Grove Estates	0	$0

This analysis showed that only one structure would be damaged out of all three study areas, which is located in Luke Wash.

6.4 HAZUS COMPARISONS

Hazus Run 1 shows the potential loss in the study areas for existing conditions. The damage calculated in that run is because of homes that were not built to District regulations. Hazus Run 3 was done to analyze the potential loss for the areas using the current District regulation. It is important to note that the Flood Insurance Agency damage table has eighteen percent damage when the depth grid is at the finished floor elevation. Hazus uses a six inch variance in its damage estimation, so the resulting analysis showed some damage for Run 3.

Comparing Run 2 to Run 3 shows that the current District regulations reduce potential flood damage from $38.61 million to $2.98 million. If the District were to increase the regulation to two feet above the BFE, they would virtually eliminate potential loss.

7.0 BENEFIT COST ANALYSIS

7.1 SELECTION CRITERIA

Dewberry selected eight structures for the BCA. The selection was based on the water surface, depth and probability grid compared to the FFE. Four structures with high probabilities of losses were selected from each Park Grove Estates and Desert Hills study areas. Dewberry determined there were no structures that would benefit from a BCA in the Luke Wash watershed. The structures located near the floodplains were elevated above the 100-year water-surface elevation, so a BCA would not be beneficial.

7.1.1 Park Grove Estates Structures

The structures located in the Park Grove Estates were selected based on flooding probability and depth grids near the structure. Three structures were located within the Park Grove Estates subdivision, with the fourth structure located on the southern portion of the study area. The three structures in Park Grove Estates had an approximate 45 percent probability of flooding during a typical 30-year mortgage. The probability was lower than anticipated because the updated HEC-1 models showed the large detention basin to the northeast of the subdivision would contain flows below the 50-year recurrence interval, which reduced the flooding probability. The depth grids for the three structures were over 1.7 feet during the 100-year event. The last structure in this study area, located along Palo Verde Road, had an FFE that was estimated based on field observations. Dewberry selected this structure because it had a 99 percent probability of flooding during the 10-year event. The data required for the BCA is presented in Appendix E.

7.1.2 Desert Hills Structures

Dewberry selected the structures located in Desert Hills based on the same criteria as Park Grove Estates. The main difference between the two project areas is that the flooding in Park Grove Estates results from water ponding behind the Consolidated Canal, while flooding in the Desert Hills area is caused by typical river floodplain inundation. The four structures selected in this area all had a high probability (over 95 percent) of flooding during a 30-year mortgage with water-surface elevations at 1-foot above the finished floor during a 100-year flood event. The BCA data is presented in Appendix E.

7.2 BCA SOFTWARE AND DATA REQUIREMENTS

The eight structures were analyzed using the latest version of the FEMA BCA Toolkit software (version 4.5.5, August 2009). Note that this software is free to the public and available for download from the BCA Helpline website (http://www.bchelpline.com/). The BCA software includes the following six modules than can be used to determine the

cost-effectiveness for various hazards and mitigation project types that can be submitted as part of a FEMA hazard mitigation grant application:

1. Flood
2. Hurricane Wind
3. Damage-Frequency Assessment
4. Tornado Safe Room
5. Earthquake
6. Wildfire

For this project, Dewberry selected the Flood module because it is best suited for residential acquisition projects. For flood acquisition projects, the BCA Flood module conducts an analysis based on detailed flood hazard data and building information for each structure input by the user. A list of the required BCA Flood module inputs for the various project structures is provided below:

- Building Information
  - Location (street address, city, county, state, zip)
  - FFE
  - Building Area (square footage)
  - Building Replacement Value ($/SF)
  - Contents Value
  - Building Type (number of stories)
  - Foundation Type (with or without basement)
- Flood Hazard Data
  - Flood elevations for the 10-, 50-, 100- and 500-year flood events
  - Streambed elevation
  - Flood discharges for the 10-, 50-, 100- and 500-year flood events

Based on this information, the Flood BCA module software computes the estimated annual probabilities of various flood depth events that could impact the individual structures before and after mitigation, and determines the annual project benefits for each structure based on a comparison of the before-mitigation and after-mitigation scenarios. After the software uses economic factors to convert the annual benefits to a present value benefit, the benefits are compared to the project costs to determine the benefit-cost ratio (BCR) for each structure. If the BCR is greater than or equal to 1.0, the benefits equal or exceed the costs and the project is considered cost-effective. If the BCR is less than 1.0, the benefits are less than the costs and the project is not considered cost-effective.

7.3 BCA RESULTS

Table 7.1 provides a summary of the BCA results for each of the eight structure acquisitions and the overall project (composite BCA).

TABLE 7.1

SUMMARY OF BCA RESULTS

Structure Parcel Number	Structure Address	City	Project Benefits	Project Cost	BCR
30423195	539 E. Palo Verde St.	Gilbert	$129,186	$259,427	**0.50**
30412725	677 E. Linda Lane	Gilbert	$31,660	$197,147	**0.16**
30412723	672 E. Linda Lane	Gilbert	$45,512	$210,947	**0.22**
30412703	691 E. Cullumber Ave.	Gilbert	$28,256	$218,627	**0.13**
21153070A	35814 N. Central Ave.	Phoenix	$746,374	$260,267	**2.87**
21153034A	118 E. Galvin St.	Phoenix	$126,126	$128,987	**0.98**
21153047B	225 E. Galvin St.	Phoenix	$1,173,654	$124,667	**9.41**
21153058D	85011 N. 3rd St.	Phoenix	$363,213	$108,587	**3.34**
Project Totals (Composite BCA)		Various	$2,643,981	$1,508,656	**1.75**

7.3.1 Individual Structure BCA Results

A review of the benefit-cost rations (BCRs) from Table 7.1 indicated that five of the eight individual property acquisitions – the four structures in Gilbert and one in Phoenix –were not cost-effective. The four structures in Gilbert were not cost effective because the FFEs of the structures were located near the BFE, which indicated a low risk of annual flood damage and yielded low project benefits. The one project in Phoenix was not quite cost effective because the FFE was above the 10-year flood elevation and the value of the structure was relatively low, which resulted in insufficient project benefits. By contrast, the structure FFEs for three individual property acquisitions in Phoenix that were deemed cost-effective were below the 10-year flood elevation, which in turn yielded high project benefits.

7.3.2 Overall Project (Composite BCA)

The overall project, or composite, BCA was determined by adding the total benefits for the individual structure BCAs and dividing them by the total project cost for all structures. A review of the composite BCR from Table 7.1 indicates that the overall project is cost-effective. However, a closer look at the detail reveals that the project is relying on two or three houses – particularly the property at 225 East Galvin - to "carry" the overall project. The address of this parcel is approximate because there was no address posted on the structure and the assessor lists the owners address as Nevada. Since residential acquisitions are voluntary, the overall project would not be cost-effective if the owners of the 225 East Galvin structure chose not to participate.

8.0 ADDITIONAL ASSUMPTIONS AND RECOMMENDATIONS

Performing loss and/or Risk Analysis, particularly in a model environment, inherently means that certain assumptions exist. Assumptions may include basic generalizations based on a grouping of known values (i.e., quantitative), or generalizations may also be assigned based on subjective (i.e., qualitative) observations. A few key assumptions used in this project are discussed in this section. Some of these assumptions applied to Hazus methodology and some were data specific, such as filling gaps in the available data.

8.1 HAZUS METHODOLOGY ASSUPTIONS

One of the most important assumptions in the Hazus software is the UDF methodology versus the Hazus General Building Stock methodology. The General Building Stock methodology includes aggregating collections of building data at census block geography. The UDF methodology recognizes that Hazus analyzes point locations. UDF analysis in the Hazus model uses locally-developed data designed to surpass the analysis quality that would otherwise be performed on aggregated groups of structures by Census Block area.

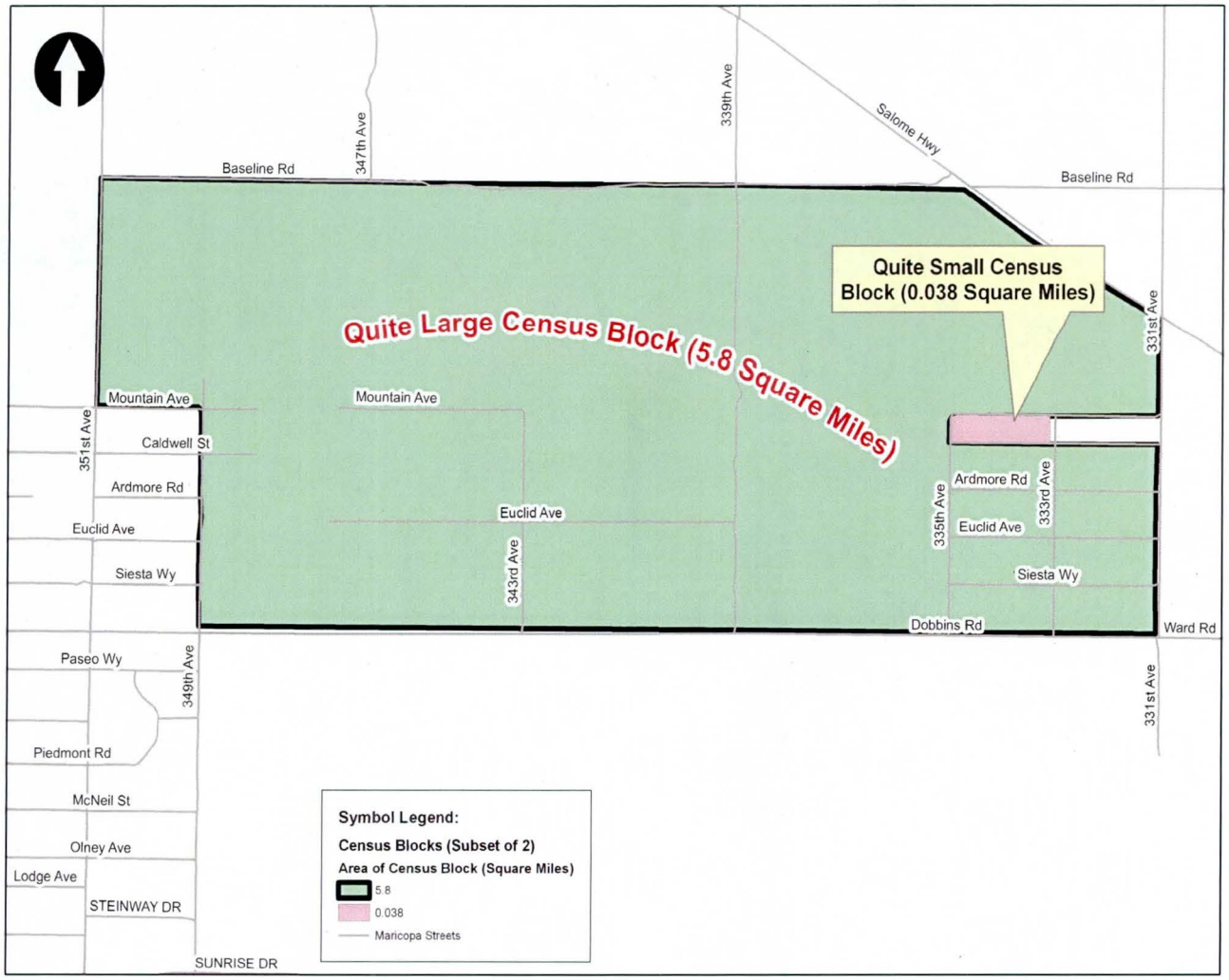
A Census Block is defined as:

"*...statistical areas bounded on all sides by visible features such as streets, roads, streams, and railroad tracks, and by invisible boundaries such as city, town, township, and county limits, and short imaginary extensions of streets and roads. Generally census blocks are small in area; for example, a block in a city bounded by streets. However, census blocks in remote areas may be large and irregular and contain hundreds of square miles*." U.S. Census Bureau (Reference 8).

There may be large differences in areas of Census Blocks. Figure 8.1 shows a portion of the Luke Wash study area having both an adjacent large and small Census Block.

In UDF analysis, the user provides the Hazus location of individual buildings along with the required specific attributes, such as foundation type or square footage of living space. In the Census Block methodology, the square footage of various types of structures is estimated along with the number of such structures by using the typical size per structure. Subsequent damage and losses are assigned by geospatial area-weighting analysis. The UDF analysis is performed on the point location of each respective building provided by the user and enables an analysis with a greater degree of detail and accuracy.

FIGURE 8.1
CENSUS BLOCKS



While the UDF analysis offers certain improvements over the General Building Stock (area-weighted analysis on aggregated data assigned to Census Blocks), there are other assumptions specific to the UDF analysis that should be understood.

The primary assumption of the UDF analysis includes analyzing buildings at a point location, where the point represents the entire building. Certain locations exist where the depth grid may intersect the building footprint, but not the point representing the building. In the UDF analysis, if a point representing a given building does not intersect the flooding depth grid, then that particular building would not receive any damage or loss. An example of this scenario is shown in Figure 8.2.

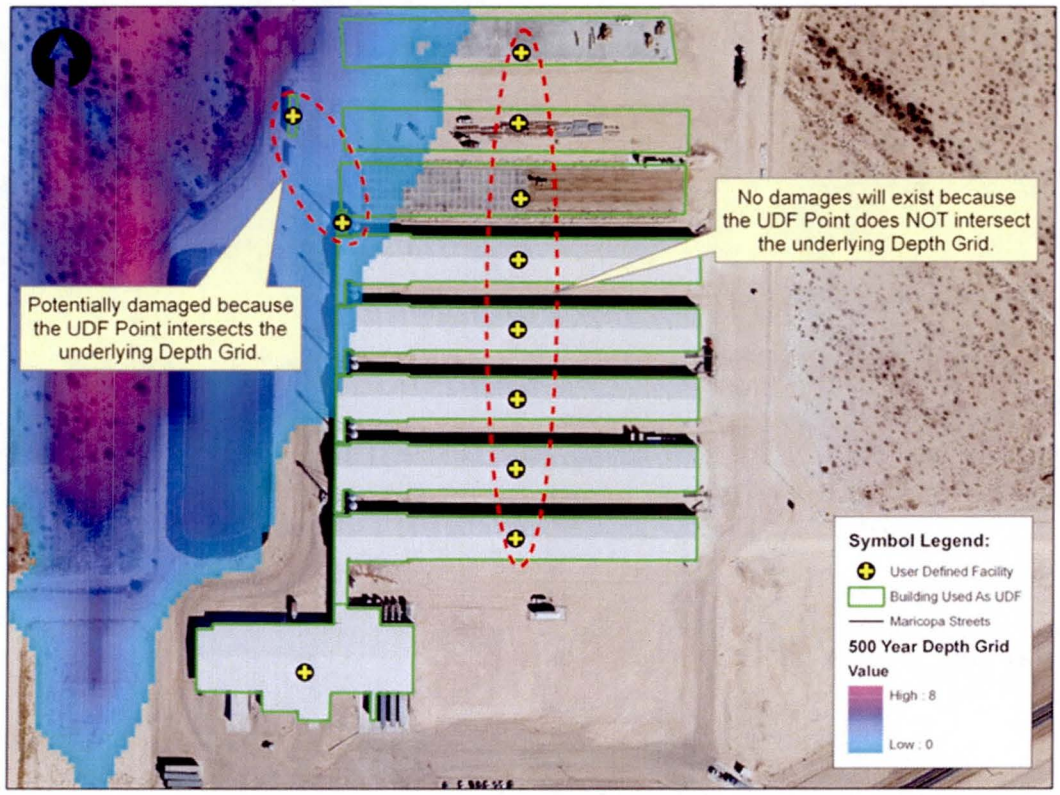


FIGURE 8.2

UDF POINT LOCATION

This scenario is rare, but raises the issue of moving the point to intersect the depth grid while still inside the building footprint, which seems to make a certain level of logical sense. However, the possibility of disrupting other assumptions does exist. For example, in most cases it is likely that the UDF points exist at the centroid (weighted center of the shape representing the building). This may not be the case with each point because it is advisable to place the points at the lowest entrance of the structure, where flood water would first enter and cause damage. If points are located in such a manner, it would not be advisable to move the location of the UDF point. Another potential bias that could be introduced is directly related to where the point is placed upon movement.

The issue then becomes whether the UDF point should be placed in the cell with the highest depth or the centroid of the building. It would be considered the most conservative approach if this task was performed. It should be noted that no points were moved for this project.

8.2 FIRST FLOOR HEIGHT ANALYSIS

In the Hazus calculations, the first floor height is a number representing the first floor relative to the ground as opposed to the height above sea level as indicated on an elevation certificate. It is a very important factor to the UDF analysis. The height of a structure above the ground determines the potential depth of water that may enter a structure. Elevation certificates were collected for all available structures and field observations were used where elevation certificates did not exist to establish the first floor height. The first floor height was estimated by analyzing the ground data at the building footprint. It is important to note that unless a survey point exists for the finished floor and a ground elevation exists directly below that point, there is no way of knowing an exact measure of first floor height.

Consequently, all other efforts are an attempt to estimate the FFE. The most conservative estimate uses the surveyed HAG elevation in relation to the surveyed FFE. This estimate was used for the first Hazus run. The next best estimation uses the difference between the surveyed FFE and the surveyed LAG. This was used in the first Hazus run where the HAG value was not included on the elevation certificate. These give the best estimates as to the FFE.

Many structures in the study areas did not have elevation certificates. The first floor height was estimated for these structures using two different processes. The first process entailed estimating the finished floor by field observation. The field crew estimated the FFE by comparing the front porch to the surrounding ground. The field observations were compared to the Hazus defaults found in Table 3.11 of the Hazus manual.

Table 3.11 Default Floor Heights Above Grade to Top of Finished Floor (Riverine)

ID	Foundation Type	Pre-FIRM	Post-FIRM
1	Pile	7 ft	8 ft
2	Pier (or post and beam)	5 ft	6 ft
3	Solid Wall	7 ft	8 ft
4	Basement (or Garden Level)	4ft	4 ft[1]
5	Crawlspace	3 ft	4 ft
6	Fill	2 ft	2 ft
7	Slab	1 ft	1 ft[1]

Source Data: Expert Opinion

Notes:

1 Typically not allowed, but may exist

The values in Table 3.11 are larger than what was observed in the field. Table 8.1 summarizes the field measurements for the three study areas.

TABLE 8.1
OVERALL AVERAGE FOR THE THREE STUDY AREAS

Foundation Type	Pile (1)	Pier (2)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
Pre-FIRM Measurements	2.3	2.5	3	2.3	1.7	0.8
Post-Firm Measurements	2.1	N/A	3	2.2	1.8	0.8
Overall Average	***2.1***	***2.5***	***3***	***2.2***	***1.4***	***0.9***
Finished Floor Estimate	***2***	***3***	***3***	***2***	***2***	***1***

Dewberry used these values for structures that did not have elevation certificates or undergo field observation on finished floor height, but when the foundation type was known. The field measurements specific to each area are presented in Appendix F.

The second process used to estimate the FFE was a terrain analysis. The terrain was evaluated by extracting values at the building footprint from the ground terrain. This process assumed the centroid of the structure would establish the first floor elevation and subtracting the LAG from that value would provide an estimated first floor height. The analysis is summarized by the foundation type in Table 8.2.

8.2.1 First Floor Height Analysis Comparative Results

Combining the results of both field observation and terrain analysis, we found that the terrain data yielded negative values in some cases. For instance, the Desert Hills – Slab has a value of -0.2 feet. This is a cause for concern as the field observation resulted in a value of 0.6 feet. Other values were also lower than the field observations and it appears that the following conclusions can be made:

1. The field observations appear to be more reliable - even though some of the Pre-FIRM observations were higher than the Post-FIRM observations.
2. If field observations were not collected for a structure, the terrain estimation of the FFE can be used. Most of the terrain estimations are approximately 1-foot lower than the field observations, so damages may be overestimated which would represent a more conservative approach.

TABLE 8.2
TERRAIN ANALYSIS

Foundation	Number of Structures	Minimum Value	Maximum Value	Average Value	Standard Deviation
Desert Hills Study Area					
1 (Pile)	11	-0.5	2.6		0.8
5 (Crawl)	129	-2.8	2.9	1.3	1.0
6 (Fill)	397	-5.9	4.9	0.6	1.3
7 (Slab)	873	-6.2	2.9	-0.2	0.8
Luke Wash Study Area					
1 (Pile)	15	0.3	2.5	1.4	0.7
4 (Basement)	2	1.6	2.6	2.1	0.7
5 (Crawl)	139	-0.4	3.8	1.9	0.8
6 (Fill)	45	-0.5	2.7	0.8	0.7
7 (Slab)	55	-0.9	2.0	0.4	0.5
Park Grove Estates Study Area					
2 (Post/Beam)	1	2.1	2.1	2.1	0.0
6 (Fill)	131	-1.0	3.7	0.2	0.6
7 (Slab)	69	-0.6	1.5	0.2	0.4

Table 8.3
FIELD OBSERVATIONS VS TERRAIN ANALYSIS

		Pile (1)	Pier (2)	Solid Wall (3)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
Desert Hills								
Field Data	Pre-FIRM	2.6	N/A	N/A	N/A	2.4	2.4	0.6
	Post-Firm	2.3	N/A	N/A	N/A	2.2	2	0.6
	All	2.4	N/A	N/A	N/A	2.2	2	1.2
Terrain Average Value		1.4				1.3	0.6	-0.2
Luke Wash								
Field Data	Pre-FIRM	2	N/A	N/A	3	2.3	1	1
	Post-Firm	1.8	N/A	N/A	3	2.3	1.5	0.9
	All	1.9	N/A	N/A	3	2.3	1.5	0.9
Terrain Average Value		1.4			2.1	1.9	0.8	0.4
Park Grove Estates								
Field Data	Pre-FIRM	N/A	2.5	N/A	N/A	N/A	N/A	0
	Post-Firm	N/A	N/A	N/A	N/A	N/A	0.6	0.5
	All	N/A	2.5	N/A	N/A	N/A	0.6	0.5
Terrain Average Value			2.1				0.2	0.2

8.2.2 First Floor Height Discrepancies

In all cases of the UDF development, the first floor height was estimated. The first Hazus run was intended to analyze existing conditions utilizing elevation certificates. This was assumed to be the best data, but the FFEs and adjacent grade (HAG or LAG) points are not located in the same location. The best estimation of finished floor height would be the first floor elevation and ground elevation measured from the same location. Figure 8.3 illustrates this issue.

The elevation certificate does not include the ground elevation where the first floor elevation was surveyed. We estimated the first floor height by subtracting the first floor elevation by the HAG to produce the most conservative results.

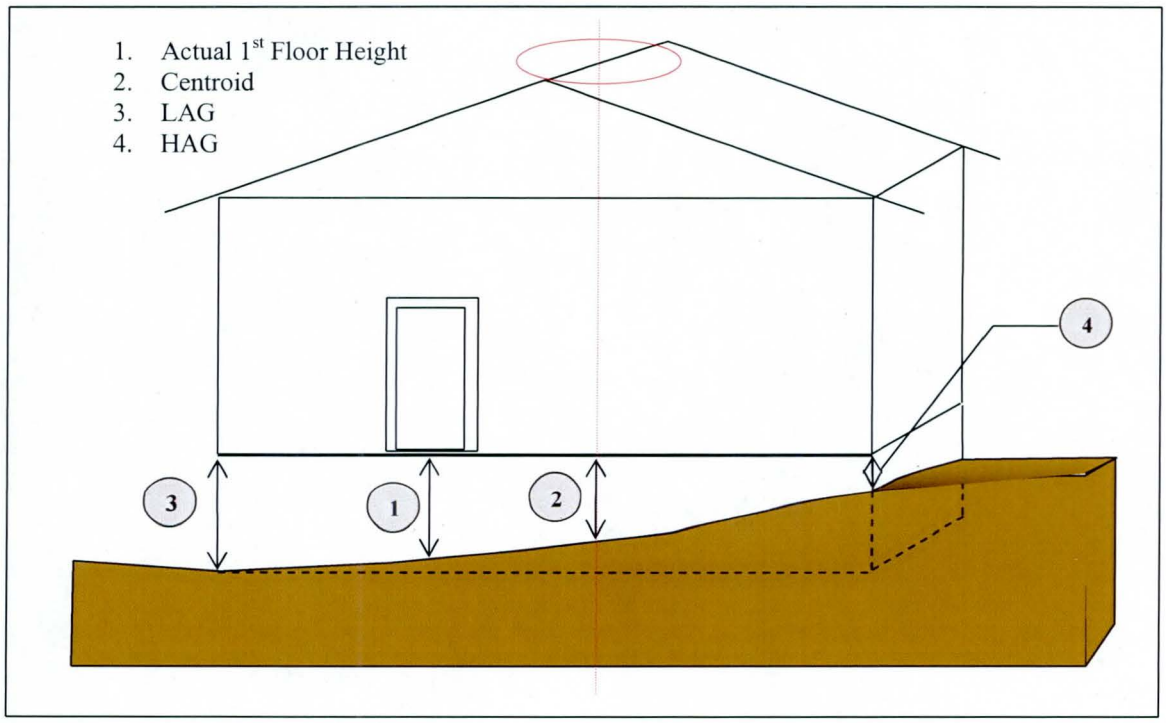


FIGURE 8.3

FIRST FLOOR HEIGHT DISCREPANCIES

The figure above clearly shows that an estimated first floor height based on HAG or LAG subtractions will likely not yield the same values as the actual, and utilizing the centroid as an alternative will also not produce the actual values. The first floor height analysis discussed in the previous section estimates a range of first floor height values that can be expected, provided there was no field observation or elevation certificate.

In some instances, field observation appeared to be the better option for establishing first floor height as opposed to the elevation certificate. In keeping with the scope of work, these measurements were not changed for any building having elevation certificate information.

8.3 RECOMMENDATIONS

The field data collection was valuable in developing the UDF points. This type of data collection should be done on all Hazus projects. The addition of District staff and a District building inspector resolved any issues with structure data entry. The first floor estimation made during the field data collection was important to this project. This information was used when there were no elevation certificates available. That is the main reason field collection should be done in a Hazus analysis. The data collected during the field trips was used constantly to develop the UDF points.

There were two schools located in the Desert Hills area and one school located in the Park Grove Estates area. An Essential Facility Hazus Run was not part of our analysis, but would be a good exercise for District staff. The results of that analysis can be attributed to the Hazus (hpr) files generated for this project. The Hazus general building stock run could also be executed to determine the differences in loss between the two models.

8.3.1 Desert Hills Study Area

The Desert Hills area is a combination of outdated HEC-1, HEC-2, and HEC-RAS models. As a result, the depth grids are not continuous and there are some structures that may have been missed. The depth grids were generated using the separate models, so the confluence between the streams was based on the existing models. That data is most likely out of date and should be updated. In addition, Dewberry created some cross-sections from the terrain generated for this project and compared them to the cross-sections from the existing hydraulic models. The existing models cross sections are very basic and do not truly represent actual conditions. The floodplain in this area should be updated using the hydrology developed in the Desert Hills ADMP and terrain developed in this project to create one continuous GeoRAS model.

The BCA results showed that three structures in Desert Hills would be cost-effective for property acquisition. The possibility of acquisition should be examined by the District.

8.3.2 Park Grove Estates Study Area

The Hazus and BCA results for this area were very interesting. There was a large amount of damage during a 100-year storm, but the BCA values showed that property acquisition wouldn't be beneficial. The main reason property acquisition wasn't beneficial for the structures were that the structures were not damaged during the 10-year event, which yields high project benefits.

The detention basin upstream of this study area could be studied to see how much excavation would be required to remove these structures from the 100-year floodplain. The maximum depth of flooding in this area is 0.4-feet with many structures FFE at the 100-year water surface. The upstream detention basin is a large park that seems could be easily increased in volume.

8.3.3 Luke Wash Study Area

The Hazus results from this area show the effectiveness of District Regulations. Many of these structures were built after the initial approximate floodplain delineation and this area did not have much damage during the existing condition Hazus run. This area consists of many individual homeowners with no subdivisions. There was no drainage master plan done for this area. As a result, 100-year access, which is a District requirement on development, to all residential structures could be an issue and should be examined further.

9.0 REFERENCES

1. Department of Homeland Security Federal Emergency Management Agency, *Hazus-MH MR5 Technical Manual,* January 2011.

2. Wood, Patel and Associates, Inc., *Hydrologic Study Report for Luke Wash Watershed ZONE AE Floodplain Delineation Study*, September 2008.

3. Arizona Department of Transportation, *Bridge Hydraulics Guidelines,* 2001.

4. JE Fuller Hydrology and Geomorphology, *Adobe Dam/Desert Hills Area Drainage Master Plan*, 2003.

5. Stanley Consultants, Inc., *Floodplain Delineation and Topographic Mapping for the Desert Hills Area, Final Report and Technical Data Notebook*, 2001.

6. David Evans and Associates, Inc., *Apache Wash Flood Insurance Study*, November 1993.

7. David Evans and Associates, Inc., *Chandler / Gilbert Floodplain Delineation Study – Phase 2 Consolidated Canal Watershed Technical Data Notebook,* November 2008.

8. *Census 2000 TIGER Line Files Technical Documentation,* U.S. Census Bureau-Washington, DC; 2000. Page 4-15.

APPENDIX A

HAZUS MANUAL TABLES

Table 14.1 Default Full Replacement Cost Models (Means, 2006)

HAZUS Occupancy Class Description		Sub-category	Means Model Description (Means Model Number)	Means Typ Size	Means Cost/SF (2006)
OCC Code	OCC Description	OCC sub-class			
RES1	Single Family Dwelling	See Table 14-2			
RES2	Manufactured Housing	Manufactured Housing	Manufactured Housing Institute, 2004 average sales price and size data for new manufactured home (latest data available)	1,625	$35.75
RES3A	Multi Family Dwelling – small	Duplex	SFR Avg 2 St., MF adj, 3000 SF	3,000	$79.48
RES3B		Triplex/Quads	SFR Avg 2 St., MF adj, 3000 SF	3,000	$86.60
RES3C	Multi Family Dwelling – medium	5-9 units	Apt, 1-3 st, 8,000 SF (M.010)	8,000	$154.31
RES3D		10-19 units	Apt., 1-3 st., 12,000 SF (M.010)	12,000	$137.67
RES3E	Multi Family Dwelling – large	20-49 units	Apt., 4-7 st., 40,000 SF (M.020)	40,000	$135.39
RES3F		50+ units	Apt., 4-7 st., 60,000 SF (M.020)	60,000	$131.93
RES4	Temp. Lodging	Hotel, medium	Hotel, 4-7 st., 135,000 SF (M.350)	135,000	$132.52
RES5	Institutional Dormitory	Dorm, medium	College Dorm, 2-3 st, 25,000 SF (M.130)	25,000	$150.96
RES6	Nursing Home	Nursing home	Nursing Home, 2 st., 25,000 SF (M.450)	25,000	$126.95
COM1	Retail Trade	Dept Store, 1 st	Store, Dept., 1 st., 110,000 SF (M.610)	110,000	$82.63
COM2	Wholesale Trade	Warehouse, medium	Warehouse, 30,000 SF (M.690)	30,000	$75.95
COM3	Personal and Repair Services	Garage, Repair	Garage, Repair, 10,000 SF (M.290)	10,000	$102.34
COM4	Prof./ Tech./Business Services	Office, medium	Office, 5-10 st., 80,000 SF (M.470)	80,000	$133.43
COM5	Banks	Bank	Bank, 1 st., 4100 SF (M.050)	4,100	$191.53
COM6	Hospital	Hospital, medium	Hospital, 2-3 st., 55,000 SF (M.330)	55,000	$224.29

Table 14.2 Default Full Replacement Cost Models (Means, 2006) (Continued)

HAZUS Occupancy Class Description		Sub-category	Means Model Description (Means Model Number)	Means Typ Size	Means Cost/SF (2006)
OCC Code	OCC Description	OCC sub-class			
COM7	Medical Office/Clinic	Med. Office, medium	Medical office, 2 st., 7,000 SF (M.410)	7,000	$164.18
COM8	Entertainment & Recreation	Restaurant	Restaurant, 1 st., 5,000 SF (M.530)	5,000	$170.51
COM9	Theaters	Movie Theatre	Movie Theatre, 12,000 SF (M.440)	12,000	$122.05
COM10	Parking	Parking garage	Garage, Pkg, 5 st., 145,000 SF (M.270)	145,000	$43.72
IND1	Heavy	Factory, small	Factory, 1 st., 30,000 SF (M.200)	30,000	$88.28
IND2	Light	Warehouse, medium	Warehouse, 30,000 SF (M.690)	30,000	$75.95
IND3	Food/Drugs/Chemicals	College Laboratory	College Lab, 1 st., 45,000 SF (M.150)	45,000	$145.07
IND4	Metals/Minerals Processing	College Laboratory	College Lab, 1 st., 45,000 SF (M.150)	45,000	$145.07
IND5	High Technology	College Laboratory	College Lab, 1 st., 45,000 SF (M.150)	45,000	$145.07
IND6	Construction	Warehouse, medium	Warehouse, 30,000 SF (M.690)	30,000	$75.95
AGR1	Agriculture	Warehouse, medium	Warehouse, 30,000 SF (M.690)	30,000	$75.95
REL1	Church	Church	Church, 1 st., 17,000 SF (M.090)	17,000	$138.57
GOV1	General Services	Town Hall, small	Town Hall, 1 st., 11,000 SF (M.670)	11,000	$107.28
GOV2	Emergency Response	Police Station	Police Station, 2 st., 11,000 SF (M.490)	11,000	$166.59
EDU1	Schools/Libraries	High School	School, High, 130,000 SF (M.570)	130,000	$115.31
EDU2	Colleges/Universities	College Classroom	College Class. 2-3 st, 50,000 SF (M.120)	50,000	$144.73

Table 14.3 Replacement Costs (and Basement Adjustment) for RES1 Structures by Means Constructions Class (Means, 2006)

Means Construction Class	Height Class	Average Base cost per square foot	Adjustment for Finished Basement (cost per SF of main str.)	Adjustment for Unfinished Basement (cost per SF of main str.)
Economy	1 story	$ 65.91	$ 19.30	$ 7.10
	2 story	$ 70.13	$ 11.10	$ 4.65
	3-story	N/A – use 2 st	N/A – use 2 st	N/A – use 2 st
	Split level	$ 64.46	$ 13.90	$ 5.50
Average	1 story	$ 92.84	$ 24.05	$ 8.45
	2 story	$ 90.15	$ 15.55	$ 5.45
	3-story	$ 94.49	$ 12.35	$ 4.25
	Split level	$ 84.96	$ 18.45	$ 6.50
Custom	1 story	$ 114.91	$ 39.55	$ 5.45
	2 story	$ 112.91	$ 22.90	$ 9.20
	3-story	$ 116.99	$ 16.80	$ 6.85
	Split level	$ 105.25	$ 28.55	$ 11.35
Luxury	1 story	$ 139.76	$ 43.75	$ 16.75
	2 story	$ 133.09	$ 25.75	$ 10.10
	3-story	$ 137.08	$ 19.00	$ 7.60
	Split level	$ 124.81	$ 31.90	$ 12.45

Note: Assumes main living area is 1800 square feet.

Table 14.5 Weights (percent) for Means Construction/Condition Models

Income	Weights (w) for:			
	c_{Lg}	c_{Cg}	c_{Aa}	c_{Ep}
$I_k < 0.5$	-	-	-	100
$0.5 \le I_k < 0.85$	-	-	25	75
$0.85 \le I_k < 1.25$	-	25	75	-
$1.25 \le I_k < 2.0$	-	100	-	-
$I_k \ge 2.0$	100	-	-	-

14.2.2 Contents Replacement Cost

Contents replacement value is estimated as a percent of structure replacement value. The NIBS Flood Module will utilize the same contents to structure value ratios as are employed in the HAZUS99 and HAZUS-MH Earthquake Module (Table 15.5 in the HAZUS99 Technical Manual), provided in Table 14.5.

Table 14.6 Default HAZUS Contents Value Percent of Structure Value

No.	Label	Occupancy Class	Contents Value (%)
		Residential	
1	RES1	Single Family Dwelling	50
2	RES2	Mobile Home	50
3	RES3	Multi Family Dwelling	50
4	RES4	Temporary Lodging	50
5	RES5	Institutional Dormitory	50
6	RES6	Nursing Home	50
		Commercial	
7	COM1	Retail Trade	100
8	COM2	Wholesale Trade	100
9	COM3	Personal and Repair Services	100
10	COM4	Professional/Technical/ Business Services	100
11	COM5	Banks	100
12	COM6	Hospital	150
13	COM7	Medical Office/Clinic	150
14	COM8	Entertainment & Recreation	100
15	COM9	Theaters	100
16	COM10	Parking	50
		Industrial	
17	IND1	Heavy	150
18	IND2	Light	150
19	IND3	Food/Drugs/Chemicals	150
20	IND4	Metals/Minerals Processing	150
21	IND5	High Technology	150
22	IND6	Construction	100

Table 14.6 Default HAZUS Contents Value Percent of Structure Value (Continued)

No.	Label	Occupancy Class	Contents Value (%)
		Agriculture	
23	AGR1	Agriculture	100
		Religion/Non/Profit	
24	REL1	Church/Membership Organization	100
		Government	
25	GOV1	General Services	100
26	GOV2	Emergency Response	150
		Education	
27	EDU1	Schools/Libraries	100
28	EDU2	Colleges/Universities	150

14.2.3 Default Values for Regional Cost Variation

All costs provided in the tables are average national costs. Within the HAZUS flood module, the national costs will be localized by application of a residential and non-residential Means location factor, provided with HAZUS-MH by state and county throughout the U.S.

14.2.4 Procedure for Updating Building Cost Estimates

All calculations associated with estimating building replacement values by occupancy for each census block have been performed, and complete data for any county within the U.S. are provided as default data within HAZUS. Users have the ability to modify replacement cost values for individual occupancy classes at the census block level. These costs may be edited directly within the table browsers of the HAZUS Flood Model.

14.2.5 Depreciated Building Replacement Cost

The depreciation models utilized in the HAZUS Flood Model are based on industry-standard depreciation methods presented in Means Square Foot Costs (R.S. Means, 2002). Within Means, two depreciation cost models are available; one for single family residential structures, and one for commercial/industrial/institutional structures.

14.2.5.1 Single Family Residential

Means (2002) includes three tabular depreciation models for residential structures, based on actual structure age and general condition (Good, Average, and Poor). These models are shown graphically in Figure 14.2.

The underlying assumption in the methodology used in the HAZUS Flood Model is that for any community, some combination of the full replacement cost models (economy, average, custom or luxury) and depreciation models (good, average, or poor) will best represent the true depreciated value. This basic premise was tested on more than 8000 homes in Grand Forks, North Dakota, more than 160,000 homes in Mecklenburg County, North Carolina, and more than 60,000 homes in Fort Collins in Colorado. Results indicated that good agreement with assessed

Attribute Fields in the Building Footprint layers pertinent to cost:

- **Construction_Class** – this field pertains to residential (RES1) structures only and is directly related to establishing the cost per square foot as in Table 14.3 of the Hazus Technical Manual.
- **Means06_Base_ID** – this field establishes a GIS relationship so that the stand alone GIS table of replacement values and per-unit adjustment ratio's can be associated with each combination of building type (see standalone GIS table called 'MR5_Default_Replacement').
- **Means_Typical_SF** – the typical Means 2006 square-footage.
- **SF_Greatr_Means** – the number of square feet for a given building that is greater than the typical size.
- **SF_Less_Means** – the number of square feet for a given building that is less than the typical size.
- **Cost_SF** – the published cost per square-foot as found in Tables 14.1 – 14.3 of the Hazus Technical Manual.
- **Base_Cost_Adjustmnt** – the amount of dollars that is either added or subtracted from the raw mathematical value ('Area' * 'Cost_SF').
- **Adjustd_BLDG_Cost** – the final amount used for 'Cost.'

APPENDIX B

PREVIOUS HYDROLOGY DATA

CHANDLER / GILBERT
FLOODPLAIN DELINEATION STUDY
PHASE 2
Consolidated Canal Watershed

CONTRACT FCD 2002C023

TECHNICAL DATA NOTEBOOK

Volume 1
(Sections 1, 2 & 3,
Appendix A, B, & C)

October 2008
Revised November 2008

Prepared for:

Federal Emergency Management Agency
Risk Studies Division
Federal Insurance Administration
500 C Street, SW Room 422
Washington, DC 20472

Submitted by:

David Evans and Associates, Inc.
2141 E. Highland Avenue, Suite 200
Phoenix, Arizona 85016
(602) 678-5151

In association with:
Project Engineering Consultants, Ltd
2310 W. Mission Lane, #4
Phoenix, Arizona 85021
(602) 906-1901

on behalf of:
Flood Control District of Maricopa County
2801 W. Durango Street
Phoenix, Arizona 85009
(602) 506-1501

CHANDLER / GILBERT
FLOODPLAIN DELINEATION STUDY

PHASE 2

Consolidated Canal Watershed

CONTRACT FCD 2002C023

TECHNICAL DATA NOTEBOOK

Volume 1

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October 2008
Revised November 2008

Prepared for:

Federal Emergency Management Agency
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500 C Street, SW Room 422
Washington, DC 20472

Registered Professional Engineer (Civil)
CERTIFICATE NO.
23969
FRANK EDWARD
BROWN
Date Signed 25 Nov 2008
ARIZONA, U.S.A.
Expires 03/31/2011

Submitted by:

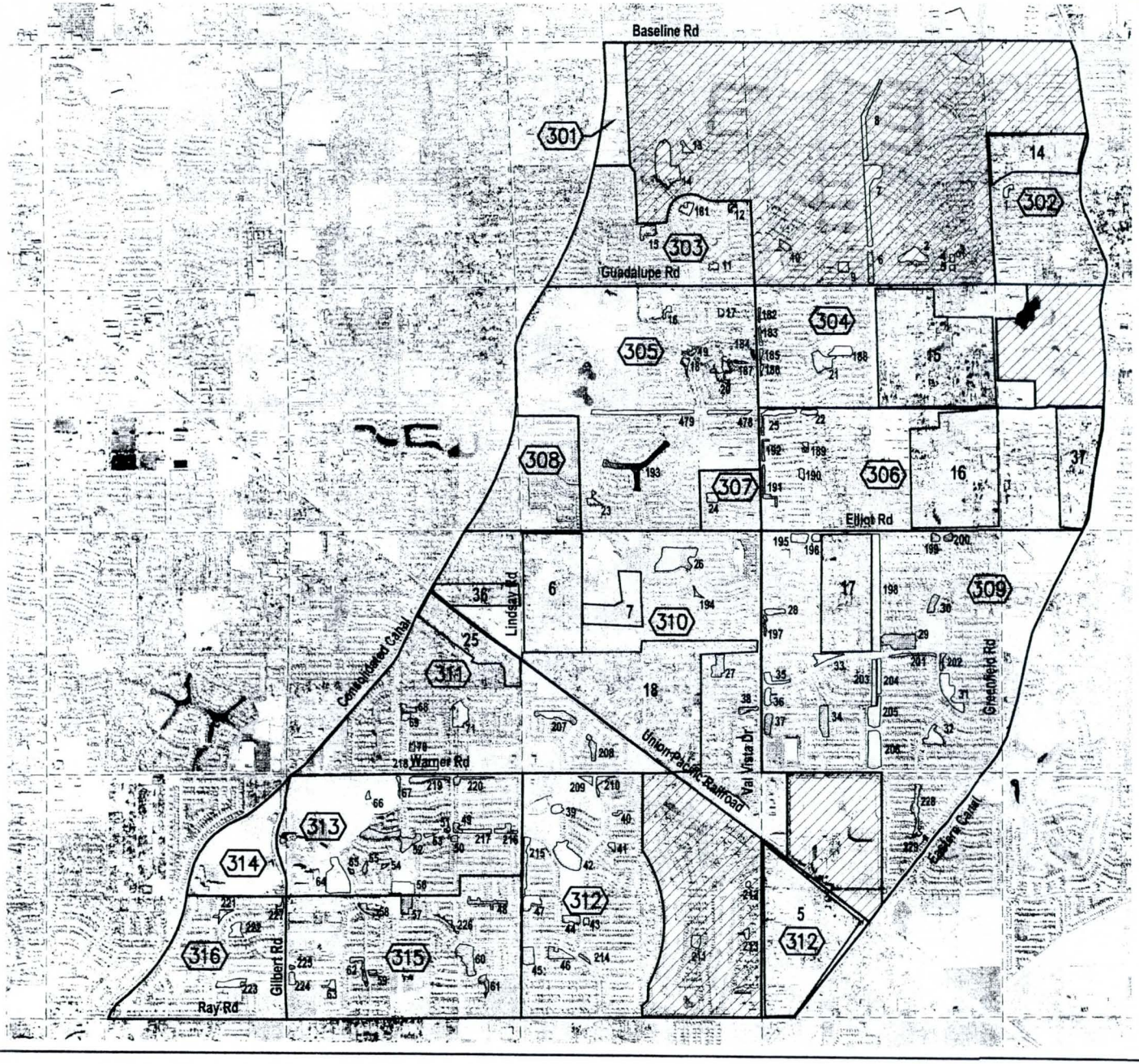
David Evans and Associates, Inc.
2141 E. Highland Avenue, Suite 200
Phoenix, Arizona 85016
(602) 678-5151

In association with:
Project Engineering Consultants, Ltd
2310 W. Mission Lane, #4
Phoenix, Arizona 85021
(602) 906-1901

on behalf of:
Flood Control District of Maricopa County
2801 W. Durango Street
Phoenix, Arizona 85009
(602) 506-1501

Expires On 3-31-10

Registered Professional Engineer (Civil)
CERTIFICATE NO.
25972
MICHAEL D.
HEATON
Date Signed 11-25-08
ARIZONA, U.S.A.



FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

CHANDLER/GILBERT FLOODPLAIN DELINEATION STUDY

PHASE 2 – NORTH
CONSOLIDATED CANAL WATERSHED
CONTRACT NO. 2002C023

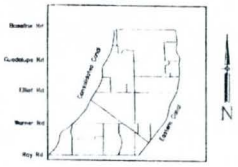
LEGEND

- 400 — SUB-BASIN DESIGNATION
- 14 — FLOOD IRRIGATED LOT AREA AND ID NUMBER
- 1 — RETENTION BASIN TOP AREA AND ID NUMBER
- SUB-BASIN BOUNDARY
- NON-CONTRIBUTING AREA
- SECTION LINES

NOTE: AERIAL PHOTOGRAPH CIRCA 2005, MAY NOT REPRESENT CURRENT CONDITIONS.

DAVID EVANS AND ASSOCIATES INC.
2141 East Highland Avenue, Suite 200
Phoenix, Arizona 85016
Phone: 602.678.5151

INDEX MAP



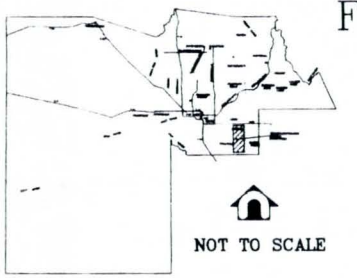
SCALE: 1" = 1000'

EXHIBIT DN.5
RETENTION BASIN AND FLOOD IRRIGATED LOT MAP

DESIGN	BY: JAM	DATE: 1/08	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK	MAM	1/08	RECOMMENDED BY:
PLANS	JAM	1/08	APPROVED BY:
PLANS CHK		1/08	CHIEF ENGINEER AND GENERAL MANAGER
SUBMITTED BY:		DATE	SHEET 1 OF 1

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
CHANDLER / GILBERT
FLOOD DELINEATION STUDY
PHASE 2, CONSOLIDATED CANAL WATERSHED

F.C.D. CONTRACT NO. 2002C023



NOT TO SCALE

LOCATION MAP

DATUM INFORMATION

VERTICAL DATUM: NAVD 88
HORIZONTAL DATUM: NAD 83 (1992.0 EPOCH)
COORDINATE SYSTEM: ARIZONA COORDINATE SYSTEM, 1983, CENTRAL ZONE
UNIT OF MEASUREMENT: INTERNATIONAL FEET

STATEMENT BY PROFESSIONAL REGISTRANTS

THE PHOTOGRAMMETRIC MAPPING CONTROL SURVEY WAS PREPARED UNDER MY DIRECT SUPERVISION:

CERTIFICATION

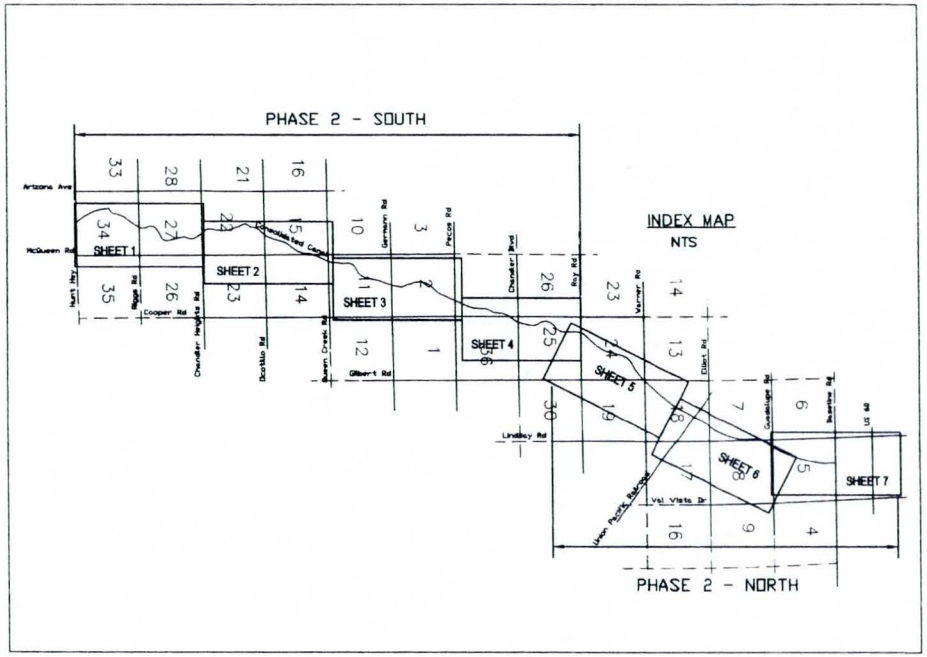
THE FOLLOWING MAP REPRESENTS A PHOTOGRAMMETRIC SURVEY MADE BY ME OR UNDER MY DIRECTION IN THE COUNTY OF MARICOPA, STATE OF ARIZONA. I, JAIME A. SATALICH, A STATE OF ARIZONA REGISTERED LAND SURVEYOR (NO. 35326, EXPIRES 9/30/2009), WITH MY SIGNATURE AND SEAL AFFIXED BELOW, HEREBY CERTIFY TO THE FLOOD CONTROL DISTRICT OF MARICOPA COUNTY, ARIZONA, THAT THE INFORMATION SHOWN HEREON COMPLIES WITH THE NATIONAL STANDARD FOR SPATIAL DATA ACCURACY. COMPILED ±1.0' HORIZONTAL ACCURACY AT THE 95% CONFIDENCE LEVEL. COMPILED ±1.25' VERTICAL ACCURACY AT THE 95% CONFIDENCE LEVEL.

"CERTIFICATION" WHEN USED IN THE CONTEXT OF THIS DOCUMENT ONLY CONSTITUTES AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THOSE FACTS OR FINDINGS WHICH ARE THE SUBJECT OF THE CERTIFICATION, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EITHER EXPRESSED OR IMPLIED. NO NEW PROPERTY LINES OR PARCELS WERE CREATED AS A RESULT OF THIS SURVEY.

THE FOLLOWING STATEMENTS APPLY TO THE INDIVIDUAL SEALS AFFIXED TO THE MAPS FOLLOWING THIS COVER SHEET.

THE FLOODPLAIN DELINEATION FOR PHASE 2-SOUTH WAS PREPARED UNDER MY DIRECT SUPERVISION:

THE FLOODPLAIN DELINEATION FOR PHASE 2-NORTH WAS PREPARED UNDER MY DIRECT SUPERVISION:



SHEET INDEX

NOT TO SCALE

LEGEND

SECTION LINES

SECTION NUMBER 36

PHOTOGRAMMETRIC MAPPING

STEWART GEO TECHNOLOGIES, INC.
5730 NW PARKWAY, SUITE 500.
SAN ANTONIO, TEXAS 78249 (210) 777-2600
DATE OF PHOTOGRAPHY: 4/12/03
CONTOUR INTERVAL: 2 FEET
MAPPING SCALE: 1"=400'

PHOTOGRAMMETRIC MAPPING CONTROL

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVENUE, STE 200
PHOENIX, AZ 85016 (602) 678-5151

ADDITIONAL SURVEY

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016 (602) 678-5151

HYDROLOGY

DAVID EVANS AND ASSOCIATES, INC.
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PHOENIX, AZ 85016 (602) 678-5151

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, #4
PHOENIX, AZ 85021 (602) 906-1901

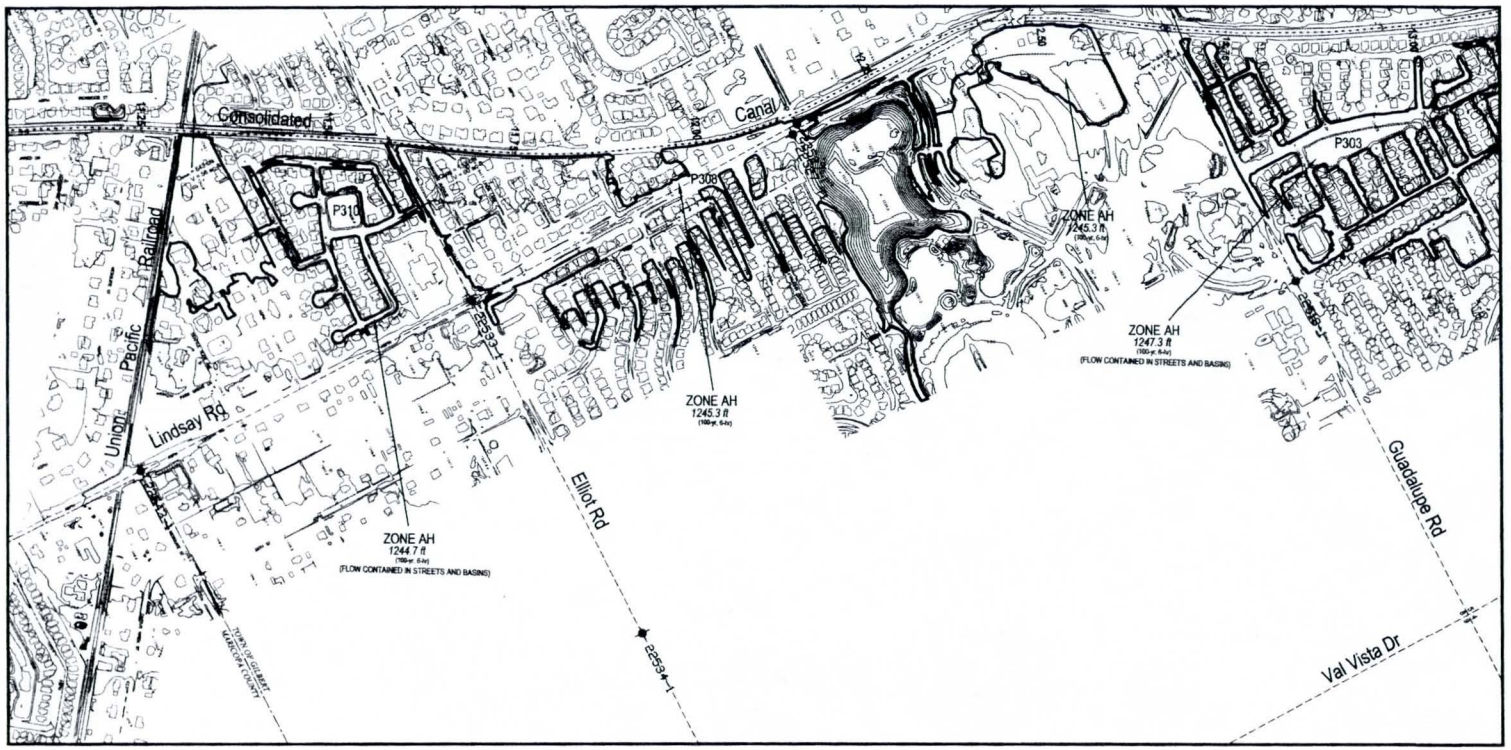
HYDRAULICS

DAVID EVANS AND ASSOCIATES, INC.
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016 (602) 678-5151

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, #4
PHOENIX, AZ 85021 (602) 906-1901

DAVID EVANS AND ASSOCIATES, INC
2141 E. HIGHLAND AVE, STE 200
PHOENIX, AZ 85016

	BY	DATE	
DESIGN	TJN	12/06	FLOOD CONTROL DISTRICT OF MARICOPA COUNTY
DESIGN CHK.	TSG	12/06	
PLANS	LFS/FEB	10/07	
PLANS CHK.	FEB	10/07	
SUBMITTED BY:		DATE	SHEET 1 OF 1

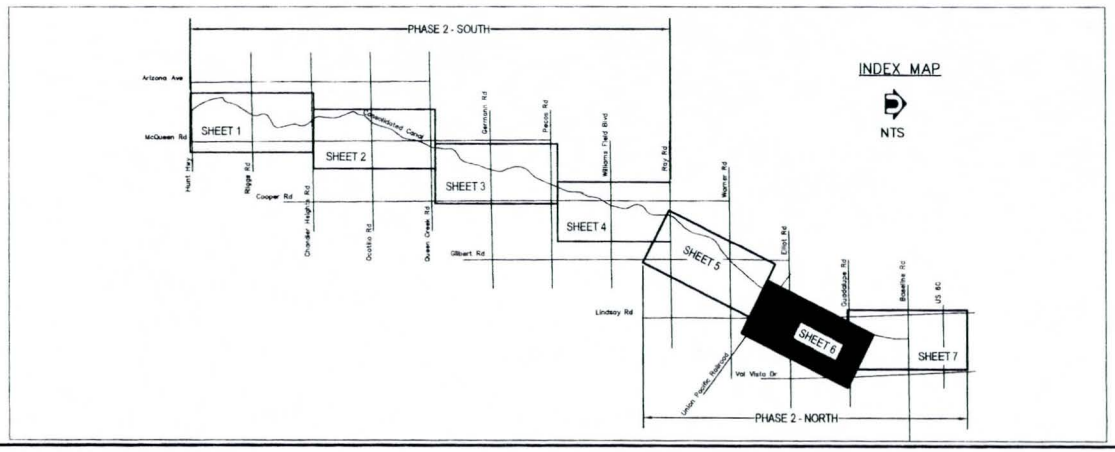


Topographic Mapping Data:
Stewart Geo Technologies, Inc.
Flight Date: 4/12/03
Flown for 2-ft contour interval
at Scale 1" = 200'

CONSOLIDATED CANAL

Control Datums: GPS - NGS
Horizontal - Maricopa County GDACS (NAD 83)
Vertical - Maricopa County GDACS (NAVD 88)
Conversion Factor: NGVD29 = NAVD88 - 1.72'

Note: The Hydraulic Baseline is measured from the centerline of Consolidated Canal.



FLOOD CONTROL DISTRICT
OF MARICOPA COUNTY

CHANDLER/GILBERT
FLOODPLAIN DELINEATION STUDY
PHASE 2 – NORTH
CONSOLIDATED CANAL WATERSHED

CONTRACT FCD 2002C023

LEGEND

- 100-YR FLOODPLAIN BOUNDARY
- 2.00 HYDRAULIC BASE LINE WITH RIVER MILE
- CROSS SECTION
- SPOT ELEVATION
- 1280 BASE FLOOD ELEVATIONS
- ZONE AE ZONE DESIGNATIONS
- 20562-1M ERM LOCATION
- SECTION LINES AND SECTION LABELS
- CITY OF CHANDLER / MARICOPA COUNTY JURISDICTIONAL BOUNDARY

SCALE: 1" = 400'
2 ft contour interval

ELEVATION REFERENCE MARKS

LABEL	NORTHING	EASTING	ELEV.	DESCRIPTION
22518-1	860237.86	746384.45	1249.32	FD 3" MCHD BC IN HH 0.43' DN NO STAMPING
22527-1	857567.88	743803.62	1245.07	FD 3" MCHD BC 0.4' DN NO STAMPING
22527-T1	857507.79	743855.71	1246.54	POWER POLE FD 3" GILBERT BC IN HH 0.8' DN NO STAMPING NOTE: IN MEDIAN OF VALVERDE RD AND 58FT +/- NORTH OF POWER LINES
22533-1	854931.75	743865.29	1245.69	FD 3" MCHD BC IN HH 0.4' DN STAMPED "STA 50+99.36 1244.54"
22534-1	854951.85	746511.25	1250.42	FD 3" GILBERT BC IN HH 0.45' DN NO STAMPING
22543-1	852291.43	743883.78	1250.50	FD 3" GILBERT BC IN HH 0.45' DN NO STAMPING

DATE	REVISION	BY

EXPIRES 3-31-10
MARTIN MICHAEL D. HEATON
3-31-08

PROJECT ENGINEERING CONSULTANTS, LTD.
2310 W. MISSION LANE, STE. 4
PHOENIX, ARIZONA 85021

EXHIBIT F
FLOODPLAIN DELINEATION WORK MAP

	BY	DATE
DESIGN	XY	11/08
DESIGN CHK	MDH	11/08
PLANS	GSB	11/08
PLANS CHK	MDH	11/08

SUBMITTED BY: DATE

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

RECOMMENDED BY: DATE
APPROVED BY: DATE
CHIEF ENGINEER AND GENERAL MANAGER

SHEET 6 OF 7

Flood Control District of Maricopa County
MARI0040_SE6HR - Chandler/Gilbert Floodplain Deliniation Study
Rainfall Data

Primary Zone Number: **7** Latitude: **0.0** Elevation: **0**

Short Duration Zone Number: **8** Longitude: **0.0**

	Point Values (in)					
Duration	2-Yr	5-Yr	10-Yr	25-Yr	50-Yr	100-Yr
5 MIN	0.29	0.40	0.48	0.58	0.66	0.74
10 MIN	0.44	0.61	0.73	0.89	1.01	1.13
15 MIN	0.54	0.77	0.92	1.13	1.29	1.45
30 MIN	0.71	1.03	1.24	1.53	1.75	1.97
1 HOUR	0.87	1.27	1.54	1.90	2.18	2.46
2 HOUR	0.95	1.37	1.66	2.05	2.35	2.65
3 HOUR	1.00	1.44	1.74	2.14	2.46	2.77
6 HOUR	1.10	1.58	1.89	2.33	2.67	3.00
12 HOUR	1.20	1.71	2.04	2.51	2.87	3.22
24 HOUR	1.30	1.84	2.20	2.69	3.07	3.45

Sub Basin Data

Basin: 01 Storms: Single Duration: 6 Hour Loss Method: Green-Ampt* Unit Hydrograph: Clark

	Sub Basin Parameters						Rainfall Losses						Return Period (Years)					
Sub Basin ID	Area (sq mi)	Length (mi)	Slope (ft/mi)	Adj Slope	Time-Area	Kb	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)		2	5	10	25	50	100
102	0.29	1.05	14.0	14.0	Urban	0.029	0.22	0.16	9.70	0.06	28	**Tc (hrs)**	1.50	0.98	0.86	0.75	0.70	0.66
												Vel (f/s)	1.02	1.57	1.78	2.04	2.19	2.32
												R (hrs)	1.22	0.76	0.66	0.57	0.53	0.49
103	0.71	1.42	18.3	18.3	Urban	0.025	0.26	0.25	4.70	0.35	23	**Tc (hrs)**	1.50	1.50	1.31	1.00	0.85	0.75
												Vel (f/s)	1.39	1.39	1.59	2.09	2.45	2.76
												R (hrs)	0.93	0.93	0.80	0.59	0.50	0.43
104	0.98	1.67	18.2	18.2	Urban	0.032	0.32	0.23	6.20	0.21	19	**Tc (hrs)**	1.50	1.50	1.50	1.23	1.06	0.95
												Vel (f/s)	1.63	1.63	1.63	1.99	2.30	2.58
												R (hrs)	0.88	0.88	0.88	0.71	0.60	0.53
105	0.28	1.07	12.2	12.2	Urban	0.027	0.28	0.15	7.60	0.10	16	**Tc (hrs)**	1.50	1.15	1.50	0.80	0.74	0.69
												Vel (f/s)	1.05	1.37	1.01	1.95	2.13	2.27
												R (hrs)	1.26	0.94	1.31	0.63	0.57	0.53
106	0.43	1.39	20.9	20.9	Urban	0.028	0.26	0.26	5.20	0.28	21	**Tc (hrs)**	1.50	1.50	1.28	0.97	0.83	0.75
												Vel (f/s)	1.36	1.36	1.60	2.10	2.45	2.73
												R (hrs)	1.23	1.23	1.02	0.76	0.64	0.56
107	0.49	1.43	16.5	16.5	Urban	0.026	0.27	0.15	9.70	0.05	18	**Tc (hrs)**	1.50	1.06	0.92	0.80	0.74	0.70
												Vel (f/s)	1.40	1.97	2.28	2.61	2.83	3.00
												R (hrs)	1.16	0.79	0.67	0.58	0.53	0.50
108	0.13	0.78	15.5	15.5	Urban	0.028	0.30	0.10	11.20	0.02	6	**Tc (hrs)**	0.97	0.72	0.65	0.59	0.55	0.52
												Vel (f/s)	1.18	1.60	1.75	1.95	2.08	2.20
												R (hrs)	0.92	0.66	0.60	0.53	0.49	0.46
109	0.71	1.45	20.1	20.1	Natural	0.043	0.50	0.21	6.40	0.23		**Tc (hrs)**	1.00	0.08	1.50	1.50	1.42	1.18
												Vel (f/s)	2.13	25.62	1.42	1.42	1.50	1.81
												R (hrs)	0.60	0.04	0.95	0.95	0.89	0.72
110	0.49	1.43	12.0	12.0	Urban	0.026	0.24	0.10	11.20	0.03	29	**Tc (hrs)**	1.47	1.10	0.98	0.88	0.81	0.77
												Vel (f/s)	1.43	1.91	2.13	2.40	2.58	2.73

* Non default value

Sub Basin Data

Basin: 01 | Storms: Single | Duration: 6 Hour | Loss Method: Green-Ampt | Unit Hydrograph: Clark

	Sub Basin Parameters						Rainfall Losses						Return Period (Years)					
Sub Basin ID	Area (sq mi)	Length (mi)	Slope (ft/mi)	Adj Slope	Time-Area	Kb	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)		2	5	10	25	50	100
												R (hrs)	1.14	0.83	0.73	0.64	0.59	0.55
111	0.29	1.01	10.2	10.2	Urban	0.026	0.25	0.15	9.70	0.06	30	**Tc (hrs)**	1.46	1.01	0.88	0.78	0.72	0.68
												Vel (f/s)	1.02	1.46	1.68	1.91	2.05	2.18
												R (hrs)	1.15	0.76	0.66	0.57	0.52	0.49
112	1.28	1.72	15.5	15.5	Natural	0.040	0.50	0.13	10.10	0.05		**Tc (hrs)**	0.08	1.50	1.50	1.50	1.20	1.10
												Vel (f/s)	30.39	1.68	1.68	1.66	2.11	2.30
												R (hrs)	0.03	0.78	0.78	0.79	0.61	0.55
113	0.99	1.95	8.6	8.6	Natural	0.040	0.45	0.06	12.40	0.02	1	**Tc (hrs)**	1.50	1.50	1.50	1.50	1.50	1.42
												Vel (f/s)	1.91	1.91	1.91	1.91	1.91	2.02
												R (hrs)	1.00	1.00	1.00	1.00	1.00	0.94
114	0.39	1.40	8.2	8.2	Urban	0.037	0.38	0.10	11.20	0.03	3	**Tc (hrs)**	1.50	1.50	1.50	1.50	1.20	1.13
												Vel (f/s)	1.37	1.37	1.37	1.35	1.71	1.83
												R (hrs)	1.31	1.31	1.31	1.33	1.02	0.95
115	0.47	1.24	8.8	8.8	Urban	0.040	0.37	0.04	12.40	0.02	10	**Tc (hrs)**	1.50	1.50	1.35	1.18	1.10	1.04
												Vel (f/s)	1.21	1.21	1.35	1.54	1.65	1.75
												R (hrs)	1.06	1.06	0.95	0.82	0.76	0.71
116	0.60	1.65	12.9	12.9	Urban	0.042	0.43	0.15	9.70	0.07	7	**Tc (hrs)**	0.08	1.50	1.50	1.50	1.33	1.20
												Vel (f/s)	29.16	1.61	1.61	1.61	1.83	2.01
												R (hrs)	0.05	1.16	1.16	1.16	1.01	0.91
117	0.48	1.46	10.3	10.3	Natural	0.046	0.50	0.05	12.40	0.02		**Tc (hrs)**	1.50	1.50	1.50	1.41	1.28	1.20
												Vel (f/s)	1.43	1.43	1.43	1.52	1.67	1.79
												R (hrs)	1.19	1.19	1.19	1.11	1.00	0.93
118	0.90	2.22	10.0	10.0	Urban	0.030	0.29	0.08	11.20	0.03	19	**Tc (hrs)**	1.50	1.50	1.50	1.37	1.26	1.19
												Vel (f/s)	2.17	2.17	2.17	2.37	2.58	2.74
												R (hrs)	1.17	1.17	1.17	1.06	0.96	0.90

* Non default value

Sub Basin Data

Basin: 01 Storms: Single Duration: 6 Hour Loss Method: Green-Ampt Unit Hydrograph: Clark

	Sub Basin Parameters						Rainfall Losses						Return Period (Years)					
Sub Basin ID	Area (sq mi)	Length (mi)	Slope (ft/mi)	Adj Slope	Time-Area	Kb	IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)		2	5	10	25	50	100
119	0.49	1.58	13.1	13.1	Natural	0.039	0.39	0.05	12.40	0.02	13	**Tc (hrs)**	1.50	1.50	1.33	1.17	1.08	1.02
												Vel (f/s)	1.54	1.54	1.74	1.99	2.14	2.27
												R (hrs)	1.26	1.26	1.10	0.95	0.88	0.82
120	0.41	1.33	10.7	10.7	Natural	0.043	0.42	0.11	11.20	0.03	4	**Tc (hrs)**	1.50	1.50	1.50	1.28	1.16	1.09
												Vel (f/s)	1.30	1.30	1.30	1.53	1.68	1.79
												R (hrs)	1.21	1.21	1.21	1.01	0.91	0.85
121	0.67	1.16	15.3	15.3	Natural	0.042	0.45	0.13	10.10	0.05	5	**Tc (hrs)**	1.50	1.50	1.26	1.03	0.94	0.88
												Vel (f/s)	1.13	1.13	1.35	1.65	1.81	1.94
												R (hrs)	0.82	0.82	0.68	0.54	0.49	0.45
122	1.07	1.87	9.6	9.6	Urban	0.036	0.38	0.15	7.30	0.15	14	**Tc (hrs)**	1.50	1.50	1.50	1.50	1.50	1.40
												Vel (f/s)	1.83	1.83	1.83	1.83	1.83	1.96
												R (hrs)	0.92	0.92	0.92	0.92	0.92	0.86
123	0.96	1.63	9.7	9.7	Natural	0.041	0.46	0.15	7.30	0.16	4	**Tc (hrs)**	1.00	1.50	1.50	1.50	1.50	1.48
												Vel (f/s)	2.39	1.59	1.59	1.59	1.59	1.61
												R (hrs)	0.56	0.88	0.88	0.88	0.88	0.87
124	0.66	1.32	13.7	13.7	Natural	0.044	0.49	0.25	4.80	0.45	2	**Tc (hrs)**	1.00	1.00	0.08	1.50	1.50	1.50
												Vel (f/s)	1.94	1.94	23.33	1.29	1.29	1.29
												R (hrs)	0.59	0.59	0.04	0.92	0.92	0.92

Sub Basin Data

12/16/2005

Basin: 01 | Storms: Single | Duration: 6 Hour | Loss Method: Green/Ampt | Unit Hydrograph: Clark

Sub Basin ID	Sub Basin Parameters: Area (sq mi)	Length (mi)	Slope (ft/mi)	Adj Slope	Time-Area	Kb	Rainfall Losses: IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)		Return Period (Years): 2	5	10	25	50	100
301	0.05	0.54	12.8	12.8	Urban	0.033	0.25	0.18	9.70	0.05	11	**Tc (hrs)**	1.10	0.72	0.63	0.56	0.52	0.49
												Vel (f/s)	0.72	1.10	1.25	1.41	1.52	1.61
												R (hrs)	1.42	0.88	0.77	0.67	0.62	0.58
302	0.25	0.99	5.9	5.9	Urban	0.030	0.24	0.15	7.00	0.14	34	**Tc (hrs)**	1.50	1.45	1.23	1.05	0.95	0.89
												Vel (f/s)	0.97	1.00	1.18	1.39	1.52	1.64
												R (hrs)	1.27	1.22	1.02	0.85	0.77	0.71
303	0.29	1.04	11.7	11.7	Urban	0.027	0.24	0.15	7.60	0.11	31	**Tc (hrs)**	1.47	1.01	0.87	0.75	0.70	0.66
												Vel (f/s)	1.04	1.51	1.76	2.03	2.19	2.32
												R (hrs)	1.19	0.79	0.66	0.56	0.52	0.49
304	0.53	1.36	12.7	12.7	Urban	0.028	0.26	0.15	8.80	0.07	27	**Tc (hrs)**	1.50	1.50	1.00	0.88	0.80	0.75
												Vel (f/s)	1.33	1.30	1.99	2.28	2.48	2.66
												R (hrs)	1.07	1.09	0.68	0.59	0.53	0.49
305	0.83	1.51	11.7	11.7	Urban	0.026	0.21	0.16	7.30	0.13	28	**Tc (hrs)**	1.50	1.33	1.13	0.95	0.87	0.81
												Vel (f/s)	1.48	1.67	1.97	2.32	2.54	2.74
												R (hrs)	0.90	0.79	0.65	0.55	0.49	0.45
306	0.69	1.76	11.0	11.0	Urban	0.026	0.27	0.15	9.70	0.06	21	**Tc (hrs)**	1.50	1.45	1.23	1.05	0.96	0.90
												Vel (f/s)	1.72	1.79	2.11	2.46	2.69	2.88
												R (hrs)	1.13	1.08	0.90	0.76	0.69	0.64
307	0.07	0.46	2.8	2.8	Urban	0.031	0.23	0.15	9.70	0.06	34	**Tc (hrs)**	1.50	1.09	0.95	0.84	0.78	0.73
												Vel (f/s)	0.45	0.62	0.71	0.81	0.87	0.93
												R (hrs)	1.48	1.04	0.90	0.78	0.71	0.67
308	0.16	0.71	1.5	1.5	Urban	0.029	0.24	0.15	9.70	0.06	32	**Tc (hrs)**	1.50	1.50	1.50	1.38	1.25	1.17
												Vel (f/s)	0.69	0.69	0.69	0.76	0.83	0.89
												R (hrs)	1.26	1.26	1.26	1.15	1.04	0.96
309	1.22	1.83	11.1	11.1	Urban	0.026	0.25	0.13	10.10	0.04	27	**Tc (hrs)**	1.50	1.35	1.18	1.03	0.95	0.90
												Vel (f/s)	1.79	1.99	2.28	2.61	2.81	3.00

* Non default value

Sub Basin Data

Basin: 01 Storms: Single Duration: 6 Hour * Loss Method: Green-Ampt * Unit Hydrograph: Clark *

Sub Basin ID	Sub Basin Parameters: Area (sq mi)	Length (mi)	Slope (ft/mi)	Adj Slope	Time-Area	Kb	Rainfall Losses: IA (in)	DTHETA	PSIF (in)	XKSAT (in/hr)	RTIMP (%)		Return Period (Years): 2	5	10	25	50	100
												R (hrs)	0.84	0.75	0.64	0.55	0.51	0.48
310	1.08	1.69	10.3	10.3	Urban	0.026	0.25	0.15	9.70	0.06	26	Tc (hrs)	1.50	1.40	1.20	1.04	0.95	0.89
												Vel (f/s)	1.65	1.77	2.06	2.39	2.60	2.78
												R (hrs)	0.85	0.79	0.66	0.56	0.51	0.48
311	0.56	1.51	11.0	11.0	Urban	0.027	0.25	0.16	7.60	0.11	23	Tc (hrs)	1.50	1.43	1.20	1.00	0.92	0.85
												Vel (f/s)	1.48	1.55	1.85	2.21	2.42	2.61
												R (hrs)	1.13	1.07	0.88	0.72	0.65	0.60
312	0.71	1.94	8.5	8.5	Urban	0.026	0.25	0.13	10.10	0.04	28	Tc (hrs)	1.50	1.50	1.37	1.19	1.10	1.03
												Vel (f/s)	1.90	1.90	2.08	2.40	2.59	2.77
												R (hrs)	1.20	1.20	1.09	0.93	0.85	0.79
313	0.47	1.33	8.4	8.4	Urban	0.027	0.18	0.15	8.00	0.11	52	Tc (hrs)	1.50	1.25	1.11	0.98	0.90	0.84
												Vel (f/s)	1.30	1.56	1.75	2.00	2.17	2.32
												R (hrs)	1.12	0.92	0.81	0.70	0.64	0.59
314	0.11	0.50	5.4	5.4	Urban	0.028	0.10	0.17	6.80	0.19	80	Tc (hrs)	0.94	0.77	0.70	0.63	0.60	0.56
												Vel (f/s)	0.78	0.96	1.05	1.16	1.23	1.30
												R (hrs)	0.68	0.55	0.49	0.44	0.41	0.39
315	0.51	1.19	8.6	8.6	Urban	0.031	0.25	0.26	5.80	0.23	25	Tc (hrs)	1.50	1.50	1.50	1.50	1.06	0.96
												Vel (f/s)	1.16	1.16	1.16	1.14	1.64	1.82
												R (hrs)	0.98	0.98	0.98	1.00	0.67	0.60
316	0.27	0.97	8.6	8.6	Urban	0.028	0.23	0.25	6.00	0.22	33	Tc (hrs)	1.50	1.36	1.50	0.93	0.83	0.75
												Vel (f/s)	0.95	1.04	0.93	1.53	1.72	1.89
												R (hrs)	1.19	1.07	1.23	0.70	0.61	0.56

Land Use Data

Sub Basin ID	Land Use Code	Area	Area Pct (%)	DTHETA Condition	Vegetation Cover (%)	RTIMP (%)	IA (in)	Kn	Kb Type	Kb
Major Basin: 01										
311	M.D.R.	0.331	59.6	Normal	50.0	30	0.25	0.050	Min	0.025
	OPEN	0.045	8.1	Dry	10.0		0.10	0.020	Min	0.031
	PARK	0.013	2.4	Normal	90.0		0.20	0.100	Min	0.034
	SCHOOL	0.017	3.1	Normal	30.0	5	0.30		Min	0.034
	V.L.D.R.	0.013	2.4	Normal	30.0	5	0.30	0.050	Min	0.034
312	COMM	0.022	3.2	Normal	75.0	80	0.10	0.020	Min	0.033
	IND	0.024	3.3	Normal	60.0	55	0.15	0.030	Min	0.033
	L.D.R.	0.153	21.6	Normal	50.0	15	0.30	0.050	Min	0.028
	M.D.R.	0.473	66.7	Normal	50.0	30	0.25	0.050	Min	0.024
	OPEN	0.019	2.6	Dry	10.0		0.10	0.020	Min	0.033
	PARK	0.018	2.6	Normal	90.0		0.20	0.100	Min	0.033
313	COMM	0.213	45.5	Normal	75.0	80	0.10	0.020	Min	0.027
	M.D.R.	0.250	53.3	Normal	50.0	30	0.25	0.050	Min	0.026
	PARK	0.006	1.2	Normal	90.0		0.20	0.100	Min	0.036
314	COMM	0.115	100.0	Normal	75.0	80	0.10	0.020	Min	0.028
315	COMM	0.018	3.5	Normal	75.0	80	0.10	0.020	Min	0.033
	IND	0.038	7.6	Normal	60.0	55	0.15	0.030	Min	0.031
	M.D.R.	0.309	60.8	Normal	50.0	30	0.25	0.050	Min	0.026
	OPEN	0.053	10.4	Dry	10.0		0.10	0.020	Min	0.030
	PARK	0.032	6.3	Normal	90.0		0.20	0.100	Min	0.032
	ROWCROP	0.058	11.4	Normal	85.0		0.50	0.100	Low	0.058
316	COMM	0.017	6.4	Normal	75.0	80	0.10	0.020	Min	0.033
	IND	0.021	7.6	Normal	60.0	55	0.15	0.030	Min	0.033
	M.D.R.	0.216	79.5	Normal	50.0	30	0.25	0.050	Min	0.027
	PARK	0.017	6.4	Normal	90.0		0.20	0.100	Min	0.033

Table 4.1

Luke Wash Flow Estimation

Luke Wash Tributary Name	HEC-1 Basin ID	Contributing Area (sq-mi)	Luke Wash HEC-RAS Reach	River Station	100-year Flow (cfs)	5-year Flow (cfs)	10-year Flow (cfs)	25-year Flow (cfs)	50-year Flow (cfs)	500-year Flow (cfs)	5-year % of 100-yr	10-year % of 100-yr	25-year % of 100-yr	50-year % of 100-yr	USGS R-13 Value 5-yr Flow (cfs)	10-yr Flow (cfs)	25-yr Flow (cfs)	50-yr Flow (cfs)	100-yr Flow (cfs)
East Main Split	CC70E	7.555	Split-1	0.395	1901	419	661	1063	1426	3232	22%	35%	56%	75%	921.3	1453.9	2338.7	3137.2	4182.4
East Main Trib	78B	0.479	East Main-7	7.365	582	144	220	344	447	989	25%	38%	59%	77%	185.9	283.9	444.3	577.5	752.5
East Main Trib	CC77A	1.317	East Main-6	6.509	847	196	304	484	640	1440	23%	36%	57%	76%	348.4	541.9	862.0	1141.0	1508.9
East Main Trib	C70G	3.243	East Main-5	5.5	1370	306	480	770	1029	2329	22%	35%	56%	75%	585.2	919.2	1474.2	1969.7	2622.0
East Main Trib	C70G	3.243	East Main-4	5.06	1370	306	480	770	1029	2329	22%	35%	56%	75%	585.2	919.2	1474.2	1969.7	2622.0
East Main Trib	CC74A	5.069	East Main-4	4.962	1623	359	566	909	1218	2759	22%	35%	56%	75%	746.6	1176.1	1890.2	2532.2	3375.2
East Main Trib	CC74A	5.069	East Main-3	4.708	1623	359	566	909	1218	2759	22%	35%	56%	75%	746.6	1176.1	1890.2	2532.2	3375.2
East Main Trib	C70E	6.441	East Main-3	4.636	1648	363	573	922	1236	2802	22%	35%	56%	75%	847.7	1337.0	2150.1	2883.0	3843.6
East Main Trib	CC70E	7.555	East Main-3	3.716	1901	419	661	1063	1426	3232	22%	35%	56%	75%	921.3	1453.9	2338.7	3137.2	4182.4
East Main Trib	CC70E	7.555	East Main-2	3.325	1901	419	661	1063	1426	3232	22%	35%	56%	75%	921.3	1453.9	2338.7	3137.2	4182.4
T1NR5WS28E	77B	0.442	S28E-1	1.465	533	133	202	316	410	906	25%	38%	59%	77%	176.4	269.0	420.2	545.3	709.4
T1NR5WS33E	75A	0.46	S33E-1	0.908	455	113	172	269	349	774	25%	38%	59%	77%	181.1	276.3	432.0	561.1	730.6
T1NR5WS33N	70G	1.633	S33N-1	1.671	811	185	289	461	612	1379	23%	36%	57%	75%	395.7	617.2	984.1	1306.2	1731.0
T1NR5WS33W	74B	0.665	S33W-1	1.441	613	148	227	357	468	1042	24%	37%	58%	76%	229.2	352.4	554.9	726.3	951.9
T1SR5WS09W	73B	0.606	S09W-1	1.149	625	152	233	366	478	1063	24%	37%	58%	76%	216.1	331.7	521.4	681.2	891.4
T1SR5WS09W	C73A	1.114	S09W-1	0.827	641	149	232	368	486	1090	23%	36%	57%	76%	315.1	488.9	776.0	1024.6	1352.5

Table 4.2

Desert Hills Flow Estimation

SUB-BASIN			Basin	Cumm.	HEC-1		Average	5-year	10-year	25-year	50-year	500-year					Adobe Dam ADMP Flow				
Jerry Jones Study 1991	Stanley Study 1999	HEC-1 ID Name	Area (ac)	Area (Ac)	100-yr Flow (cfs)	Area (sq-mi)	Elevation (ft)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	5-year % of 100-year	10-year % of 100-year	25-year % of 100-year	50-year % of 100-year	5-yr Flow (cfs)	10-yr Flow (cfs)	25-yr Flow (cfs)	50-yr Flow (cfs)	100-yr Flow (cfs)
	F2C	F2C	92	92	216	0.1438	1854	81	110	153	185	367	38%	51%	71%	85%					
	F2B+C	F2BSUM	138	230	437	0.3594	1828	165	222	309	373	743	38%	51%	71%	85%					
	F2A+B+C	F2ASUM	110	340	562	0.5313	1794	212	286	397	480	955	38%	51%	71%	85%					
F2			294		488	0.4594	1825	184	248	345	417	830	38%	51%	71%	85%					
	30C	30C	101	101	260	0.1578	1860	98	132	184	222	442	38%	51%	71%	85%					
	30B+C	30BSUM	83	184	**376**	0.2875	1836	**142**	**191**	**266**	**321**	**639**	38%	51%	71%	85%	189.0	255.0	354.0	428.0	501.0
	30A+B+C	30ASUM	78	262	**417**	0.4094	1816	**157**	**212**	**295**	**356**	**709**	38%	51%	71%	85%					
30			317		539	0.4953	1837	203	274	381	460	916	38%	51%	71%	85%					
	41A	41A	298	298	532	0.4656	1872	133	181	242	354	904	25%	34%	45%	66%					
	41B	41B	147	147	330	0.2297	1822	83	112	150	219	561	25%	34%	45%	66%					
	41A+B	41ASUM	147	445	887	0.6953	1826	222	302	403	590	1508	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			3669			920	1248	1666	2440	6237	25%	34%	45%	66%					
41			569		1095	0.8891	1840	274	372	497	728	1862	25%	34%	45%	66%					
	43I	43I	61	61	221	0.0953	2016	55	75	100	147	376	25%	34%	45%	66%					
	43H+I	43HSUM	35	96	262	0.1500	1940	66	89	119	174	445	25%	34%	45%	66%					
	43G	43G	107	107	321	0.1672	2032	80	109	146	213	546	25%	34%	45%	66%					
	43F+G	43FSUM	141	248	638	0.3875	1974	160	217	290	424	1085	25%	34%	45%	66%					
	43E+F+G	43ESUM	219	467	1040	0.7297	1924	261	354	472	692	1768	25%	34%	45%	66%					
	43D	43D	69	69	179	0.1078	1986	45	61	81	119	304	25%	34%	45%	66%					
	43C+D	43CSUM	91	160	347	0.2500	1948	87	118	158	231	590	25%	34%	45%	66%					
	43B+C+D	43BSUM	72	232	430	0.3625	1918	108	146	195	286	731	25%	34%	45%	66%					
	43A+B+C+D+E+F=G+H	43ASUM	69	864	1735	1.3500	1898	435	590	788	1154	2950	25%	34%	45%	66%					
43			890		1787	1.3906	1960	448	608	811	1188	3038	25%	34%	45%	66%					
	44B	44B	234	234	614	0.3656	2002	154	209	279	408	1044	25%	34%	45%	66%					
	44A+B	44ASUM	153	387	782	0.6047	1904	196	266	355	520	1329	25%	34%	45%	66%	196.0	266.0	355.0	520.0	782.0
		Interim flows from the HEC-RAS			1000			251	340	454	665	1700	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			2692			675	916	1222	1790	4576	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			3669			920	1248	1666	2440	6237	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			4143			1038	1409	1881	2755	7043	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			8890			2228	3024	4036	5912	15113	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			9171			2299	3120	4163	6098	15591	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			9560			2396	3252	4340	6357	16252	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			9657			2420	3285	4384	6422	16417	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			10259			2571	3490	4657	6822	17440	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			1484			372	505	674	987	2523	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			2224			557	757	1010	1479	3781	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			3406			854	1159	1546	2265	5790	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			4772			1196	1623	2166	3173	8112	25%	34%	45%	66%					
		Interim flows from the HEC-RAS			8890			2228	3024	4036	5912	15113	25%	34%	45%	66%					
44			397		898	0.6203	1953	225	305	408	597	1527	25%	34%	45%	66%					
	50C	50C	96	96	278	0.1500	1924	70	98	130	186	473	25%	35%	47%	67%					
	50B	50B	239	239	535	0.3734	1852	134	188	250	359	910	25%	35%	47%	67%					
	(Combine 50B & 50C)	50BSM1		335	692	0.5234	1876	173	243	324	464	1176	25%	35%	47%	67%	173.0	243.0	324.0	464.0	692.0
	50D	50D	152	152	346	0.2375	1846	87	122	162	232	588	25%	35%	47%	67%					
	(Combine 50BSM1 & 50D)	50BSUM		487	1038	0.7609	1870	260	365	486	696	1765	25%	35%	47%	67%					
	50A	50A	257	257	421	0.4016	1802	105	148	197	282	716	25%	35%	47%	67%					
	(Combine 50BSUM & 50A)	50ASUM		744	845	1.1625	1838	211	297	396	567	1437	25%	35%	47%	67%					
					933			233	328	437	626	1586	25%	35%	47%	67%					
50			736		1023	1.1500	1858	256	359	479	686	1739	25%	35%	47%	67%					
	70F	70F	204	204	645	0.3188	2160	161	185	285	427	1097	25%	29%	44%	66%					
		Interim flows from the HEC-RAS			669			167	192	296	442	1137	25%	29%	44%	66%					
		Interim flows from the HEC-RAS			915			229	263	405	605	1556	25%	29%	44%	66%					
	70E	70E	240	240	531	0.3750	1962	133	153	235	351	903	25%	29%	44%	66%					
	(Combine 70E&70F)	70ESUM		444	992	0.6938	2018	248	285	439	656	1686	25%	29%	44%	66%	248.0	285.0	439.0	656.0	992.0
	70D	70D	46	46	165	0.0719	1984	41	47	73	109	281	25%	29%	44%	66%					
	70C	70C	50	50	153	0.0781	1912	38	44	68	101	260	25%	29%	44%	66%					
	(Combine 70ESUM, 70D, AND	70CDEF		540	1210	0.8438	1990	303	348	535	800	2057	25%	29%	44%	66%					
	70B	70B	37	37	110	0.0578	1892	28	32	49	73	187	25%	29%	44%	66%					

Table 4.2

Desert Hills Flow Estimation

SUB-BASIN			Basin	Cumm.	HEC-1		Average	5-year	10-year	25-year	50-year	500-year					Adobe Dam ADMP Flow				
Jerry Jones Study 1991	Stanley Study 1999	HEC-1 ID Name	Area (ac)	Area (Ac)	100-yr Flow (cfs)	Area (sq-mi)	Elevation (ft)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	Flow (cfs)	5-year % of 100-year	10-year % of 100-year	25-year % of 100-year	50-year % of 100-year	5-yr Flow (cfs)	10-yr Flow (cfs)	25-yr Flow (cfs)	50-yr Flow (cfs)	100-yr Flow (cfs)
	(Combine 70CDEF and 70B)	70BSM		577	1215	0.9016	1966	304	349	538	803	2066	25%	29%	44%	66%					
	80F	*80F*	*180*	*180*	*614*	*0.2813*	*2144*	153	155	299	416	1044	25%	25%	49%	68%					
	80E	80E	108	108	302	0.1688	1984	75	76	147	204	513	25%	25%	49%	68%					
	(Combine 80E and 80F)	*80ESUM*		*288*	*845*	*0.4500*	*2020*	211	214	412	572	1437	25%	25%	49%	68%	211.0	214.0	412.0	572.0	845.0
	80D	80D	85	85	183	0.1328	1910	46	46	89	124	311	25%	25%	49%	68%					
		Interim flows from the HEC-RAS			1423			355	360	694	963	2419	25%	25%	49%	68%					
		Interim flows from the HEC-RAS			1469			367	372	716	994	2497	25%	25%	49%	68%					
		Interim flows from the HEC-RAS			1481			370	375	722	1003	2518	25%	25%	49%	68%					
		Interim flows from the HEC-RAS			1446			361	366	705	979	2458	25%	25%	49%	68%					
		Interim flows from the HEC-RAS			4772			1192	1209	2327	3230	8112	25%	25%	49%	68%					
	(Combine 80ESUM and 80D	*80DSUM*		*373*	*725*	*0.5828*	*1980*	181	184	353	491	1233	25%	25%	49%	68%					
	7080A5	7080A5	59	59	183	0.0922	1874	46	53	81	121	311	25%	29%	44%	66%					
	(Combine 7080A5, 80DSUM, & 70BA5)	A5SUM		1009	1917	1.5766	1930	479	551	848	1268	3259	25%	29%	44%	66%					
	7080A4	7080A4	92	92	268	0.1438	1852	67	77	119	177	456	25%	29%	44%	66%					
	(Combine 7080A4 and A5A4)	A4SUM		1101	1907	1.7203	1908	477	548	844	1261	3242	25%	29%	44%	66%					
	7080A3	7080A3	124	124	383	0.1938	1836	96	110	169	253	651	25%	29%	44%	66%					
	(Combine 7080A3 and A4A3)	A3SUM		1225	1934	1.9141	1884	484	556	856	1279	3288	25%	29%	44%	66%					
	7080A2	7080A2	154	154	456	0.2406	1816	114	131	202	302	775	25%	29%	44%	66%					
	(Combine 7080A2 and A3A2)	A2SUM		1379	1924	2.1547	1870	481	553	851	1272	3271	25%	29%	44%	66%					
	7080A1	7080A1	120	120	340	0.1875	1806	85	98	150	225	578	25%	29%	44%	66%					
	(Combine 7080A1 and A2A1)	A1SUM		1499	1895	2.3422	1860	474	544	839	1253	3222	25%	29%	44%	66%					
	70X2	70X2	489	489	1336	0.7641	1820	334	384	591	883	2271	25%	29%	44%	66%					
	(Combine A1SUM and 70X2)	X2SUM		1988	2225	3.1063	1830	556	639	985	1471	3783	25%	29%	44%	66%					
70			1408		1899	2.2000	1912	475	546	840	1256	3228	25%	29%	44%	66%					
80			864		1107	1.3500	2015	277	318	490	732	1882	25%	29%	44%	66%					

APPENDIX C

CD WITH DIGITAL FILES

APPENDIX D

HAZUS RESULTS TABLES

APPENDIX D

HAZUS RESULTS TABLES

LUKE WASH

Hazus Summary Table
Luke Wash Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	5	7.0	$ 14,272	0.0	$ -	$ 14,272
								Total	**$ 14,272**		**$ -**	**$ 14,272**
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	10	7.0	$ 14,272	0.0	$ -	$ 14,272
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	10	18.2	$ 28,989	12.8	$ 10,144	$ 39,132
								Total	**$ 43,260**		**$ 10,144**	**$ 53,404**
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	25	0.7	$ 684	0.5	$ 228	$ 912
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	25	2.9	$ 3,345	1.9	$ 1,115	$ 4,460
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	25	7.0	$ 14,272	0.0	$ -	$ 14,272
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	25	18.3	$ 30,642	12.9	$ 10,795	$ 41,438
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	25	18.3	$ 49,161	13.1	$ 17,541	$ 66,702
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	25	18.9	$ 30,023	14.9	$ 11,825	$ 41,848
								Total	**$ 128,127**		**$ 41,504**	**$ 169,631**
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	50	0.4	$ 372	0.3	$ 124	$ 496
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	50	5.5	$ 6,396	3.7	$ 2,132	$ 8,529
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	50	7.0	$ 14,272	0.0	$ -	$ 14,272
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	50	18.6	$ 49,974	14.1	$ 18,862	$ 68,836
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	50	18.7	$ 31,304	14.2	$ 11,871	$ 43,176
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	50	19.3	$ 30,751	16.4	$ 13,008	$ 43,759
								Total	**$ 133,070**		**$ 45,998**	**$ 179,068**
50432196V		2008	2676.8	1.0	LK_832	$ 248,562	100	1.1	$ 2,709	0.7	$ 903	$ 3,612
50432036H	33711 W MOBILE LN	1982	1781.2	1.0	LK_625	$ 165,369	100	1.9	$ 3,187	1.3	$ 1,062	$ 4,249
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	100	4.8	$ 4,497	3.2	$ 1,499	$ 5,996
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	100	7.0	$ 14,272	0.0	$ -	$ 14,272
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	100	8.2	$ 9,575	5.5	$ 3,192	$ 12,766
50432049	33401 W WIER AVE	2004	2887.71	0.5	LK_358	$ 268,151	100	18.98804	$ 50,917	15.21112	$ 20,394	$ 71,311

Hazus Summary Table
Luke Wash Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	100	19.1	$ 32,072	15.6	$ 13,119	$ 45,191
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	100	19.8	$ 31,553	18.0	$ 14,310	$ 45,863
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	100	19.3	$ 51,692	16.2	$ 21,654	$ 73,346
								Total	**$ 200,472**		**$ 76,133**	**$ 276,606**
40142520		1978	967.8	1.0	LK_905	$ 128,997	500	0.0	$ 8	0.0	$ 8	$ 15
50432039D	4410 S 334TH DR	2002	1502.8	1.0	LK_349	$ 99,040	500	0.3	$ 323	0.2	$ 108	$ 431
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	500	0.4	$ 326	0.3	$ 109	$ 435
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	500	1.1	$ 466	0.3	$ 64	$ 530
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	500	2.2	$ 2,739	1.5	$ 913	$ 3,652
50432036H	33711 W MOBILE LN	1982	1781.2	1.0	LK_625	$ 165,369	500	5.7	$ 9,362	3.8	$ 3,121	$ 12,483
50432196V		2008	2676.8	1.0	LK_832	$ 248,562	500	6.8	$ 16,934	4.5	$ 5,645	$ 22,578
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	500	7.0	$ 14,272	2.4	$ 2,419	$ 16,691
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	500	8.9	$ 8,246	5.9	$ 2,749	$ 10,995
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	500	14.7	$ 17,150	9.8	$ 5,717	$ 22,866
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	500	19.8	$ 53,196	18.0	$ 24,099	$ 77,295
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	500	20.2	$ 33,902	19.2	$ 16,093	$ 49,995
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	500	21.0	$ 33,370	21.7	$ 17,263	$ 50,633
								Total	**$ 190,294**		**$ 78,306**	**$ 268,599**

Hazus Summary Table
Luke Wash Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432044W		1998	224.4	2.0	LK_737	$ 7,993	5	15.8	$ 1,261	6.5	$ 259	$ 1,519
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	5	17.2	$ 35,041	16.2	$ 16,501	$ 51,543
50432176	4717 S 337TH DR	2006	2636.4	5.1	LK_359	$ 173,793	5	18.7	$ 32,575	14.4	$ 12,528	$ 45,103
50432044D	33716 W MOBILE AVE	1999	681.0	2.0	LK_161	$ 44,844	5	19.1	$ 8,559	15.5	$ 3,483	$ 12,043
50432245	33843 W TAMARISK AVE	2007	1568.7	5.1	LK_592	$ 103,387	5	19.1	$ 19,789	15.7	$ 8,120	$ 27,909
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	5	19.3	$ 16,069	16.3	$ 6,777	$ 22,846
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	5	19.8	$ 24,267	17.8	$ 10,896	$ 35,163
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	5	19.9	$ 23,951	18.3	$ 10,970	$ 34,921
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	5	25.0	$ 10,597	13.2	$ 2,794	$ 13,391
								Total	**$ 172,109**		**$ 72,328**	**$ 244,438**
40130004D	32425 W SALOME HWY	2005	742.0	2.0	LK_10	$ 56,277	10	0.2	$ 140	6.6	$ 3,703	$ 3,842
50432044K	3825 S 339TH AVE	1981	1887.5	2.0	LK_253	$ 67,485	10	12.8	$ 8,615	4.3	$ 1,446	$ 10,061
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	10	17.9	$ 36,512	16.9	$ 17,237	$ 53,749
50432196B	33508 W WIER AVE	2006	2540.1	5.2	LK_62	$ 167,442	10	18.0	$ 30,207	12.1	$ 10,157	$ 40,364
50432218	3918 S 335TH AVE	2006	2285.8	4.5	LK_378	$ 150,678	10	18.2	$ 27,354	12.5	$ 9,417	$ 36,771
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	10	18.2	$ 28,989	12.8	$ 10,144	$ 39,132
50432215	3814 S 335TH AVE	2006	2066.0	4.2	LK_374	$ 136,182	10	18.5	$ 25,176	13.6	$ 9,249	$ 34,426
50432006S	4115 S 336TH AVE	2004	3433.7	3.8	LK_919	$ 226,375	10	18.5	$ 41,963	13.7	$ 15,558	$ 57,522
50432176	4717 S 337TH DR	2006	2636.4	5.1	LK_359	$ 173,793	10	19.1	$ 33,269	15.7	$ 13,655	$ 46,924
50432245	33843 W TAMARISK AVE	2007	1568.7	5.1	LK_592	$ 103,387	10	19.5	$ 20,175	16.9	$ 8,747	$ 28,922
50432044D	33716 W MOBILE AVE	1999	681.0	2.0	LK_161	$ 44,844	10	19.6	$ 8,772	17.1	$ 3,828	$ 12,600
50432044W		1998	224.4	2.0	LK_737	$ 7,993	10	19.6	$ 1,565	9.2	$ 369	$ 1,935
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	10	19.8	$ 16,468	17.9	$ 7,425	$ 23,893
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	10	20.2	$ 24,740	19.0	$ 11,664	$ 36,404
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	10	20.3	$ 24,361	19.4	$ 11,637	$ 35,997
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	10	28.8	$ 12,203	15.9	$ 3,378	$ 15,581
								Total	**$ 340,509**		**$ 137,614**	**$ 478,123**

40130004D	32425 W SALOME HWY	2005	742.0	2.0	LK_10	$ 56,277	25	1.1	$ 618	8.6	$ 4,818	$ 5,436
50432044K	3825 S 339TH AVE	1981	1887.5	2.0	LK_253	$ 67,485	25	17.4	$ 11,720	7.6	$ 2,575	$ 14,295

Hazus Summary Table
Luke Wash Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	25	18.2	$ 16,908	12.5	$ 5,832	$ 22,741
50432044W		1998	1430.4	3.0	LK_740	$ 94,264	25	18.2	$ 17,151	12.6	$ 5,954	$ 23,104
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	25	18.3	$ 30,642	12.9	$ 10,795	$ 41,438
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	25	18.3	$ 49,161	13.1	$ 17,541	$ 66,702
50432062	33412 W ROESER RD	1990	2028.2	3.0	LK_177	$ 133,687	25	18.4	$ 24,648	13.4	$ 8,971	$ 33,618
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	25	18.6	$ 21,758	14.1	$ 8,213	$ 29,970
50432214	3724 S 335TH AVE	2006	1821.4	4.9	LK_572	$ 120,049	25	18.7	$ 22,393	14.1	$ 8,478	$ 30,871
50432196B	33508 W WIER AVE	2006	2540.1	5.2	LK_62	$ 167,442	25	18.7	$ 31,243	14.1	$ 11,839	$ 43,082
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	25	18.8	$ 38,299	17.8	$ 18,130	$ 56,429
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	25	18.9	$ 30,023	14.9	$ 11,825	$ 41,848
50432218	3918 S 335TH AVE	2006	2285.8	4.5	LK_378	$ 150,678	25	18.9	$ 28,524	15.0	$ 11,319	$ 39,843
50432006S	4115 S 336TH AVE	2004	3433.7	3.8	LK_919	$ 226,375	25	19.2	$ 43,465	15.9	$ 17,998	$ 61,464
50432215	3814 S 335TH AVE	2006	2066.0	4.2	LK_374	$ 136,182	25	19.3	$ 26,294	16.3	$ 11,066	$ 37,360
50432176	4717 S 337TH DR	2006	2636.4	5.1	LK_359	$ 173,793	25	19.6	$ 34,145	17.4	$ 15,078	$ 49,223
50432245	33843 W TAMARISK AVE	2007	1568.7	5.1	LK_592	$ 103,387	25	19.9	$ 20,625	18.3	$ 9,478	$ 30,104
50432044D	33716 W MOBILE AVE	1999	681.0	2.0	LK_161	$ 44,844	25	20.1	$ 9,034	19.0	$ 4,254	$ 13,289
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	25	20.4	$ 16,959	19.8	$ 8,224	$ 25,183
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	25	20.7	$ 25,357	20.6	$ 12,667	$ 38,024
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	25	20.7	$ 24,906	20.8	$ 12,524	$ 37,430
50432044W		1998	224.4	2.0	LK_737	$ 7,993	25	23.1	$ 1,845	11.8	$ 471	$ 2,316
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	25	33.5	$ 14,204	19.4	$ 4,106	$ 18,310
								Total	**$ 539,922**		**$ 222,156**	**$ 762,078**
40130004D	32425 W SALOME HWY	2005	742.0	2.0	LK_10	$ 56,277	50	1.7	$ 947	9.9	$ 5,585	$ 6,532
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	50	18.1	$ 16,839	12.3	$ 5,720	$ 22,559
50432217	3912 S 335TH AVE	2006	2514.8	4.9	LK_602	$ 165,776	50	18.4	$ 30,535	13.4	$ 11,076	$ 41,612
50432044W		1998	1430.4	3.0	LK_740	$ 94,264	50	18.5	$ 17,438	13.6	$ 6,420	$ 23,857
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	50	18.6	$ 49,974	14.1	$ 18,862	$ 68,836
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	50	18.7	$ 31,304	14.2	$ 11,871	$ 43,176
50432062	33412 W ROESER RD	1990	2028.2	3.0	LK_177	$ 133,687	50	18.8	$ 25,076	14.5	$ 9,666	$ 34,742
50432214	3724 S 335TH AVE	2006	1821.4	4.9	LK_572	$ 120,049	50	18.8	$ 22,591	14.7	$ 8,798	$ 31,389

Hazus Summary Table
Luke Wash Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432230	3706 S 335TH AVE	2006	2567.6	4.7	LK_319	$ 169,257	50	18.8	$ 31,898	14.7	$ 12,481	$ 44,379
50432196B	33508 W WIER AVE	2006	2540.1	5.2	LK_62	$ 167,442	50	19.0	$ 31,811	15.2	$ 12,763	$ 44,575
50432215	3814 S 335TH AVE	2006	2066.0	4.2	LK_374	$ 136,182	50	19.2	$ 26,088	15.8	$ 10,730	$ 36,818
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	50	19.2	$ 22,436	16.0	$ 9,315	$ 31,750
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	50	19.3	$ 30,751	16.4	$ 13,008	$ 43,759
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	50	19.4	$ 39,643	18.4	$ 18,802	$ 58,445
50432006S	4115 S 336TH AVE	2004	3433.7	3.8	LK_919	$ 226,375	50	19.6	$ 44,285	17.1	$ 19,331	$ 63,616
50432218	3918 S 335TH AVE	2006	2285.8	4.5	LK_378	$ 150,678	50	19.9	$ 30,001	18.2	$ 13,719	$ 43,721
50432176	4717 S 337TH DR	2006	2636.4	5.1	LK_359	$ 173,793	50	20.0	$ 34,768	18.5	$ 16,092	$ 50,860
50432245	33843 W TAMARISK AVE	2007	1568.7	5.1	LK_592	$ 103,387	50	20.3	$ 20,946	19.3	$ 10,000	$ 30,946
50432044D	33716 W MOBILE AVE	1999	681.0	2.0	LK_161	$ 44,844	50	20.6	$ 9,216	20.3	$ 4,551	$ 13,767
50432044K	3825 S 339TH AVE	1981	1887.5	2.0	LK_253	$ 67,485	50	20.6	$ 13,900	10.0	$ 3,367	$ 17,268
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	50	20.8	$ 17,300	21.1	$ 8,778	$ 26,078
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	50	21.0	$ 25,815	21.9	$ 13,412	$ 39,228
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	50	21.0	$ 25,289	21.9	$ 13,145	$ 38,434
50432044W		1998	224.4	2.0	LK_737	$ 7,993	50	25.6	$ 2,043	13.6	$ 543	$ 2,585
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	50	36.8	$ 15,602	21.8	$ 4,614	$ 20,216
								Total	**$ 616,496**		**$ 262,652**	**$ 879,147**
40130004D	32425 W SALOME HWY	2005	742.0	2.0	LK_10	$ 56,277	100	2.3	$ 1,310	11.4	$ 6,432	$ 7,742
50432044K	3825 S 339TH AVE	1981	1440.4	2.0	LK_257	$ 51,492	100	12.9	$ 6,627	4.4	$ 1,122	$ 7,749
50432196V		2008	2676.8	1.0	LK_832	$ 248,562	100	18.2	$ 45,343	12.8	$ 15,892	$ 61,235
50432044V		1978	296.2	2.0	LK_838	$ 19,470	100	18.3	$ 3,571	13.1	$ 1,277	$ 4,848
50432036H	33711 W MOBILE LN	1982	1781.2	1.0	LK_625	$ 165,369	100	18.4	$ 30,475	13.4	$ 11,073	$ 41,547
50432211	33708 W PECAN RD	2004	1623.0	4.0	LK_371	$ 106,964	100	18.5	$ 19,758	13.5	$ 7,237	$ 26,995
50432216	3826 S 335TH AVE	2006	2027.3	6.2	LK_376	$ 133,630	100	18.8	$ 25,104	14.6	$ 9,724	$ 34,828
50432044W		1998	1430.4	3.0	LK_740	$ 94,264	100	18.9	$ 17,770	14.8	$ 6,961	$ 24,731
50432217	3912 S 335TH AVE	2006	2514.8	4.9	LK_602	$ 165,776	100	18.9	$ 31,386	15.0	$ 12,460	$ 43,846
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	100	19.0	$ 50,917	15.2	$ 20,394	$ 71,311
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	100	19.1	$ 17,755	15.5	$ 7,209	$ 24,965
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	100	19.1	$ 32,072	15.6	$ 13,119	$ 45,191

Hazus Summary Table
Luke Wash Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432062	33412 W ROESER RD	1990	2028.2	3.0	LK_177	$ 133,687	100	19.1	$ 25,573	15.7	$ 10,475	$ 36,048
50432230	3706 S 335TH AVE	2006	2567.6	4.7	LK_319	$ 169,257	100	19.2	$ 32,418	15.7	$ 13,327	$ 45,745
50432196B	33508 W WIER AVE	2006	2540.1	5.2	LK_62	$ 167,442	100	19.4	$ 32,440	16.5	$ 13,785	$ 46,225
50432214	3724 S 335TH AVE	2006	1821.4	4.9	LK_572	$ 120,049	100	19.8	$ 23,731	17.7	$ 10,652	$ 34,383
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	100	19.8	$ 23,142	17.9	$ 10,462	$ 33,604
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	100	19.8	$ 31,553	18.0	$ 14,310	$ 45,863
50432006S	4115 S 336TH AVE	2004	3433.7	3.8	LK_919	$ 226,375	100	19.9	$ 45,158	18.3	$ 20,750	$ 65,909
50432218	3918 S 335TH AVE	2006	2285.8	4.5	LK_378	$ 150,678	100	20.1	$ 30,267	18.8	$ 14,152	$ 44,419
50432215	3814 S 335TH AVE	2006	2066.0	4.2	LK_374	$ 136,182	100	20.4	$ 27,731	19.7	$ 13,401	$ 41,132
50432176	4717 S 337TH DR	2006	2636.4	5.1	LK_359	$ 173,793	100	20.4	$ 35,464	19.8	$ 17,222	$ 52,687
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	100	20.5	$ 41,771	19.5	$ 19,866	$ 61,637
50432245	33843 W TAMARISK AVE	2007	1568.7	5.1	LK_592	$ 103,387	100	20.6	$ 21,322	20.5	$ 10,610	$ 31,932
50432044D	33716 W MOBILE AVE	1999	681.0	2.0	LK_161	$ 44,844	100	21.0	$ 9,425	21.8	$ 4,890	$ 14,315
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	100	21.3	$ 17,691	22.6	$ 9,413	$ 27,105
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	100	21.4	$ 25,734	23.1	$ 13,868	$ 39,602
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	100	21.5	$ 26,348	23.3	$ 14,277	$ 40,625
50432044K	3825 S 339TH AVE	1981	1887.5	2.0	LK_253	$ 67,485	100	24.2	$ 16,358	12.6	$ 4,261	$ 20,619
50432044W		1998	224.4	2.0	LK_737	$ 7,993	100	28.4	$ 2,272	15.7	$ 626	$ 2,898
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	100	40.6	$ 17,190	24.5	$ 5,191	$ 22,381
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	100	19.3	$ 51,692	16.2	$ 21,654	$ 73,346
50432062	33412 W ROESER RD	1990	2028.2	3.0	LK_177	$ 133,687	100	19.7	$ 26,296	17.4	$ 11,648	$ 37,944
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	100	21.8	$ 26,266	24.5	$ 14,733	$ 40,999
								Total	**$ 871,928**		**$ 382,475**	**$ 1,254,404**
40130004D	32425 W SALOME HWY	2005	448.9	2.0	LK_4	$ 34,022	500	1.3	$ 443	9.0	$ 3,075	$ 3,518
40142520		1978	967.8	1.0	LK_905	$ 128,997	500	2.0	$ 2,615	2.0	$ 2,642	$ 5,256
40130004D	32425 W SALOME HWY	2005	742.0	2.0	LK_10	$ 56,277	500	3.8	$ 2,122	14.8	$ 8,327	$ 10,448
50432006R	4109 S 336TH AVE	1997	2536.8	2.0	LK_90	$ 167,229	500	18.1	$ 30,185	12.2	$ 10,170	$ 40,356
50432039D	4410 S 334TH DR	2002	1502.8	1.0	LK_349	$ 99,040	500	18.1	$ 17,899	12.2	$ 6,059	$ 23,958
50435001N	33405 W ALTA VISTA RD	2006	2675.7	4.0	LK_339	$ 176,385	500	18.2	$ 32,178	12.8	$ 11,279	$ 43,457
50432044K	3825 S 339TH AVE	1981	3441.3	2.0	LK_256	$ 226,877	500	18.5	$ 41,892	13.5	$ 15,325	$ 57,217
50435001M	33438 W SAINT ANNE AVE	2006	2803.3	4.0	LK_338	$ 184,801	500	18.6	$ 34,343	13.9	$ 12,840	$ 47,183

Hazus Summary Table
Luke Wash Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432044V		1978	296.2	2.0	LK_838	$ 19,470	500	19.2	$ 3,740	15.9	$ 1,551	$ 5,292
50432036H	33711 W MOBILE LN	1982	1781.2	1.0	LK_625	$ 165,369	500	19.3	$ 31,847	16.1	$ 13,303	$ 45,150
50432196V		2008	2676.8	1.0	LK_832	$ 248,562	500	19.5	$ 48,504	16.9	$ 21,029	$ 69,533
50432211	33708 W PECAN RD	2004	1623.0	4.0	LK_371	$ 106,964	500	19.6	$ 20,997	17.3	$ 9,251	$ 30,248
50432044K	3825 S 339TH AVE	1981	1440.4	2.0	LK_257	$ 51,492	500	19.6	$ 10,118	9.3	$ 2,392	$ 12,509
50432044W		1998	1430.4	3.0	LK_740	$ 94,264	500	19.7	$ 18,573	17.5	$ 8,265	$ 26,839
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	500	19.8	$ 53,196	18.0	$ 24,099	$ 77,295
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	500	20.0	$ 18,589	18.4	$ 8,563	$ 27,152
50432216	3826 S 335TH AVE	2006	2027.3	6.2	LK_376	$ 133,630	500	20.0	$ 26,685	18.4	$ 12,294	$ 38,980
50432062	33412 W ROESER RD	1990	2028.2	3.0	LK_177	$ 133,687	500	20.0	$ 26,746	18.5	$ 12,380	$ 39,126
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	500	20.2	$ 33,902	19.2	$ 16,093	$ 49,995
50432196B	33508 W WIER AVE	2006	2540.1	5.2	LK_62	$ 167,442	500	20.3	$ 33,942	19.4	$ 16,226	$ 50,168
50432217	3912 S 335TH AVE	2006	2514.8	4.9	LK_602	$ 165,776	500	20.3	$ 33,609	19.4	$ 16,071	$ 49,679
50432006S	4115 S 336TH AVE	2004	3433.7	3.8	LK_919	$ 226,375	500	20.8	$ 47,007	21.0	$ 23,753	$ 70,760
50432230	3706 S 335TH AVE	2006	2567.6	4.7	LK_319	$ 169,257	500	20.8	$ 35,204	21.1	$ 17,855	$ 53,059
50432214	3724 S 335TH AVE	2006	1821.4	4.9	LK_572	$ 120,049	500	21.0	$ 25,178	21.7	$ 13,002	$ 38,180
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	500	21.0	$ 33,370	21.7	$ 17,263	$ 50,633
50432176	4717 S 337TH DR	2006	2636.4	5.1	LK_359	$ 173,793	500	21.2	$ 36,911	22.5	$ 19,573	$ 56,484
50432231	3710 S 335TH AVE	2006	1771.3	0.9	LK_267	$ 116,747	500	21.3	$ 24,825	22.6	$ 13,198	$ 38,023
50432215	3814 S 335TH AVE	2006	2066.0	4.2	LK_374	$ 136,182	500	21.4	$ 29,116	23.0	$ 15,650	$ 44,766
50432245	33843 W TAMARISK AVE	2007	1568.7	5.1	LK_592	$ 103,387	500	21.5	$ 22,201	23.3	$ 12,039	$ 34,239
50432218	3918 S 335TH AVE	2006	2285.8	4.5	LK_378	$ 150,678	500	21.6	$ 32,524	23.7	$ 17,819	$ 50,343
50432044D	33716 W MOBILE AVE	1999	681.0	2.0	LK_161	$ 44,844	500	21.8	$ 9,790	24.5	$ 5,483	$ 15,274
50432044D	33716 W MOBILE AVE	1999	1262.0	2.0	LK_162	$ 83,160	500	22.1	$ 18,350	25.2	$ 10,486	$ 28,835
50432063	33441 W MOBILE LN	2006	1823.9	3.0	LK_579	$ 120,212	500	22.2	$ 26,700	25.7	$ 15,448	$ 42,148
50432050	33331 W WIER AVE	1998	1862.2	2.0	LK_166	$ 122,742	500	22.4	$ 27,460	26.2	$ 16,104	$ 43,563
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	500	24.8	$ 50,558	20.9	$ 21,356	$ 71,914
50432044K	3825 S 339TH AVE	1981	1887.5	2.0	LK_253	$ 67,485	500	31.0	$ 20,923	17.5	$ 5,921	$ 26,845
50432044W		1998	224.4	2.0	LK_737	$ 7,993	500	35.4	$ 2,829	20.7	$ 829	$ 3,658
50432044F	33736 W MOBILE LN	1978	1185.8	2.0	LK_466	$ 42,383	500	45.9	$ 19,454	29.2	$ 6,188	$ 25,642
								Total	**$ 984,522**		**$ 463,202**	**$ 1,447,724**

Hazus Summary Table
Luke Wash Study Area
Run 3

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432044K	3825 S 339TH AVE	1981	1440.4	2.0	LK_257	$ 51,492	100	0.6	$ 321	0.2	$ 44	$ 365
50432196V		2008	2676.8	1.0	LK_832	$ 248,562	100	1.1	$ 2,709	0.7	$ 903	$ 3,612
50432044V		1978	296.2	2.0	LK_838	$ 19,470	100	1.5	$ 301	1.0	$ 100	$ 401
50432036H	33711 W MOBILE LN	1982	1781.2	1.0	LK_625	$ 165,369	100	1.9	$ 3,187	1.3	$ 1,062	$ 4,249
50432211	33708 W PECAN RD	2004	1623.0	4.0	LK_371	$ 106,964	100	2.1	$ 2,269	1.4	$ 756	$ 3,026
50432216	3826 S 335TH AVE	2006	2027.3	6.2	LK_376	$ 133,630	100	3.5	$ 4,726	2.4	$ 1,575	$ 6,301
50432044W		1998	1430.4	3.0	LK_740	$ 94,264	100	3.8	$ 3,613	2.6	$ 1,204	$ 4,818
50432217	3912 S 335TH AVE	2006	2514.8	4.9	LK_602	$ 165,776	100	4.2	$ 6,959	2.8	$ 2,320	$ 9,279
50432044K	3825 S 339TH AVE	1981	1887.5	2.0	LK_253	$ 67,485	100	4.4	$ 2,978	1.2	$ 406	$ 3,384
50432049	33401 W WIER AVE	2004	2887.7	0.5	LK_358	$ 268,151	100	4.4	$ 11,922	3.0	$ 3,974	$ 15,897
50432006R	4109 S 336TH AVE	1997	1003.1	1.0	LK_87	$ 93,089	100	4.8	$ 4,497	3.2	$ 1,499	$ 5,996
50432051C	33325 W WIER AVE	2007	2544.5	0.0	LK_597	$ 167,734	100	5.0	$ 8,460	3.4	$ 2,820	$ 11,280
50432062	33412 W ROESER RD	1990	2028.2	3.0	LK_177	$ 133,687	100	5.1	$ 6,794	3.4	$ 2,265	$ 9,059
50432230	3706 S 335TH AVE	2006	2567.6	4.7	LK_319	$ 169,257	100	5.2	$ 8,782	3.5	$ 2,927	$ 11,710
50432196B	33508 W WIER AVE	2006	2540.1	5.2	LK_62	$ 167,442	100	6.2	$ 10,353	4.1	$ 3,451	$ 13,804
50432214	3724 S 335TH AVE	2006	1821.4	4.9	LK_572	$ 120,049	100	8.0	$ 9,550	5.3	$ 3,183	$ 12,733
50432213B	33705 W PECAN RD	2005	2411.7	0.0	LK_373	$ 158,980	100	8.3	$ 13,213	5.5	$ 4,404	$ 17,617
50432006S	4115 S 336TH AVE	2004	3433.7	3.8	LK_919	$ 226,375	100	8.8	$ 19,849	5.8	$ 6,616	$ 26,465
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	100	10.5	$ 21,382	7.9	$ 8,025	$ 29,407
								Total	**$ 141,867**		**$ 47,536**	**$ 189,403**

Hazus Summary Table
Luke Wash Study Area
Run 4

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
50432196C	4411 S 335TH DR	2006	3092.6	5.1	LK_366	$ 203,883	100	7.0	$ 14,272	6.7	$ 6,875	$ 21,147
								Total	**$ 14,272**		**$ 6,875**	**$ 21,147**

APPENDIX D

HAZUS RESULTS TABLES

DESERT HILLS

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21123063	515 E DESERT HILLS ESTAT	1993	897	1.0	DM_21	$ 78,924	5	0.3	$ 276	0.2	$ 92	$ 368
21123063	515 E DESERT HILLS ESTAT	1993	5017	1.0	DM_20	$ 481,187	5	1.7	$ 8,078	1.1	$ 2,693	$ 10,770
21153034C	216 E GALVIN ST	1988	3528	1.0	DM_2087	$ 335,820	5	2.1	$ 6,884	1.4	$ 2,295	$ 9,179
21149028E	1150 E JOY RANCH RD	1992	1702	0.5	DM_394	$ 157,503	5	2.8	$ 4,447	1.9	$ 1,482	$ 5,929
21174008F	33908 N 13TH ST	1997	3760	1.0	DM_3960	$ 358,479	5	2.9	$ 10,413	1.9	$ 3,471	$ 13,884
21149016C	715 E IRVINE RD	2006	5222	1.0	DM_397	$ 501,213	5	4.3	$ 21,310	2.8	$ 7,103	$ 28,413
21149016D	729 E IRVINE RD	2006	6919	1.0	DM_398	$ 666,835	5	4.7	$ 31,341	3.1	$ 10,447	$ 41,788
21149017M		2007	3932	1.0	DM_468	$ 375,226	5	5.6	$ 21,189	3.8	$ 7,063	$ 28,252
21174015	34308 N 12TH ST	2004	5367	1.0	DM_3973	$ 402,860	5	5.9	$ 23,611	19.7	$ 79,264	$ 102,875
21174004V	1217 E TUMBLEWEED DR	2004	8424	0.5	DM_3869	$ 813,843	5	6.8	$ 54,970	4.5	$ 18,323	$ 73,294
21174007G	34013 N 13TH PL	2006	3185	1.0	DM_3642	$ 302,320	5	10.8	$ 32,623	7.2	$ 10,874	$ 43,497
21153047B		1976	1557	1.0	DM_3030	$ 143,430	5	11.5	$ 16,508	7.7	$ 5,503	$ 22,010
21168065D	1430 E CLOUD RD	1986	3361	1.0	DM_1762	$ 319,511	5	12.2	$ 39,083	8.2	$ 13,028	$ 52,111
21152030D	35845 N 12TH ST	1998	2522	2.0	DM_3892	$ 167,943	5	14.4	$ 24,200	9.6	$ 8,067	$ 32,267
21153034A	118 E GALVIN ST	1987	2075	1.0	DM_2296	$ 193,960	5	15.1	$ 29,206	10.0	$ 9,735	$ 38,942
21153070B	35810 N CENTRAL AVE	1997	4073	0.5	DM_2530	$ 389,053	5	18.0	$ 70,058	12.0	$ 23,390	$ 93,448
21153074C	35842 N CENTRAL AVE	1996	1634	0.0	DM_4082	$ -	5	18.5	$ 29,865	13.7	$ 11,031	$ 40,896
21153074A	35836 N CENTRAL AVE	1997	2436	0.5	DM_2111	$ 229,206	5	18.7	$ 42,749	14.1	$ 16,177	$ 58,926
21152030D	35845 N 12TH ST	1998	2619	2.0	DM_3893	$ 174,578	5	18.8	$ 32,738	14.4	$ 12,609	$ 45,347
21152018F	36026 N 12TH ST	1993	3202	1.0	DM_3113	$ 303,966	5	19.3	$ 58,724	16.3	$ 24,755	$ 83,479
21153074C	35842 N CENTRAL AVE	1996	2161	0.5	DM_3157	$ 202,308	5	19.4	$ 39,219	16.5	$ 16,694	$ 55,913
21153070A	35814 N CENTRAL AVE	1998	3865	0.5	DM_2857	$ 368,712	5	20.1	$ 74,169	18.9	$ 34,799	$ 108,968
21120142	37841 N 16TH ST	2004	2830	1.0	DM_1651	$ 267,707	5	20.1	$ 53,879	18.9	$ 25,311	$ 79,190
21152132A	35610 N 12TH ST	2002	3311	0.0	DM_2419	$ 314,615	5	20.4	$ 64,086	19.7	$ 30,992	$ 95,077
21152030C	35845 N 12TH ST	1989	4521	1.0	DM_3304	$ 432,796	5	22.2	$ 96,198	25.8	$ 55,737	$ 151,935
21152025E	36321 N 12TH ST	1945	2332	0.5	DM_3820	$ 219,055	5	22.5	$ 49,237	26.6	$ 29,124	$ 78,361
21152009Z	35615 N 12TH ST	1987	3877	0.5	DM_3811	$ 369,892	5	22.5	$ 83,157	26.6	$ 49,205	$ 132,363
21152051F	35906 N 12TH ST	1999	5340	3.0	DM_2806	$ 360,483	5	23.1	$ 83,323	28.7	$ 51,756	$ 135,079
21152133	34931 N 12TH ST	2007	4396	3.0	DM_3847	$ 420,568	5	23.6	$ 99,094	30.2	$ 63,519	$ 162,613
21152030B	35837 N 12TH ST	1993	4772	1.5	DM_3474	$ 457,285	5	23.6	$ 107,795	30.2	$ 69,148	$ 176,943
21152031C	35819 N 12TH ST	1990	2641	1.0	DM_3501	$ 249,207	5	23.8	$ 59,360	31.1	$ 38,709	$ 98,069

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
							5	**Total**	**$ 1,367,791**		**$ 732,396**	**$ 2,100,187**
21123063	515 E DESERT HILLS ESTAT	1993	897	1.0	DM_21	$ 78,924	10	0.5	$ 402	0.3	$ 134	$ 536
21123063	515 E DESERT HILLS ESTAT	1993	5017	1.0	DM_20	$ 481,187	10	1.8	$ 8,818	1.2	$ 2,939	$ 11,757
21153070C	35802 N CENTRAL AVE	1998	3142	1.0	DM_3019	$ 298,136	10	2.1	$ 6,263	1.4	$ 2,088	$ 8,350
21149016C	715 E IRVINE RD	2006	5222	1.0	DM_397	$ 501,213	10	4.4	$ 21,971	2.9	$ 7,324	$ 29,294
21149016D	729 E IRVINE RD	2006	6919	1.0	DM_398	$ 666,835	10	4.8	$ 32,264	3.2	$ 10,755	$ 43,019
21149017M		2007	3932	1.0	DM_468	$ 375,226	10	5.8	$ 21,585	3.8	$ 7,195	$ 28,780
21153034C	216 E GALVIN ST	1988	3528	1.0	DM_2087	$ 335,820	10	6.8	$ 22,882	4.5	$ 7,627	$ 30,509
21174015	34308 N 12TH ST	2004	5367	1.0	DM_3973	$ 402,860	10	7.5	$ 30,245	26.9	$ 108,510	$ 138,755
21174008F	33908 N 13TH ST	1997	3760	1.0	DM_3960	$ 358,479	10	9.4	$ 33,634	6.3	$ 11,211	$ 44,845
21149028E	1150 E JOY RANCH RD	1992	1702	0.5	DM_394	$ 157,503	10	11.7	$ 18,449	7.8	$ 6,150	$ 24,599
21174004V	1217 E TUMBLEWEED DR	2004	8424	0.5	DM_3869	$ 813,843	10	12.3	$ 100,355	8.2	$ 33,452	$ 133,807
21153047B		1976	1557	1.0	DM_3030	$ 143,430	10	16.5	$ 23,596	11.0	$ 7,865	$ 31,461
21174007G	34013 N 13TH PL	2006	3185	1.0	DM_3642	$ 302,320	10	17.4	$ 52,544	11.6	$ 17,515	$ 70,059
21168065D	1430 E CLOUD RD	1986	3361	1.0	DM_1762	$ 319,511	10	17.5	$ 55,841	11.7	$ 18,614	$ 74,455
21152030D	35845 N 12TH ST	1998	2522	2.0	DM_3892	$ 167,943	10	17.6	$ 29,562	11.7	$ 9,854	$ 39,416
21153034A	118 E GALVIN ST	1987	2075	1.0	DM_2296	$ 193,960	10	18.3	$ 35,414	12.8	$ 12,452	$ 47,866
21153070B	35810 N CENTRAL AVE	1997	4073	0.5	DM_2530	$ 389,053	10	18.7	$ 72,813	14.3	$ 27,866	$ 100,678
21152030D	35845 N 12TH ST	1998	2619	2.0	DM_3893	$ 174,578	10	19.5	$ 34,073	16.9	$ 14,778	$ 48,851
21153074C	35842 N CENTRAL AVE	1996	1634	0.0	DM_4082	$ -	10	19.6	$ 31,678	17.3	$ 13,977	$ 45,655
21153074A	35836 N CENTRAL AVE	1997	2436	0.5	DM_2111	$ 229,206	10	19.8	$ 45,297	17.7	$ 20,318	$ 65,615
21152018F	36026 N 12TH ST	1993	3202	1.0	DM_3113	$ 303,966	10	20.1	$ 61,191	18.9	$ 28,763	$ 89,954
21153074C	35842 N CENTRAL AVE	1996	2161	0.5	DM_3157	$ 202,308	10	20.5	$ 41,433	20.1	$ 20,291	$ 61,724
21153070A	35814 N CENTRAL AVE	1998	3865	0.5	DM_2857	$ 368,712	10	20.8	$ 76,713	21.1	$ 38,933	$ 115,646
21120142	37841 N 16TH ST	2004	2830	1.0	DM_1651	$ 267,707	10	21.4	$ 57,260	23.0	$ 30,806	$ 88,066
21152132A	35610 N 12TH ST	2002	3311	0.0	DM_2419	$ 314,615	10	21.5	$ 67,539	23.3	$ 36,603	$ 104,143
21152030C	35845 N 12TH ST	1989	4521	1.0	DM_3304	$ 432,796	10	22.7	$ 98,360	27.4	$ 59,340	$ 157,700
21152025E	36321 N 12TH ST	1945	2332	0.5	DM_3820	$ 219,055	10	23.2	$ 50,764	28.9	$ 31,668	$ 82,432
21152009Z	35615 N 12TH ST	1987	3877	0.5	DM_3811	$ 369,892	10	23.2	$ 85,873	29.1	$ 53,732	$ 139,605
21152051F	35906 N 12TH ST	1999	5340	3.0	DM_2806	$ 360,483	10	23.6	$ 85,058	30.3	$ 54,647	$ 139,705

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21152030B	35837 N 12TH ST	1993	4772	1.5	DM_3474	$ 457,285	10	24.0	$ 109,905	31.8	$ 72,665	$ 182,570
21152031C	35819 N 12TH ST	1990	2641	1.0	DM_3501	$ 249,207	10	24.3	$ 60,676	32.8	$ 40,902	$ 101,579
21152133	34931 N 12TH ST	2007	4396	3.0	DM_3847	$ 420,568	10	24.4	$ 102,453	32.9	$ 69,118	$ 171,570
								Total	**$ 1,574,911**		**$ 878,091**	**$ 2,453,002**
21153046J	35307 N 1ST PL	2000	1188	3.0	DM_3032	$ 76,857	25	1.0	$ 743	0.6	$ 248	$ 991
21153082A	109 E GALVIN ST	2003	6007	3.0	DM_2532	$ 577,866	25	1.3	$ 7,326	0.8	$ 2,442	$ 9,768
21152127D	35120 N 12TH ST	2001	4558	4.0	DM_3603	$ 436,328	25	1.6	$ 7,008	1.1	$ 2,336	$ 9,344
21123058	38240 N 5TH ST	1993	4009	1.0	DM_564	$ 382,793	25	1.7	$ 6,662	1.2	$ 2,221	$ 8,882
21123138	232 E ADAMANDA DR	1994	4116	1.0	DM_661	$ 393,239	25	2.0	$ 7,716	1.3	$ 2,572	$ 10,288
21152025D	36007 N 12TH ST	1999	4049	3.0	DM_3408	$ 386,646	25	2.7	$ 10,501	1.8	$ 3,500	$ 14,001
21120142	37841 N 16TH ST	2004	6611	1.0	DM_1652	$ 636,790	25	3.0	$ 19,197	2.0	$ 6,399	$ 25,596
21120057J	1735 E TAMAR RD	1988	2277	1.0	DM_884	$ 213,689	25	3.5	$ 7,480	2.3	$ 2,493	$ 9,973
21152113E		2006	4680	1.0	DM_3710	$ 448,272	25	3.6	$ 15,927	2.4	$ 5,309	$ 21,236
21123271J	505 E SPEER TR	2005	3956	0.5	DM_232	$ 377,558	25	3.7	$ 13,929	2.5	$ 4,643	$ 18,572
21153046C	117 W GALVIN ST	2002	4176	1.0	DM_2884	$ 399,097	25	3.7	$ 14,811	2.5	$ 4,937	$ 19,748
21123063	515 E DESERT HILLS ESTAT	1993	897	1.0	DM_21	$ 78,924	25	3.9	$ 3,108	2.6	$ 1,036	$ 4,143
21153070C	35802 N CENTRAL AVE	1998	3142	1.0	DM_3019	$ 298,136	25	4.7	$ 13,993	3.1	$ 4,664	$ 18,657
21174010A	33840 N 14TH ST	1975	1640	2.0	DM_3387	$ 107,728	25	4.8	$ 5,212	3.2	$ 1,737	$ 6,950
21123063	515 E DESERT HILLS ESTAT	1993	5017	1.0	DM_20	$ 481,187	25	5.3	$ 25,639	3.6	$ 8,546	$ 34,186
21168052H	37315 N 13TH PL	2005	4437	1.0	DM_1188	$ 424,589	25	7.2	$ 30,666	4.8	$ 10,222	$ 40,887
21174015	34308 N 12TH ST	2004	5367	1.0	DM_3973	$ 402,860	25	9.3	$ 37,464	35.2	$ 141,718	$ 179,182
21149017M		2007	3932	1.0	DM_468	$ 375,226	25	9.7	$ 36,392	6.5	$ 12,131	$ 48,523
21149016C	715 E IRVINE RD	2006	5222	1.0	DM_397	$ 501,213	25	10.2	$ 51,078	6.8	$ 17,026	$ 68,104
21149016D	729 E IRVINE RD	2006	6919	1.0	DM_398	$ 666,835	25	11.0	$ 73,129	7.3	$ 24,376	$ 97,505
21153034C	216 E GALVIN ST	1988	3528	1.0	DM_2087	$ 335,820	25	11.8	$ 39,492	7.8	$ 13,164	$ 52,655
21152137	34907 N 12TH ST	2006	4430	3.0	DM_3913	$ 423,887	25	13.2	$ 55,800	8.8	$ 18,600	$ 74,400
21149028E	1150 E JOY RANCH RD	1992	1702	0.5	DM_394	$ 157,503	25	14.9	$ 23,395	9.9	$ 7,798	$ 31,193
21174008F	33908 N 13TH ST	1997	3760	1.0	DM_3960	$ 358,479	25	17.1	$ 61,257	11.4	$ 20,419	$ 81,676
21123193	405 E BLUE EAGLE LN	1994	4907	0.5	DM_805	$ 470,476	25	18.1	$ 85,232	12.4	$ 29,117	$ 114,349
21174004V	1217 E TUMBLEWEED DR	2004	8424	0.5	DM_3869	$ 813,843	25	18.1	$ 147,628	12.5	$ 50,677	$ 198,306

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21123179	401 E DESERT RANCH RD	1994	2706	0.5	DM_42	$ 255,573	25	18.2	$ 46,495	12.6	$ 16,133	$ 62,628
21152018E	36040 N 12TH ST	1988	3668	0.0	DM_2788	$ 349,522	25	18.5	$ 64,767	13.7	$ 23,983	$ 88,751
21168057A	36551 N 12TH ST	1987	2610	1.0	DM_1438	$ 246,191	25	18.6	$ 45,862	14.0	$ 17,286	$ 63,147
21152030D	35845 N 12TH ST	1998	2522	2.0	DM_3892	$ 167,943	25	18.7	$ 31,408	14.3	$ 11,991	$ 43,400
21153047B		1976	1557	1.0	DM_3030	$ 143,430	25	18.8	$ 26,965	14.6	$ 10,471	$ 37,436
21149017G	38312 N 8TH PL	2005	4688	0.0	DM_203	$ 449,018	25	18.8	$ 84,428	14.6	$ 32,798	$ 117,226
21152046G	831 E CLOUD RD	1988	4708	0.0	DM_2314	$ 450,985	25	18.8	$ 84,806	14.6	$ 32,956	$ 117,763
21153004D	35116 N 3RD ST	1984	3150	0.5	DM_2285	$ 298,910	25	18.8	$ 56,221	14.6	$ 21,862	$ 78,083
21168065D	1430 E CLOUD RD	1986	3361	1.0	DM_1762	$ 319,511	25	19.0	$ 60,595	15.1	$ 24,180	$ 84,775
21153034D	230 W GALVIN ST	1988	2960	0.0	DM_2847	$ 280,380	25	19.0	$ 53,317	15.3	$ 21,452	$ 74,770
21153034A	118 E GALVIN ST	1987	2075	1.0	DM_2296	$ 193,960	25	19.2	$ 37,246	15.9	$ 15,428	$ 52,674
21153070B	35810 N CENTRAL AVE	1997	4073	0.5	DM_2530	$ 389,053	25	19.4	$ 75,297	16.4	$ 31,903	$ 107,201
21174007G	34013 N 13TH PL	2006	3185	1.0	DM_3642	$ 302,320	25	19.6	$ 59,291	17.2	$ 26,058	$ 85,348
21152030D	35845 N 12TH ST	1998	2619	2.0	DM_3893	$ 174,578	25	20.4	$ 35,546	19.7	$ 17,172	$ 52,718
21153074A	35836 N CENTRAL AVE	1997	2436	0.5	DM_2111	$ 229,206	25	20.4	$ 46,832	19.9	$ 22,811	$ 69,643
21153074C	35842 N CENTRAL AVE	1996	1634	0.0	DM_4082	$ -	25	20.8	$ 33,603	21.2	$ 17,105	$ 50,708
21152018F	36026 N 12TH ST	1993	3202	1.0	DM_3113	$ 303,966	25	21.0	$ 63,895	21.8	$ 33,158	$ 97,053
21153074C	35842 N CENTRAL AVE	1996	2161	0.5	DM_3157	$ 202,308	25	21.1	$ 42,784	22.2	$ 22,487	$ 65,271
21153070A	35814 N CENTRAL AVE	1998	3865	0.5	DM_2857	$ 368,712	25	21.4	$ 79,062	23.2	$ 42,751	$ 121,813
21120142	37841 N 16TH ST	2004	2830	1.0	DM_1651	$ 267,707	25	22.5	$ 60,283	26.7	$ 35,775	$ 96,058
21152132A	35610 N 12TH ST	2002	3311	0.0	DM_2419	$ 314,615	25	22.5	$ 70,872	26.8	$ 42,088	$ 112,960
21152030C	35845 N 12TH ST	1989	4521	1.0	DM_3304	$ 432,796	25	23.3	$ 100,786	29.3	$ 63,385	$ 164,171
21152025E	36321 N 12TH ST	1945	2332	0.5	DM_3820	$ 219,055	25	23.9	$ 52,413	31.4	$ 34,417	$ 86,831
21152009Z	35615 N 12TH ST	1987	3877	0.5	DM_3811	$ 369,892	25	24.0	$ 88,935	31.8	$ 58,834	$ 147,769
21152051F	35906 N 12TH ST	1999	5340	3.0	DM_2806	$ 360,483	25	24.1	$ 87,034	32.1	$ 57,940	$ 144,975
21152030B	35837 N 12TH ST	1993	4772	1.5	DM_3474	$ 457,285	25	24.6	$ 112,308	33.5	$ 76,670	$ 188,978
21152031C	35819 N 12TH ST	1990	2641	1.0	DM_3501	$ 249,207	25	24.9	$ 62,170	34.8	$ 43,392	$ 105,563
21152133	34931 N 12TH ST	2007	4396	3.0	DM_3847	$ 420,568	25	26.2	$ 110,334	35.4	$ 74,465	$ 184,799
								Total	**$ 2,574,340**		**$ 1,327,286**	**$ 3,901,626**
21153085	25 E GALVIN ST	2004	3866	2.0	DM_3178	$ 368,821	50	0.3	$ 1,005	0.2	$ 335	$ 1,340
21152079D	34820 N 12TH ST	2004	4456	1.0	DM_3517	$ 426,379	50	0.8	$ 3,560	0.6	$ 1,187	$ 4,747

Hazus Summary Table
Desert Hills Study Area
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APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21152037A	35614 N 16TH ST	1987	2895	0.5	DM_3560	$ 273,980	50	1.4	$ 3,835	0.9	$ 1,278	$ 5,113
21152078A	34918 N 12TH ST	2002	235	2.0	DM_3846	$ 11,699	50	2.1	$ 241	1.4	$ 80	$ 322
21153043D		2010	7261	1.0	DM_6008	$ 700,261	50	2.9	$ 20,372	1.9	$ 6,791	$ 27,162
21123058	38240 N 5TH ST	1993	4009	1.0	DM_564	$ 382,793	50	3.5	$ 13,298	2.3	$ 4,433	$ 17,730
21174012F	34406 N 12TH ST	1943	3913	0.5	DM_3682	$ 373,366	50	3.7	$ 13,774	2.5	$ 4,591	$ 18,366
21123138	232 E ADAMANDA DR	1994	4116	1.0	DM_661	$ 393,239	50	3.8	$ 14,879	2.5	$ 4,960	$ 19,839
21153033E	124 E LEISURE LN	1987	3740	0.0	DM_2485	$ 356,557	50	3.8	$ 13,562	2.5	$ 4,521	$ 18,082
21153058D		1942	2910	1.0	DM_4109	$ 275,516	50	5.2	$ 14,311	3.5	$ 4,770	$ 19,082
21123063	515 E DESERT HILLS ESTAT	1993	897	1.0	DM_21	$ 78,924	50	5.8	$ 4,554	3.8	$ 1,518	$ 6,072
21123063	515 E DESERT HILLS ESTAT	1993	5017	1.0	DM_20	$ 481,187	50	7.2	$ 34,838	4.8	$ 11,613	$ 46,451
21153046J	35307 N 1ST PL	2000	1188	3.0	DM_3032	$ 76,857	50	8.5	$ 6,566	5.7	$ 2,189	$ 8,755
21153082A	109 E GALVIN ST	2003	6007	3.0	DM_2532	$ 577,866	50	8.6	$ 49,773	5.7	$ 16,591	$ 66,364
21153070C	35802 N CENTRAL AVE	1998	3142	1.0	DM_3019	$ 298,136	50	8.6	$ 25,686	5.7	$ 8,562	$ 34,248
21152127D	35120 N 12TH ST	2001	4558	4.0	DM_3603	$ 436,328	50	8.9	$ 38,666	5.9	$ 12,889	$ 51,554
21174008P		1996	1385	2.0	DM_3685	$ 90,256	50	9.1	$ 8,228	6.1	$ 2,743	$ 10,971
21152025D	36007 N 12TH ST	1999	4049	3.0	DM_3408	$ 386,646	50	9.1	$ 35,342	6.1	$ 11,781	$ 47,122
21152113E		2006	4680	1.0	DM_3710	$ 448,272	50	10.6	$ 47,525	7.1	$ 15,842	$ 63,367
21153046C	117 W GALVIN ST	2002	4176	1.0	DM_2884	$ 399,097	50	11.5	$ 45,924	7.7	$ 15,308	$ 61,233
21174015	34308 N 12TH ST	2004	5367	1.0	DM_3973	$ 402,860	50	11.9	$ 47,808	46.3	$ 186,331	$ 234,139
21149017M		2007	3932	1.0	DM_468	$ 375,226	50	12.1	$ 45,453	8.1	$ 15,151	$ 60,604
21120057J	1735 E TAMAR RD	1988	2277	1.0	DM_884	$ 213,689	50	12.7	$ 27,101	8.5	$ 9,034	$ 36,135
21149016C	715 E IRVINE RD	2006	5222	1.0	DM_397	$ 501,213	50	13.6	$ 68,181	9.1	$ 22,727	$ 90,908
21123271J	505 E SPEER TR	2005	3956	0.5	DM_232	$ 377,558	50	13.9	$ 52,572	9.3	$ 17,524	$ 70,095
21120142	37841 N 16TH ST	2004	6611	1.0	DM_1652	$ 636,790	50	14.2	$ 90,374	9.5	$ 30,125	$ 120,499
21149016D	729 E IRVINE RD	2006	6919	1.0	DM_398	$ 666,835	50	14.5	$ 96,938	9.7	$ 32,313	$ 129,251
21174010A	33840 N 14TH ST	1975	1640	2.0	DM_3387	$ 107,728	50	16.2	$ 17,445	10.8	$ 5,815	$ 23,260
21152069C	34808 N 16TH ST	2002	2317	0.5	DM_3591	$ 217,556	50	18.0	$ 39,188	12.0	$ 13,098	$ 52,286
21152137	34907 N 12TH ST	2006	4430	3.0	DM_3913	$ 423,887	50	18.0	$ 76,451	12.1	$ 25,679	$ 102,129
21123157	38435 N 3RD ST	1994	4994	0.5	DM_126	$ 478,950	50	18.1	$ 86,821	12.4	$ 29,729	$ 116,550
21168052H	37315 N 13TH PL	2005	4437	1.0	DM_1188	$ 424,589	50	18.1	$ 77,038	12.5	$ 26,469	$ 103,507
21149028E	1150 E JOY RANCH RD	1992	1702	0.5	DM_394	$ 157,503	50	18.2	$ 28,593	12.5	$ 9,844	$ 38,437

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APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21168057B	36445 N 12TH ST	1992	3381	0.5	DM_970	$ 321,468	50	18.2	$ 58,448	12.6	$ 20,237	$ 78,685
21152056A	34803 N 7TH ST	2001	1699	3.0	DM_2414	$ 111,711	50	18.3	$ 20,398	12.8	$ 7,173	$ 27,571
21153034C	216 E GALVIN ST	1988	3528	1.0	DM_2087	$ 335,820	50	18.3	$ 61,364	12.9	$ 21,639	$ 83,003
21123193	405 E BLUE EAGLE LN	1994	4907	0.5	DM_805	$ 470,476	50	18.5	$ 86,841	13.5	$ 31,730	$ 118,571
21123179	401 E DESERT RANCH RD	1994	2706	0.5	DM_42	$ 255,573	50	18.5	$ 47,350	13.7	$ 17,522	$ 64,872
21153070D	35812 N CENTRAL AVE	1998	2361	0.5	DM_2108	$ 221,887	50	18.6	$ 41,169	13.8	$ 15,311	$ 56,481
21153035D	35415 N CENTRAL AVE	1980	3943	0.5	DM_3011	$ 376,310	50	19.2	$ 72,177	15.8	$ 29,795	$ 101,972
21149017G	38312 N 8TH PL	2005	4688	0.0	DM_203	$ 449,018	50	19.4	$ 86,984	16.5	$ 36,952	$ 123,937
21152030D	35845 N 12TH ST	1998	2522	2.0	DM_3892	$ 167,943	50	20.0	$ 33,625	18.6	$ 15,595	$ 49,220
21168052E	37314 N 13TH PL	2005	3715	1.0	DM_1186	$ 354,060	50	20.0	$ 70,893	18.6	$ 32,883	$ 103,776
21153070B	35810 N CENTRAL AVE	1997	4073	0.5	DM_2530	$ 389,053	50	20.1	$ 78,308	18.9	$ 36,796	$ 115,105
21152018E	36040 N 12TH ST	1988	3668	0.0	DM_2788	$ 349,522	50	20.2	$ 70,555	19.1	$ 33,387	$ 103,942
21168065D	1430 E CLOUD RD	1986	3361	1.0	DM_1762	$ 319,511	50	20.2	$ 64,514	19.1	$ 30,549	$ 95,062
21174008F	33908 N 13TH ST	1997	3760	1.0	DM_3960	$ 358,479	50	20.2	$ 72,543	19.3	$ 34,536	$ 107,079
21174004V	1217 E TUMBLEWEED DR	2004	8424	0.5	DM_3869	$ 813,843	50	20.3	$ 165,471	19.6	$ 79,672	$ 245,142
21153047B		1976	1557	1.0	DM_3030	$ 143,430	50	20.5	$ 29,424	20.2	$ 14,466	$ 43,889
21153004D	35116 N 3RD ST	1984	3150	0.5	DM_2285	$ 298,910	50	20.6	$ 61,652	20.5	$ 30,687	$ 92,339
21153034D	230 W GALVIN ST	1988	2960	0.0	DM_2847	$ 280,380	50	20.7	$ 58,038	20.8	$ 29,123	$ 87,161
21153034A	118 E GALVIN ST	1987	2075	1.0	DM_2296	$ 193,960	50	20.8	$ 40,310	21.0	$ 20,408	$ 60,719
21168057A	36551 N 12TH ST	1987	2610	1.0	DM_1438	$ 246,191	50	21.1	$ 51,923	22.0	$ 27,135	$ 79,057
21152046G	831 E CLOUD RD	1988	4708	0.0	DM_2314	$ 450,985	50	21.2	$ 95,782	22.5	$ 50,791	$ 146,572
21153074A	35836 N CENTRAL AVE	1997	2436	0.5	DM_2111	$ 229,206	50	21.3	$ 48,876	22.8	$ 26,134	$ 75,010
21152030D	35845 N 12TH ST	1998	2619	2.0	DM_3893	$ 174,578	50	21.8	$ 37,975	24.2	$ 21,120	$ 59,095
21153074C	35842 N CENTRAL AVE	1996	2161	0.5	DM_3157	$ 202,308	50	22.0	$ 44,561	25.1	$ 25,377	$ 69,939
21174007G	34013 N 13TH PL	2006	3185	1.0	DM_3642	$ 302,320	50	22.1	$ 66,692	25.2	$ 38,093	$ 104,785
21153070A	35814 N CENTRAL AVE	1998	3865	0.5	DM_2857	$ 368,712	50	22.2	$ 81,701	25.5	$ 47,063	$ 128,765
21152018F	36026 N 12TH ST	1993	3202	1.0	DM_3113	$ 303,966	50	22.4	$ 67,952	26.2	$ 39,795	$ 107,748
21153074C	35842 N CENTRAL AVE	1996	1634	0.0	DM_4082	$ -	50	22.5	$ 36,321	26.7	$ 21,557	$ 57,878
21152132A	35610 N 12TH ST	2002	3311	0.0	DM_2419	$ 314,615	50	23.7	$ 74,420	30.5	$ 48,001	$ 122,420
21152030C	35845 N 12TH ST	1989	4521	1.0	DM_3304	$ 432,796	50	24.2	$ 104,888	32.4	$ 70,221	$ 175,109
21120142	37841 N 16TH ST	2004	2830	1.0	DM_1651	$ 267,707	50	24.3	$ 65,162	32.8	$ 43,908	$ 109,070

Hazus Summary Table
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APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21152051F	35906 N 12TH ST	1999	5340	3.0	DM_2806	$ 360,483	50	25.0	$ 90,282	35.0	$ 63,111	$ 153,393
21152009Z	35615 N 12TH ST	1987	3877	0.5	DM_3811	$ 369,892	50	25.1	$ 92,887	35.0	$ 64,800	$ 157,688
21152025E	36321 N 12TH ST	1945	2332	0.5	DM_3820	$ 219,055	50	25.1	$ 55,050	35.0	$ 38,382	$ 93,433
21152030B	35837 N 12TH ST	1993	4772	1.5	DM_3474	$ 457,285	50	25.4	$ 116,366	35.1	$ 80,366	$ 196,732
21152031C	35819 N 12TH ST	1990	2641	1.0	DM_3501	$ 249,207	50	25.9	$ 64,492	35.3	$ 43,976	$ 108,468
21152133	34931 N 12TH ST	2007	4396	3.0	DM_3847	$ 420,568	50	27.2	$ 114,186	35.7	$ 75,107	$ 189,293
								Total	**$ 3,679,481**		**$ 1,919,217**	**$ 5,598,698**
21152047F	36004 N 10TH ST	1997	2931	1.0	DM_2800	$ 277,521	100	0.4	$ 1,134	0.3	$ 378	$ 1,512
21174013	1039 E CAREFREE HWY	1997	11859	2.0	DM_3620	$ 973,813	100	1.2	$ 11,317	2.5	$ 24,212	$ 35,529
21123078	315 E LAVITT LN	1994	4441	1.0	DM_904	$ 424,995	100	1.3	$ 5,706	0.9	$ 1,902	$ 7,608
21152048N	35852 N 10TH ST	1988	3235	0.0	DM_2960	$ 307,193	100	2.2	$ 6,784	1.5	$ 2,261	$ 9,045
21174004T	1235 E TUMBLEWEED DR	2002	5222	1.0	DM_3610	$ 501,183	100	3.0	$ 15,010	2.0	$ 5,003	$ 20,013
21123271H	414 E TANYA RD	2003	1464	2.0	DM_388	$ 134,337	100	3.2	$ 4,289	2.1	$ 1,430	$ 5,719
21152037A	35614 N 16TH ST	1987	2895	0.5	DM_3560	$ 273,980	100	3.2	$ 8,765	2.1	$ 2,922	$ 11,687
21168104C		1999	2532	1.0	DM_1670	$ 238,605	100	3.2	$ 7,639	2.1	$ 2,546	$ 10,185
21153001C	36003 N CENTRAL AVE	2002	4373	1.0	DM_3143	$ 418,333	100	3.3	$ 13,678	2.2	$ 4,559	$ 18,237
21153065G	35619 N CENTRAL AVE	1990	3579	1.0	DM_2994	$ 340,787	100	4.6	$ 15,815	3.1	$ 5,272	$ 21,086
21153065D	35625 N CENTRAL AVE	1990	2481	1.0	DM_2993	$ 233,566	100	6.1	$ 14,216	4.1	$ 4,739	$ 18,954
21123058	38240 N 5TH ST	1993	4009	1.0	DM_564	$ 382,793	100	6.2	$ 23,584	4.1	$ 7,861	$ 31,446
21174038Y	1345 E PAINT YOUR WAGC	1988	2853	1.0	DM_3627	$ 269,935	100	6.6	$ 17,900	4.4	$ 5,967	$ 23,867
21123138	232 E ADAMANDA DR	1994	4116	1.0	DM_661	$ 393,239	100	6.7	$ 26,483	4.5	$ 8,828	$ 35,311
21153043D		2010	7261	1.0	DM_6008	$ 700,261	100	7.4	$ 51,622	4.9	$ 17,207	$ 68,829
21152101A	35640 N 12TH ST	1989	2711	3.0	DM_2053	$ 256,011	100	7.5	$ 19,193	5.0	$ 6,398	$ 25,591
21152052F		1989	4909	1.0	DM_2728	$ 470,683	100	8.1	$ 38,038	5.4	$ 12,679	$ 50,718
21123063	515 E DESERT HILLS ESTAT	1993	897	1.0	DM_21	$ 78,924	100	8.3	$ 6,585	5.6	$ 2,195	$ 8,779
21152010J	35033 N 12TH ST	1996	2644	1.0	DM_3836	$ 249,519	100	8.7	$ 21,618	5.8	$ 7,206	$ 28,824
21152012C	1227 E CLOUD RD	2003	1983	3.0	DM_3541	$ 131,120	100	9.2	$ 12,066	6.1	$ 4,022	$ 16,088
21153085	25 E GALVIN ST	2004	3866	2.0	DM_3178	$ 368,821	100	9.6	$ 35,520	6.4	$ 11,840	$ 47,360
21123063	515 E DESERT HILLS ESTAT	1993	5017	1.0	DM_20	$ 481,187	100	9.9	$ 47,621	6.6	$ 15,874	$ 63,494
21174008J	33839 N 12TH ST	1983	2391	0.5	DM_3381	$ 224,775	100	11.0	$ 24,734	7.3	$ 8,245	$ 32,979

Hazus Summary Table
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APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21174007E		2007	2783	1.0	DM_3730	$ 263,102	100	11.7	$ 30,767	7.8	$ 10,256	$ 41,022
21153033E	124 E LEISURE LN	1987	3740	0.0	DM_2485	$ 356,557	100	11.9	$ 42,408	7.9	$ 14,136	$ 56,544
21153070C	35802 N CENTRAL AVE	1998	3142	1.0	DM_3019	$ 298,136	100	13.7	$ 40,772	9.1	$ 13,591	$ 54,363
21168053F	37220 N 14TH ST	1993	2691	1.0	DM_1664	$ 254,113	100	13.8	$ 35,098	9.2	$ 11,699	$ 46,797
21152078A	34918 N 12TH ST	2002	235	2.0	DM_3846	$ 11,699	100	14.7	$ 1,721	9.8	$ 574	$ 2,294
21174015	34308 N 12TH ST	2004	5367	1.0	DM_3973	$ 402,860	100	14.8	$ 59,603	57.2	$ 230,561	$ 290,163
21153058D		1942	2910	1.0	DM_4109	$ 275,516	100	15.1	$ 41,644	10.1	$ 13,881	$ 55,526
21152079D	34820 N 12TH ST	2004	4456	1.0	DM_3517	$ 426,379	100	15.3	$ 65,178	10.2	$ 21,726	$ 86,904
21149017M		2007	3932	1.0	DM_468	$ 375,226	100	15.3	$ 57,499	10.2	$ 19,166	$ 76,665
21174012F	34406 N 12TH ST	1943	3913	0.5	DM_3682	$ 373,366	100	16.8	$ 62,907	11.2	$ 20,969	$ 83,876
21149016C	715 E IRVINE RD	2006	5222	1.0	DM_397	$ 501,213	100	17.8	$ 89,106	11.9	$ 29,702	$ 118,808
21152025D	36007 N 12TH ST	1999	4049	3.0	DM_3408	$ 386,646	100	18.0	$ 69,608	12.0	$ 23,217	$ 92,825
21153082A	109 E GALVIN ST	2003	6007	3.0	DM_2532	$ 577,866	100	18.0	$ 104,256	12.1	$ 35,062	$ 139,317
21153046J	35307 N 1ST PL	2000	1188	3.0	DM_3032	$ 76,857	100	18.1	$ 13,889	12.2	$ 4,700	$ 18,590
21168056G	36735 N 12TH ST	1995	2859	0.0	DM_968	$ 270,526	100	18.2	$ 49,164	12.6	$ 16,994	$ 66,157
21149016D	729 E IRVINE RD	2006	6919	1.0	DM_398	$ 666,835	100	18.2	$ 121,300	12.6	$ 42,074	$ 163,374
21123271J	505 E SPEER TR	2005	3956	0.5	DM_232	$ 377,558	100	18.2	$ 68,692	12.6	$ 23,843	$ 92,535
21123158	233 E IRVINE RD	1994	4288	0.5	DM_790	$ 410,000	100	18.2	$ 74,805	12.8	$ 26,233	$ 101,038
21152127D	35120 N 12TH ST	2001	4558	4.0	DM_3603	$ 436,328	100	18.3	$ 79,632	12.8	$ 27,956	$ 107,588
21153069D	35620 N CENTRAL AVE	1965	2606	0.5	DM_2676	$ 245,785	100	18.3	$ 44,955	12.9	$ 15,907	$ 60,863
21152113E		2006	4680	1.0	DM_3710	$ 448,272	100	18.3	$ 82,145	13.1	$ 29,262	$ 111,406
21123149	38205 N 3RD ST	2006	7006	0.0	DM_192	$ 675,329	100	18.3	$ 123,874	13.1	$ 44,281	$ 168,155
21152069C	34808 N 16TH ST	2002	2317	0.5	DM_3591	$ 217,556	100	18.5	$ 40,261	13.6	$ 14,842	$ 55,102
21123154	38401 N 3RD ST	1994	5102	0.5	DM_123	$ 489,525	100	18.6	$ 91,172	14.0	$ 34,339	$ 125,511
21168052G	37321 N 13TH PL	2005	4628	0.0	DM_1811	$ 443,158	100	18.6	$ 82,555	14.0	$ 31,118	$ 113,674
21153046C	117 W GALVIN ST	2002	4176	1.0	DM_2884	$ 399,097	100	18.8	$ 74,840	14.4	$ 28,826	$ 103,666
21123193	405 E BLUE EAGLE LN	1994	4907	0.5	DM_805	$ 470,476	100	18.9	$ 89,030	15.0	$ 35,288	$ 124,318
21168059F		1982	4157	0.5	DM_1481	$ 397,229	100	18.9	$ 75,183	15.0	$ 29,816	$ 104,999
21123179	401 E DESERT RANCH RD	1994	2706	0.5	DM_42	$ 255,573	100	19.0	$ 48,483	15.2	$ 19,364	$ 67,846
21149028E	1150 E JOY RANCH RD	1992	1702	0.5	DM_394	$ 157,503	100	19.0	$ 29,949	15.3	$ 12,048	$ 41,998
21123157	38435 N 3RD ST	1994	4994	0.5	DM_126	$ 478,950	100	19.1	$ 91,489	15.6	$ 37,314	$ 128,803

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21168043Z	901 E DOLORES RD	1995	2962	0.0	DM_1608	$ 280,591	100	19.3	$ 54,163	16.2	$ 22,778	$ 76,941
21168043M	902 E CLOUD RD	1984	3200	0.5	DM_1427	$ 303,776	100	19.3	$ 58,640	16.2	$ 24,662	$ 83,302
21120142	37841 N 16TH ST	2004	6611	1.0	DM_1652	$ 636,790	100	19.3	$ 123,111	16.3	$ 52,001	$ 175,112
21168160		1998	2689	0.5	DM_1479	$ 253,859	100	19.3	$ 49,115	16.4	$ 20,789	$ 69,903
21168093	814 E CLOUD RD	2004	3504	0.5	DM_1617	$ 333,462	100	19.4	$ 64,599	16.5	$ 27,443	$ 92,041
21120057J	1735 E TAMAR RD	1988	2277	1.0	DM_884	$ 213,689	100	19.4	$ 41,520	16.6	$ 17,788	$ 59,308
21174008P		1996	1385	2.0	DM_3685	$ 90,256	100	19.5	$ 17,595	16.9	$ 7,607	$ 25,202
21153070D	35812 N CENTRAL AVE	1998	2361	0.5	DM_2108	$ 221,887	100	19.6	$ 43,567	17.3	$ 19,208	$ 62,775
21168056F	36601 N 12TH ST	1993	3501	0.5	DM_1434	$ 333,176	100	19.7	$ 65,748	17.6	$ 29,378	$ 95,126
21149017G	38312 N 8TH PL	2005	4688	0.0	DM_203	$ 449,018	100	20.1	$ 90,350	18.9	$ 42,421	$ 132,771
21153034C	216 E GALVIN ST	1988	3528	1.0	DM_2087	$ 335,820	100	20.4	$ 68,623	19.9	$ 33,435	$ 102,058
21152056A	34803 N 7TH ST	2001	1699	3.0	DM_2414	$ 111,711	100	20.5	$ 22,952	20.3	$ 11,324	$ 34,276
21168043N	836 E CLOUD RD	1987	2605	1.0	DM_1428	$ 245,727	100	20.6	$ 50,592	20.4	$ 25,081	$ 75,673
21152137	34907 N 12TH ST	2006	4430	3.0	DM_3913	$ 423,887	100	21.0	$ 88,993	21.7	$ 46,061	$ 135,054
21174010A	33840 N 14TH ST	1975	1640	2.0	DM_3387	$ 107,728	100	21.0	$ 22,664	21.9	$ 11,783	$ 34,447
21153070B	35810 N CENTRAL AVE	1997	4073	0.5	DM_2530	$ 389,053	100	21.1	$ 82,034	22.0	$ 42,850	$ 124,883
21153035D	35415 N CENTRAL AVE	1980	3943	0.5	DM_3011	$ 376,310	100	21.1	$ 79,508	22.2	$ 41,709	$ 121,217
21168052H	37315 N 13TH PL	2005	4437	1.0	DM_1188	$ 424,589	100	21.4	$ 90,880	23.1	$ 48,963	$ 139,844
21168057B	36445 N 12TH ST	1992	3381	0.5	DM_970	$ 321,468	100	21.4	$ 68,921	23.2	$ 37,255	$ 106,176
21168065D	1430 E CLOUD RD	1986	3361	1.0	DM_1762	$ 319,511	100	21.8	$ 69,731	24.4	$ 39,026	$ 108,757
21152030D	35845 N 12TH ST	1998	2522	2.0	DM_3892	$ 167,943	100	21.9	$ 36,832	24.8	$ 20,805	$ 57,637
21153074A	35836 N CENTRAL AVE	1997	2436	0.5	DM_2111	$ 229,206	100	22.2	$ 50,796	25.5	$ 29,269	$ 80,065
21152018E	36040 N 12TH ST	1988	3668	0.0	DM_2788	$ 349,522	100	22.2	$ 77,656	25.7	$ 44,960	$ 122,616
21153047B		1976	1557	1.0	DM_3030	$ 143,430	100	22.5	$ 32,309	26.8	$ 19,186	$ 51,495
21153034A	118 E GALVIN ST	1987	2075	1.0	DM_2296	$ 193,960	100	22.6	$ 43,885	27.1	$ 26,268	$ 70,153
21153004D	35116 N 3RD ST	1984	3150	0.5	DM_2285	$ 298,910	100	22.6	$ 67,689	27.2	$ 40,578	$ 108,267
21153034D	230 W GALVIN ST	1988	2960	0.0	DM_2847	$ 280,380	100	22.7	$ 63,519	27.2	$ 38,106	$ 101,624
21153074C	35842 N CENTRAL AVE	1996	2161	0.5	DM_3157	$ 202,308	100	22.7	$ 45,918	27.3	$ 27,638	$ 73,556
21153070A	35814 N CENTRAL AVE	1998	3865	0.5	DM_2857	$ 368,712	100	22.9	$ 84,359	27.9	$ 51,492	$ 135,851
21174004V	1217 E TUMBLEWEED DR	2004	8424	0.5	DM_3869	$ 813,843	100	22.9	$ 186,756	28.2	$ 114,581	$ 301,336
21168052E	37314 N 13TH PL	2005	3715	1.0	DM_1186	$ 354,060	100	23.0	$ 81,358	28.3	$ 50,032	$ 131,389

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21174008F	33908 N 13TH ST	1997	3760	1.0	DM_3960	$ 358,479	100	23.2	$ 83,047	28.9	$ 51,779	$ 134,825
21152030D	35845 N 12TH ST	1998	2619	2.0	DM_3893	$ 174,578	100	23.3	$ 40,637	29.3	$ 25,539	$ 66,176
21168057A	36551 N 12TH ST	1987	2610	1.0	DM_1438	$ 246,191	100	23.8	$ 58,504	30.9	$ 38,011	$ 96,515
21152018F	36026 N 12TH ST	1993	3202	1.0	DM_3113	$ 303,966	100	23.8	$ 72,481	31.1	$ 47,343	$ 119,823
21153074C	35842 N CENTRAL AVE	1996	1634	0.0	DM_4082	$ -	100	24.2	$ 39,010	32.3	$ 26,038	$ 65,048
21174007G	34013 N 13TH PL	2006	3185	1.0	DM_3642	$ 302,320	100	24.6	$ 74,321	33.6	$ 50,808	$ 125,129
21152132A	35610 N 12TH ST	2002	3311	0.0	DM_2419	$ 314,615	100	25.1	$ 79,013	35.0	$ 55,118	$ 134,131
21152046G	831 E CLOUD RD	1988	4708	0.0	DM_2314	$ 450,985	100	25.5	$ 115,087	35.2	$ 79,312	$ 194,399
21152030C	35845 N 12TH ST	1989	4521	1.0	DM_3304	$ 432,796	100	25.6	$ 110,977	35.2	$ 76,202	$ 187,180
21120142	37841 N 16TH ST	2004	2830	1.0	DM_1651	$ 267,707	100	26.0	$ 69,607	35.3	$ 47,295	$ 116,902
21152051F	35906 N 12TH ST	1999	5340	3.0	DM_2806	$ 360,483	100	26.4	$ 95,236	35.5	$ 63,937	$ 159,173
21152009Z	35615 N 12TH ST	1987	3877	0.5	DM_3811	$ 369,892	100	26.6	$ 98,207	35.5	$ 65,687	$ 163,894
21152025E	36321 N 12TH ST	1945	2332	0.5	DM_3820	$ 219,055	100	26.7	$ 58,460	35.6	$ 38,951	$ 97,410
21152030B	35837 N 12TH ST	1993	4772	1.5	DM_3474	$ 457,285	100	26.8	$ 122,629	35.6	$ 81,410	$ 204,039
21152031C	35819 N 12TH ST	1990	2641	1.0	DM_3501	$ 249,207	100	27.3	$ 67,947	35.8	$ 44,552	$ 112,499
21152133	34931 N 12TH ST	2007	4396	3.0	DM_3847	$ 420,568	100	28.8	$ 121,284	36.8	$ 77,465	$ 198,749
								Total	**$ 5,742,128**		**$ 3,016,211**	**$ 8,758,340**
21123074	515 E LAVITT LN	1990	2840	1.0	DM_770	$ 268,667	500	0.2	$ 466	0.1	$ 155	$ 622
21123151	38229 N 3RD ST	1994	3363	1.0	DM_119	$ 319,710	500	0.2	$ 695	0.1	$ 232	$ 927
21123194	411 E BLUE EAGLE LN	1994	4161	1.0	DM_49	$ 397,603	500	0.6	$ 2,437	0.4	$ 812	$ 3,250
21123219	230 E IRVINE RD	1997	4579	1.0	DM_783	$ 438,434	500	0.7	$ 3,189	0.5	$ 1,063	$ 4,252
21174009C	1240 E PAINT YOUR WAGC	1983	4263	1.0	DM_3779	$ 407,563	500	1.0	$ 4,084	0.7	$ 1,361	$ 5,445
21123183	519 E DESERT RANCH RD	1994	3008	1.0	DM_682	$ 285,028	500	1.4	$ 3,908	0.9	$ 1,303	$ 5,211
21123082	38015 N 3RD ST	1994	2657	1.0	DM_1057	$ 250,739	500	1.5	$ 3,884	1.0	$ 1,295	$ 5,179
21123059	502 E DESERT HILLS ESTAT	1989	3095	1.0	DM_108	$ 293,515	500	1.6	$ 4,611	1.0	$ 1,537	$ 6,148
21168028A	1006 E MADDOCK RD	1996	3060	1.0	DM_874	$ 290,147	500	1.6	$ 4,648	1.1	$ 1,549	$ 6,197
21152104F		1985	1663	2.0	DM_2725	$ 109,311	500	2.9	$ 3,125	1.9	$ 1,042	$ 4,166
21149017N		2007	3959	1.0	DM_785	$ 377,931	500	3.3	$ 12,390	2.2	$ 4,130	$ 16,520
21123065	501 E DESERT HILLS DR	1989	2972	1.0	DM_22	$ 281,562	500	3.3	$ 9,305	2.2	$ 3,102	$ 12,406
21153034E	202 W GALVIN ST	1992	2504	1.0	DM_2088	$ 235,883	500	3.7	$ 8,832	2.5	$ 2,944	$ 11,776

Hazus Summary Table
Desert Hills Study Area
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APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21168021F	1021 E CARLISE RD	1999	3193	1.0	DM_1171	$ 303,066	500	4.4	$ 13,218	2.9	$ 4,406	$ 17,625
21153035C	35507 N CENTRAL AVE	2002	1555	2.0	DM_2488	$ 101,903	500	4.5	$ 4,561	3.0	$ 1,520	$ 6,081
21123170	38402 N 5TH ST	1993	3851	1.0	DM_794	$ 367,344	500	5.1	$ 18,871	3.4	$ 6,290	$ 25,162
21123169	38414 N CENTRAL AVE	1996	4528	1.0	DM_34	$ 433,421	500	5.3	$ 22,856	3.5	$ 7,619	$ 30,475
21123078	315 E LAVITT LN	1994	4441	1.0	DM_904	$ 424,995	500	5.3	$ 22,552	3.5	$ 7,517	$ 30,069
21153068	35636 N CENTRAL AVE	1991	804	2.0	DM_2825	$ 50,588	500	5.7	$ 2,890	3.8	$ 963	$ 3,853
21153021Z	35203 N CENTRAL AVE	2006	2422	1.0	DM_2334	$ 227,808	500	6.3	$ 14,266	4.2	$ 4,755	$ 19,021
21153001F		1992	4399	1.0	DM_2752	$ 420,806	500	7.4	$ 31,151	4.9	$ 10,384	$ 41,534
21152047E	36010 N 10TH ST	1997	3176	0.0	DM_2209	$ 301,484	500	8.2	$ 24,603	5.4	$ 8,201	$ 32,804
21153001C	36003 N CENTRAL AVE	2002	4373	1.0	DM_3143	$ 418,333	500	8.8	$ 36,814	5.9	$ 12,271	$ 49,085
21120133E	38317 N 18TH ST	2007	4229	1.0	DM_1964	$ 404,238	500	9.7	$ 39,011	6.4	$ 13,004	$ 52,014
21174013	1039 E CAREFREE HWY	1997	11859	2.0	DM_3620	$ 973,813	500	10.0	$ 97,189	29.1	$ 283,737	$ 380,926
21152047F	36004 N 10TH ST	1997	2931	1.0	DM_2800	$ 277,521	500	10.2	$ 28,416	6.8	$ 9,472	$ 37,888
21152037A	35614 N 16TH ST	1987	2895	0.5	DM_3560	$ 273,980	500	10.7	$ 29,197	7.1	$ 9,732	$ 38,930
21168087	37436 N 14TH ST	1997	2693	1.5	DM_1810	$ 254,254	500	10.9	$ 27,598	7.2	$ 9,199	$ 36,797
21123058	38240 N 5TH ST	1993	4009	1.0	DM_564	$ 382,793	500	10.9	$ 41,575	7.2	$ 13,858	$ 55,434
21123138	232 E ADAMANDA DR	1994	4116	1.0	DM_661	$ 393,239	500	11.9	$ 46,633	7.9	$ 15,544	$ 62,177
21123271H	414 E TANYA RD	2003	1464	2.0	DM_388	$ 134,337	500	12.1	$ 16,214	8.0	$ 5,405	$ 21,619
21123063	515 E DESERT HILLS ESTAT	1993	897	1.0	DM_21	$ 78,924	500	12.8	$ 10,134	8.6	$ 3,378	$ 13,513
21153021Z	35203 N CENTRAL AVE	2006	8655	1.0	DM_2335	$ 836,310	500	12.8	$ 107,426	8.6	$ 35,809	$ 143,234
21152132A	35610 N 12TH ST	2002	5464	1.0	DM_2421	$ 524,862	500	13.1	$ 68,596	8.7	$ 22,865	$ 91,461
21152048N	35852 N 10TH ST	1988	3235	0.0	DM_2960	$ 307,193	500	14.1	$ 43,273	9.4	$ 14,424	$ 57,698
21152021X	35630 N 12TH ST	1996	3142	3.0	DM_3104	$ 210,359	500	14.1	$ 29,669	9.4	$ 9,890	$ 39,559
21123063	515 E DESERT HILLS ESTAT	1993	5017	1.0	DM_20	$ 481,187	500	14.5	$ 69,908	9.7	$ 23,303	$ 93,211
21153043D		2010	7261	1.0	DM_6008	$ 700,261	500	14.7	$ 103,013	9.8	$ 34,338	$ 137,351
21152081F	1147 E GALVIN ST	2001	3632	0.0	DM_3596	$ 345,973	500	15.2	$ 52,712	10.2	$ 17,571	$ 70,283
21153065G	35619 N CENTRAL AVE	1990	3579	1.0	DM_2994	$ 340,787	500	16.3	$ 55,471	10.9	$ 18,490	$ 73,961
21153065D	35625 N CENTRAL AVE	1990	2481	1.0	DM_2993	$ 233,566	500	17.7	$ 41,241	11.8	$ 13,747	$ 54,988
21168104C		1999	2532	1.0	DM_1670	$ 238,605	500	17.7	$ 42,283	11.8	$ 14,094	$ 56,377
21174007C	33950 N 14TH ST	2003	1545	3.0	DM_3963	$ 142,170	500	17.8	$ 25,291	11.9	$ 8,430	$ 33,721
21153033C	230 E LEISURE LN	1988	3005	0.0	DM_2483	$ 284,720	500	18.0	$ 51,261	12.0	$ 17,101	$ 68,362

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21123083	38001 N 3RD ST	1994	2652	0.0	DM_1579	$ 250,311	500	18.1	$ 45,320	12.3	$ 15,448	$ 60,768
21123150	38217 N 3RD ST	1994	4414	0.5	DM_678	$ 422,352	500	18.2	$ 76,786	12.6	$ 26,581	$ 103,367
21123060	510 E DESERT HILLS ESTAT	1994	2928	0.0	DM_567	$ 277,202	500	18.2	$ 50,511	12.7	$ 17,631	$ 68,142
21153074D	35848 N CENTRAL AVE	1997	3108	0.5	DM_2115	$ 294,853	500	18.3	$ 53,917	12.9	$ 19,062	$ 72,979
21123080	38043 N 3RD ST	1994	2972	0.0	DM_1054	$ 281,491	500	18.3	$ 51,514	13.0	$ 18,263	$ 69,777
21123153	38253 N 3RD ST	1994	3285	0.5	DM_800	$ 312,123	500	18.3	$ 57,243	13.1	$ 20,451	$ 77,694
21168071	825 E DOLORES RD	1992	1977	1.5	DM_1448	$ 184,426	500	18.5	$ 34,150	13.7	$ 12,615	$ 46,766
21123062	519 E DESERT HILLS ESTAT	1993	4526	0.5	DM_19	$ 433,223	500	18.5	$ 80,235	13.7	$ 29,658	$ 109,893
21149017M		2007	3932	1.0	DM_468	$ 375,226	500	18.6	$ 69,877	14.0	$ 26,310	$ 96,186
21123212	37802 N 4TH ST	1994	2781	0.0	DM_58	$ 262,876	500	18.6	$ 48,955	14.0	$ 18,434	$ 67,389
21153066D	217 E LEISURE LN	1993	2750	0.0	DM_2995	$ 259,828	500	18.7	$ 48,639	14.3	$ 18,629	$ 67,268
21152101A	35640 N 12TH ST	1989	2711	3.0	DM_2053	$ 256,011	500	18.8	$ 48,128	14.6	$ 18,686	$ 66,814
21153070C	35802 N CENTRAL AVE	1998	3142	1.0	DM_3019	$ 298,136	500	18.8	$ 56,187	14.8	$ 21,988	$ 78,175
21152052F		1989	4909	1.0	DM_2728	$ 470,683	500	18.9	$ 88,982	14.9	$ 35,161	$ 124,143
21123221	218 E JORDAN LN	1997	3912	0.0	DM_130	$ 373,329	500	19.0	$ 71,020	15.3	$ 28,609	$ 99,629
21153085	25 E GALVIN ST	2004	3866	2.0	DM_3178	$ 368,821	500	19.1	$ 70,557	15.7	$ 28,904	$ 99,461
21123149	38205 N 3RD ST	2006	7006	0.0	DM_192	$ 675,329	500	19.2	$ 129,902	16.0	$ 54,077	$ 183,979
21153033E	124 E LEISURE LN	1987	3740	0.0	DM_2485	$ 356,557	500	19.3	$ 68,879	16.3	$ 29,029	$ 97,908
21152012C	1227 E CLOUD RD	2003	1983	3.0	DM_3541	$ 131,120	500	19.4	$ 25,382	16.4	$ 10,761	$ 36,143
21149016C	715 E IRVINE RD	2006	5222	1.0	DM_397	$ 501,213	500	19.4	$ 97,259	16.6	$ 41,514	$ 138,774
21153001E	36023 N CENTRAL AVE	2001	2054	0.5	DM_3141	$ 191,890	500	19.5	$ 37,460	16.9	$ 16,258	$ 53,718
21123158	233 E IRVINE RD	1994	4288	0.5	DM_790	$ 410,000	500	19.7	$ 80,631	17.4	$ 35,700	$ 116,331
21149016D	729 E IRVINE RD	2006	6919	1.0	DM_398	$ 666,835	500	19.7	$ 131,218	17.5	$ 58,190	$ 189,408
21174004T	1235 E TUMBLEWEED DR	2002	5222	1.0	DM_3610	$ 501,183	500	19.7	$ 98,783	17.6	$ 43,997	$ 142,780
21168072	36470 N 10TH ST	1996	5756	0.5	DM_1002	$ 553,375	500	19.7	$ 109,181	17.6	$ 48,759	$ 157,940
21153001E	36023 N CENTRAL AVE	2001	3835	0.5	DM_3140	$ 365,779	500	19.7	$ 72,168	17.6	$ 32,230	$ 104,398
21123271J	505 E SPEER TR	2005	3956	0.5	DM_232	$ 377,558	500	19.7	$ 74,523	17.6	$ 33,318	$ 107,842
21152046H	911 W CLOUD RD	1988	3815	0.0	DM_2012	$ 363,876	500	19.8	$ 71,871	17.7	$ 32,189	$ 104,060
21123154	38401 N 3RD ST	1994	5102	0.5	DM_123	$ 489,525	500	19.8	$ 96,731	17.7	$ 43,374	$ 140,105
21123193	405 E BLUE EAGLE LN	1994	4907	0.5	DM_805	$ 470,476	500	19.8	$ 93,016	17.8	$ 41,765	$ 134,780
21123179	401 E DESERT RANCH RD	1994	2706	0.5	DM_42	$ 255,573	500	19.8	$ 50,572	17.8	$ 22,758	$ 73,330

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21152010J	35033 N 12TH ST	1996	2644	1.0	DM_3836	$ 249,519	500	19.8	$ 49,386	17.8	$ 22,239	$ 71,625
21153001D	141 E CLOUD RD	1996	5032	0.5	DM_2058	$ 482,684	500	20.0	$ 96,501	18.5	$ 44,591	$ 141,092
21174015	34308 N 12TH ST	2004	5367	1.0	DM_3973	$ 402,860	500	20.0	$ 80,595	65.2	$ 262,534	$ 343,129
21153066E	227 E LEISURE LN	1990	2830	0.0	DM_2317	$ 267,718	500	20.2	$ 53,957	19.0	$ 25,435	$ 79,392
21153033F	202 E LEISURE LN	1988	2941	0.0	DM_2831	$ 278,496	500	20.4	$ 56,735	19.7	$ 27,445	$ 84,180
21152069C	34808 N 16TH ST	2002	2317	0.5	DM_3591	$ 217,556	500	20.4	$ 44,339	19.7	$ 21,469	$ 65,807
21149028E	1150 E JOY RANCH RD	1992	1702	0.5	DM_394	$ 157,503	500	20.5	$ 32,220	20.0	$ 15,737	$ 47,957
21123157	38435 N 3RD ST	1994	4994	0.5	DM_126	$ 478,950	500	20.6	$ 98,814	20.6	$ 49,217	$ 148,030
21153058D		1942	2910	1.0	DM_4109	$ 275,516	500	20.7	$ 56,938	20.7	$ 28,467	$ 85,405
21153069D	35620 N CENTRAL AVE	1965	2606	0.5	DM_2676	$ 245,785	500	20.8	$ 51,161	21.2	$ 25,992	$ 77,153
21153004L	35034 N 3RD ST	1985	5954	0.0	DM_3168	$ 572,709	500	21.0	$ 120,501	21.9	$ 62,659	$ 183,160
21153082A	109 E GALVIN ST	2003	6007	3.0	DM_2532	$ 577,866	500	21.1	$ 121,840	22.0	$ 63,636	$ 185,476
21152025D	36007 N 12TH ST	1999	4049	3.0	DM_3408	$ 386,646	500	21.2	$ 81,866	22.3	$ 43,137	$ 125,003
21153046J	35307 N 1ST PL	2000	1188	3.0	DM_3032	$ 76,857	500	21.2	$ 16,283	22.4	$ 8,591	$ 24,875
21174038Y	1345 E PAINT YOUR WAGC	1988	2853	1.0	DM_3627	$ 269,935	500	21.3	$ 57,501	22.7	$ 30,679	$ 88,180
21152078A	34918 N 12TH ST	2002	235	2.0	DM_3846	$ 11,699	500	21.4	$ 2,499	22.9	$ 1,342	$ 3,841
21153070D	35812 N CENTRAL AVE	1998	2361	0.5	DM_2108	$ 221,887	500	21.4	$ 47,448	23.0	$ 25,514	$ 72,962
21149017G	38312 N 8TH PL	2005	4688	0.0	DM_203	$ 449,018	500	21.4	$ 96,063	23.0	$ 51,706	$ 147,769
21152113E		2006	4680	1.0	DM_3710	$ 448,272	500	21.6	$ 96,829	23.7	$ 53,125	$ 149,954
21152079D	34820 N 12TH ST	2004	4456	1.0	DM_3517	$ 426,379	500	21.7	$ 92,456	24.0	$ 51,108	$ 143,565
21168153	37512 N 16TH ST	2005	4654	0.5	DM_1211	$ 445,776	500	21.8	$ 97,307	24.4	$ 54,480	$ 151,787
21153046C	117 W GALVIN ST	2002	4176	1.0	DM_2884	$ 399,097	500	21.9	$ 87,515	24.8	$ 49,422	$ 136,936
21174008J	33839 N 12TH ST	1983	2391	0.5	DM_3381	$ 224,775	500	22.0	$ 49,544	25.1	$ 28,253	$ 77,798
21168043Z	901 E DOLORES RD	1995	2962	0.0	DM_1608	$ 280,591	500	22.1	$ 61,899	25.2	$ 35,355	$ 97,253
21152127D	35120 N 12TH ST	2001	4558	4.0	DM_3603	$ 436,328	500	22.1	$ 96,304	25.2	$ 55,060	$ 151,364
21174007E		2007	2783	1.0	DM_3730	$ 263,102	500	22.1	$ 58,259	25.5	$ 33,516	$ 91,775
21168048B	36420 N 12TH ST	1984	1664	0.0	DM_1705	$ 153,788	500	22.2	$ 34,102	25.6	$ 19,671	$ 53,773
21120142	37841 N 16TH ST	2004	6611	1.0	DM_1652	$ 636,790	500	22.3	$ 142,083	26.0	$ 82,914	$ 224,997
21174012F	34406 N 12TH ST	1943	3913	0.5	DM_3682	$ 373,366	500	22.5	$ 83,848	26.5	$ 49,517	$ 133,365
21168059F		1982	4157	0.5	DM_1481	$ 397,229	500	22.5	$ 89,282	26.6	$ 52,805	$ 142,087
21153070B	35810 N CENTRAL AVE	1997	4073	0.5	DM_2530	$ 389,053	500	22.5	$ 87,467	26.6	$ 51,757	$ 139,223

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21168056G	36735 N 12TH ST	1995	2859	0.0	DM_968	$ 270,526	500	22.7	$ 61,518	27.5	$ 37,153	$ 98,671
21168053F	37220 N 14TH ST	1993	2691	1.0	DM_1664	$ 254,113	500	23.0	$ 58,349	28.2	$ 35,839	$ 94,188
21153034C	216 E GALVIN ST	1988	3528	1.0	DM_2087	$ 335,820	500	23.1	$ 77,707	28.8	$ 48,356	$ 126,064
21120057J	1735 E TAMAR RD	1988	2277	1.0	DM_884	$ 213,689	500	23.2	$ 49,481	28.9	$ 30,827	$ 80,309
21153074A	35836 N CENTRAL AVE	1997	2436	0.5	DM_2111	$ 229,206	500	23.2	$ 53,102	28.9	$ 33,112	$ 86,214
21168065D	1430 E CLOUD RD	1986	3361	1.0	DM_1762	$ 319,511	500	23.3	$ 74,304	29.2	$ 46,624	$ 120,928
21153035D	35415 N CENTRAL AVE	1980	3943	0.5	DM_3011	$ 376,310	500	23.5	$ 88,351	29.9	$ 56,311	$ 144,662
21152056A	34803 N 7TH ST	2001	1699	3.0	DM_2414	$ 111,711	500	23.5	$ 26,243	30.0	$ 16,741	$ 42,984
21168160		1998	2689	0.5	DM_1479	$ 253,859	500	23.7	$ 60,046	30.5	$ 38,728	$ 98,775
21153074C	35842 N CENTRAL AVE	1996	2161	0.5	DM_3157	$ 202,308	500	23.7	$ 47,968	30.7	$ 31,055	$ 79,023
21168052G	37321 N 13TH PL	2005	4628	0.0	DM_1811	$ 443,158	500	23.9	$ 105,723	31.2	$ 69,108	$ 174,831
21168056F	36601 N 12TH ST	1993	3501	0.5	DM_1434	$ 333,176	500	24.0	$ 79,835	31.5	$ 52,541	$ 132,375
21153070A	35814 N CENTRAL AVE	1998	3865	0.5	DM_2857	$ 368,712	500	24.1	$ 88,690	31.8	$ 58,712	$ 147,402
21168093	814 E CLOUD RD	2004	3504	0.5	DM_1617	$ 333,462	500	24.2	$ 80,761	32.4	$ 54,015	$ 134,775
21168043M	902 E CLOUD RD	1984	3200	0.5	DM_1427	$ 303,776	500	24.3	$ 73,808	32.7	$ 49,601	$ 123,409
21152030D	35845 N 12TH ST	1998	2522	2.0	DM_3892	$ 167,943	500	24.3	$ 40,811	32.7	$ 27,432	$ 68,243
21152137	34907 N 12TH ST	2006	4430	3.0	DM_3913	$ 423,887	500	24.4	$ 103,306	32.9	$ 69,738	$ 173,044
21174008P		1996	1385	2.0	DM_3685	$ 90,256	500	24.6	$ 22,220	33.7	$ 15,221	$ 37,441
21152018E	36040 N 12TH ST	1988	3668	0.0	DM_2788	$ 349,522	500	24.6	$ 86,157	33.8	$ 59,127	$ 145,284
21153034A	118 E GALVIN ST	1987	2075	1.0	DM_2296	$ 193,960	500	24.8	$ 48,190	34.5	$ 33,442	$ 81,632
21153047B		1976	1557	1.0	DM_3030	$ 143,430	500	24.9	$ 35,701	34.6	$ 24,839	$ 60,540
21153034D	230 W GALVIN ST	1988	2960	0.0	DM_2847	$ 280,380	500	25.0	$ 70,068	35.0	$ 49,022	$ 119,090
21153004D	35116 N 3RD ST	1984	3150	0.5	DM_2285	$ 298,910	500	25.1	$ 75,049	35.0	$ 52,363	$ 127,412
21168043N	836 E CLOUD RD	1987	2605	1.0	DM_1428	$ 245,727	500	25.1	$ 61,746	35.0	$ 43,055	$ 104,800
21168057B	36445 N 12TH ST	1992	3381	0.5	DM_970	$ 321,468	500	25.3	$ 81,482	35.1	$ 56,443	$ 137,925
21152030D	35845 N 12TH ST	1998	2619	2.0	DM_3893	$ 174,578	500	25.6	$ 44,774	35.2	$ 30,739	$ 75,513
21174010A	33840 N 14TH ST	1975	1640	2.0	DM_3387	$ 107,728	500	25.8	$ 27,791	35.3	$ 18,996	$ 46,786
21168052H	37315 N 13TH PL	2005	4437	1.0	DM_1188	$ 424,589	500	26.1	$ 110,610	35.4	$ 75,047	$ 185,656
21152018F	36026 N 12TH ST	1993	3202	1.0	DM_3113	$ 303,966	500	26.2	$ 79,727	35.4	$ 53,817	$ 133,544
21174004V	1217 E TUMBLEWEED DR	2004	8424	0.5	DM_3869	$ 813,843	500	26.6	$ 216,583	35.5	$ 144,610	$ 361,193
21153074C	35842 N CENTRAL AVE	1996	1634	0.0	DM_4082	$ -	500	26.7	$ 43,010	35.6	$ 28,674	$ 71,684

Hazus Summary Table
Desert Hills Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21152132A	35610 N 12TH ST	2002	3311	0.0	DM_2419	$ 314,615	500	27.5	$ 86,492	35.8	$ 56,364	$ 142,856
21174008F	33908 N 13TH ST	1997	3760	1.0	DM_3960	$ 358,479	500	27.5	$ 98,570	35.8	$ 64,226	$ 162,796
21168052E	37314 N 13TH PL	2005	3715	1.0	DM_1186	$ 354,060	500	27.5	$ 97,472	35.8	$ 63,453	$ 160,925
21168057A	36551 N 12TH ST	1987	2610	1.0	DM_1438	$ 246,191	500	27.6	$ 67,838	35.9	$ 44,132	$ 111,970
21152030C	35845 N 12TH ST	1989	4521	1.0	DM_3304	$ 432,796	500	28.0	$ 121,100	36.0	$ 77,890	$ 198,990
21120142	37841 N 16TH ST	2004	2830	1.0	DM_1651	$ 267,707	500	28.3	$ 75,638	36.3	$ 48,527	$ 124,165
21152051F	35906 N 12TH ST	1999	5340	3.0	DM_2806	$ 360,483	500	28.5	$ 102,716	36.5	$ 65,777	$ 168,493
21152009Z	35615 N 12TH ST	1987	3877	0.5	DM_3811	$ 369,892	500	28.6	$ 105,820	36.6	$ 67,706	$ 173,526
21174007G	34013 N 13TH PL	2006	3185	1.0	DM_3642	$ 302,320	500	28.7	$ 86,651	36.7	$ 55,418	$ 142,069
21152025E	36321 N 12TH ST	1945	2332	0.5	DM_3820	$ 219,055	500	28.7	$ 62,953	36.7	$ 40,239	$ 103,191
21152030B	35837 N 12TH ST	1993	4772	1.5	DM_3474	$ 457,285	500	28.8	$ 131,501	36.8	$ 84,042	$ 215,543
21152031C	35819 N 12TH ST	1990	2641	1.0	DM_3501	$ 249,207	500	29.1	$ 72,427	37.1	$ 46,182	$ 118,609
21152046G	831 E CLOUD RD	1988	4708	0.0	DM_2314	$ 450,985	500	30.3	$ 136,549	38.8	$ 87,567	$ 224,117
21152133	34931 N 12TH ST	2007	4396	3.0	DM_3847	$ 420,568	500	30.4	$ 128,034	39.3	$ 82,703	$ 210,736
								Total	**$ 9,257,479**		**$ 5,331,074**	**$ 14,588,553**

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21174015	34308 N 12TH ST	2004	5366.6	1.0	DM_3973	$ 402,860	5	10.9	$ 43,847	42.5	$ 171,081	$ 214,928
21153070B	35810 N CENTRAL AVE	1997	4073.3	0.5	DM_2530	$ 389,053	5	18.0	$ 70,058	12.0	$ 23,390	$ 93,448
21123063	515 E DESERT HILLS ESTA	1993	896.7	1.0	DM_21	$ 78,924	5	18.1	$ 14,268	12.3	$ 4,835	$ 19,103
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	5	18.1	$ 16,321	12.3	$ 5,538	$ 21,859
21123063	515 E DESERT HILLS ESTA	1993	5017.0	1.0	DM_20	$ 481,187	5	18.4	$ 88,409	13.2	$ 31,788	$ 120,197
21153034C	216 E GALVIN ST	1988	3528.1	1.0	DM_2087	$ 335,820	5	18.5	$ 61,977	13.5	$ 22,635	$ 84,613
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	5	18.5	$ 29,865	13.7	$ 11,031	$ 40,896
21153085	25 E GALVIN ST	2004	3866.1	2.0	DM_3178	$ 368,821	5	18.5	$ 68,338	13.7	$ 25,299	$ 93,637
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	5	18.6	$ 29,339	14.0	$ 11,056	$ 40,395
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	5	18.6	$ 66,840	14.1	$ 25,269	$ 92,109
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	5	18.7	$ 42,749	14.1	$ 16,177	$ 58,926
21149016C	715 E IRVINE RD	2006	5222.2	1.0	DM_397	$ 501,213	5	18.9	$ 94,954	15.1	$ 37,768	$ 132,722
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	5	19.0	$ 126,995	15.4	$ 51,328	$ 178,323
21149017M		2007	3931.7	1.0	DM_468	$ 375,226	5	19.3	$ 72,249	16.1	$ 30,165	$ 102,414
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	5	19.4	$ 39,219	16.5	$ 16,694	$ 55,913
21174004V	1217 E TUMBLEWEED DR	2004	8424.4	0.5	DM_3869	$ 813,843	5	19.5	$ 158,707	16.9	$ 68,681	$ 227,388
21153035C	35507 N CENTRAL AVE	2002	1555.1	2.0	DM_2488	$ 101,903	5	19.7	$ 20,036	17.4	$ 8,866	$ 28,902
21174010A	33840 N 14TH ST	1975	1640.3	2.0	DM_3387	$ 107,728	5	19.8	$ 21,280	17.7	$ 9,534	$ 30,814
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	5	19.9	$ 52,429	18.3	$ 24,026	$ 76,455
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	5	20.1	$ 74,169	18.9	$ 34,799	$ 108,968
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	5	20.4	$ 64,086	19.7	$ 30,992	$ 95,077
21174007G	34013 N 13TH PL	2006	3184.9	1.0	DM_3642	$ 302,320	5	20.4	$ 61,667	19.8	$ 29,920	$ 91,587
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	5	20.6	$ 29,486	20.3	$ 14,567	$ 44,053
21152021X	35630 N 12TH ST	1996	3142.5	3.0	DM_3104	$ 210,359	5	20.7	$ 43,521	20.7	$ 21,813	$ 65,334
21168065D	1430 E CLOUD RD	1986	3361.0	1.0	DM_1762	$ 319,511	5	20.7	$ 66,197	20.8	$ 33,284	$ 99,481
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	5	21.3	$ 41,403	22.9	$ 22,184	$ 63,588
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	5	21.6	$ 28,307	23.7	$ 15,514	$ 43,821
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	5	22.0	$ 51,916	25.0	$ 29,521	$ 81,437
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	5	22.4	$ 57,402	26.4	$ 33,801	$ 91,204
21152025E	36321 N 12TH ST	1945	2332.1	0.5	DM_3820	$ 219,055	5	22.5	$ 49,237	26.6	$ 29,124	$ 78,361
21152009Z	35615 N 12TH ST	1987	3877.1	0.5	DM_3811	$ 369,892	5	22.5	$ 83,157	26.6	$ 49,205	$ 132,363

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	5	23.0	$ 69,880	28.3	$ 43,009	$ 112,889
21152051F	35906 N 12TH ST	1999	5339.7	3.0	DM_2806	$ 360,483	5	23.1	$ 83,323	28.7	$ 51,756	$ 135,079
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	5	23.5	$ 18,073	30.0	$ 11,547	$ 29,620
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	5	23.6	$ 150,028	30.2	$ 96,156	$ 246,184
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	5	23.6	$ 99,094	30.2	$ 63,519	$ 162,613
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	5	23.6	$ 63,164	30.3	$ 40,578	$ 103,742
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	5	23.7	$ 136,751	30.5	$ 88,267	$ 225,018
21152137	34907 N 12TH ST	2006	4430.1	3.0	DM_3913	$ 423,887	5	24.2	$ 102,442	32.2	$ 68,297	$ 170,739
21152025D	36007 N 12TH ST	1999	4048.7	3.0	DM_3408	$ 386,646	5	24.2	$ 93,590	32.4	$ 62,544	$ 156,135
21152030D	35845 N 12TH ST	1998	2521.6	2.0	DM_3892	$ 167,943	5	24.4	$ 40,981	33.0	$ 27,715	$ 68,696
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	5	25.2	$ 109,182	35.1	$ 75,903	$ 185,085
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	5	25.6	$ 44,630	35.2	$ 30,715	$ 75,345
21152030B	35837 N 12TH ST	1993	4772.2	1.5	DM_3474	$ 457,285	5	26.6	$ 121,514	35.5	$ 81,224	$ 202,738
21152031C	35819 N 12TH ST	1990	2640.9	1.0	DM_3501	$ 249,207	5	26.8	$ 66,837	35.6	$ 44,367	$ 111,204
								Total	**$ 2,967,919**		**$ 1,725,481**	**$ 4,693,400**
21174015	34308 N 12TH ST	2004	5366.6	1.0	DM_3973	$ 402,860	10	12.2	$ 49,173	47.5	$ 191,450	$ 240,623
21123063	515 E DESERT HILLS ESTA	1993	896.7	1.0	DM_21	$ 78,924	10	18.1	$ 14,296	12.4	$ 4,881	$ 19,176
21123063	515 E DESERT HILLS ESTA	1993	5017.0	1.0	DM_20	$ 481,187	10	18.4	$ 88,573	13.3	$ 32,055	$ 120,629
21153070C	35802 N CENTRAL AVE	1998	3142.1	1.0	DM_3019	$ 298,136	10	18.5	$ 55,056	13.5	$ 20,150	$ 75,206
21153068	35636 N CENTRAL AVE	1991	804.0	2.0	DM_2825	$ 50,588	10	18.5	$ 9,352	13.6	$ 3,436	$ 12,788
21153070B	35810 N CENTRAL AVE	1997	4073.3	0.5	DM_2530	$ 389,053	10	18.7	$ 72,813	14.3	$ 27,866	$ 100,678
21152078A	34918 N 12TH ST	2002	234.8	2.0	DM_3846	$ 11,699	10	18.7	$ 2,192	14.4	$ 842	$ 3,034
21149016C	715 E IRVINE RD	2006	5222.2	1.0	DM_397	$ 501,213	10	19.0	$ 95,101	15.2	$ 38,007	$ 133,107
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	10	19.1	$ 127,200	15.5	$ 51,661	$ 178,861
21174012F	34406 N 12TH ST	1943	3912.6	0.5	DM_3682	$ 373,366	10	19.1	$ 71,302	15.6	$ 29,059	$ 100,361
21149017M		2007	3931.7	1.0	DM_468	$ 375,226	10	19.3	$ 72,337	16.2	$ 30,308	$ 102,645
21153085	25 E GALVIN ST	2004	3866.1	2.0	DM_3178	$ 368,821	10	19.5	$ 71,839	16.8	$ 30,988	$ 102,827
21153034C	216 E GALVIN ST	1988	3528.1	1.0	DM_2087	$ 335,820	10	19.5	$ 65,532	16.9	$ 28,412	$ 93,944
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	10	19.6	$ 17,716	17.3	$ 7,804	$ 25,519
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	10	19.6	$ 31,678	17.3	$ 13,977	$ 45,655

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	10	19.8	$ 45,297	17.7	$ 20,318	$ 65,615
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	10	20.1	$ 72,000	18.8	$ 33,654	$ 105,655
21153035C	35507 N CENTRAL AVE	2002	1555.1	2.0	DM_2488	$ 101,903	10	20.3	$ 20,693	19.5	$ 9,934	$ 30,627
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	10	20.5	$ 41,433	20.1	$ 20,291	$ 61,724
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	10	20.6	$ 32,450	20.5	$ 16,112	$ 48,563
21174004V	1217 E TUMBLEWEED DR	2004	8424.4	0.5	DM_3869	$ 813,843	10	20.7	$ 168,793	20.9	$ 85,070	$ 253,863
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	10	20.8	$ 76,713	21.1	$ 38,933	$ 115,646
21174010A	33840 N 14TH ST	1975	1640.3	2.0	DM_3387	$ 107,728	10	21.3	$ 22,907	22.6	$ 12,178	$ 35,085
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	10	21.3	$ 56,104	22.8	$ 29,998	$ 86,103
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	10	21.5	$ 67,539	23.3	$ 36,603	$ 104,143
21152021X	35630 N 12TH ST	1996	3142.5	3.0	DM_3104	$ 210,359	10	21.6	$ 45,495	23.8	$ 25,021	$ 70,516
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	10	21.7	$ 31,061	23.9	$ 17,126	$ 48,187
21174007G	34013 N 13TH PL	2006	3184.9	1.0	DM_3642	$ 302,320	10	21.9	$ 66,094	24.6	$ 37,114	$ 103,208
21168065D	1430 E CLOUD RD	1986	3361.0	1.0	DM_1762	$ 319,511	10	21.9	$ 69,921	24.6	$ 39,336	$ 109,257
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	10	22.2	$ 43,047	25.6	$ 24,871	$ 67,918
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	10	22.5	$ 29,562	26.8	$ 17,582	$ 47,144
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	10	22.8	$ 53,688	27.5	$ 32,474	$ 86,162
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	10	23.1	$ 59,078	28.6	$ 36,594	$ 95,672
21152025E	36321 N 12TH ST	1945	2332.1	0.5	DM_3820	$ 219,055	10	23.2	$ 50,764	28.9	$ 31,668	$ 82,432
21152009Z	35615 N 12TH ST	1987	3877.1	0.5	DM_3811	$ 369,892	10	23.2	$ 85,873	29.1	$ 53,732	$ 139,605
21152051F	35906 N 12TH ST	1999	5339.7	3.0	DM_2806	$ 360,483	10	23.6	$ 85,058	30.3	$ 54,647	$ 139,705
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	10	23.6	$ 71,730	30.3	$ 46,092	$ 117,823
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	10	24.3	$ 18,693	32.7	$ 12,581	$ 31,274
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	10	24.4	$ 102,453	32.9	$ 69,118	$ 171,570
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	10	24.4	$ 141,138	33.1	$ 95,578	$ 236,716
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	10	24.5	$ 156,126	33.4	$ 106,320	$ 262,446
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	10	24.5	$ 65,700	33.5	$ 44,805	$ 110,505
21152025D	36007 N 12TH ST	1999	4048.7	3.0	DM_3408	$ 386,646	10	24.8	$ 95,887	34.3	$ 66,372	$ 162,259
21152030D	35845 N 12TH ST	1998	2521.6	2.0	DM_3892	$ 167,943	10	24.9	$ 41,874	34.8	$ 29,204	$ 71,079
21152137	34907 N 12TH ST	2006	4430.1	3.0	DM_3913	$ 423,887	10	25.0	$ 105,984	35.0	$ 74,182	$ 180,166
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	10	25.7	$ 111,344	35.2	$ 76,263	$ 187,607

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	10	26.1	$ 45,631	35.4	$ 30,882	$ 76,513
21152030B	35837 N 12TH ST	1993	4772.2	1.5	DM_3474	$ 457,285	10	27.0	$ 123,624	35.7	$ 81,575	$ 205,199
21152031C	35819 N 12TH ST	1990	2640.9	1.0	DM_3501	$ 249,207	10	27.3	$ 68,153	35.8	$ 44,586	$ 112,739
								Total	**$ 3,216,070**		**$ 1,961,712**	**$ 5,177,782**
21174015	34308 N 12TH ST	2004	5366.6	1.0	DM_3973	$ 402,860	25	13.6	$ 54,949	52.9	$ 213,108	$ 268,056
21123193	405 E BLUE EAGLE LN	1994	4907.3	0.5	DM_805	$ 470,476	25	18.1	$ 85,232	12.4	$ 29,117	$ 114,349
21123179	401 E DESERT RANCH RD	1994	2706.1	0.5	DM_42	$ 255,573	25	18.2	$ 46,495	12.6	$ 16,133	$ 62,628
21153043A	35915 N CENTRAL AVE	2003	6655.7	1.0	DM_2508	$ 641,167	25	18.2	$ 116,719	12.7	$ 40,597	$ 157,315
21149077	710 E DESERT RANCH RD	2004	4219.8	1.5	DM_225	$ 403,349	25	18.3	$ 73,613	12.8	$ 25,843	$ 99,456
21152127D	35120 N 12TH ST	2001	4557.6	4.0	DM_3603	$ 436,328	25	18.4	$ 80,096	13.2	$ 28,710	$ 108,807
21123058	38240 N 5TH ST	1993	4009.2	1.0	DM_564	$ 382,793	25	18.4	$ 70,383	13.3	$ 25,373	$ 95,756
21123173	509 E AMANANDA DR	1994	5161.9	2.0	DM_128	$ 495,325	25	18.4	$ 91,192	13.3	$ 33,025	$ 124,217
21123138	232 E ADAMANDA DR	1994	4116.2	1.0	DM_661	$ 393,239	25	18.4	$ 72,498	13.4	$ 26,381	$ 98,878
21152018E	36040 N 12TH ST	1988	3668.4	0.0	DM_2788	$ 349,522	25	18.5	$ 64,767	13.7	$ 23,983	$ 88,751
21168057A	36551 N 12TH ST	1987	2610.0	1.0	DM_1438	$ 246,191	25	18.6	$ 45,862	14.0	$ 17,286	$ 63,147
21120057J	1735 E TAMAR RD	1988	2277.1	1.0	DM_884	$ 213,689	25	18.8	$ 40,126	14.5	$ 15,522	$ 55,648
21152113E		2006	4679.9	1.0	DM_3710	$ 448,272	25	18.8	$ 84,228	14.6	$ 32,648	$ 116,876
21149017G	38312 N 8TH PL	2005	4687.5	0.0	DM_203	$ 449,018	25	18.8	$ 84,428	14.6	$ 32,798	$ 117,226
21152046G	831 E CLOUD RD	1988	4707.7	0.0	DM_2314	$ 450,985	25	18.8	$ 84,806	14.6	$ 32,956	$ 117,763
21153004D	35116 N 3RD ST	1984	3150.0	0.5	DM_2285	$ 298,910	25	18.8	$ 56,221	14.6	$ 21,862	$ 78,083
21123271J	505 E SPEER TR	2005	3955.6	0.5	DM_232	$ 377,558	25	18.8	$ 71,056	14.7	$ 27,683	$ 98,739
21153046C	117 W GALVIN ST	2002	4176.2	1.0	DM_2884	$ 399,097	25	18.8	$ 75,129	14.7	$ 29,294	$ 104,423
21123063	515 E DESERT HILLS ESTA	1993	896.7	1.0	DM_21	$ 78,924	25	18.9	$ 14,897	14.8	$ 5,858	$ 20,754
21153068	35636 N CENTRAL AVE	1991	804.0	2.0	DM_2825	$ 50,588	25	19.0	$ 9,617	15.3	$ 3,867	$ 13,484
21153034D	230 W GALVIN ST	1988	2960.2	0.0	DM_2847	$ 280,380	25	19.0	$ 53,317	15.3	$ 21,452	$ 74,770
21153070C	35802 N CENTRAL AVE	1998	3142.1	1.0	DM_3019	$ 298,136	25	19.0	$ 56,774	15.4	$ 22,941	$ 79,715
21168053F	37220 N 14TH ST	1993	2691.1	1.0	DM_1664	$ 254,113	25	19.2	$ 48,711	15.8	$ 20,074	$ 68,784
21123063	515 E DESERT HILLS ESTA	1993	5017.0	1.0	DM_20	$ 481,187	25	19.2	$ 92,311	15.8	$ 38,130	$ 130,441
21153070B	35810 N CENTRAL AVE	1997	4073.3	0.5	DM_2530	$ 389,053	25	19.4	$ 75,297	16.4	$ 31,903	$ 107,201
21168052H	37315 N 13TH PL	2005	4437.3	1.0	DM_1188	$ 424,589	25	19.6	$ 83,241	17.2	$ 36,549	$ 119,790

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21149017M		2007	3931.7	1.0	DM_468	$ 375,226	25	20.2	$ 75,628	19.0	$ 35,655	$ 111,283
21149016C	715 E IRVINE RD	2006	5222.2	1.0	DM_397	$ 501,213	25	20.3	$ 101,569	19.4	$ 48,518	$ 150,087
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	25	20.4	$ 46,832	19.9	$ 22,811	$ 69,643
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	25	20.4	$ 136,281	19.9	$ 66,418	$ 202,699
21153085	25 E GALVIN ST	2004	3866.1	2.0	DM_3178	$ 368,821	25	20.5	$ 75,466	20.0	$ 36,881	$ 112,348
21174012F	34406 N 12TH ST	1943	3912.6	0.5	DM_3682	$ 373,366	25	20.6	$ 76,766	20.3	$ 37,937	$ 114,703
21153034C	216 E GALVIN ST	1988	3528.1	1.0	DM_2087	$ 335,820	25	20.6	$ 69,223	20.5	$ 34,410	$ 103,633
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	25	20.8	$ 33,603	21.2	$ 17,105	$ 50,708
21153035C	35507 N CENTRAL AVE	2002	1555.1	2.0	DM_2488	$ 101,903	25	21.0	$ 21,369	21.7	$ 11,032	$ 32,401
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	25	21.1	$ 42,784	22.2	$ 22,487	$ 65,271
21152078A	34918 N 12TH ST	2002	234.8	2.0	DM_3846	$ 11,699	25	21.2	$ 2,485	22.5	$ 1,317	$ 3,802
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	25	21.3	$ 33,549	22.7	$ 17,898	$ 51,448
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	25	21.4	$ 79,062	23.2	$ 42,751	$ 121,813
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	25	21.5	$ 19,371	23.3	$ 10,493	$ 29,865
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	25	21.8	$ 78,139	24.3	$ 43,629	$ 121,768
21174004V	1217 E TUMBLEWEED DR	2004	8424.4	0.5	DM_3869	$ 813,843	25	22.1	$ 179,898	25.3	$ 103,151	$ 283,049
21152021X	35630 N 12TH ST	1996	3142.5	3.0	DM_3104	$ 210,359	25	22.5	$ 47,361	26.7	$ 28,099	$ 75,460
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	25	22.5	$ 70,872	26.8	$ 42,088	$ 112,960
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	25	22.6	$ 32,416	27.0	$ 19,364	$ 51,779
21168065D	1430 E CLOUD RD	1986	3361.0	1.0	DM_1762	$ 319,511	25	22.7	$ 72,605	27.4	$ 43,792	$ 116,397
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	25	22.7	$ 59,800	27.4	$ 36,083	$ 95,883
21174010A	33840 N 14TH ST	1975	1640.3	2.0	DM_3387	$ 107,728	25	22.8	$ 24,569	27.7	$ 14,914	$ 39,483
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	25	22.9	$ 44,421	28.0	$ 27,161	$ 71,582
21174007G	34013 N 13TH PL	2006	3184.9	1.0	DM_3642	$ 302,320	25	23.2	$ 70,165	29.0	$ 43,881	$ 114,046
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	25	23.5	$ 30,749	29.8	$ 19,561	$ 50,310
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	25	23.5	$ 55,525	30.1	$ 35,537	$ 91,061
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	25	23.8	$ 60,972	31.1	$ 39,750	$ 100,722
21152025E	36321 N 12TH ST	1945	2332.1	0.5	DM_3820	$ 219,055	25	23.9	$ 52,413	31.4	$ 34,417	$ 86,831
21152009Z	35615 N 12TH ST	1987	3877.1	0.5	DM_3811	$ 369,892	25	24.0	$ 88,935	31.8	$ 58,834	$ 147,769
21152051F	35906 N 12TH ST	1999	5339.7	3.0	DM_2806	$ 360,483	25	24.1	$ 87,034	32.1	$ 57,940	$ 144,975
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	25	24.3	$ 73,759	32.6	$ 49,472	$ 123,231

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	25	25.2	$ 19,338	35.1	$ 13,471	$ 32,809
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	25	25.2	$ 145,687	35.1	$ 101,330	$ 247,017
21152025D	36007 N 12TH ST	1999	4048.7	3.0	DM_3408	$ 386,646	25	25.5	$ 98,411	35.2	$ 67,955	$ 166,366
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	25	25.5	$ 162,397	35.2	$ 111,972	$ 274,369
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	25	25.5	$ 68,314	35.2	$ 47,080	$ 115,394
21152030D	35845 N 12TH ST	1998	2521.6	2.0	DM_3892	$ 167,943	25	25.5	$ 42,869	35.2	$ 29,537	$ 72,407
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	25	26.2	$ 110,334	35.4	$ 74,465	$ 184,799
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	25	26.3	$ 113,770	35.4	$ 76,668	$ 190,438
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	25	26.8	$ 46,736	35.6	$ 31,066	$ 77,802
21152137	34907 N 12TH ST	2006	4430.1	3.0	DM_3913	$ 423,887	25	27.2	$ 115,272	35.7	$ 75,730	$ 191,002
21152030B	35837 N 12TH ST	1993	4772.2	1.5	DM_3474	$ 457,285	25	27.6	$ 126,027	35.9	$ 81,976	$ 208,003
21152031C	35819 N 12TH ST	1990	2640.9	1.0	DM_3501	$ 249,207	25	27.9	$ 69,647	36.0	$ 44,835	$ 114,482
								Total	**$ 4,794,388**		**$ 2,712,566**	**$ 7,506,954**
21174015	34308 N 12TH ST	2004	5366.6	1.0	DM_3973	$ 402,860	50	15.9	$ 63,923	59.5	$ 239,773	$ 303,695
21152069C	34808 N 16TH ST	2002	2316.7	0.5	DM_3591	$ 217,556	50	18.0	$ 39,188	12.0	$ 13,098	$ 52,286
21123157	38435 N 3RD ST	1994	4994.1	0.5	DM_126	$ 478,950	50	18.1	$ 86,821	12.4	$ 29,729	$ 116,550
21168057B	36445 N 12TH ST	1992	3381.1	0.5	DM_970	$ 321,468	50	18.2	$ 58,448	12.6	$ 20,237	$ 78,685
21152079D	34820 N 12TH ST	2004	4455.7	1.0	DM_3517	$ 426,379	50	18.2	$ 77,539	12.6	$ 26,868	$ 104,408
21152056A	34803 N 7TH ST	2001	1698.6	3.0	DM_2414	$ 111,711	50	18.3	$ 20,398	12.8	$ 7,173	$ 27,571
21152037A	35614 N 16TH ST	1987	2894.6	0.5	DM_3560	$ 273,980	50	18.3	$ 50,169	13.0	$ 17,824	$ 67,992
21123193	405 E BLUE EAGLE LN	1994	4907.3	0.5	DM_805	$ 470,476	50	18.5	$ 86,841	13.5	$ 31,730	$ 118,571
21123179	401 E DESERT RANCH RD	1994	2706.1	0.5	DM_42	$ 255,573	50	18.5	$ 47,350	13.7	$ 17,522	$ 64,872
21153070D	35812 N CENTRAL AVE	1998	2361.1	0.5	DM_2108	$ 221,887	50	18.6	$ 41,169	13.8	$ 15,311	$ 56,481
21149077	710 E DESERT RANCH RD	2004	4219.8	1.5	DM_225	$ 403,349	50	18.6	$ 75,025	14.0	$ 28,137	$ 103,163
21153043D		2010	7261.0	1.0	DM_6008	$ 700,261	50	18.6	$ 130,574	14.1	$ 49,372	$ 179,946
21123058	38240 N 5TH ST	1993	4009.2	1.0	DM_564	$ 382,793	50	18.8	$ 71,858	14.5	$ 27,770	$ 99,627
21123138	232 E ADAMANDA DR	1994	4116.2	1.0	DM_661	$ 393,239	50	18.8	$ 74,089	14.7	$ 28,967	$ 103,057
21153033E	124 E LEISURE LN	1987	3740.5	0.0	DM_2485	$ 356,557	50	18.8	$ 67,194	14.7	$ 26,291	$ 93,485
21123173	509 E AMANANDA DR	1994	5161.9	2.0	DM_128	$ 495,325	50	18.9	$ 93,747	15.0	$ 37,175	$ 130,922
21153043A	35915 N CENTRAL AVE	2003	6655.7	1.0	DM_2508	$ 641,167	50	19.1	$ 122,482	15.6	$ 49,962	$ 172,445

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153058D		1942	2910.4	1.0	DM_4109	$ 275,516	50	19.2	$ 52,773	15.8	$ 21,699	$ 74,472
21153035D	35415 N CENTRAL AVE	1980	3942.8	0.5	DM_3011	$ 376,310	50	19.2	$ 72,177	15.8	$ 29,795	$ 101,972
21123063	515 E DESERT HILLS ESTA	1993	896.7	1.0	DM_21	$ 78,924	50	19.3	$ 15,218	16.2	$ 6,380	$ 21,598
21149017G	38312 N 8TH PL	2005	4687.5	0.0	DM_203	$ 449,018	50	19.4	$ 86,984	16.5	$ 36,952	$ 123,937
21123063	515 E DESERT HILLS ESTA	1993	5017.0	1.0	DM_20	$ 481,187	50	19.6	$ 94,355	17.2	$ 41,452	$ 135,807
21153070C	35802 N CENTRAL AVE	1998	3142.1	1.0	DM_3019	$ 298,136	50	19.9	$ 59,372	18.2	$ 27,164	$ 86,536
21152127D	35120 N 12TH ST	2001	4557.6	4.0	DM_3603	$ 436,328	50	20.0	$ 87,131	18.4	$ 40,142	$ 127,274
21153068	35636 N CENTRAL AVE	1991	804.0	2.0	DM_2825	$ 50,588	50	20.0	$ 10,118	18.5	$ 4,679	$ 14,797
21168052E	37314 N 13TH PL	2005	3714.9	1.0	DM_1186	$ 354,060	50	20.0	$ 70,893	18.6	$ 32,883	$ 103,776
21153070B	35810 N CENTRAL AVE	1997	4073.3	0.5	DM_2530	$ 389,053	50	20.1	$ 78,308	18.9	$ 36,796	$ 115,105
21152018E	36040 N 12TH ST	1988	3668.4	0.0	DM_2788	$ 349,522	50	20.2	$ 70,555	19.1	$ 33,387	$ 103,942
21152113E		2006	4679.9	1.0	DM_3710	$ 448,272	50	20.4	$ 91,250	19.7	$ 44,058	$ 135,308
21153046C	117 W GALVIN ST	2002	4176.2	1.0	DM_2884	$ 399,097	50	20.6	$ 82,043	20.3	$ 40,530	$ 122,572
21153004D	35116 N 3RD ST	1984	3150.0	0.5	DM_2285	$ 298,910	50	20.6	$ 61,652	20.5	$ 30,687	$ 92,339
21149017M		2007	3931.7	1.0	DM_468	$ 375,226	50	20.7	$ 77,641	20.7	$ 38,927	$ 116,568
21153034D	230 W GALVIN ST	1988	2960.2	0.0	DM_2847	$ 280,380	50	20.7	$ 58,038	20.8	$ 29,123	$ 87,161
21120057J	1735 E TAMAR RD	1988	2277.1	1.0	DM_884	$ 213,689	50	20.8	$ 44,487	21.2	$ 22,608	$ 67,094
21149016C	715 E IRVINE RD	2006	5222.2	1.0	DM_397	$ 501,213	50	21.0	$ 105,370	21.8	$ 54,694	$ 160,063
21168057A	36551 N 12TH ST	1987	2610.0	1.0	DM_1438	$ 246,191	50	21.1	$ 51,923	22.0	$ 27,135	$ 79,057
21123271J	505 E SPEER TR	2005	3955.6	0.5	DM_232	$ 377,558	50	21.1	$ 79,643	22.1	$ 41,638	$ 121,281
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	50	21.2	$ 141,572	22.5	$ 75,016	$ 216,588
21152046G	831 E CLOUD RD	1988	4707.7	0.0	DM_2314	$ 450,985	50	21.2	$ 95,782	22.5	$ 50,791	$ 146,572
21123271H	414 E TANYA RD	2003	1464.3	2.0	DM_388	$ 134,337	50	21.3	$ 28,560	22.6	$ 15,177	$ 43,738
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	50	21.3	$ 48,876	22.8	$ 26,134	$ 75,010
21168053F	37220 N 14TH ST	1993	2691.1	1.0	DM_1664	$ 254,113	50	21.7	$ 55,256	24.2	$ 30,710	$ 85,965
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	50	22.0	$ 44,561	25.1	$ 25,377	$ 69,939
21153085	25 E GALVIN ST	2004	3866.1	2.0	DM_3178	$ 368,821	50	22.0	$ 81,308	25.2	$ 46,382	$ 127,690
21168052H	37315 N 13TH PL	2005	4437.3	1.0	DM_1188	$ 424,589	50	22.1	$ 93,868	25.4	$ 53,838	$ 147,706
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	50	22.1	$ 34,832	25.4	$ 19,991	$ 54,823
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	50	22.2	$ 81,701	25.5	$ 47,063	$ 128,765
21153034C	216 E GALVIN ST	1988	3528.1	1.0	DM_2087	$ 335,820	50	22.2	$ 74,568	25.7	$ 43,123	$ 117,691

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153035C	35507 N CENTRAL AVE	2002	1555.1	2.0	DM_2488	$ 101,903	50	22.3	$ 22,731	26.0	$ 13,259	$ 35,990
21152078A	34918 N 12TH ST	2002	234.8	2.0	DM_3846	$ 11,699	50	22.3	$ 2,614	26.1	$ 1,529	$ 4,143
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	50	22.5	$ 36,321	26.7	$ 21,557	$ 57,878
21174012F	34406 N 12TH ST	1943	3912.6	0.5	DM_3682	$ 373,366	50	22.6	$ 84,436	27.0	$ 50,497	$ 134,933
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	50	23.5	$ 21,228	30.1	$ 13,568	$ 34,795
21152021X	35630 N 12TH ST	1996	3142.5	3.0	DM_3104	$ 210,359	50	23.6	$ 49,567	30.2	$ 31,775	$ 81,341
21168065D	1430 E CLOUD RD	1986	3361.0	1.0	DM_1762	$ 319,511	50	23.6	$ 75,544	30.5	$ 48,691	$ 124,235
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	50	23.7	$ 74,420	30.5	$ 48,001	$ 122,420
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	50	23.7	$ 84,878	30.6	$ 54,831	$ 139,709
21174004V	1217 E TUMBLEWEED DR	2004	8424.4	0.5	DM_3869	$ 813,843	50	23.7	$ 193,280	30.8	$ 125,454	$ 318,734
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	50	23.9	$ 34,259	31.3	$ 22,436	$ 56,696
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	50	24.1	$ 46,719	32.0	$ 30,992	$ 77,711
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	50	24.5	$ 64,511	33.4	$ 43,936	$ 108,447
21174010A	33840 N 14TH ST	1975	1640.3	2.0	DM_3387	$ 107,728	50	24.7	$ 26,608	34.0	$ 18,312	$ 44,920
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	50	24.8	$ 58,403	34.2	$ 40,334	$ 98,737
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	50	24.8	$ 63,572	34.4	$ 44,085	$ 107,657
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	50	24.9	$ 32,595	34.5	$ 22,637	$ 55,232
21152051F	35906 N 12TH ST	1999	5339.7	3.0	DM_2806	$ 360,483	50	25.0	$ 90,282	35.0	$ 63,111	$ 153,393
21174007G	34013 N 13TH PL	2006	3184.9	1.0	DM_3642	$ 302,320	50	25.1	$ 75,762	35.0	$ 52,936	$ 128,698
21152009Z	35615 N 12TH ST	1987	3877.1	0.5	DM_3811	$ 369,892	50	25.1	$ 92,887	35.0	$ 64,800	$ 157,688
21152025E	36321 N 12TH ST	1945	2332.1	0.5	DM_3820	$ 219,055	50	25.1	$ 55,050	35.0	$ 38,382	$ 93,433
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	50	25.4	$ 77,071	35.1	$ 53,374	$ 130,445
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	50	26.4	$ 20,309	35.5	$ 13,632	$ 33,941
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	50	26.4	$ 152,762	35.5	$ 102,509	$ 255,271
21152030D	35845 N 12TH ST	1998	2521.6	2.0	DM_3892	$ 167,943	50	26.5	$ 44,533	35.5	$ 29,814	$ 74,347
21152025D	36007 N 12TH ST	1999	4048.7	3.0	DM_3408	$ 386,646	50	26.5	$ 102,552	35.5	$ 68,645	$ 171,196
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	50	27.2	$ 114,186	35.7	$ 75,107	$ 189,293
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	50	27.2	$ 117,872	35.7	$ 77,351	$ 195,223
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	50	27.3	$ 73,193	35.8	$ 47,893	$ 121,086
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	50	27.4	$ 174,260	35.8	$ 113,949	$ 288,209
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	50	27.8	$ 48,558	35.9	$ 31,370	$ 79,928

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21152137	34907 N 12TH ST	2006	4430.1	3.0	DM_3913	$ 423,887	50	28.0	$ 118,764	36.0	$ 76,337	$ 195,101
21152030B	35837 N 12TH ST	1993	4772.2	1.5	DM_3474	$ 457,285	50	28.3	$ 129,403	36.3	$ 82,993	$ 212,396
21152031C	35819 N 12TH ST	1990	2640.9	1.0	DM_3501	$ 249,207	50	28.6	$ 71,238	36.6	$ 45,587	$ 116,826
								Total	**$ 5,867,997**		**$ 3,410,956**	**$ 9,278,953**
21174013	1039 E CAREFREE HWY	1997	11858.9	2.0	DM_3620	$ 973,813	100	1.2	$ 11,317	2.5	$ 24,212	$ 35,529
21153068	35636 N CENTRAL AVE	1991	1768.6	2.0	DM_2828	$ 116,492	100	18.0	$ 21,013	12.1	$ 7,062	$ 28,075
21168059E		1995	3116.7	3.0	DM_1509	$ 295,656	100	18.1	$ 53,443	12.2	$ 18,105	$ 71,549
21152047F	36004 N 10TH ST	1997	2930.9	1.0	DM_2800	$ 277,521	100	18.1	$ 50,206	12.3	$ 17,061	$ 67,267
21168056G	36735 N 12TH ST	1995	2859.3	0.0	DM_968	$ 270,526	100	18.2	$ 49,164	12.6	$ 16,994	$ 66,157
21123231	230 E JORDAN LN	1997	4403.2	1.5	DM_810	$ 421,256	100	18.2	$ 76,713	12.7	$ 26,716	$ 103,429
21123158	233 E IRVINE RD	1994	4287.9	0.5	DM_790	$ 410,000	100	18.2	$ 74,805	12.8	$ 26,233	$ 101,038
21153069D	35620 N CENTRAL AVE	1965	2605.8	0.5	DM_2676	$ 245,785	100	18.3	$ 44,955	12.9	$ 15,907	$ 60,863
21123078	315 E LAVITT LN	1994	4441.5	1.0	DM_904	$ 424,995	100	18.3	$ 77,767	13.0	$ 27,560	$ 105,327
21153035A	113 E LEISURE LN	2002	3277.3	1.0	DM_2253	$ 311,339	100	18.3	$ 57,020	13.0	$ 20,271	$ 77,291
21123149	38205 N 3RD ST	2006	7005.6	0.0	DM_192	$ 675,329	100	18.3	$ 123,874	13.1	$ 44,281	$ 168,155
21152048N	35852 N 10TH ST	1988	3234.8	0.0	DM_2960	$ 307,193	100	18.5	$ 56,802	13.6	$ 20,881	$ 77,683
21152069C	34808 N 16TH ST	2002	2316.7	0.5	DM_3591	$ 217,556	100	18.5	$ 40,261	13.6	$ 14,842	$ 55,102
21168053H	1328 E MADDOCK RD	1950	953.6	3.0	DM_1285	$ 60,808	100	18.6	$ 11,292	13.9	$ 4,212	$ 15,503
21123154	38401 N 3RD ST	1994	5102.5	0.5	DM_123	$ 489,525	100	18.6	$ 91,172	14.0	$ 34,339	$ 125,511
21168052G	37321 N 13TH PL	2005	4627.5	0.0	DM_1811	$ 443,158	100	18.6	$ 82,555	14.0	$ 31,118	$ 113,674
21149028E	1150 E JOY RANCH RD	1992	954.3	1.0	DM_395	$ 60,858	100	18.6	$ 11,348	14.1	$ 4,292	$ 15,640
21174004T	1235 E TUMBLEWEED DR	2002	5221.9	1.0	DM_3610	$ 501,183	100	18.7	$ 93,549	14.2	$ 35,491	$ 129,040
21152037A	35614 N 16TH ST	1987	2894.6	0.5	DM_3560	$ 273,980	100	18.7	$ 51,264	14.3	$ 19,604	$ 70,868
21168104C		1999	2532.3	1.0	DM_1670	$ 238,605	100	18.7	$ 44,646	14.3	$ 17,075	$ 61,721
21153001C	36003 N CENTRAL AVE	2002	4373.2	1.0	DM_3143	$ 418,333	100	18.7	$ 78,339	14.4	$ 30,039	$ 108,378
21174015	34308 N 12TH ST	2004	5366.6	1.0	DM_3973	$ 402,860	100	18.8	$ 75,717	64.6	$ 260,413	$ 336,130
21168087	37436 N 14TH ST	1997	2692.6	1.5	DM_1810	$ 254,254	100	18.8	$ 47,835	14.6	$ 18,618	$ 66,454
21123193	405 E BLUE EAGLE LN	1994	4907.3	0.5	DM_805	$ 470,476	100	18.9	$ 89,030	15.0	$ 35,288	$ 124,318
21168059F		1982	4157.1	0.5	DM_1481	$ 397,229	100	18.9	$ 75,183	15.0	$ 29,816	$ 104,999
21152104F		1985	1663.5	2.0	DM_2725	$ 109,311	100	18.9	$ 20,693	15.0	$ 8,211	$ 28,904

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21123179	401 E DESERT RANCH RD	1994	2706.1	0.5	DM_42	$ 255,573	100	19.0	$ 48,483	15.2	$ 19,364	$ 67,846
21153065G	35619 N CENTRAL AVE	1990	3578.9	1.0	DM_2994	$ 340,787	100	19.0	$ 64,856	15.4	$ 26,158	$ 91,014
21149077	710 E DESERT RANCH RD	2004	4219.8	1.5	DM_225	$ 403,349	100	19.1	$ 77,007	15.5	$ 31,357	$ 108,364
21123157	38435 N 3RD ST	1994	4994.1	0.5	DM_126	$ 478,950	100	19.1	$ 91,489	15.6	$ 37,314	$ 128,803
21168043Z	901 E DOLORES RD	1995	2962.4	0.0	DM_1608	$ 280,591	100	19.3	$ 54,163	16.2	$ 22,778	$ 76,941
21168043M	902 E CLOUD RD	1984	3199.8	0.5	DM_1427	$ 303,776	100	19.3	$ 58,640	16.2	$ 24,662	$ 83,302
21168160		1998	2688.5	0.5	DM_1479	$ 253,859	100	19.3	$ 49,115	16.4	$ 20,789	$ 69,903
21153065D	35625 N CENTRAL AVE	1990	2480.7	1.0	DM_2993	$ 233,566	100	19.4	$ 45,201	16.4	$ 19,147	$ 64,348
21123058	38240 N 5TH ST	1993	4009.2	1.0	DM_564	$ 382,793	100	19.4	$ 74,144	16.4	$ 31,484	$ 105,628
21168093	814 E CLOUD RD	2004	3503.9	0.5	DM_1617	$ 333,462	100	19.4	$ 64,599	16.5	$ 27,443	$ 92,041
21174038Y	1345 E PAINT YOUR WAG	1988	2853.2	1.0	DM_3627	$ 269,935	100	19.5	$ 52,566	16.8	$ 22,660	$ 75,226
21123138	232 E ADAMANDA DR	1994	4116.2	1.0	DM_661	$ 393,239	100	19.5	$ 76,668	16.9	$ 33,158	$ 109,826
21123173	509 E AMANANDA DR	1994	5161.9	2.0	DM_128	$ 495,325	100	19.6	$ 97,169	17.3	$ 42,736	$ 139,905
21153070D	35812 N CENTRAL AVE	1998	2361.1	0.5	DM_2108	$ 221,887	100	19.6	$ 43,567	17.3	$ 19,208	$ 62,775
21153043D		2010	7261.0	1.0	DM_6008	$ 700,261	100	19.6	$ 137,519	17.3	$ 60,657	$ 198,176
21152134	34923 N 12TH ST	2007	5531.4	4.0	DM_3635	$ 531,401	100	19.7	$ 104,563	17.4	$ 46,363	$ 150,926
21168056F	36601 N 12TH ST	1993	3501.0	0.5	DM_1434	$ 333,176	100	19.7	$ 65,748	17.6	$ 29,378	$ 95,126
21152052F		1989	4909.5	1.0	DM_2728	$ 470,683	100	19.8	$ 93,176	17.8	$ 41,977	$ 135,153
21123063	515 E DESERT HILLS ESTA	1993	896.7	1.0	DM_21	$ 78,924	100	19.9	$ 15,670	18.0	$ 7,113	$ 22,783
21174007C	33950 N 14TH ST	2003	1544.5	3.0	DM_3963	$ 142,170	100	19.9	$ 28,322	18.2	$ 12,968	$ 41,290
21152010J	35033 N 12TH ST	1996	2644.1	1.0	DM_3836	$ 249,519	100	19.9	$ 49,717	18.3	$ 22,778	$ 72,495
21153043A	35915 N CENTRAL AVE	2003	6655.7	1.0	DM_2508	$ 641,167	100	20.0	$ 128,174	18.5	$ 59,211	$ 187,385
21149017G	38312 N 8TH PL	2005	4687.5	0.0	DM_203	$ 449,018	100	20.1	$ 90,350	18.9	$ 42,421	$ 132,771
21123063	515 E DESERT HILLS ESTA	1993	5017.0	1.0	DM_20	$ 481,187	100	20.2	$ 97,196	19.1	$ 46,068	$ 143,264
21174008J	33839 N 12TH ST	1983	2390.6	0.5	DM_3381	$ 224,775	100	20.4	$ 45,956	19.9	$ 22,418	$ 68,374
21152056A	34803 N 7TH ST	2001	1698.6	3.0	DM_2414	$ 111,711	100	20.5	$ 22,952	20.3	$ 11,324	$ 34,276
21168043N	836 E CLOUD RD	1987	2605.2	1.0	DM_1428	$ 245,727	100	20.6	$ 50,592	20.4	$ 25,081	$ 75,673
21153033E	124 E LEISURE LN	1987	3740.5	0.0	DM_2485	$ 356,557	100	20.6	$ 73,604	20.6	$ 36,707	$ 110,312
21153070C	35802 N CENTRAL AVE	1998	3142.1	1.0	DM_3019	$ 298,136	100	21.0	$ 62,725	21.9	$ 32,612	$ 95,337
21153070B	35810 N CENTRAL AVE	1997	4073.3	0.5	DM_2530	$ 389,053	100	21.1	$ 82,034	22.0	$ 42,850	$ 124,883
21153035D	35415 N CENTRAL AVE	1980	3942.8	0.5	DM_3011	$ 376,310	100	21.1	$ 79,508	22.2	$ 41,709	$ 121,217

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153068	35636 N CENTRAL AVE	1991	804.0	2.0	DM_2825	$ 50,588	100	21.3	$ 10,760	22.6	$ 5,723	$ 16,483
21153058D		1942	2910.4	1.0	DM_4109	$ 275,516	100	21.4	$ 58,847	22.9	$ 31,569	$ 90,416
21152079D	34820 N 12TH ST	2004	4455.7	1.0	DM_3517	$ 426,379	100	21.4	$ 91,232	23.0	$ 49,119	$ 140,351
21149017M		2007	3931.7	1.0	DM_468	$ 375,226	100	21.4	$ 80,318	23.1	$ 43,277	$ 123,595
21168057B	36445 N 12TH ST	1992	3381.1	0.5	DM_970	$ 321,468	100	21.4	$ 68,921	23.2	$ 37,255	$ 106,176
21149016C	715 E IRVINE RD	2006	5222.2	1.0	DM_397	$ 501,213	100	22.0	$ 110,020	24.8	$ 62,250	$ 172,269
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	100	22.1	$ 147,656	25.5	$ 84,942	$ 232,598
21123271J	505 E SPEER TR	2005	3955.6	0.5	DM_232	$ 377,558	100	22.1	$ 83,612	25.5	$ 48,110	$ 131,721
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	100	22.2	$ 50,796	25.5	$ 29,269	$ 80,065
21152127D	35120 N 12TH ST	2001	4557.6	4.0	DM_3603	$ 436,328	100	22.2	$ 96,812	25.6	$ 55,907	$ 152,719
21152018E	36040 N 12TH ST	1988	3668.4	0.0	DM_2788	$ 349,522	100	22.2	$ 77,656	25.7	$ 44,960	$ 122,616
21152113E		2006	4679.9	1.0	DM_3710	$ 448,272	100	22.2	$ 99,712	25.8	$ 57,853	$ 157,565
21123271H	414 E TANYA RD	2003	1464.3	2.0	DM_388	$ 134,337	100	22.5	$ 30,269	26.8	$ 17,983	$ 48,252
21153046C	117 W GALVIN ST	2002	4176.2	1.0	DM_2884	$ 399,097	100	22.6	$ 90,054	26.9	$ 53,641	$ 143,694
21153004D	35116 N 3RD ST	1984	3150.0	0.5	DM_2285	$ 298,910	100	22.6	$ 67,689	27.2	$ 40,578	$ 108,267
21153034D	230 W GALVIN ST	1988	2960.2	0.0	DM_2847	$ 280,380	100	22.7	$ 63,519	27.2	$ 38,106	$ 101,624
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	100	22.7	$ 45,918	27.3	$ 27,638	$ 73,556
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	100	22.8	$ 35,850	27.5	$ 21,686	$ 57,536
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	100	22.9	$ 84,359	27.9	$ 51,492	$ 135,851
21168052E	37314 N 13TH PL	2005	3714.9	1.0	DM_1186	$ 354,060	100	23.0	$ 81,358	28.3	$ 50,032	$ 131,389
21120057J	1735 E TAMAR RD	1988	2277.1	1.0	DM_884	$ 213,689	100	23.1	$ 49,304	28.6	$ 30,531	$ 79,835
21153085	25 E GALVIN ST	2004	3866.1	2.0	DM_3178	$ 368,821	100	23.6	$ 87,061	30.4	$ 55,969	$ 143,030
21153035C	35507 N CENTRAL AVE	2002	1555.1	2.0	DM_2488	$ 101,903	100	23.7	$ 24,146	30.7	$ 15,617	$ 39,763
21168057A	36551 N 12TH ST	1987	2610.0	1.0	DM_1438	$ 246,191	100	23.8	$ 58,504	30.9	$ 38,011	$ 96,515
21153034C	216 E GALVIN ST	1988	3528.1	1.0	DM_2087	$ 335,820	100	23.8	$ 80,012	31.1	$ 52,197	$ 132,209
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	100	24.2	$ 39,010	32.3	$ 26,038	$ 65,048
21168053F	37220 N 14TH ST	1993	2691.1	1.0	DM_1664	$ 254,113	100	24.3	$ 61,754	32.7	$ 41,514	$ 103,268
21152078A	34918 N 12TH ST	2002	234.8	2.0	DM_3846	$ 11,699	100	24.5	$ 2,861	33.2	$ 1,940	$ 4,801
21168052H	37315 N 13TH PL	2005	4437.3	1.0	DM_1188	$ 424,589	100	24.6	$ 104,250	33.5	$ 71,141	$ 175,392
21174012F	34406 N 12TH ST	1943	3912.6	0.5	DM_3682	$ 373,366	100	24.8	$ 92,625	34.4	$ 64,145	$ 156,770
21168065D	1430 E CLOUD RD	1986	3361.0	1.0	DM_1762	$ 319,511	100	24.9	$ 79,457	34.6	$ 55,212	$ 134,669

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21152021X	35630 N 12TH ST	1996	3142.5	3.0	DM_3104	$ 210,359	100	25.0	$ 52,575	35.0	$ 36,788	$ 89,363
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	100	25.1	$ 79,013	35.0	$ 55,118	$ 134,131
21152046G	831 E CLOUD RD	1988	4707.7	0.0	DM_2314	$ 450,985	100	25.5	$ 115,087	35.2	$ 79,312	$ 194,399
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	100	25.5	$ 36,612	35.2	$ 25,226	$ 61,838
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	100	25.6	$ 49,704	35.2	$ 34,145	$ 83,849
21174004V	1217 E TUMBLEWEED DR	2004	8424.4	0.5	DM_3869	$ 813,843	100	25.9	$ 211,171	35.3	$ 143,708	$ 354,879
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	100	26.1	$ 23,576	35.4	$ 15,963	$ 39,539
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	100	26.2	$ 93,801	35.4	$ 63,431	$ 157,232
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	100	26.2	$ 67,202	35.4	$ 45,335	$ 112,537
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	100	26.3	$ 62,152	35.4	$ 41,810	$ 103,962
21152051F	35906 N 12TH ST	1999	5339.7	3.0	DM_2806	$ 360,483	100	26.4	$ 95,236	35.5	$ 63,937	$ 159,173
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	100	26.5	$ 34,791	35.5	$ 23,281	$ 58,072
21152009Z	35615 N 12TH ST	1987	3877.1	0.5	DM_3811	$ 369,892	100	26.6	$ 98,207	35.5	$ 65,687	$ 163,894
21152025E	36321 N 12TH ST	1945	2332.1	0.5	DM_3820	$ 219,055	100	26.7	$ 58,460	35.6	$ 38,951	$ 97,410
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	100	26.8	$ 81,600	35.6	$ 54,129	$ 135,728
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	100	26.9	$ 70,903	35.6	$ 46,897	$ 117,801
21174010A	33840 N 14TH ST	1975	1640.3	2.0	DM_3387	$ 107,728	100	27.3	$ 29,387	35.8	$ 19,262	$ 48,649
21174007G	34013 N 13TH PL	2006	3184.9	1.0	DM_3642	$ 302,320	100	27.6	$ 83,391	35.9	$ 54,208	$ 137,599
21152030D	35845 N 12TH ST	1998	2521.6	2.0	DM_3892	$ 167,943	100	27.9	$ 46,937	36.0	$ 30,215	$ 77,153
21152025D	36007 N 12TH ST	1999	4048.7	3.0	DM_3408	$ 386,646	100	28.0	$ 108,266	36.0	$ 69,599	$ 177,865
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	100	28.0	$ 161,922	36.0	$ 104,076	$ 265,998
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	100	28.0	$ 21,547	36.0	$ 13,848	$ 35,395
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	100	28.4	$ 123,035	36.4	$ 78,829	$ 201,864
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	100	28.7	$ 182,546	36.7	$ 116,744	$ 299,290
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	100	28.7	$ 76,745	36.7	$ 49,081	$ 125,825
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	100	28.8	$ 121,284	36.8	$ 77,465	$ 198,749
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	100	28.9	$ 50,368	36.9	$ 32,167	$ 82,536
21152030B	35837 N 12TH ST	1993	4772.2	1.5	DM_3474	$ 457,285	100	29.2	$ 133,578	37.2	$ 85,081	$ 218,659
21152137	34907 N 12TH ST	2006	4430.1	3.0	DM_3913	$ 423,887	100	29.5	$ 125,035	37.5	$ 79,473	$ 204,508
21152031C	35819 N 12TH ST	1990	2640.9	1.0	DM_3501	$ 249,207	100	29.5	$ 73,542	37.5	$ 46,739	$ 120,281
								Total	**$ 8,357,446**		**$ 4,762,747**	**$ 13,120,194**

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21152055	34835 N 7TH ST	1984	3977.2	3.0	DM_2223	$ 536,408	500	0.9	$ 4,564	13.6	$ 72,809	$ 77,373
21152076H	34820 N 14TH ST	1983	2340.2	2.0	DM_3665	$ 186,684	500	3.0	$ 5,608	8.0	$ 14,957	$ 20,564
21174013	1039 E CAREFREE HWY	1997	11858.9	2.0	DM_3620	$ 973,813	500	10.0	$ 97,189	29.1	$ 283,737	$ 380,926
21153033C	230 E LEISURE LN	1988	3004.7	0.0	DM_2483	$ 284,720	500	18.0	$ 51,261	12.0	$ 17,101	$ 68,362
21123081	38029 N 3RD ST	1994	3600.4	1.0	DM_1055	$ 342,884	500	18.0	$ 61,753	12.0	$ 20,627	$ 82,380
21123074	515 E LAVITT LN	1990	2840.2	1.0	DM_770	$ 268,667	500	18.0	$ 48,464	12.1	$ 16,288	$ 64,752
21123151	38229 N 3RD ST	1994	3363.1	1.0	DM_119	$ 319,710	500	18.0	$ 57,702	12.2	$ 19,434	$ 77,136
21123083	38001 N 3RD ST	1994	2652.2	0.0	DM_1579	$ 250,311	500	18.1	$ 45,320	12.3	$ 15,448	$ 60,768
21123199	615 E BLUE EAGLE LN	1996	3997.4	2.0	DM_844	$ 381,638	500	18.1	$ 69,133	12.4	$ 23,610	$ 92,743
21123194	411 E BLUE EAGLE LN	1994	4160.9	1.0	DM_49	$ 397,603	500	18.1	$ 72,110	12.4	$ 24,736	$ 96,847
21123219	230 E IRVINE RD	1997	4579.1	1.0	DM_783	$ 438,434	500	18.2	$ 79,627	12.5	$ 27,458	$ 107,084
21123150	38217 N 3RD ST	1994	4414.4	0.5	DM_678	$ 422,352	500	18.2	$ 76,786	12.6	$ 26,581	$ 103,367
21123060	510 E DESERT HILLS ESTA	1994	2927.6	0.0	DM_567	$ 277,202	500	18.2	$ 50,511	12.7	$ 17,631	$ 68,142
21174009C	1240 E PAINT YOUR WAG	1983	4262.9	1.0	DM_3779	$ 407,563	500	18.2	$ 74,269	12.7	$ 25,928	$ 100,197
21153074D	35848 N CENTRAL AVE	1997	3108.4	0.5	DM_2115	$ 294,853	500	18.3	$ 53,917	12.9	$ 19,062	$ 72,979
21123080	38043 N 3RD ST	1994	2971.6	0.0	DM_1054	$ 281,491	500	18.3	$ 51,514	13.0	$ 18,263	$ 69,777
21123183	519 E DESERT RANCH RD	1994	3007.8	1.0	DM_682	$ 285,028	500	18.3	$ 52,174	13.0	$ 18,513	$ 70,687
21123153	38253 N 3RD ST	1994	3285.3	0.5	DM_800	$ 312,123	500	18.3	$ 57,243	13.1	$ 20,451	$ 77,694
21123082	38015 N 3RD ST	1994	2656.6	1.0	DM_1057	$ 250,739	500	18.3	$ 45,996	13.1	$ 16,447	$ 62,443
21123059	502 E DESERT HILLS ESTA	1989	3094.7	1.0	DM_108	$ 293,515	500	18.3	$ 53,857	13.1	$ 19,276	$ 73,134
21168028A	1006 E MADDOCK RD	1996	3060.2	1.0	DM_874	$ 290,147	500	18.4	$ 53,259	13.2	$ 19,087	$ 72,346
21168021E	1027 E CARLISE RD	2003	2520.8	2.5	DM_1255	$ 237,487	500	18.5	$ 43,922	13.6	$ 16,158	$ 60,080
21168071	825 E DOLORES RD	1992	1977.4	1.5	DM_1448	$ 184,426	500	18.5	$ 34,150	13.7	$ 12,615	$ 46,766
21123062	519 E DESERT HILLS ESTA	1993	4525.8	0.5	DM_19	$ 433,223	500	18.5	$ 80,235	13.7	$ 29,658	$ 109,893
21123212	37802 N 4TH ST	1994	2780.9	0.0	DM_58	$ 262,876	500	18.6	$ 48,955	14.0	$ 18,434	$ 67,389
21123207	37860 N 4TH ST	1994	4280.3	1.5	DM_1580	$ 409,258	500	18.7	$ 76,356	14.1	$ 28,926	$ 105,283
21153066D	217 E LEISURE LN	1993	2749.7	0.0	DM_2995	$ 259,828	500	18.7	$ 48,639	14.3	$ 18,629	$ 67,268
21149017N		2007	3959.4	1.0	DM_785	$ 377,931	500	18.7	$ 70,781	14.4	$ 27,150	$ 97,931
21123065	501 E DESERT HILLS DR	1989	2972.3	1.0	DM_22	$ 281,562	500	18.7	$ 52,749	14.4	$ 20,254	$ 73,003

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21168021F	1021 E CARLISE RD	1999	3192.6	1.0	DM_1171	$ 303,066	500	19.0	$ 57,489	15.2	$ 22,957	$ 80,446
21123221	218 E JORDAN LN	1997	3912.3	0.0	DM_130	$ 373,329	500	19.0	$ 71,020	15.3	$ 28,609	$ 99,629
21123170	38402 N 5TH ST	1993	3851.0	1.0	DM_794	$ 367,344	500	19.1	$ 70,316	15.7	$ 28,855	$ 99,171
21123169	38414 N CENTRAL AVE	1996	4527.8	1.0	DM_34	$ 433,421	500	19.2	$ 83,095	15.8	$ 34,259	$ 117,354
21123078	315 E LAVITT LN	1994	4441.5	1.0	DM_904	$ 424,995	500	19.2	$ 81,511	15.8	$ 33,643	$ 115,154
21123149	38205 N 3RD ST	2006	7005.6	0.0	DM_192	$ 675,329	500	19.2	$ 129,902	16.0	$ 54,077	$ 183,979
21168061E	36623 N 14TH ST	2001	1020.7	2.5	DM_1291	$ 91,034	500	19.4	$ 17,646	16.5	$ 7,509	$ 25,155
21153021Z	35203 N CENTRAL AVE	2006	2421.7	1.0	DM_2334	$ 227,808	500	19.4	$ 44,176	16.5	$ 18,820	$ 62,996
21153001E	36023 N CENTRAL AVE	2001	2053.8	0.5	DM_3141	$ 191,890	500	19.5	$ 37,460	16.9	$ 16,258	$ 53,718
21153001F		1992	4398.6	1.0	DM_2752	$ 420,806	500	19.6	$ 82,667	17.3	$ 36,497	$ 119,165
21123158	233 E IRVINE RD	1994	4287.9	0.5	DM_790	$ 410,000	500	19.7	$ 80,631	17.4	$ 35,700	$ 116,331
21168072	36470 N 10TH ST	1996	5756.5	0.5	DM_1002	$ 553,375	500	19.7	$ 109,181	17.6	$ 48,759	$ 157,940
21153001E	36023 N CENTRAL AVE	2001	3834.9	0.5	DM_3140	$ 365,779	500	19.7	$ 72,168	17.6	$ 32,230	$ 104,398
21152046H	911 W CLOUD RD	1988	3815.4	0.0	DM_2012	$ 363,876	500	19.8	$ 71,871	17.7	$ 32,189	$ 104,060
21123154	38401 N 3RD ST	1994	5102.5	0.5	DM_123	$ 489,525	500	19.8	$ 96,731	17.7	$ 43,374	$ 140,105
21123193	405 E BLUE EAGLE LN	1994	4907.3	0.5	DM_805	$ 470,476	500	19.8	$ 93,016	17.8	$ 41,765	$ 134,780
21123179	401 E DESERT RANCH RD	1994	2706.1	0.5	DM_42	$ 255,573	500	19.8	$ 50,572	17.8	$ 22,758	$ 73,330
21152047E	36010 N 10TH ST	1997	3176.4	0.0	DM_2209	$ 301,484	500	19.8	$ 59,734	17.9	$ 26,973	$ 86,708
21153001C	36003 N CENTRAL AVE	2002	4373.2	1.0	DM_3143	$ 418,333	500	20.0	$ 83,481	18.4	$ 38,394	$ 121,874
21171035F		1998	2097.5	3.0	DM_477	$ 138,964	500	20.0	$ 27,737	18.4	$ 12,764	$ 40,501
21149077	710 E DESERT RANCH RD	2004	4219.8	1.5	DM_225	$ 403,349	500	20.0	$ 80,564	18.4	$ 37,137	$ 117,700
21153001D	141 E CLOUD RD	1996	5032.4	0.5	DM_2058	$ 482,684	500	20.0	$ 96,501	18.5	$ 44,591	$ 141,092
21153068	35636 N CENTRAL AVE	1991	1768.6	2.0	DM_2828	$ 116,492	500	20.0	$ 23,337	18.6	$ 10,838	$ 34,176
21149028E	1150 E JOY RANCH RD	1992	954.3	1.0	DM_395	$ 60,858	500	20.1	$ 12,205	18.7	$ 5,683	$ 17,887
21120133E	38317 N 18TH ST	2007	4228.9	1.0	DM_1964	$ 404,238	500	20.1	$ 81,432	19.0	$ 38,341	$ 119,773
21153066E	227 E LEISURE LN	1990	2830.5	0.0	DM_2317	$ 267,718	500	20.2	$ 53,957	19.0	$ 25,435	$ 79,392
21152051E	35852 N 12TH ST	1997	3835.1	2.0	DM_2024	$ 365,798	500	20.2	$ 73,740	19.0	$ 34,780	$ 108,520
21153059F	35011 N 3RD ST	1983	3152.6	1.0	DM_2526	$ 299,167	500	20.2	$ 60,478	19.2	$ 28,720	$ 89,197
21123231	230 E JORDAN LN	1997	4403.2	1.5	DM_810	$ 421,256	500	20.2	$ 85,185	19.2	$ 40,484	$ 125,669
21152047F	36004 N 10TH ST	1997	2930.9	1.0	DM_2800	$ 277,521	500	20.3	$ 56,269	19.4	$ 26,913	$ 83,181
21152037A	35614 N 16TH ST	1987	2894.6	0.5	DM_3560	$ 273,980	500	20.4	$ 55,805	19.7	$ 26,982	$ 82,787

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153033F	202 E LEISURE LN	1988	2940.9	0.0	DM_2831	$ 278,496	500	20.4	$ 56,735	19.7	$ 27,445	$ 84,180
21152069C	34808 N 16TH ST	2002	2316.7	0.5	DM_3591	$ 217,556	500	20.4	$ 44,339	19.7	$ 21,469	$ 65,807
21123058	38240 N 5TH ST	1993	4009.2	1.0	DM_564	$ 382,793	500	20.4	$ 78,142	19.8	$ 37,981	$ 116,123
21123157	38435 N 3RD ST	1994	4994.1	0.5	DM_126	$ 478,950	500	20.6	$ 98,814	20.6	$ 49,217	$ 148,030
21123138	232 E ADAMANDA DR	1994	4116.2	1.0	DM_661	$ 393,239	500	20.6	$ 81,146	20.6	$ 40,434	$ 121,580
21123173	509 E AMANANDA DR	1994	5161.9	2.0	DM_128	$ 495,325	500	20.8	$ 103,027	21.1	$ 52,255	$ 155,282
21153069D	35620 N CENTRAL AVE	1965	2605.8	0.5	DM_2676	$ 245,785	500	20.8	$ 51,161	21.2	$ 25,992	$ 77,153
21123063	515 E DESERT HILLS ESTA	1993	896.7	1.0	DM_21	$ 78,924	500	20.9	$ 16,458	21.3	$ 8,395	$ 24,853
21153021Z	35203 N CENTRAL AVE	2006	8654.5	1.0	DM_2335	$ 836,310	500	20.9	$ 174,408	21.3	$ 88,971	$ 263,380
21152132A	35610 N 12TH ST	2002	5464.4	1.0	DM_2421	$ 524,862	500	20.9	$ 109,719	21.4	$ 56,262	$ 165,981
21168059D	36245 N 12TH ST	2009	2418.8	3.0	DM_1381	$ 160,916	500	20.9	$ 33,706	21.6	$ 17,359	$ 51,065
21153004L	35034 N 3RD ST	1985	5954.5	0.0	DM_3168	$ 572,709	500	21.0	$ 120,501	21.9	$ 62,659	$ 183,160
21153035A	113 E LEISURE LN	2002	3277.3	1.0	DM_2253	$ 311,339	500	21.1	$ 65,623	22.0	$ 34,251	$ 99,874
21152048N	35852 N 10TH ST	1988	3234.8	0.0	DM_2960	$ 307,193	500	21.1	$ 64,911	22.2	$ 34,058	$ 98,969
21123063	515 E DESERT HILLS ESTA	1993	5017.0	1.0	DM_20	$ 481,187	500	21.2	$ 102,149	22.5	$ 54,116	$ 156,265
21153043D		2010	7261.0	1.0	DM_6008	$ 700,261	500	21.3	$ 148,939	22.6	$ 79,215	$ 228,154
21153059F	35011 N 3RD ST	1983	2102.7	2.0	DM_2525	$ 139,319	500	21.3	$ 29,662	22.7	$ 15,809	$ 45,470
21153043A	35915 N CENTRAL AVE	2003	6655.7	1.0	DM_2508	$ 641,167	500	21.3	$ 136,699	22.8	$ 73,064	$ 209,763
21153070D	35812 N CENTRAL AVE	1998	2361.1	0.5	DM_2108	$ 221,887	500	21.4	$ 47,448	23.0	$ 25,514	$ 72,962
21152081F	1147 E GALVIN ST	2001	3632.1	0.0	DM_3596	$ 345,973	500	21.4	$ 73,989	23.0	$ 39,793	$ 113,782
21149017G	38312 N 8TH PL	2005	4687.5	0.0	DM_203	$ 449,018	500	21.4	$ 96,063	23.0	$ 51,706	$ 147,769
21153065G	35619 N CENTRAL AVE	1990	3578.9	1.0	DM_2994	$ 340,787	500	21.6	$ 73,669	23.8	$ 40,478	$ 114,147
21168153	37512 N 16TH ST	2005	4654.3	0.5	DM_1211	$ 445,776	500	21.8	$ 97,307	24.4	$ 54,480	$ 151,787
21153065D	35625 N CENTRAL AVE	1990	2480.7	1.0	DM_2993	$ 233,566	500	21.9	$ 51,207	24.8	$ 28,907	$ 80,113
21168104C		1999	2532.3	1.0	DM_1670	$ 238,605	500	21.9	$ 52,345	24.8	$ 29,585	$ 81,930
21168043Z	901 E DOLORES RD	1995	2962.4	0.0	DM_1608	$ 280,591	500	22.1	$ 61,899	25.2	$ 35,355	$ 97,253
21168048B	36420 N 12TH ST	1984	1663.5	0.0	DM_1705	$ 153,788	500	22.2	$ 34,102	25.6	$ 19,671	$ 53,773
21168059E		1995	3116.7	3.0	DM_1509	$ 295,656	500	22.4	$ 66,232	26.3	$ 38,937	$ 105,169
21149017M		2007	3931.7	1.0	DM_468	$ 375,226	500	22.5	$ 84,302	26.6	$ 49,823	$ 134,125
21168059F		1982	4157.1	0.5	DM_1481	$ 397,229	500	22.5	$ 89,282	26.6	$ 52,805	$ 142,087
21152104F		1985	1663.5	2.0	DM_2725	$ 109,311	500	22.5	$ 24,569	26.6	$ 14,532	$ 39,101

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153070B	35810 N CENTRAL AVE	1997	4073.3	0.5	DM_2530	$ 389,053	500	22.5	$ 87,467	26.6	$ 51,757	$ 139,223
21153070C	35802 N CENTRAL AVE	1998	3142.1	1.0	DM_3019	$ 298,136	500	22.6	$ 67,482	27.1	$ 40,421	$ 107,903
21152052F		1989	4909.5	1.0	DM_2728	$ 470,683	500	22.7	$ 106,744	27.3	$ 64,159	$ 170,903
21168056G	36735 N 12TH ST	1995	2859.3	0.0	DM_968	$ 270,526	500	22.7	$ 61,518	27.5	$ 37,153	$ 98,671
21153068	35636 N CENTRAL AVE	1991	804.0	2.0	DM_2825	$ 50,588	500	23.0	$ 11,611	28.2	$ 7,126	$ 18,737
21153033E	124 E LEISURE LN	1987	3740.5	0.0	DM_2485	$ 356,557	500	23.0	$ 81,967	28.3	$ 50,443	$ 132,410
21149016C	715 E IRVINE RD	2006	5222.2	1.0	DM_397	$ 501,213	500	23.1	$ 115,547	28.5	$ 71,453	$ 187,000
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	500	23.2	$ 53,102	28.9	$ 33,112	$ 86,214
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	500	23.3	$ 155,094	29.2	$ 97,339	$ 252,434
21174004T	1235 E TUMBLEWEED DR	2002	5221.9	1.0	DM_3610	$ 501,183	500	23.3	$ 116,688	29.3	$ 73,360	$ 190,048
21123271J	505 E SPEER TR	2005	3955.6	0.5	DM_232	$ 377,558	500	23.3	$ 87,985	29.3	$ 55,399	$ 143,384
21152134	34923 N 12TH ST	2007	5531.4	4.0	DM_3635	$ 531,401	500	23.3	$ 123,910	29.4	$ 78,095	$ 202,005
21152010J	35033 N 12TH ST	1996	2644.1	1.0	DM_3836	$ 249,519	500	23.3	$ 58,249	29.5	$ 36,781	$ 95,029
21153035D	35415 N CENTRAL AVE	1980	3942.8	0.5	DM_3011	$ 376,310	500	23.5	$ 88,351	29.9	$ 56,311	$ 144,662
21152056A	34803 N 7TH ST	2001	1698.6	3.0	DM_2414	$ 111,711	500	23.5	$ 26,243	30.0	$ 16,741	$ 42,984
21168160		1998	2688.5	0.5	DM_1479	$ 253,859	500	23.7	$ 60,046	30.5	$ 38,728	$ 98,775
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	500	23.7	$ 47,968	30.7	$ 31,055	$ 79,023
21168087	37436 N 14TH ST	1997	2692.6	1.5	DM_1810	$ 254,254	500	23.8	$ 60,536	31.0	$ 39,448	$ 99,983
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	500	23.8	$ 37,552	31.1	$ 24,524	$ 62,077
21168052G	37321 N 13TH PL	2005	4627.5	0.0	DM_1811	$ 443,158	500	23.9	$ 105,723	31.2	$ 69,108	$ 174,831
21168056F	36601 N 12TH ST	1993	3501.0	0.5	DM_1434	$ 333,176	500	24.0	$ 79,835	31.5	$ 52,541	$ 132,375
21153058D		1942	2910.4	1.0	DM_4109	$ 275,516	500	24.0	$ 66,122	31.7	$ 43,621	$ 109,743
21123271H	414 E TANYA RD	2003	1464.3	2.0	DM_388	$ 134,337	500	24.0	$ 32,256	31.7	$ 21,296	$ 53,552
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	500	24.1	$ 88,690	31.8	$ 58,712	$ 147,402
21168053H	1328 E MADDOCK RD	1950	953.6	3.0	DM_1285	$ 60,808	500	24.1	$ 14,648	32.0	$ 9,718	$ 24,366
21168093	814 E CLOUD RD	2004	3503.9	0.5	DM_1617	$ 333,462	500	24.2	$ 80,761	32.4	$ 54,015	$ 134,775
21168043M	902 E CLOUD RD	1984	3199.8	0.5	DM_1427	$ 303,776	500	24.3	$ 73,808	32.7	$ 49,601	$ 123,409
21174038Y	1345 E PAINT YOUR WAG	1988	2853.2	1.0	DM_3627	$ 269,935	500	24.5	$ 66,070	33.3	$ 44,883	$ 110,953
21152018E	36040 N 12TH ST	1988	3668.4	0.0	DM_2788	$ 349,522	500	24.6	$ 86,157	33.8	$ 59,127	$ 145,284
21152113E		2006	4679.9	1.0	DM_3710	$ 448,272	500	24.7	$ 110,725	34.0	$ 76,210	$ 186,935
21152079D	34820 N 12TH ST	2004	4455.7	1.0	DM_3517	$ 426,379	500	24.8	$ 105,584	34.2	$ 72,933	$ 178,517

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21153046C	117 W GALVIN ST	2002	4176.2	1.0	DM_2884	$ 399,097	500	24.9	$ 99,559	34.8	$ 69,484	$ 169,043
21174007C	33950 N 14TH ST	2003	1544.5	3.0	DM_3963	$ 142,170	500	25.0	$ 35,493	34.9	$ 24,797	$ 60,289
21153034D	230 W GALVIN ST	1988	2960.2	0.0	DM_2847	$ 280,380	500	25.0	$ 70,068	35.0	$ 49,022	$ 119,090
21174008J	33839 N 12TH ST	1983	2390.6	0.5	DM_3381	$ 224,775	500	25.0	$ 56,288	35.0	$ 39,351	$ 95,639
21152127D	35120 N 12TH ST	2001	4557.6	4.0	DM_3603	$ 436,328	500	25.1	$ 109,394	35.0	$ 76,409	$ 185,803
21153004D	35116 N 3RD ST	1984	3150.0	0.5	DM_2285	$ 298,910	500	25.1	$ 75,049	35.0	$ 52,363	$ 127,412
21168043N	836 E CLOUD RD	1987	2605.2	1.0	DM_1428	$ 245,727	500	25.1	$ 61,746	35.0	$ 43,055	$ 104,800
21168057B	36445 N 12TH ST	1992	3381.1	0.5	DM_970	$ 321,468	500	25.3	$ 81,482	35.1	$ 56,443	$ 137,925
21153035C	35507 N CENTRAL AVE	2002	1555.1	2.0	DM_2488	$ 101,903	500	25.7	$ 26,236	35.2	$ 17,960	$ 44,196
21174015	34308 N 12TH ST	2004	5366.6	1.0	DM_3973	$ 402,860	500	25.8	$ 104,091	66.0	$ 265,888	$ 369,979
21153085	25 E GALVIN ST	2004	3866.1	2.0	DM_3178	$ 368,821	500	25.8	$ 95,332	35.3	$ 65,065	$ 160,397
21153034C	216 E GALVIN ST	1988	3528.1	1.0	DM_2087	$ 335,820	500	26.1	$ 87,782	35.4	$ 59,406	$ 147,188
21120057J	1735 E TAMAR RD	1988	2277.1	1.0	DM_884	$ 213,689	500	26.2	$ 55,892	35.4	$ 37,807	$ 93,699
21168065D	1430 E CLOUD RD	1986	3361.0	1.0	DM_1762	$ 319,511	500	26.3	$ 83,889	35.4	$ 56,583	$ 140,472
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	500	26.7	$ 43,010	35.6	$ 28,674	$ 71,684
21152021X	35630 N 12TH ST	1996	3142.5	3.0	DM_3104	$ 210,359	500	27.4	$ 57,535	35.8	$ 37,637	$ 95,171
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	500	27.5	$ 86,492	35.8	$ 56,364	$ 142,856
21152078A	34918 N 12TH ST	2002	234.8	2.0	DM_3846	$ 11,699	500	27.5	$ 3,220	35.8	$ 2,097	$ 5,317
21168052E	37314 N 13TH PL	2005	3714.9	1.0	DM_1186	$ 354,060	500	27.5	$ 97,472	35.8	$ 63,453	$ 160,925
21168057A	36551 N 12TH ST	1987	2610.0	1.0	DM_1438	$ 246,191	500	27.6	$ 67,838	35.9	$ 44,132	$ 111,970
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	500	27.8	$ 54,008	35.9	$ 34,863	$ 88,871
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	500	27.9	$ 40,004	36.0	$ 25,791	$ 65,795
21174012F	34406 N 12TH ST	1943	3912.6	0.5	DM_3682	$ 373,366	500	28.3	$ 105,681	36.3	$ 67,775	$ 173,456
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	500	28.4	$ 72,706	36.4	$ 46,594	$ 119,300
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	500	28.4	$ 67,029	36.4	$ 42,950	$ 109,978
21152051F	35906 N 12TH ST	1999	5339.7	3.0	DM_2806	$ 360,483	500	28.5	$ 102,716	36.5	$ 65,777	$ 168,493
21152009Z	35615 N 12TH ST	1987	3877.1	0.5	DM_3811	$ 369,892	500	28.6	$ 105,820	36.6	$ 67,706	$ 173,526
21168053F	37220 N 14TH ST	1993	2691.1	1.0	DM_1664	$ 254,113	500	28.6	$ 72,781	36.6	$ 46,555	$ 119,336
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	500	28.7	$ 37,604	36.7	$ 24,047	$ 61,651
21168052H	37315 N 13TH PL	2005	4437.3	1.0	DM_1188	$ 424,589	500	28.7	$ 121,860	36.7	$ 77,913	$ 199,773
21152025E	36321 N 12TH ST	1945	2332.1	0.5	DM_3820	$ 219,055	500	28.7	$ 62,953	36.7	$ 40,239	$ 103,191

Hazus Summary Table
Desert Hills Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	500	28.8	$ 87,601	36.8	$ 55,959	$ 143,560
21174004V	1217 E TUMBLEWEED DR	2004	8424.4	0.5	DM_3869	$ 813,843	500	29.1	$ 236,624	37.1	$ 150,866	$ 387,490
21152030D	35845 N 12TH ST	1998	2521.6	2.0	DM_3892	$ 167,943	500	29.5	$ 49,600	37.5	$ 31,518	$ 81,117
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	500	29.5	$ 170,714	37.5	$ 108,472	$ 279,186
21152025D	36007 N 12TH ST	1999	4048.7	3.0	DM_3408	$ 386,646	500	29.6	$ 114,396	37.6	$ 72,664	$ 187,059
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	500	29.6	$ 22,745	37.6	$ 14,447	$ 37,191
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	500	29.7	$ 106,341	37.7	$ 67,510	$ 173,851
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	500	29.7	$ 26,847	37.7	$ 17,034	$ 43,881
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	500	30.0	$ 129,784	38.0	$ 82,204	$ 211,988
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	500	30.0	$ 79,056	38.1	$ 50,178	$ 129,234
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	500	30.1	$ 191,700	38.3	$ 121,985	$ 313,685
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	500	30.1	$ 80,652	38.4	$ 51,374	$ 132,026
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	500	30.2	$ 52,750	38.6	$ 33,734	$ 86,484
21174010A	33840 N 14TH ST	1975	1640.3	2.0	DM_3387	$ 107,728	500	30.3	$ 32,605	38.8	$ 20,898	$ 53,502
21152046G	831 E CLOUD RD	1988	4707.7	0.0	DM_2314	$ 450,985	500	30.3	$ 136,549	38.8	$ 87,567	$ 224,117
21174007G	34013 N 13TH PL	2006	3184.9	1.0	DM_3642	$ 302,320	500	30.3	$ 91,697	39.0	$ 58,942	$ 150,638
21152030B	35837 N 12TH ST	1993	4772.2	1.5	DM_3474	$ 457,285	500	30.4	$ 138,916	39.1	$ 89,480	$ 228,396
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	500	30.4	$ 128,034	39.3	$ 82,703	$ 210,736
21152031C	35819 N 12TH ST	1990	2640.9	1.0	DM_3501	$ 249,207	500	30.5	$ 76,087	39.6	$ 49,336	$ 125,423
21152137	34907 N 12TH ST	2006	4430.1	3.0	DM_3913	$ 423,887	500	30.8	$ 130,516	40.4	$ 85,564	$ 216,080
								Total	**$ 12,769,151**		**$ 7,639,897**	**$ 20,409,047**

Hazus Summary Table
Desert Hills Study Area
Run 3

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21153068	35636 N CENTRAL AVE	1991	1768.6	2.0	DM_2828	$ 116,492	100	0.2	$ 200	0.1	$ 67	$ 266
21153082A	109 E GALVIN ST	2003	6007.3	3.0	DM_2532	$ 577,866	100	0.2	$ 1,079	0.1	$ 360	$ 1,439
21153046J	35307 N 1ST PL	2000	1188.5	3.0	DM_3032	$ 76,857	100	0.3	$ 247	0.2	$ 82	$ 329
21168059E		1995	3116.7	3.0	DM_1509	$ 295,656	100	0.3	$ 1,013	0.2	$ 338	$ 1,351
21152047F	36004 N 10TH ST	1997	2930.9	1.0	DM_2800	$ 277,521	100	0.4	$ 1,134	0.3	$ 378	$ 1,512
21152132A	35610 N 12TH ST	2002	3310.9	0.0	DM_2419	$ 314,615	100	0.7	$ 2,157	0.5	$ 719	$ 2,876
21168056C	36735 N 12TH ST	1995	2859.3	0.0	DM_968	$ 270,526	100	0.8	$ 2,110	0.5	$ 703	$ 2,814
21149016D	729 E IRVINE RD	2006	6918.6	1.0	DM_398	$ 666,835	100	0.9	$ 5,714	0.6	$ 1,905	$ 7,619
21123231	230 E JORDAN LN	1997	4403.2	1.5	DM_810	$ 421,256	100	0.9	$ 3,989	0.6	$ 1,330	$ 5,319
21153074A	35836 N CENTRAL AVE	1997	2436.0	0.5	DM_2111	$ 229,206	100	1.0	$ 2,226	0.6	$ 742	$ 2,968
21123158	233 E IRVINE RD	1994	4287.9	0.5	DM_790	$ 410,000	100	1.1	$ 4,522	0.7	$ 1,507	$ 6,030
21152127D	35120 N 12TH ST	2001	4557.6	4.0	DM_3603	$ 436,328	100	1.1	$ 4,918	0.8	$ 1,639	$ 6,558
21152018E	36040 N 12TH ST	1988	3668.4	0.0	DM_2788	$ 349,522	100	1.3	$ 4,570	0.9	$ 1,523	$ 6,093
21153069D	35620 N CENTRAL AVE	1965	2605.8	0.5	DM_2676	$ 245,785	100	1.3	$ 3,213	0.9	$ 1,071	$ 4,284
21123078	315 E LAVITT LN	1994	4441.5	1.0	DM_904	$ 424,995	100	1.3	$ 5,706	0.9	$ 1,902	$ 7,608
21153035A	113 E LEISURE LN	2002	3277.3	1.0	DM_2253	$ 311,339	100	1.4	$ 4,406	0.9	$ 1,469	$ 5,874
21152113E		2006	4679.9	1.0	DM_3710	$ 448,272	100	1.5	$ 6,550	1.0	$ 2,183	$ 8,733
21123149	38205 N 3RD ST	2006	7005.6	0.0	DM_192	$ 675,329	100	1.5	$ 10,417	1.0	$ 3,472	$ 13,889
21152048N	35852 N 10TH ST	1988	3234.8	0.0	DM_2960	$ 307,193	100	2.2	$ 6,784	1.5	$ 2,261	$ 9,045
21168053H	1328 E MADDOCK RD	1950	953.6	3.0	DM_1285	$ 60,808	100	2.6	$ 1,559	1.7	$ 520	$ 2,079
21123154	38401 N 3RD ST	1994	5102.5	0.5	DM_123	$ 489,525	100	2.8	$ 13,757	1.9	$ 4,586	$ 18,343
21149028E	1150 E JOY RANCH RD	1992	954.3	1.0	DM_395	$ 60,858	100	2.9	$ 1,773	1.9	$ 591	$ 2,364
21174004T	1235 E TUMBLEWEED D	2002	5221.9	1.0	DM_3610	$ 501,183	100	3.0	$ 15,010	2.0	$ 5,003	$ 20,013
21152046C	831 E CLOUD RD	1988	4707.7	0.0	DM_2314	$ 450,985	100	3.1	$ 14,042	2.1	$ 4,681	$ 18,722
21153047B		1976	1557.4	1.0	DM_3030	$ 143,430	100	3.2	$ 4,526	2.1	$ 1,509	$ 6,034
21123271H	414 E TANYA RD	2003	1464.3	2.0	DM_388	$ 134,337	100	3.2	$ 4,289	2.1	$ 1,430	$ 5,719
21152037A	35614 N 16TH ST	1987	2894.6	0.5	DM_3560	$ 273,980	100	3.2	$ 8,765	2.1	$ 2,922	$ 11,687
21168104C		1999	2532.3	1.0	DM_1670	$ 238,605	100	3.2	$ 7,639	2.1	$ 2,546	$ 10,185
21153001C	36003 N CENTRAL AVE	2002	4373.2	1.0	DM_3143	$ 418,333	100	3.3	$ 13,678	2.2	$ 4,559	$ 18,237
21153046C	117 W GALVIN ST	2002	4176.2	1.0	DM_2884	$ 399,097	100	3.4	$ 13,513	2.3	$ 4,504	$ 18,018
21168087	37436 N 14TH ST	1997	2692.6	1.5	DM_1810	$ 254,254	100	3.7	$ 9,313	2.4	$ 3,104	$ 12,417

Hazus Summary Table
Desert Hills Study Area
Run 3

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21153034A	118 E GALVIN ST	1987	2075.0	1.0	DM_2296	$ 193,960	100	3.8	$ 7,283	2.5	$ 2,428	$ 9,711
21152030C	35845 N 12TH ST	1989	4521.4	1.0	DM_3304	$ 432,796	100	3.9	$ 16,670	2.6	$ 5,557	$ 22,227
21153004D	35116 N 3RD ST	1984	3150.0	0.5	DM_2285	$ 298,910	100	3.9	$ 11,573	2.6	$ 3,858	$ 15,430
21153034D	230 W GALVIN ST	1988	2960.2	0.0	DM_2847	$ 280,380	100	3.9	$ 11,009	2.6	$ 3,670	$ 14,679
21123193	405 E BLUE EAGLE LN	1994	4907.3	0.5	DM_805	$ 470,476	100	4.2	$ 19,548	2.8	$ 6,516	$ 26,065
21168059F		1982	4157.1	0.5	DM_1481	$ 397,229	100	4.2	$ 16,566	2.8	$ 5,522	$ 22,088
21153074C	35842 N CENTRAL AVE	1996	2160.5	0.5	DM_3157	$ 202,308	100	4.2	$ 8,459	2.8	$ 2,820	$ 11,279
21152104F		1985	1663.5	2.0	DM_2725	$ 109,311	100	4.2	$ 4,576	2.8	$ 1,525	$ 6,101
21123179	401 E DESERT RANCH RD	1994	2706.1	0.5	DM_42	$ 255,573	100	4.4	$ 11,158	2.9	$ 3,719	$ 14,878
21149028E	1150 E JOY RANCH RD	1992	1701.6	0.5	DM_394	$ 157,503	100	4.6	$ 7,195	3.0	$ 2,398	$ 9,593
21153065C	35619 N CENTRAL AVE	1990	3578.9	1.0	DM_2994	$ 340,787	100	4.6	$ 15,815	3.1	$ 5,272	$ 21,086
21149077	710 E DESERT RANCH RD	2004	4219.8	1.5	DM_225	$ 403,349	100	4.9	$ 19,817	3.3	$ 6,606	$ 26,423
21123157	38435 N 3RD ST	1994	4994.1	0.5	DM_126	$ 478,950	100	5.0	$ 23,752	3.3	$ 7,917	$ 31,670
21153070A	35814 N CENTRAL AVE	1998	3865.0	0.5	DM_2857	$ 368,712	100	5.3	$ 19,452	3.5	$ 6,484	$ 25,936
21174004V	1217 E TUMBLEWEED D	2004	8424.4	0.5	DM_3869	$ 813,843	100	5.7	$ 46,262	3.8	$ 15,421	$ 61,682
21168043Z	901 E DOLORES RD	1995	2962.4	0.0	DM_1608	$ 280,591	100	5.9	$ 16,455	3.9	$ 5,485	$ 21,940
21168043N	902 E CLOUD RD	1984	3199.8	0.5	DM_1427	$ 303,776	100	5.9	$ 17,822	3.9	$ 5,941	$ 23,762
21168052E	37314 N 13TH PL	2005	3714.9	1.0	DM_1186	$ 354,060	100	5.9	$ 20,787	3.9	$ 6,929	$ 27,716
21120142	37841 N 16TH ST	2004	6610.9	1.0	DM_1652	$ 636,790	100	6.0	$ 38,198	4.0	$ 12,733	$ 50,931
21120142	37841 N 16TH ST	2004	2830.4	1.0	DM_1651	$ 267,707	100	6.0	$ 16,082	4.0	$ 5,361	$ 21,443
21168160		1998	2688.5	0.5	DM_1479	$ 253,859	100	6.1	$ 15,390	4.0	$ 5,130	$ 20,519
21153065D	35625 N CENTRAL AVE	1990	2480.7	1.0	DM_2993	$ 233,566	100	6.1	$ 14,216	4.1	$ 4,739	$ 18,954
21123058	38240 N 5TH ST	1993	4009.2	1.0	DM_564	$ 382,793	100	6.2	$ 23,584	4.1	$ 7,861	$ 31,446
21168093	814 E CLOUD RD	2004	3503.9	0.5	DM_1617	$ 333,462	100	6.2	$ 20,589	4.1	$ 6,863	$ 27,452
21120057J	1735 E TAMAR RD	1988	2277.1	1.0	DM_884	$ 213,689	100	6.4	$ 13,753	4.3	$ 4,584	$ 18,337
21174038Y	1345 E PAINT YOUR WA	1988	2853.2	1.0	DM_3627	$ 269,935	100	6.6	$ 17,900	4.4	$ 5,967	$ 23,867
21174008P		1996	1384.6	2.0	DM_3685	$ 90,256	100	6.7	$ 6,070	4.5	$ 2,023	$ 8,094
21123138	232 E ADAMANDA DR	1994	4116.2	1.0	DM_661	$ 393,239	100	6.7	$ 26,483	4.5	$ 8,828	$ 35,311
21174008F	33908 N 13TH ST	1997	3760.2	1.0	DM_3960	$ 358,479	100	7.0	$ 25,087	4.7	$ 8,362	$ 33,450
21123173	509 E AMANANDA DR	1994	5161.9	2.0	DM_128	$ 495,325	100	7.3	$ 36,047	4.9	$ 12,016	$ 48,062
21153070D	35812 N CENTRAL AVE	1998	2361.1	0.5	DM_2108	$ 221,887	100	7.4	$ 16,323	4.9	$ 5,441	$ 21,764

Hazus Summary Table
Desert Hills Study Area
Run 3

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses USD	Contents Damage Percent	Contents Loss	Total Loss Cost
21153043D		2010	7261.0	1.0	DM_6008	$ 700,261	100	7.4	$ 51,622	4.9	$ 17,207	$ 68,829
21152101A	35640 N 12TH ST	1989	2710.6	3.0	DM_2053	$ 256,011	100	7.5	$ 19,193	5.0	$ 6,398	$ 25,591
21152133	34931 N 12TH ST	2007	4396.1	3.0	DM_3847	$ 420,568	100	7.5	$ 31,724	5.0	$ 10,575	$ 42,299
21152134	34923 N 12TH ST	2007	5531.4	4.0	DM_3635	$ 531,401	100	7.5	$ 40,096	5.0	$ 13,365	$ 53,462
21152030D	35845 N 12TH ST	1998	2618.8	2.0	DM_3893	$ 174,578	100	7.7	$ 13,380	5.1	$ 4,460	$ 17,840
21168056F	36601 N 12TH ST	1993	3501.0	0.5	DM_1434	$ 333,176	100	7.8	$ 25,996	5.2	$ 8,665	$ 34,661
21152052F		1989	4909.5	1.0	DM_2728	$ 470,683	100	8.1	$ 38,038	5.4	$ 12,679	$ 50,718
21153034E	202 W GALVIN ST	1992	2504.4	1.0	DM_2088	$ 235,883	100	8.1	$ 19,089	5.4	$ 6,363	$ 25,452
21174007C	33950 N 14TH ST	2003	1544.5	3.0	DM_3963	$ 142,170	100	8.6	$ 12,289	5.8	$ 4,096	$ 16,386
21153043A	35915 N CENTRAL AVE	2003	6655.7	1.0	DM_2508	$ 641,167	100	9.0	$ 57,437	6.0	$ 19,146	$ 76,583
21152012C	1227 E CLOUD RD	2003	1982.7	3.0	DM_3541	$ 131,120	100	9.2	$ 12,066	6.1	$ 4,022	$ 16,088
21168057A	36551 N 12TH ST	1987	2610.0	1.0	DM_1438	$ 246,191	100	10.6	$ 26,052	7.1	$ 8,684	$ 34,736
21152018F	36026 N 12TH ST	1993	3201.8	1.0	DM_3113	$ 303,966	100	11.1	$ 33,649	7.4	$ 11,216	$ 44,865
21174007E		2007	2783.2	1.0	DM_3730	$ 263,102	100	11.7	$ 30,767	7.8	$ 10,256	$ 41,022
21153074C	35842 N CENTRAL AVE	1996	1634.2	0.0	DM_4082	$ -	100	13.1	$ 21,157	8.7	$ 7,052	$ 28,210
21168052H	37315 N 13TH PL	2005	4437.3	1.0	DM_1188	$ 424,589	100	15.3	$ 65,044	10.2	$ 21,681	$ 86,726
								Total	**$ 1,240,341**		**$ 413,447**	**$ 1,653,787**

APPENDIX D

HAZUS RESULTS TABLES

PARK GROVE ESTATES

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412705	703 E. Cullumber Ave,	1987	3118.5	0.5	PR_20	295830	50	1.5	4329	1.0	1443	5772
30412728	694 E. Washington St,	1985	3816.2	1.0	PR_40	363951	50	1.6	5822	1.1	1941	7762
30412736	683 E. Washington St,	1986	4116.2	0.5	PR_223	393238	50	1.9	7310	1.2	2437	9746
30412702	694 E. Cullumber Ave,	1986	3031.9	1.0	PR_17	287384	50	2.8	8032	1.9	2677	10709
30423194	525 E PALO VERDE ST	1996	5451.4	1.0	PR_80	801505	50	7.6	60987	5.1	20329	81317
30423193	526 E PALO VERDE ST	1986	4031.9	1.0	PR_77	587716	50	12.6	74137	8.4	24712	98850
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	651291	50	17.9	116631	11.9	38877	155508
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	303171	50	18.0	54592	12.0	18224	72816
30412729	686 E. Washington St,	1985	3527.1	1.0	PR_41	335722	50	18.0	60510	12.1	20274	80784
30412721	688 E. Linda Ln,	1985	3267.2	1.0	PR_32	310357	50	18.1	56113	12.3	19025	75138
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	1095525	50	18.1	198216	12.3	67392	265608
30412706	176 N. Honeysuckle Ln,	1985	2550.4	1.0	PR_250	240375	50	18.2	43779	12.7	15254	59033
30412722	680 E. Linda Ln,	1985	3312.1	0.5	PR_33	314737	50	18.3	57655	13.0	20512	78167
30412712	682 E. Park Ave,	1985	4384.4	0.5	PR_24	419427	50	18.6	78159	14.1	29492	107651
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	340301	50	18.7	63494	14.1	24058	87552
30412713	679 E. Park Ave,	1985	3916.0	1.0	PR_219	373693	50	18.7	69922	14.3	26739	96660
30412703	691 E. Cullumber Ave,	1986	3637.4	1.0	PR_18	346498	50	18.8	65153	14.6	25312	90465
30412732	662 E WASHINGTON ST	1985	3834.5	0.5	PR_44	365740	50	18.8	68790	14.6	26750	95541
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	346977	50	19.1	66261	15.6	27002	93263
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	885105	50	19.2	169868	15.9	70249	240118
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	325513	50	19.2	62595	16.0	26034	88629
30412724	669 E. Linda Ln,	1985	3688.4	0.5	PR_35	351471	50	19.4	68086	16.5	28922	97007
30412723	672 E. Linda Ln,	1984	3199.3	0.5	PR_34	303720	50	19.5	59304	17.0	25754	85058
30412725	677 E. Linda Ln,	1985	3612.1	0.2	PR_229	344022	50	19.7	67943	17.7	30422	98364
30423196	549 E PALO VERDE ST	1985	4508.3	0.5	PR_85	659466	50	19.9	131011	18.1	59567	190578
30423191	548 E PALO VERDE ST	1985	4498.0	0.5	PR_74	657922	50	20.3	133306	19.4	63656	196962
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	776805	50	21.8	169262	24.3	94444	263707
								Total	**$ 2,021,267**		**$ 811,499**	**$ 2,832,767**
30412704	697 E CULLUMBER AVE	1985	3728.2	1.5	PR_19	355356	100	0.9	3303	0.6	1101	4404
30413273	210 N HERITAGE DR	1988	2665.9	1.0	PR_2	251648	100	1.0	2510	0.7	837	3347
30412753	109 N. Honeysuckle Ln, Gilb	1986	3686.9	1.0	PR_59	351330	100	1.6	5512	1.0	1837	7349

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412756	157 N. Honeysuckle Ln, Gilb	1985	3766.2	1.0	PR_62	359069	100	1.6	5704	1.1	1901	7606
30413275	222 N HERITAGE DR	1988	2983.1	1.0	PR_4	282620	100	1.9	5254	1.2	1751	7005
30412716	703 E PARK AVE	1985	3607.7	1.5	PR_27	343597	100	2.0	6878	1.3	2293	9170
30412733	659 E WASHINGTON ST	1989	4830.4	2.0	PR_45	462965	100	2.4	11068	1.6	3689	14757
30413272	204 N HERITAGE DR	1988	2184.2	1.0	PR_1	204625	100	3.1	6371	2.1	2124	8495
30412752	97 N. Honeysuckle Ln, Gilbe	1986	3937.0	2.0	PR_58	375742	100	4.3	16339	2.9	5446	21785
30412742	735 E. Washington St, Gilbe	1984	3811.5	1.0	PR_251	363489	100	5.0	18322	3.4	6107	24429
30412933	708 E. Cullumber Ave, Gilbe	1988	2890.5	0.5	PR_65	273571	100	5.7	15701	3.8	5234	20935
30412744	720 E. Washington St, Gilbe	1984	4015.3	1.0	PR_52	383385	100	7.1	27252	4.7	9084	36335
30413277	234 N HERITAGE DR	1988	2313.4	1.0	PR_6	217231	100	7.6	16472	5.1	5491	21963
30412934	716 E. Cullumber Ave, Gilbe	1988	4461.0	1.0	PR_248	426903	100	7.7	33000	5.2	11000	43999
30412743	730 E. Washington St, Gilbe	1984	3754.6	1.0	PR_51	357939	100	8.0	28628	5.3	9543	38171
30412755	145 N. Honeysuckle Ln, Gilb	1985	3740.7	1.0	PR_61	356581	100	9.0	32210	6.0	10737	42946
30423194	525 E PALO VERDE ST	1996	5451.4	1.0	PR_80	801505	100	9.0	72523	6.0	24174	96697
30412739	705 E. Washington St, Gilbe	1987	3261.1	2.0	PR_48	309756	100	9.6	29804	6.4	9935	39739
30423369	717 E COMSTOCK ST	1987	2830.0	0.3	PR_221	267667	100	11.0	29463	8.0	10736	40199
30412745	710 E WASHINGTON ST	1984	3427.2	1.0	PR_53	325977	100	12.1	39502	8.1	13167	52669
30412012(	745 E RODGERS CT	1986	1094.8	0.5	PR_16	98268	100	12.3	12052	12.1	5924	17976
30412708	152 N. Honeysuckle Ln, Gilb	1986	3232.5	0.3	PR_208	306962	100	12.3	37656	8.2	12552	50208
30412707	164 N. Honeysuckle Ln, Gilb	1987	3343.9	0.5	PR_21	317845	100	13.8	43733	9.2	14578	58311
30423193	526 E PALO VERDE ST	1986	4031.9	1.0	PR_77	587716	100	14.1	82596	9.4	27532	110128
30412718	712 E. Linda Ln, Gilbert, AZ,	1986	4077.3	0.5	PR_29	389443	100	14.2	55424	9.5	18475	73899
30412748	715 E. Linda Ln, Gilbert, AZ,	1984	3964.8	0.5	PR_56	378462	100	14.4	54444	9.6	18148	72591
30412746	700 E. Washington St, Gilbe	1987	4753.9	1.0	PR_54	455492	100	15.6	70999	10.4	23666	94666
30423354	641 E SIERRA MADRE	1986	3139.2	0.5	PR_152	297851	100	18.0	53677	12.1	17975	71652
30423353	649 E SIERRA MADRE	1986	3329.3	0.5	PR_151	316412	100	18.0	57090	12.1	19206	76296
30423370	709 E COMSTOCK ST	1988	3102.9	0.1	PR_167	294315	100	18.1	53260	12.3	18119	71379
30423367	733 E COMSTOCK ST	1987	3405.3	0.5	PR_165	323835	100	18.3	59103	12.8	20751	79854
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	651291	100	18.3	119182	13.0	42245	161427
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	303171	100	18.3	55561	13.1	19800	75361
30412719	704 E. Linda Ln, Gilbert, AZ,	1985	3760.6	0.5	PR_30	358522	100	18.3	65777	13.1	23531	89308

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	1095525	100	18.4	201720	13.3	73085	274805
30412941	724 E. Cullumber Ave, Gilbe	1988	4195.0	1.5	PR_200	400928	100	18.7	74931	14.2	28547	103479
30412727	693 E. Linda Ln, Gilbert, AZ,	1984	4068.9	1.0	PR_38	388618	100	18.7	72754	14.3	27871	100625
30412720	696 E. Linda Ln, Gilbert, AZ,	1985	3599.5	1.0	PR_31	342796	100	18.8	64412	14.6	24969	89380
30412715	695 E. Park Ave, Gilbert, AZ	1985	3238.1	0.5	PR_26	307515	100	18.9	58033	14.8	22806	80839
30412711	691 E Cullumber	1985	503.1	1.0	PR_300	40501	100	19.2	7761	15.8	3195	10956
30412717	711 E. Park Ave, Gilbert, AZ	1986	4025.7	0.5	PR_28	384405	100	19.2	73761	15.9	30488	104250
30412749	723 E. Linda Ln, Gilbert, AZ,	1984	2564.3	0.5	PR_57	241729	100	19.2	46506	16.0	19370	65876
30412750	73 N HONEYSUCKLE LN	1987	3385.1	0.5	PR_228	321863	100	19.4	62400	16.5	26567	88967
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	346977	100	19.4	67371	16.6	28805	96176
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	885105	100	19.5	172699	16.9	74849	247548
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	325513	100	19.5	63636	17.0	27726	91362
30412705	703 E. Cullumber Ave, Gilbe	1987	3118.5	0.5	PR_20	295830	100	19.8	58590	17.9	26428	85017
30412728	694 E. Washington St, Gilbe	1985	3816.2	1.0	PR_40	363951	100	19.8	72191	18.0	32692	104883
30412736	683 E. Washington St, Gilbe	1986	4116.2	0.5	PR_223	393238	100	19.9	78227	18.2	35691	113918
30412702	694 E. Cullumber Ave, Gilbe	1986	3031.9	1.0	PR_17	287384	100	20.1	57767	18.8	27055	84822
30423196	549 E PALO VERDE ST	1985	4508.3	0.5	PR_85	659466	100	20.2	133120	19.1	62994	196114
30412738	699 E. Washington St, Gilbe	1986	4110.5	0.5	PR_222	392680	100	20.3	79654	19.4	38139	117793
30423191	548 E PALO VERDE ST	1985	4498.0	0.5	PR_74	657922	100	20.6	135410	20.4	67075	202486
30413276	228 N HERITAGE DR	1988	1640.7	0.5	PR_5	151558	100	20.9	31693	21.5	16264	47958
30412734	667 E. Washington St, Gilbe	1986	3235.3	0.5	PR_231	307239	100	21.0	64373	21.6	33173	97546
30412932	700 E. Cullumber Ave, Gilbe	1987	3716.1	2.0	PR_64	354177	100	21.4	75941	23.2	41057	116998
30412757	169 N HONEYSUCKLE LN	1988	3243.1	0.5	PR_63	307998	100	21.7	66908	24.1	37117	104025
30412747	707 E. Linda Ln, Gilbert, AZ,	1985	3458.5	0.5	PR_55	329030	100	21.9	72155	24.8	40753	112908
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	776805	100	22.1	171534	25.3	98163	269697
30412012H	755 E RODGERS CT	1986	3686.1	0.5	PR_226	351248	100	22.2	77864	25.6	44888	122752
30412737	691 E. Washington St, Gilbe	1986	4249.8	0.5	PR_47	406278	100	22.2	90226	25.7	52193	142419
30412709	706 E. Park Ave, Gilbert, AZ	1986	3326.4	1.0	PR_22	316131	100	22.4	70819	26.3	41633	112452
30412726	685 E LINDA LN	1984	3513.0	0.5	PR_36	334352	100	22.4	74958	26.4	44129	119087
30412711	690 E. Park Ave, Gilbert, AZ	1985	3562.6	0.5	PR_216	339195	100	22.4	76145	26.5	44935	121080
30412735	675 E. Washington St, Gilbe	1986	3829.6	0.5	PR_46	365262	100	22.5	82135	26.6	48621	130756

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412714	687 E. Park Ave, Gilbert, AZ	1987	3590.4	1.0	PR_25	341908	100	22.6	77268	27.0	46153	123421
30412730	678 E. Washington St, Gilbe	1986	4170.8	0.5	PR_42	398566	100	22.7	90566	27.4	54623	145189
30412710	698 E. Park Ave, Gilbert, AZ	1986	3811.3	0.5	PR_23	363469	100	23.0	83473	28.2	51284	134757
30412729	686 E. Washington St, Gilbe	1985	3527.1	1.0	PR_41	335722	100	23.1	77646	28.8	48276	125922
30412721	688 E. Linda Ln, Gilbert, AZ,	1985	3267.2	1.0	PR_32	310357	100	23.2	71910	28.9	44847	116757
30412706	176 N. Honeysuckle Ln, Gilb	1985	2550.4	1.0	PR_250	240375	100	23.3	55934	29.2	35133	91068
30412722	680 E. Linda Ln, Gilbert, AZ,	1985	3312.1	0.5	PR_33	314737	100	23.3	73487	29.5	46417	119904
30412712	682 E. Park Ave, Gilbert, Az	1985	4384.4	0.5	PR_24	419427	100	23.6	98926	30.3	63516	162442
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	340301	100	23.6	80323	30.3	51633	131956
30412713	679 E. Park Ave, Gilbert, AZ	1985	3916.0	1.0	PR_219	373693	100	23.6	88353	30.5	56946	145299
30412703	691 E. Cullumber Ave, Gilbe	1986	3637.4	1.0	PR_18	346498	100	23.7	82163	30.7	53201	135364
30412732	662 E WASHINGTON ST	1985	3834.5	0.5	PR_44	365740	100	23.7	86740	30.7	56180	142921
30412724	669 E. Linda Ln, Gilbert, AZ,	1985	3688.4	0.5	PR_35	351471	100	24.1	84840	32.1	56462	141302
30412723	672 E. Linda Ln, Gilbert, AZ,	1984	3199.3	0.5	PR_34	303720	100	24.3	73666	32.5	49377	123042
30412725	677 E. Linda Ln, Gilbert, AZ,	1985	3612.1	0.2	PR_229	344022	100	24.4	84017	33.1	56890	140908
								Total	**$ 4,971,376**		**$ 2,410,907**	**$ 7,382,283**

30912006	627 E SEATTLE SLEW LN	2000	9160.6	1.0	PR_188	1360155	500	0.9	11984	0.6	3995	15979
30497195	220 N HONEYSUCKLE LN	1996	2787.0	1.0	PR_268	263472	500	1.0	2508	0.7	912	3420
30497197	232 N HONEYSUCKLE LN	1987	2105.8	1.0	PR_266	196967	500	3.8	7453	2.8	2710	10163
30423191	548 E PALO VERDE ST	1985	692.1	2.0	PR_71	84711	500	4.7	3955	3.1	1318	5274
30423365	749 E COMSTOCK ST	1988	2963.6	0.7	PR_163	280714	500	6.0	16968	4.0	5656	22624
30423363	742 E SIERRA MADRE DR	1988	4022.4	1.0	PR_161	384081	500	6.2	23723	4.1	7908	31630
30413274	216 N HERITAGE DR	1988	2369.7	1.5	PR_3	222729	500	9.7	21612	6.5	7204	28816
30423369	717 E COMSTOCK ST	1987	2830.0	0.3	PR_221	267667	500	11.3	30260	8.9	11931	42191
30497187	225 N HONEYSUCKLE LN	1994	3801.3	0.5	PR_181	362495	500	11.8	42699	10.3	18737	61435
30412012(	745 E RODGERS CT	1986	1094.8	0.5	PR_16	98268	500	15.1	14866	20.1	9890	24756
30413031	130 N HERITAGE DR	1986	1776.2	0.2	PR_784	138597	500	15.5	21429	17.5	12153	33582
30413027	154 N HERITAGE DR	1986	1640.3	0.2	PR_782	127506	500	15.5	19740	17.8	11336	31077
30413030	136 N HERITAGE DR	1986	1924.3	0.2	PR_257	150676	500	15.5	23396	18.3	13809	37205
30413026	160 N HERITAGE DR	1986	2234.3	0.2	PR_255	175967	500	15.5	27357	18.6	16331	43688

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30413036	100 N HERITAGE DR	1985	2139.0	0.2	PR_260	168198	500	15.5	26152	18.6	15628	41780
30413037	72 N HERITAGE DR	1985	2064.4	0.2	PR_787	162108	500	15.6	25208	18.6	15078	40286
30413032	124 N HERITAGE DR	1986	2399.7	0.2	PR_258	189465	500	15.6	29467	18.6	17650	47117
30413033	118 N HERITAGE DR	1986	1660.4	0.2	PR_785	129151	500	15.6	20104	18.8	12138	32242
30413023	178 N HERITAGE DR	1986	1739.5	0.2	PR_780	135603	500	15.6	21173	19.4	13129	34301
30413035	106 N HERITAGE DR	1985	2198.2	0.2	PR_786	173024	500	15.6	27023	19.4	16796	43819
30413022	184 N HERITAGE DR	1986	2190.8	0.2	PR_253	172416	500	15.6	26956	19.6	16909	43866
30413034	112 N HERITAGE DR	1985	2035.3	0.2	PR_259	159731	500	15.7	25008	19.9	15876	40884
30413028	148 N HERITAGE DR	1986	2287.7	0.2	PR_256	180324	500	15.7	28242	19.9	17980	46223
30413029	142 N HERITAGE DR	1986	1641.8	0.2	PR_783	127634	500	15.7	20056	20.6	13122	33178
30413040	54 N HERITAGE DR	1985	2047.6	0.2	PR_262	160741	500	15.8	25369	21.4	17194	42564
30413041	801 E LINDA LN	1985	2098.4	0.2	PR_789	164879	500	15.8	26023	21.4	17637	43660
30413024	172 N HERITAGE DR	1986	2393.3	0.2	PR_254	188940	500	15.9	29965	22.3	21079	51043
30413025	166 N HERITAGE DR	1986	2326.7	0.2	PR_781	183508	500	15.9	29103	22.3	20473	49576
30423194	525 E PALO VERDE ST	1996	5451.4	1.0	PR_80	801505	500	16.2	130235	10.8	43412	173646
30413039	60 N HERITAGE DR	1986	1954.6	0.2	PR_788	153149	500	16.5	25263	24.5	18757	44020
30413038	66 N HERITAGE DR	1986	2101.2	0.2	PR_261	165108	500	16.5	27299	24.5	20254	47553
30412012F	750 E RODGERS CT	1986	4029.5	2.0	PR_10	384776	500	17.6	67679	11.7	22560	90238
30423361	726 E SIERRA MADRE	1986	4135.7	0.2	PR_159	395146	500	18.2	71817	12.6	24831	96648
30423188	710 E PALO VERDE ST	1984	2909.2	0.5	PR_68	418628	500	18.2	76189	12.6	26476	102665
30423307	117 S PARK GROVE CT	1987	3577.6	0.5	PR_217	340653	500	18.2	62069	12.7	21661	83730
30423198	641 E PALO VERDE ST	1983	4102.9	0.0	PR_88	598409	500	18.2	109131	12.8	38207	147338
30413279	246 N HERITAGE DR	1985	2509.9	1.0	PR_8	236419	500	18.4	43455	13.2	15646	59101
30423360	718 E SIERRA MADRE	1986	3471.3	0.2	PR_158	330279	500	18.4	60816	13.3	22036	82853
30412740	715 E. Washington St, Gilbe	1986	3094.7	1.5	PR_49	293515	500	18.4	54102	13.4	19674	73777
30423364	750 E SIERRA MADRE	1988	3247.8	0.5	PR_162	308457	500	18.4	56864	13.4	20688	77552
30423366	741 E COMSTOCK ST	1994	4338.6	0.5	PR_164	414950	500	18.5	76841	13.7	28390	105231
30412751	85 N. Honeysuckle Ln, Gilbe	1988	3143.6	1.0	PR_213	298288	500	18.5	55290	13.7	20494	75783
30423303	102 S PARK GROVE CT	1987	2990.7	0.5	PR_225	283362	500	18.6	52652	13.9	19677	72329
30423304	110 S PARK GROVE CT	1987	3156.4	0.5	PR_117	299532	500	18.7	56045	14.3	21432	77477
30423352	657 E SIERRA MADRE	1986	2938.9	0.5	PR_224	278305	500	18.7	52099	14.3	19955	72055

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412704	697 E CULLUMBER AVE	1985	3728.2	1.5	PR_19	355356	500	18.8	66829	14.6	25977	92805
30413273	210 N HERITAGE DR	1988	2665.9	1.0	PR_2	251648	500	18.8	47363	14.7	18457	65821
30423193	526 E PALO VERDE ST	1986	4031.9	1.0	PR_77	587716	500	18.9	111006	14.9	43741	154747
30412753	109 N. Honeysuckle Ln, Gilb	1986	3686.9	1.0	PR_59	351330	500	18.9	66571	15.1	26493	93064
30412756	157 N. Honeysuckle Ln, Gilb	1985	3766.2	1.0	PR_62	359069	500	19.0	68053	15.1	27103	95156
30413275	222 N HERITAGE DR	1988	2983.1	1.0	PR_4	282620	500	19.0	53734	15.3	21608	75342
30423302	101 S SILVERADO ST	1986	3675.0	0.5	PR_116	350165	500	19.0	66612	15.3	26831	93442
30413278	240 N HERITAGE DR	1988	2334.4	1.0	PR_7	219279	500	19.0	41757	15.4	16873	58630
30412716	703 E PARK AVE	1985	3607.7	1.5	PR_27	343597	500	19.0	65436	15.4	26447	91884
30412733	659 E WASHINGTON ST	1989	4830.4	2.0	PR_45	462965	500	19.1	88569	15.7	36286	124855
30423340	101 S RIATA DR	1985	4057.5	0.5	PR_220	387510	500	19.2	74471	16.0	30919	105390
30423305	118 S PARK GROVE CT	1986	3293.0	0.5	PR_118	312872	500	19.2	60216	16.0	25108	85323
30413272	204 N HERITAGE DR	1988	2184.2	1.0	PR_1	204625	500	19.3	39475	16.2	16572	56047
30423351	102 S SILVERADO ST	1986	3270.1	0.5	PR_150	310637	500	19.5	60453	16.7	26013	86466
30497190	207 N HONEYSUCKLE LN	1994	3638.5	0.5	PR_265	346599	500	19.5	67582	16.9	29236	96818
30412752	97 N. Honeysuckle Ln, Gilbe	1986	3937.0	2.0	PR_58	375742	500	19.6	73517	17.1	32106	105623
30412933	708 E. Cullumber Ave, Gilbe	1988	2890.5	0.5	PR_65	273571	500	19.6	53601	17.2	23497	77099
30423354	641 E SIERRA MADRE	1986	3139.2	0.5	PR_152	297851	500	19.6	58443	17.3	25720	84163
30423353	649 E SIERRA MADRE	1986	3329.3	0.5	PR_151	316412	500	19.6	62153	17.3	27433	89586
30423368	725 E COMSTOCK ST	1988	3416.3	0.1	PR_166	324905	500	19.7	63855	17.4	28223	92078
30412742	735 E. Washington St, Gilbe	1984	3811.5	1.0	PR_251	363489	500	19.7	71452	17.4	31598	103050
30423370	709 E COMSTOCK ST	1988	3102.9	0.1	PR_167	294315	500	19.7	57969	17.5	25772	83741
30423367	733 E COMSTOCK ST	1987	3405.3	0.5	PR_165	323835	500	19.9	64285	18.0	29171	93456
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	651291	500	19.9	129603	18.2	59180	188783
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	303171	500	19.9	60412	18.3	27683	88095
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	1095525	500	20.0	219249	18.5	101571	320820
30423339	608 E SIERRA MADRE	1986	3700.7	0.5	PR_140	352677	500	20.2	71076	19.0	33501	104577
30412744	720 E. Washington St, Gilbe	1984	4015.3	1.0	PR_52	383385	500	20.2	77364	19.1	36580	113944
30413277	234 N HERITAGE DR	1988	2313.4	1.0	PR_6	217231	500	20.3	44065	19.4	21099	65163
30412743	730 E. Washington St, Gilbe	1984	3754.6	1.0	PR_51	357939	500	20.4	72937	19.7	35302	108239
30412755	145 N. Honeysuckle Ln, Gilb	1985	3740.7	1.0	PR_61	356581	500	20.4	72699	19.8	35230	107929

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412934	716 E. Cullumber Ave, Gilbe	1988	4461.0	1.0	PR_248	426903	500	20.6	88086	20.6	43885	131972
30413315	801 E VAUGHN AVE	1993	1872.5	0.5	PR_234	174188	500	20.7	35997	20.7	17996	53993
30412739	705 E. Washington St, Gilbe	1987	3261.1	2.0	PR_48	309756	500	20.7	64237	20.9	32366	96603
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	346977	500	21.0	72923	21.8	37827	110750
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	885105	500	21.1	186862	22.1	97863	284725
30497189	213 N HONEYSUCKLE LN	1994	3915.8	0.5	PR_182	373675	500	21.1	78890	22.1	41316	120206
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	325513	500	21.1	68844	22.2	36190	105034
30497186	231 N HONEYSUCKLE LN	1994	3701.5	0.5	PR_180	352750	500	21.2	74629	22.3	39257	113886
30412745	710 E WASHINGTON ST	1984	3427.2	1.0	PR_53	325977	500	21.3	69409	22.7	36999	106408
30412708	152 N. Honeysuckle Ln, Gilb	1986	3232.5	0.3	PR_208	306962	500	21.3	65462	22.8	35007	100468
30497188	219 N HONEYSUCKLE LN	1994	3946.0	0.5	PR_274	376619	500	21.4	80473	22.9	43205	123677
30412748	715 E. Linda Ln, Gilbert, AZ,	1984	3964.8	0.5	PR_56	378462	500	21.6	81630	23.6	44656	126286
30412707	164 N. Honeysuckle Ln, Gilb	1987	3343.9	0.5	PR_21	317845	500	21.7	68836	23.9	37960	106796
30412718	712 E. Linda Ln, Gilbert, AZ,	1986	4077.3	0.5	PR_29	389443	500	21.8	84751	24.2	47176	131927
30423196	549 E PALO VERDE ST	1985	4508.3	0.5	PR_85	659466	500	21.8	143672	24.3	80141	223813
30412754	133 N HONEYSUCKLE LN	1986	4125.8	0.5	PR_60	394175	500	21.9	86162	24.5	48368	134530
30412746	700 E. Washington St, Gilbe	1987	4753.9	1.0	PR_54	455492	500	22.0	100347	25.1	57167	157514
30423191	548 E PALO VERDE ST	1985	4498.0	0.5	PR_74	657922	500	22.1	145639	25.5	83734	229373
30412719	704 E. Linda Ln, Gilbert, AZ,	1985	3760.6	0.5	PR_30	358522	500	22.7	81419	27.4	49056	130475
30412941	724 E. Cullumber Ave, Gilbe	1988	4195.0	1.5	PR_200	400928	500	23.0	92270	28.4	56892	149162
30412727	693 E. Linda Ln, Gilbert, AZ,	1984	4068.9	1.0	PR_38	388618	500	23.0	89472	28.4	55204	144677
30412720	696 E. Linda Ln, Gilbert, AZ,	1985	3599.5	1.0	PR_31	342796	500	23.0	78988	28.5	48804	127792
30412715	695 E. Park Ave, Gilbert, AZ	1985	3238.1	0.5	PR_26	307515	500	23.1	71046	28.7	44095	115141
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	776805	500	23.3	181024	29.3	113979	295004
30412711	691 E Cullumber	1985	503.1	1.0	PR_300	40501	500	23.3	9445	29.4	5955	15400
30412717	711 E. Park Ave, Gilbert, AZ	1986	4025.7	0.5	PR_28	384405	500	23.3	89724	29.5	56642	146367
30412749	723 E. Linda Ln, Gilbert, AZ,	1984	2564.3	0.5	PR_57	241729	500	23.4	56513	29.6	35771	92284
30412750	73 N HONEYSUCKLE LN	1987	3385.1	0.5	PR_228	321863	500	23.5	75606	30.0	48226	123832
30412736	683 E. Washington St, Gilbe	1986	4116.2	0.5	PR_223	393238	500	23.8	93500	30.9	60800	154300
30412705	703 E. Cullumber Ave, Gilbe	1987	3118.5	0.5	PR_20	295830	500	23.8	70418	31.0	45871	116290
30412728	694 E. Washington St, Gilbe	1985	3816.2	1.0	PR_40	363951	500	23.8	86716	31.1	56572	143288

Hazus Summary Table
Park Grove Estates Study Area
Run 1

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412702	694 E. Cullumber Ave, Gilbe	1986	3031.9	1.0	PR_17	287384	500	24.0	69045	31.8	45625	114670
30412738	699 E. Washington St, Gilbe	1986	4110.5	0.5	PR_222	392680	500	24.2	94884	32.2	63242	158126
30413276	228 N HERITAGE DR	1988	1640.7	0.5	PR_5	151558	500	24.6	37334	33.8	25597	62931
30412734	667 E. Washington St, Gilbe	1986	3235.3	0.5	PR_231	307239	500	24.7	75777	33.9	52045	127822
30412932	700 E. Cullumber Ave, Gilbe	1987	3716.1	2.0	PR_64	354177	500	25.0	88653	35.0	61999	150652
30412757	169 N HONEYSUCKLE LN	1988	3243.1	0.5	PR_63	307998	500	25.2	77746	35.1	54024	131770
30412747	707 E. Linda Ln, Gilbert, AZ,	1985	3458.5	0.5	PR_55	329030	500	25.4	83564	35.1	57798	141362
30412711	690 E. Park Ave, Gilbert, AZ	1985	3562.6	0.5	PR_216	339195	500	25.6	86847	35.2	59700	146548
30412012H	755 E RODGERS CT	1986	3686.1	0.5	PR_226	351248	500	25.6	89981	35.2	61830	151811
30412737	691 E. Washington St, Gilbe	1986	4249.8	0.5	PR_47	406278	500	25.7	104242	35.2	71544	175786
30412709	706 E. Park Ave, Gilbert, AZ	1986	3326.4	1.0	PR_22	316131	500	25.9	81724	35.3	55772	137496
30412726	685 E LINDA LN	1984	3513.0	0.5	PR_36	334352	500	25.9	86492	35.3	58996	145488
30412735	675 E. Washington St, Gilbe	1986	3829.6	0.5	PR_46	365262	500	25.9	94736	35.3	64491	159227
30412714	687 E. Park Ave, Gilbert, AZ	1987	3590.4	1.0	PR_25	341908	500	26.0	89063	35.3	60432	149495
30412730	678 E. Washington St, Gilbe	1986	4170.8	0.5	PR_42	398566	500	26.2	104315	35.4	70528	174843
30412710	698 E. Park Ave, Gilbert, AZ	1986	3811.3	0.5	PR_23	363469	500	26.4	96012	35.5	64464	160476
30412729	686 E. Washington St, Gilbe	1985	3527.1	1.0	PR_41	335722	500	26.6	89297	35.5	59646	148943
30412721	688 E. Linda Ln, Gilbert, AZ,	1985	3267.2	1.0	PR_32	310357	500	26.6	82616	35.5	55150	137766
30412706	176 N. Honeysuckle Ln, Gilb	1985	2550.4	1.0	PR_250	240375	500	26.7	64227	35.6	42754	106981
30412722	680 E. Linda Ln, Gilbert, AZ,	1985	3312.1	0.5	PR_33	314737	500	26.8	84345	35.6	56022	140367
30412712	682 E. Park Ave, Gilbert, Az	1985	4384.4	0.5	PR_24	419427	500	27.0	113395	35.7	74823	188218
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	340301	500	27.1	92063	35.7	60717	152780
30412713	679 E. Park Ave, Gilbert, AZ	1985	3916.0	1.0	PR_219	373693	500	27.1	101244	35.7	66700	167944
30412703	691 E. Cullumber Ave, Gilbe	1986	3637.4	1.0	PR_18	346498	500	27.2	94116	35.7	61886	156002
30412732	662 E WASHINGTON ST	1985	3834.5	0.5	PR_44	365740	500	27.2	99357	35.7	65325	164682
30412724	669 E. Linda Ln, Gilbert, AZ,	1985	3688.4	0.5	PR_35	351471	500	27.6	96965	35.9	63024	159989
30412723	672 E. Linda Ln, Gilbert, AZ,	1984	3199.3	0.5	PR_34	303720	500	27.8	84407	35.9	54564	138970
30412725	677 E. Linda Ln, Gilbert, AZ,	1985	3612.1	0.2	PR_229	344022	500	27.9	95885	36.0	61850	157736
								Total	**$ 9,067,775**		**$ 4,919,590**	**$ 13,987,365**

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30423190	626 E PALO VERDE ST	1993	1931.5	1.0	PR_69	$ 189,219	50	0.6	$ 1,189	5.7	$ 10,872	$ 12,061
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	$ 303,171	50	18.0	$ 54,592	12.0	$ 18,224	$ 72,816
30412729	686 E. Washington St,	1985	3527.1	1.0	PR_41	$ 335,722	50	18.0	$ 60,510	12.1	$ 20,274	$ 80,784
30412721	688 E. Linda Ln,	1985	3267.2	1.0	PR_32	$ 310,357	50	18.1	$ 56,113	12.3	$ 19,025	$ 75,138
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	$ 1,095,525	50	18.1	$ 198,216	12.3	$ 67,392	$ 265,608
30412706	176 N. Honeysuckle Ln,	1985	2550.4	1.0	PR_250	$ 240,375	50	18.2	$ 43,779	12.7	$ 15,254	$ 59,033
30412722	680 E. Linda Ln,	1985	3312.1	0.5	PR_33	$ 314,737	50	18.3	$ 57,655	13.0	$ 20,512	$ 78,167
30412705	703 E. Cullumber Ave,	1987	3118.5	0.5	PR_20	$ 295,830	50	18.3	$ 54,211	13.1	$ 19,313	$ 73,525
30412728	694 E. Washington St,	1985	3816.2	1.0	PR_40	$ 363,951	50	18.4	$ 66,805	13.2	$ 23,939	$ 90,744
30412736	683 E. Washington St,	1986	4116.2	0.5	PR_223	$ 393,238	50	18.4	$ 72,407	13.3	$ 26,234	$ 98,641
30412702	694 E. Cullumber Ave,	1986	3031.9	1.0	PR_17	$ 287,384	50	18.6	$ 53,514	14.0	$ 20,144	$ 73,657
30412712	682 E. Park Ave,	1985	4384.4	0.5	PR_24	$ 419,427	50	18.6	$ 78,159	14.1	$ 29,492	$ 107,651
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	$ 340,301	50	18.7	$ 63,494	14.1	$ 24,058	$ 87,552
30412713	679 E. Park Ave,	1985	3916.0	1.0	PR_219	$ 373,693	50	18.7	$ 69,922	14.3	$ 26,739	$ 96,660
30412703	691 E. Cullumber Ave,	1986	3637.4	1.0	PR_18	$ 346,498	50	18.8	$ 65,153	14.6	$ 25,312	$ 90,465
30412732	662 E WASHINGTON ST	1985	3834.5	0.5	PR_44	$ 365,740	50	18.8	$ 68,790	14.6	$ 26,750	$ 95,541
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	$ 346,977	50	19.1	$ 66,261	15.6	$ 27,002	$ 93,263
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	$ 885,105	50	19.2	$ 169,868	15.9	$ 70,249	$ 240,118
30412724	669 E. Linda Ln,	1985	3688.4	0.5	PR_35	$ 351,471	50	19.4	$ 68,086	16.5	$ 28,922	$ 97,007
30423358	702 E SIERRA CT	1986	3409.2	2.0	PR_156	$ 324,211	50	19.4	$ 62,920	16.6	$ 26,867	$ 89,787
30412723	672 E. Linda Ln,	1984	3199.3	0.5	PR_34	$ 303,720	50	19.5	$ 59,304	17.0	$ 25,754	$ 85,058
30423194	525 E PALO VERDE ST	1996	5451.4	1.0	PR_80	$ 801,505	50	19.7	$ 157,824	17.5	$ 70,114	$ 227,937
30412725	677 E. Linda Ln,	1985	3612.1	0.2	PR_229	$ 344,022	50	19.7	$ 67,943	17.7	$ 30,422	$ 98,364
30423196	549 E PALO VERDE ST	1985	4508.3	0.5	PR_85	$ 659,466	50	19.9	$ 131,011	18.1	$ 59,567	$ 190,578
30423191	548 E PALO VERDE ST	1985	4498.0	0.5	PR_74	$ 657,922	50	20.3	$ 133,306	19.4	$ 63,656	$ 196,962
30423193	526 E PALO VERDE ST	1986	4031.9	1.0	PR_77	$ 587,716	50	20.8	$ 122,264	21.1	$ 62,035	$ 184,299
30423191	548 E PALO VERDE ST	1985	692.1	2.0	PR_71	$ 84,711	50	21.1	$ 17,889	22.1	$ 9,374	$ 27,263
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	$ 776,805	50	21.8	$ 169,262	24.3	$ 94,444	$ 263,707
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	$ 651,291	50	22.0	$ 143,150	24.9	$ 81,194	$ 224,345
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	$ 325,513	50	22.9	$ 74,615	28.1	$ 45,692	$ 120,306
								Total	**$ 2,508,212**		**$ 1,088,826**	**$ 3,597,038**

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30423190	626 E PALO VERDE ST	1993	1931.5	1.0	PR_69	$ 189,219	100	1.3	$ 2,551	7.7	$ 14,654	$ 17,205
30423369	717 E COMSTOCK ST	1987	2830.0	0.3	PR_221	$ 267,667	100	11.0	$ 29,463	8.0	$ 10,736	$ 40,199
30412012C	745 E RODGERS CT	1986	1094.8	0.5	PR_16	$ 98,268	100	12.3	$ 12,052	12.1	$ 5,924	$ 17,976
30423354	641 E SIERRA MADRE	1986	3139.2	0.5	PR_152	$ 297,851	100	18.0	$ 53,677	12.1	$ 17,975	$ 71,652
30423353	649 E SIERRA MADRE	1986	3329.3	0.5	PR_151	$ 316,412	100	18.0	$ 57,090	12.1	$ 19,206	$ 76,296
30423370	709 E COMSTOCK ST	1988	3102.9	0.1	PR_167	$ 294,315	100	18.1	$ 53,260	12.3	$ 18,119	$ 71,379
30413273	210 N HERITAGE DR	1988	2665.9	1.0	PR_2	$ 251,648	100	18.2	$ 45,854	12.7	$ 16,005	$ 61,860
30423367	733 E COMSTOCK ST	1987	3405.3	0.5	PR_165	$ 323,835	100	18.3	$ 59,103	12.8	$ 20,751	$ 79,854
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	$ 303,171	100	18.3	$ 55,561	13.1	$ 19,800	$ 75,361
30412753	109 N. Honeysuckle Ln, Gil	1986	3686.9	1.0	PR_59	$ 351,330	100	18.3	$ 64,464	13.1	$ 23,070	$ 87,534
30412756	157 N. Honeysuckle Ln, Gil	1985	3766.2	1.0	PR_62	$ 359,069	100	18.4	$ 65,900	13.1	$ 23,604	$ 89,504
30413275	222 N HERITAGE DR	1988	2983.1	1.0	PR_4	$ 282,620	100	18.4	$ 52,039	13.3	$ 18,854	$ 70,893
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	$ 1,095,525	100	18.4	$ 201,720	13.3	$ 73,085	$ 274,805
30412941	724 E. Cullumber Ave, Gilb	1988	4195.0	1.5	PR_200	$ 400,928	100	18.7	$ 74,931	14.2	$ 28,547	$ 103,479
30413272	204 N HERITAGE DR	1988	2184.2	1.0	PR_1	$ 204,625	100	18.7	$ 38,248	14.2	$ 14,578	$ 52,826
30412752	97 N. Honeysuckle Ln, Gilb	1986	3937.0	2.0	PR_58	$ 375,742	100	19.0	$ 71,264	15.1	$ 28,445	$ 99,709
30412742	735 E. Washington St, Gilb	1984	3811.5	1.0	PR_251	$ 363,489	100	19.1	$ 69,500	15.6	$ 28,426	$ 97,925
30412717	711 E. Park Ave, Gilbert, A	1986	4025.7	0.5	PR_28	$ 384,405	100	19.2	$ 73,761	15.9	$ 30,488	$ 104,250
30412749	723 E. Linda Ln, Gilbert, AZ	1984	2564.3	0.5	PR_57	$ 241,729	100	19.2	$ 46,506	16.0	$ 19,370	$ 65,876
30412933	708 E. Cullumber Ave, Gilb	1988	2890.5	0.5	PR_65	$ 273,571	100	19.3	$ 52,732	16.1	$ 22,084	$ 74,816
30412750	73 N HONEYSUCKLE LN	1987	3385.1	0.5	PR_228	$ 321,863	100	19.4	$ 62,400	16.5	$ 26,567	$ 88,967
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	$ 346,977	100	19.4	$ 67,371	16.6	$ 28,805	$ 96,176
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	$ 885,105	100	19.5	$ 172,699	16.9	$ 74,849	$ 247,548
30413274	216 N HERITAGE DR	1988	2369.7	1.5	PR_3	$ 222,729	100	19.6	$ 43,558	17.1	$ 18,998	$ 62,556
30412744	720 E. Washington St, Gilb	1984	4015.3	1.0	PR_52	$ 383,385	100	19.6	$ 75,065	17.1	$ 32,844	$ 107,909
30413277	234 N HERITAGE DR	1988	2313.4	1.0	PR_6	$ 217,231	100	19.7	$ 42,762	17.5	$ 18,982	$ 61,744
30412934	716 E. Cullumber Ave, Gilb	1988	4461.0	1.0	PR_248	$ 426,903	100	19.7	$ 84,176	17.6	$ 37,531	$ 121,707
30423358	702 E SIERRA CT	1986	3409.2	2.0	PR_156	$ 324,211	100	19.7	$ 63,957	17.6	$ 28,552	$ 92,509
30412743	730 E. Washington St, Gilb	1984	3754.6	1.0	PR_51	$ 357,939	100	19.8	$ 70,791	17.8	$ 31,814	$ 102,605
30412755	145 N. Honeysuckle Ln, Gil	1985	3740.7	1.0	PR_61	$ 356,581	100	20.0	$ 71,342	18.5	$ 33,026	$ 104,368
30423194	525 E PALO VERDE ST	1996	5451.4	1.0	PR_80	$ 801,505	100	20.0	$ 160,387	18.5	$ 74,279	$ 234,666

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412739	705 E. Washington St, Gilb	1987	3261.1	2.0	PR_48	$ 309,756	100	20.1	$ 62,379	18.9	$ 29,348	$ 91,727
30423196	549 E PALO VERDE ST	1985	4508.3	0.5	PR_85	$ 659,466	100	20.2	$ 133,120	19.1	$ 62,994	$ 196,114
30412738	699 E. Washington St, Gilb	1986	4110.5	0.5	PR_222	$ 392,680	100	20.3	$ 79,654	19.4	$ 38,139	$ 117,793
30423191	548 E PALO VERDE ST	1985	4498.0	0.5	PR_74	$ 657,922	100	20.6	$ 135,410	20.4	$ 67,075	$ 202,486
30412745	710 E WASHINGTON ST	1984	3427.2	1.0	PR_53	$ 325,977	100	20.7	$ 67,454	20.8	$ 33,823	$ 101,277
30412708	152 N. Honeysuckle Ln, Gil	1986	3232.5	0.3	PR_208	$ 306,962	100	20.7	$ 63,621	20.9	$ 32,016	$ 95,637
30413276	228 N HERITAGE DR	1988	1640.7	0.5	PR_5	$ 151,558	100	20.9	$ 31,693	21.5	$ 16,264	$ 47,958
30412734	667 E. Washington St, Gilb	1986	3235.3	0.5	PR_231	$ 307,239	100	21.0	$ 64,373	21.6	$ 33,173	$ 97,546
30412707	164 N. Honeysuckle Ln, Gil	1987	3343.9	0.5	PR_21	$ 317,845	100	21.1	$ 66,930	21.9	$ 34,863	$ 101,794
30423193	526 E PALO VERDE ST	1986	4031.9	1.0	PR_77	$ 587,716	100	21.1	$ 124,144	22.1	$ 65,089	$ 189,233
30412718	712 E. Linda Ln, Gilbert, AZ	1986	4077.3	0.5	PR_29	$ 389,443	100	21.2	$ 82,416	22.3	$ 43,381	$ 125,797
30412748	715 E. Linda Ln, Gilbert, AZ	1984	3964.8	0.5	PR_56	$ 378,462	100	21.2	$ 80,222	22.4	$ 42,368	$ 122,590
30412012F	750 E RODGERS CT	1986	4029.5	2.0	PR_10	$ 384,776	100	21.3	$ 81,992	22.8	$ 43,777	$ 125,769
30423191	548 E PALO VERDE ST	1985	692.1	2.0	PR_71	$ 84,711	100	21.4	$ 18,160	23.2	$ 9,815	$ 27,974
30412932	700 E. Cullumber Ave, Gilb	1987	3716.1	2.0	PR_64	$ 354,177	100	21.4	$ 75,941	23.2	$ 41,057	$ 116,998
30412746	700 E. Washington St, Gilb	1987	4753.9	1.0	PR_54	$ 455,492	100	21.5	$ 97,766	23.3	$ 52,968	$ 150,734
30412757	169 N HONEYSUCKLE LN	1988	3243.1	0.5	PR_63	$ 307,998	100	21.7	$ 66,908	24.1	$ 37,117	$ 104,025
30412747	707 E. Linda Ln, Gilbert, AZ	1985	3458.5	0.5	PR_55	$ 329,030	100	21.9	$ 72,155	24.8	$ 40,753	$ 112,908
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	$ 776,805	100	22.1	$ 171,534	25.3	$ 98,163	$ 269,697
30412704	697 E CULLUMBER AVE	1985	3728.2	1.5	PR_19	$ 355,356	100	22.2	$ 78,729	25.5	$ 45,337	$ 124,066
30412012H	755 E RODGERS CT	1986	3686.1	0.5	PR_226	$ 351,248	100	22.2	$ 77,864	25.6	$ 44,888	$ 122,752
30412737	691 E. Washington St, Gilb	1986	4249.8	0.5	PR_47	$ 406,278	100	22.2	$ 90,226	25.7	$ 52,193	$ 142,419
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	$ 651,291	100	22.2	$ 144,746	25.7	$ 83,848	$ 228,594
30412719	704 E. Linda Ln, Gilbert, AZ	1985	3760.6	0.5	PR_30	$ 358,522	100	22.3	$ 79,807	25.9	$ 46,369	$ 126,176
30412716	703 E PARK AVE	1985	3607.7	1.5	PR_27	$ 343,597	100	22.3	$ 76,738	26.1	$ 44,860	$ 121,598
30412733	659 E WASHINGTON ST	1989	4830.4	2.0	PR_45	$ 462,965	100	22.4	$ 103,697	26.3	$ 60,945	$ 164,642
30412709	706 E. Park Ave, Gilbert, AZ	1986	3326.4	1.0	PR_22	$ 316,131	100	22.4	$ 70,819	26.3	$ 41,633	$ 112,452
30412726	685 E LINDA LN	1984	3513.0	0.5	PR_36	$ 334,352	100	22.4	$ 74,958	26.4	$ 44,129	$ 119,087
30412711	690 E. Park Ave, Gilbert, AZ	1985	3562.6	0.5	PR_216	$ 339,195	100	22.4	$ 76,145	26.5	$ 44,935	$ 121,080
30412735	675 E. Washington St, Gilb	1986	3829.6	0.5	PR_46	$ 365,262	100	22.5	$ 82,135	26.6	$ 48,621	$ 130,756
30412727	693 E. Linda Ln, Gilbert, AZ	1984	4068.9	1.0	PR_38	$ 388,618	100	22.5	$ 87,598	26.8	$ 52,081	$ 139,678

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412720	696 E. Linda Ln, Gilbert, AZ	1985	3599.5	1.0	PR_31	$ 342,796	100	22.6	$ 77,446	27.0	$ 46,235	$ 123,681
30412714	687 E. Park Ave, Gilbert, AZ	1987	3590.4	1.0	PR_25	$ 341,908	100	22.6	$ 77,268	27.0	$ 46,153	$ 123,421
30412715	695 E. Park Ave, Gilbert, AZ	1985	3238.1	0.5	PR_26	$ 307,515	100	22.7	$ 69,664	27.2	$ 41,790	$ 111,453
30412730	678 E. Washington St, Gilb	1986	4170.8	0.5	PR_42	$ 398,566	100	22.7	$ 90,566	27.4	$ 54,623	$ 145,189
30412711	691 E Cullumber	1985	503.1	1.0	PR_300	$ 40,501	100	22.9	$ 9,263	27.9	$ 5,651	$ 14,914
30412710	698 E. Park Ave, Gilbert, AZ	1986	3811.3	0.5	PR_23	$ 363,469	100	23.0	$ 83,473	28.2	$ 51,284	$ 134,757
30412729	686 E. Washington St, Gilb	1985	3527.1	1.0	PR_41	$ 335,722	100	23.1	$ 77,646	28.8	$ 48,276	$ 125,922
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	$ 325,513	100	23.2	$ 75,395	28.9	$ 46,993	$ 122,389
30412721	688 E. Linda Ln, Gilbert, AZ	1985	3267.2	1.0	PR_32	$ 310,357	100	23.2	$ 71,910	28.9	$ 44,847	$ 116,757
30412706	176 N. Honeysuckle Ln, Gil	1985	2550.4	1.0	PR_250	$ 240,375	100	23.3	$ 55,934	29.2	$ 35,133	$ 91,068
30412722	680 E. Linda Ln, Gilbert, AZ	1985	3312.1	0.5	PR_33	$ 314,737	100	23.3	$ 73,487	29.5	$ 46,417	$ 119,904
30412705	703 E. Cullumber Ave, Gilb	1987	3118.5	0.5	PR_20	$ 295,830	100	23.4	$ 69,088	29.5	$ 43,654	$ 112,742
30412728	694 E. Washington St, Gilb	1985	3816.2	1.0	PR_40	$ 363,951	100	23.4	$ 85,079	29.6	$ 53,844	$ 138,923
30412736	683 E. Washington St, Gilb	1986	4116.2	0.5	PR_223	$ 393,238	100	23.4	$ 92,096	29.7	$ 58,460	$ 150,556
30412702	694 E. Cullumber Ave, Gilb	1986	3031.9	1.0	PR_17	$ 287,384	100	23.6	$ 67,753	30.3	$ 43,471	$ 111,224
30412712	682 E. Park Ave, Gilbert, Az	1985	4384.4	0.5	PR_24	$ 419,427	100	23.6	$ 98,926	30.3	$ 63,516	$ 162,442
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	$ 340,301	100	23.6	$ 80,323	30.3	$ 51,633	$ 131,956
30412713	679 E. Park Ave, Gilbert, AZ	1985	3916.0	1.0	PR_219	$ 373,693	100	23.6	$ 88,353	30.5	$ 56,946	$ 145,299
30412703	691 E. Cullumber Ave, Gilb	1986	3637.4	1.0	PR_18	$ 346,498	100	23.7	$ 82,163	30.7	$ 53,201	$ 135,364
30412732	662 E WASHINGTON ST	1985	3834.5	0.5	PR_44	$ 365,740	100	23.7	$ 86,740	30.7	$ 56,180	$ 142,921
30412724	669 E. Linda Ln, Gilbert, AZ	1985	3688.4	0.5	PR_35	$ 351,471	100	24.1	$ 84,840	32.1	$ 56,462	$ 141,302
30412723	672 E. Linda Ln, Gilbert, AZ	1984	3199.3	0.5	PR_34	$ 303,720	100	24.3	$ 73,666	32.5	$ 49,377	$ 123,042
30412725	677 E. Linda Ln, Gilbert, AZ	1985	3612.1	0.2	PR_229	$ 344,022	100	24.4	$ 84,017	33.1	$ 56,890	$ 140,908
								Total	**$ 6,468,619**		**$ 3,403,026**	**$ 9,871,645**

30423190	626 E PALO VERDE ST	1993	1931.5	1.0	PR_69	$ 189,219	500	4.9	$ 9,363	17.7	$ 33,577	$ 42,940
30413983	33 LINDSAY RD	2007	######	2.0	PR_199	$ 2,093,516	500	5.3	$ 111,997	10.4	$ 327,260	$ 439,257
30497195	220 N HONEYSUCKLE LN	1996	2787.0	1.0	PR_268	$ 263,472	500	11.1	$ 29,210	8.3	$ 10,881	$ 40,091
30423369	717 E COMSTOCK ST	1987	2830.0	0.3	PR_221	$ 267,667	500	11.3	$ 30,260	8.9	$ 11,931	$ 42,191
30497197	232 N HONEYSUCKLE LN	1987	2105.8	1.0	PR_266	$ 196,967	500	11.3	$ 22,344	9.0	$ 8,895	$ 31,239
30497187	225 N HONEYSUCKLE LN	1994	3801.3	0.5	PR_181	$ 362,495	500	11.8	$ 42,699	10.3	$ 18,737	$ 61,435

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412012(	745 E RODGERS CT	1986	1094.8	0.5	PR_16	$ 98,268	500	15.1	$ 14,866	20.1	$ 9,890	$ 24,756
30413031	130 N HERITAGE DR	1986	1776.2	0.2	PR_784	$ 138,597	500	15.5	$ 21,429	17.5	$ 12,153	$ 33,582
30413027	154 N HERITAGE DR	1986	1640.3	0.2	PR_782	$ 127,506	500	15.5	$ 19,740	17.8	$ 11,336	$ 31,077
30413030	136 N HERITAGE DR	1986	1924.3	0.2	PR_257	$ 150,676	500	15.5	$ 23,396	18.3	$ 13,809	$ 37,205
30413026	160 N HERITAGE DR	1986	2234.3	0.2	PR_255	$ 175,967	500	15.5	$ 27,357	18.6	$ 16,331	$ 43,688
30413036	100 N HERITAGE DR	1985	2139.0	0.2	PR_260	$ 168,198	500	15.5	$ 26,152	18.6	$ 15,628	$ 41,780
30413037	72 N HERITAGE DR	1985	2064.4	0.2	PR_787	$ 162,108	500	15.6	$ 25,208	18.6	$ 15,078	$ 40,286
30413032	124 N HERITAGE DR	1986	2399.7	0.2	PR_258	$ 189,465	500	15.6	$ 29,467	18.6	$ 17,650	$ 47,117
30413033	118 N HERITAGE DR	1986	1660.4	0.2	PR_785	$ 129,151	500	15.6	$ 20,104	18.8	$ 12,138	$ 32,242
30413023	178 N HERITAGE DR	1986	1739.5	0.2	PR_780	$ 135,603	500	15.6	$ 21,173	19.4	$ 13,129	$ 34,301
30413035	106 N HERITAGE DR	1985	2198.2	0.2	PR_786	$ 173,024	500	15.6	$ 27,023	19.4	$ 16,796	$ 43,819
30413022	184 N HERITAGE DR	1986	2190.8	0.2	PR_253	$ 172,416	500	15.6	$ 26,956	19.6	$ 16,909	$ 43,866
30413034	112 N HERITAGE DR	1985	2035.3	0.2	PR_259	$ 159,731	500	15.7	$ 25,008	19.9	$ 15,876	$ 40,884
30413028	148 N HERITAGE DR	1986	2287.7	0.2	PR_256	$ 180,324	500	15.7	$ 28,242	19.9	$ 17,980	$ 46,223
30413029	142 N HERITAGE DR	1986	1641.8	0.2	PR_783	$ 127,634	500	15.7	$ 20,056	20.6	$ 13,122	$ 33,178
30413040	54 N HERITAGE DR	1985	2047.6	0.2	PR_262	$ 160,741	500	15.8	$ 25,369	21.4	$ 17,194	$ 42,564
30413041	801 E LINDA LN	1985	2098.4	0.2	PR_789	$ 164,879	500	15.8	$ 26,023	21.4	$ 17,637	$ 43,660
30413024	172 N HERITAGE DR	1986	2393.3	0.2	PR_254	$ 188,940	500	15.9	$ 29,965	22.3	$ 21,079	$ 51,043
30413025	166 N HERITAGE DR	1986	2326.7	0.2	PR_781	$ 183,508	500	15.9	$ 29,103	22.3	$ 20,473	$ 49,576
30413039	60 N HERITAGE DR	1986	1954.6	0.2	PR_788	$ 153,149	500	16.5	$ 25,263	24.5	$ 18,757	$ 44,020
30413038	66 N HERITAGE DR	1986	2101.2	0.2	PR_261	$ 165,108	500	16.5	$ 27,299	24.5	$ 20,254	$ 47,553
30423326	33 S SILVERADO ST	1988	4530.0	2.0	PR_128	$ 433,635	500	18.1	$ 78,548	12.4	$ 26,820	$ 105,368
30423361	726 E SIERRA MADRE	1986	4135.7	0.2	PR_159	$ 395,146	500	18.2	$ 71,817	12.6	$ 24,831	$ 96,648
30912006	627 E SEATTLE SLEW LN	2000	9160.6	1.0	PR_188	$ 1,360,155	500	18.2	$ 247,491	12.6	$ 85,937	$ 333,428
30423188	710 E PALO VERDE ST	1984	2909.2	0.5	PR_68	$ 418,628	500	18.2	$ 76,189	12.6	$ 26,476	$ 102,665
30423307	117 S PARK GROVE CT	1987	3577.6	0.5	PR_217	$ 340,653	500	18.2	$ 62,069	12.7	$ 21,661	$ 83,730
30423198	641 E PALO VERDE ST	1983	4102.9	0.0	PR_88	$ 598,409	500	18.2	$ 109,131	12.8	$ 38,207	$ 147,338
30423360	718 E SIERRA MADRE	1986	3471.3	0.2	PR_158	$ 330,279	500	18.4	$ 60,816	13.3	$ 22,036	$ 82,853
30423364	750 E SIERRA MADRE	1988	3247.8	0.5	PR_162	$ 308,457	500	18.4	$ 56,864	13.4	$ 20,688	$ 77,552
30423366	741 E COMSTOCK ST	1994	4338.6	0.5	PR_164	$ 414,950	500	18.5	$ 76,841	13.7	$ 28,390	$ 105,231
30423303	102 S PARK GROVE CT	1987	2990.7	0.5	PR_225	$ 283,362	500	18.6	$ 52,652	13.9	$ 19,677	$ 72,329

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30423304	110 S PARK GROVE CT	1987	3156.4	0.5	PR_117	$ 299,532	500	18.7	$ 56,045	14.3	$ 21,432	$ 77,477
30423352	657 E SIERRA MADRE	1986	2938.9	0.5	PR_224	$ 278,305	500	18.7	$ 52,099	14.3	$ 19,955	$ 72,055
30423302	101 S SILVERADO ST	1986	3675.0	0.5	PR_116	$ 350,165	500	19.0	$ 66,612	15.3	$ 26,831	$ 93,442
30423340	101 S RIATA DR	1985	4057.5	0.5	PR_220	$ 387,510	500	19.2	$ 74,471	16.0	$ 30,919	$ 105,390
30423305	118 S PARK GROVE CT	1986	3293.0	0.5	PR_118	$ 312,872	500	19.2	$ 60,216	16.0	$ 25,108	$ 85,323
30423365	749 E COMSTOCK ST	1988	2963.6	0.7	PR_163	$ 280,714	500	19.3	$ 54,299	16.4	$ 22,970	$ 77,269
30423363	742 E SIERRA MADRE DR	1988	4022.4	1.0	PR_161	$ 384,081	500	19.4	$ 74,406	16.5	$ 31,611	$ 106,018
30423351	102 S SILVERADO ST	1986	3270.1	0.5	PR_150	$ 310,637	500	19.5	$ 60,453	16.7	$ 26,013	$ 86,466
30497190	207 N HONEYSUCKLE LN	1994	3638.5	0.5	PR_265	$ 346,599	500	19.5	$ 67,582	16.9	$ 29,236	$ 96,818
30423354	641 E SIERRA MADRE	1986	3139.2	0.5	PR_152	$ 297,851	500	19.6	$ 58,443	17.3	$ 25,720	$ 84,163
30423353	649 E SIERRA MADRE	1986	3329.3	0.5	PR_151	$ 316,412	500	19.6	$ 62,153	17.3	$ 27,433	$ 89,586
30423368	725 E COMSTOCK ST	1988	3416.3	0.1	PR_166	$ 324,905	500	19.7	$ 63,855	17.4	$ 28,223	$ 92,078
30423370	709 E COMSTOCK ST	1988	3102.9	0.1	PR_167	$ 294,315	500	19.7	$ 57,969	17.5	$ 25,772	$ 83,741
30423367	733 E COMSTOCK ST	1987	3405.3	0.5	PR_165	$ 323,835	500	19.9	$ 64,285	18.0	$ 29,171	$ 93,456
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	$ 303,171	500	19.9	$ 60,412	18.3	$ 27,683	$ 88,095
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	$ 1,095,525	500	20.0	$ 219,249	18.5	$ 101,571	$ 320,820
30423339	608 E SIERRA MADRE	1986	3700.7	0.5	PR_140	$ 352,677	500	20.2	$ 71,076	19.0	$ 33,501	$ 104,577
30413315	801 E VAUGHN AVE	1993	1872.5	0.5	PR_234	$ 174,188	500	20.7	$ 35,997	20.7	$ 17,996	$ 53,993
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	$ 346,977	500	21.0	$ 72,923	21.8	$ 37,827	$ 110,750
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	$ 885,105	500	21.1	$ 186,862	22.1	$ 97,863	$ 284,725
30497189	213 N HONEYSUCKLE LN	1994	3915.8	0.5	PR_182	$ 373,675	500	21.1	$ 78,890	22.1	$ 41,316	$ 120,206
30497186	231 N HONEYSUCKLE LN	1994	3701.5	0.5	PR_180	$ 352,750	500	21.2	$ 74,629	22.3	$ 39,257	$ 113,886
30423358	702 E SIERRA CT	1986	3409.2	2.0	PR_156	$ 324,211	500	21.3	$ 69,145	22.8	$ 36,982	$ 106,127
30497188	219 N HONEYSUCKLE LN	1994	3946.0	0.5	PR_274	$ 376,619	500	21.4	$ 80,473	22.9	$ 43,205	$ 123,677
30412741	725 E WASHINGTON ST	1986	3213.1	1.5	PR_50	$ 305,073	500	21.4	$ 65,276	23.0	$ 35,145	$ 100,421
30423194	525 E PALO VERDE ST	1996	5451.4	1.0	PR_80	$ 801,505	500	21.6	$ 173,212	23.7	$ 95,119	$ 268,331
30423196	549 E PALO VERDE ST	1985	4508.3	0.5	PR_85	$ 659,466	500	21.8	$ 143,672	24.3	$ 80,141	$ 223,813
30412754	133 N HONEYSUCKLE LN	1986	4125.8	0.5	PR_60	$ 394,175	500	21.9	$ 86,162	24.5	$ 48,368	$ 134,530
30423191	548 E PALO VERDE ST	1985	4498.0	0.5	PR_74	$ 657,922	500	22.1	$ 145,639	25.5	$ 83,734	$ 229,373
30413279	246 N HERITAGE DR	1985	2509.9	1.0	PR_8	$ 236,419	500	22.3	$ 52,687	26.0	$ 30,676	$ 83,363
30412740	715 E. Washington St, Gilb	1986	3094.7	1.5	PR_49	$ 293,515	500	22.3	$ 65,526	26.1	$ 38,277	$ 103,802

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412751	85 N. Honeysuckle Ln, Gilb	1988	3143.6	1.0	PR_213	$ 298,288	500	22.4	$ 66,822	26.3	$ 39,283	$ 106,105
30413273	210 N HERITAGE DR	1988	2665.9	1.0	PR_2	$ 251,648	500	22.6	$ 56,913	27.1	$ 34,039	$ 90,952
30423193	526 E PALO VERDE ST	1986	4031.9	1.0	PR_77	$ 587,716	500	22.7	$ 133,210	27.2	$ 79,986	$ 213,196
30412753	109 N. Honeysuckle Ln, Gil	1986	3686.9	1.0	PR_59	$ 351,330	500	22.7	$ 79,791	27.4	$ 48,081	$ 127,872
30412756	157 N. Honeysuckle Ln, Gil	1985	3766.2	1.0	PR_62	$ 359,069	500	22.7	$ 81,561	27.4	$ 49,159	$ 130,720
30413275	222 N HERITAGE DR	1988	2983.1	1.0	PR_4	$ 282,620	500	22.8	$ 64,323	27.5	$ 38,905	$ 103,228
30423191	548 E PALO VERDE ST	1985	692.1	2.0	PR_71	$ 84,711	500	22.8	$ 19,296	27.6	$ 11,688	$ 30,983
30413278	240 N HERITAGE DR	1988	2334.4	1.0	PR_7	$ 219,279	500	22.8	$ 49,957	27.6	$ 30,269	$ 80,225
30413272	204 N HERITAGE DR	1988	2184.2	1.0	PR_1	$ 204,625	500	23.0	$ 46,999	28.2	$ 28,881	$ 75,881
30412941	724 E. Cullumber Ave, Gilb	1988	4195.0	1.5	PR_200	$ 400,928	500	23.0	$ 92,270	28.4	$ 56,892	$ 149,162
30412752	97 N. Honeysuckle Ln, Gilb	1986	3937.0	2.0	PR_58	$ 375,742	500	23.2	$ 87,076	28.9	$ 54,323	$ 141,399
30412933	708 E. Cullumber Ave, Gilb	1988	2890.5	0.5	PR_65	$ 273,571	500	23.2	$ 63,455	29.0	$ 39,645	$ 103,099
30412742	735 E. Washington St, Gilb	1984	3811.5	1.0	PR_251	$ 363,489	500	23.2	$ 84,485	29.1	$ 52,966	$ 137,451
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	$ 776,805	500	23.3	$ 181,024	29.3	$ 113,979	$ 295,004
30412717	711 E. Park Ave, Gilbert, AZ	1986	4025.7	0.5	PR_28	$ 384,405	500	23.3	$ 89,724	29.5	$ 56,642	$ 146,367
30412749	723 E. Linda Ln, Gilbert, AZ	1984	2564.3	0.5	PR_57	$ 241,729	500	23.4	$ 56,513	29.6	$ 35,771	$ 92,284
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	$ 651,291	500	23.4	$ 152,562	29.7	$ 96,875	$ 249,437
30412750	73 N HONEYSUCKLE LN	1987	3385.1	0.5	PR_228	$ 321,863	500	23.5	$ 75,606	30.0	$ 48,226	$ 123,832
30413274	216 N HERITAGE DR	1988	2369.7	1.5	PR_3	$ 222,729	500	23.6	$ 52,602	30.4	$ 33,844	$ 86,447
30412744	720 E. Washington St, Gilb	1984	4015.3	1.0	PR_52	$ 383,385	500	23.6	$ 90,611	30.4	$ 58,367	$ 148,977
30413277	234 N HERITAGE DR	1988	2313.4	1.0	PR_6	$ 217,231	500	23.7	$ 51,513	30.7	$ 33,358	$ 84,871
30412743	730 E. Washington St, Gilb	1984	3754.6	1.0	PR_51	$ 357,939	500	23.8	$ 85,128	30.9	$ 55,377	$ 140,505
30412755	145 N. Honeysuckle Ln, Gil	1985	3740.7	1.0	PR_61	$ 356,581	500	23.8	$ 84,833	31.0	$ 55,215	$ 140,048
30412934	716 E. Cullumber Ave, Gilb	1988	4461.0	1.0	PR_248	$ 426,903	500	24.0	$ 102,352	31.6	$ 67,418	$ 169,769
30412739	705 E. Washington St, Gilb	1987	3261.1	2.0	PR_48	$ 309,756	500	24.1	$ 74,507	31.8	$ 49,320	$ 123,827
30412738	699 E. Washington St, Gilb	1986	4110.5	0.5	PR_222	$ 392,680	500	24.2	$ 94,884	32.2	$ 63,242	$ 158,126
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	$ 325,513	500	24.4	$ 79,302	32.9	$ 53,504	$ 132,806
30412745	710 E WASHINGTON ST	1984	3427.2	1.0	PR_53	$ 325,977	500	24.5	$ 79,764	33.2	$ 54,163	$ 133,927
30412708	152 N. Honeysuckle Ln, Gil	1986	3232.5	0.3	PR_208	$ 306,962	500	24.5	$ 75,188	33.3	$ 51,131	$ 126,319
30413276	228 N HERITAGE DR	1988	1640.7	0.5	PR_5	$ 151,558	500	24.6	$ 37,334	33.8	$ 25,597	$ 62,931
30412734	667 E. Washington St, Gilb	1986	3235.3	0.5	PR_231	$ 307,239	500	24.7	$ 75,777	33.9	$ 52,045	$ 127,822

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412748	715 E. Linda Ln, Gilbert, AZ	1984	3964.8	0.5	PR_56	$ 378,462	500	24.7	$ 93,392	33.9	$ 64,191	$ 157,583
30412707	164 N. Honeysuckle Ln, Gil	1987	3343.9	0.5	PR_21	$ 317,845	500	24.7	$ 78,644	34.1	$ 54,261	$ 132,905
30412718	712 E. Linda Ln, Gilbert, AZ	1986	4077.3	0.5	PR_29	$ 389,443	500	24.8	$ 96,666	34.4	$ 66,995	$ 163,661
30412012F	750 E RODGERS CT	1986	4029.5	2.0	PR_10	$ 384,776	500	24.9	$ 95,930	34.8	$ 66,897	$ 162,827
30412746	700 E. Washington St, Gilb	1987	4753.9	1.0	PR_54	$ 455,492	500	25.0	$ 114,011	35.0	$ 79,734	$ 193,746
30412932	700 E. Cullumber Ave, Gilb	1987	3716.1	2.0	PR_64	$ 354,177	500	25.0	$ 88,653	35.0	$ 61,999	$ 150,652
30412757	169 N HONEYSUCKLE LN	1988	3243.1	0.5	PR_63	$ 307,998	500	25.2	$ 77,746	35.1	$ 54,024	$ 131,770
30412747	707 E. Linda Ln, Gilbert, AZ	1985	3458.5	0.5	PR_55	$ 329,030	500	25.4	$ 83,564	35.1	$ 57,798	$ 141,362
30412711	690 E. Park Ave, Gilbert, AZ	1985	3562.6	0.5	PR_216	$ 339,195	500	25.6	$ 86,847	35.2	$ 59,700	$ 146,548
30412704	697 E CULLUMBER AVE	1985	3728.2	1.5	PR_19	$ 355,356	500	25.6	$ 90,988	35.2	$ 62,545	$ 153,533
30412012H	755 E RODGERS CT	1986	3686.1	0.5	PR_226	$ 351,248	500	25.6	$ 89,981	35.2	$ 61,830	$ 151,811
30412737	691 E. Washington St, Gilb	1986	4249.8	0.5	PR_47	$ 406,278	500	25.7	$ 104,242	35.2	$ 71,544	$ 175,786
30412719	704 E. Linda Ln, Gilbert, AZ	1985	3760.6	0.5	PR_30	$ 358,522	500	25.7	$ 92,175	35.2	$ 63,165	$ 155,340
30412716	703 E PARK AVE	1985	3607.7	1.5	PR_27	$ 343,597	500	25.8	$ 88,591	35.3	$ 60,578	$ 149,169
30412733	659 E WASHINGTON ST	1989	4830.4	2.0	PR_45	$ 462,965	500	25.8	$ 119,668	35.3	$ 81,673	$ 201,341
30412709	706 E. Park Ave, Gilbert, AZ	1986	3326.4	1.0	PR_22	$ 316,131	500	25.9	$ 81,724	35.3	$ 55,772	$ 137,496
30412726	685 E LINDA LN	1984	3513.0	0.5	PR_36	$ 334,352	500	25.9	$ 86,492	35.3	$ 58,996	$ 145,488
30412735	675 E. Washington St, Gilb	1986	3829.6	0.5	PR_46	$ 365,262	500	25.9	$ 94,736	35.3	$ 64,491	$ 159,227
30412727	693 E. Linda Ln, Gilbert, AZ	1984	4068.9	1.0	PR_38	$ 388,618	500	26.0	$ 101,131	35.3	$ 68,671	$ 169,802
30412720	696 E. Linda Ln, Gilbert, AZ	1985	3599.5	1.0	PR_31	$ 342,796	500	26.0	$ 89,272	35.3	$ 60,585	$ 149,857
30412714	687 E. Park Ave, Gilbert, AZ	1987	3590.4	1.0	PR_25	$ 341,908	500	26.0	$ 89,063	35.3	$ 60,432	$ 149,495
30412715	695 E. Park Ave, Gilbert, AZ	1985	3238.1	0.5	PR_26	$ 307,515	500	26.1	$ 80,272	35.4	$ 54,381	$ 134,653
30412730	678 E. Washington St, Gilb	1986	4170.8	0.5	PR_42	$ 398,566	500	26.2	$ 104,315	35.4	$ 70,528	$ 174,843
30412711	691 E Cullumber	1985	503.1	1.0	PR_300	$ 40,501	500	26.3	$ 10,660	35.4	$ 7,177	$ 17,837
30412710	698 E. Park Ave, Gilbert, AZ	1986	3811.3	0.5	PR_23	$ 363,469	500	26.4	$ 96,012	35.5	$ 64,464	$ 160,476
30412729	686 E. Washington St, Gilb	1985	3527.1	1.0	PR_41	$ 335,722	500	26.6	$ 89,297	35.5	$ 59,646	$ 148,943
30412721	688 E. Linda Ln, Gilbert, AZ	1985	3267.2	1.0	PR_32	$ 310,357	500	26.6	$ 82,616	35.5	$ 55,150	$ 137,766
30412706	176 N. Honeysuckle Ln, Gil	1985	2550.4	1.0	PR_250	$ 240,375	500	26.7	$ 64,227	35.6	$ 42,754	$ 106,981
30412736	683 E. Washington St, Gilb	1986	4116.2	0.5	PR_223	$ 393,238	500	26.8	$ 105,297	35.6	$ 69,981	$ 175,278
30412722	680 E. Linda Ln, Gilbert, AZ	1985	3312.1	0.5	PR_33	$ 314,737	500	26.8	$ 84,345	35.6	$ 56,022	$ 140,367
30412705	703 E. Cullumber Ave, Gilb	1987	3118.5	0.5	PR_20	$ 295,830	500	26.8	$ 79,293	35.6	$ 52,660	$ 131,953

Hazus Summary Table
Park Grove Estates Study Area
Run 2

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412728	694 E. Washington St, Gilb	1985	3816.2	1.0	PR_40	$ 363,951	500	26.8	$ 97,634	35.6	$ 64,799	$ 162,434
30412702	694 E. Cullumber Ave, Gilb	1986	3031.9	1.0	PR_17	$ 287,384	500	27.0	$ 77,667	35.7	$ 51,262	$ 128,929
30412712	682 E. Park Ave, Gilbert, Az	1985	4384.4	0.5	PR_24	$ 419,427	500	27.0	$ 113,395	35.7	$ 74,823	$ 188,218
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	$ 340,301	500	27.1	$ 92,063	35.7	$ 60,717	$ 152,780
30412713	679 E. Park Ave, Gilbert, AZ	1985	3916.0	1.0	PR_219	$ 373,693	500	27.1	$ 101,244	35.7	$ 66,700	$ 167,944
30412703	691 E. Cullumber Ave, Gilb	1986	3637.4	1.0	PR_18	$ 346,498	500	27.2	$ 94,116	35.7	$ 61,886	$ 156,002
30412732	662 E WASHINGTON ST	1985	3834.5	0.5	PR_44	$ 365,740	500	27.2	$ 99,357	35.7	$ 65,325	$ 164,682
30412724	669 E. Linda Ln, Gilbert, AZ	1985	3688.4	0.5	PR_35	$ 351,471	500	27.6	$ 96,965	35.9	$ 63,024	$ 159,989
30412723	672 E. Linda Ln, Gilbert, AZ	1984	3199.3	0.5	PR_34	$ 303,720	500	27.8	$ 84,407	35.9	$ 54,564	$ 138,970
30412725	677 E. Linda Ln, Gilbert, AZ	1985	3612.1	0.2	PR_229	$ 344,022	500	27.9	$ 95,885	36.0	$ 61,850	$ 157,736
								Total	**$ 10,370,172**		**$ 6,380,066**	**$ 16,750,238**

Hazus Summary Table
Park Grove Estates Study Area
Run 3

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30423354	641 E SIERRA MADRE	1986	3139.2	0.5	PR_152	$ 297,851	100	0.1	$ 288	0.1	$ 96	$ 384
30423353	649 E SIERRA MADRE	1986	3329.3	0.5	PR_151	$ 316,412	100	0.2	$ 612	0.1	$ 204	$ 816
30423192	540 E PALO VERDE ST	1986	5287.4	0.0	PR_76	$ 776,805	100	0.5	$ 3,823	0.3	$ 1,274	$ 5,098
30412704	697 E CULLUMBER AVE	1985	3728.2	1.5	PR_19	$ 355,356	100	0.9	$ 3,303	0.6	$ 1,101	$ 4,404
30413273	210 N HERITAGE DR	1988	2665.9	1.0	PR_2	$ 251,648	100	1.0	$ 2,510	0.7	$ 837	$ 3,347
30412012H	755 E RODGERS CT	1986	3686.1	0.5	PR_226	$ 351,248	100	1.0	$ 3,535	0.7	$ 1,178	$ 4,713
30423367	733 E COMSTOCK ST	1987	3405.3	0.5	PR_165	$ 323,835	100	1.1	$ 3,657	0.8	$ 1,219	$ 4,876
30412737	691 E. Washington St,	1986	4249.8	0.5	PR_47	$ 406,278	100	1.2	$ 5,071	0.8	$ 1,690	$ 6,761
30423195	539 E PALO VERDE ST	1984	4454.0	1.0	PR_82	$ 651,291	100	1.3	$ 8,772	0.9	$ 2,924	$ 11,697
30412012C	745 E RODGERS CT	1986	1094.8	0.5	PR_16	$ 98,268	100	1.5	$ 1,429	1.1	$ 520	$ 1,949
30423371	701 E COMSTOCK ST	1987	3193.6	0.5	PR_168	$ 303,171	100	1.5	$ 4,457	1.0	$ 1,486	$ 5,942
30412719	704 E. Linda Ln,	1985	3760.6	0.5	PR_30	$ 358,522	100	1.6	$ 5,593	1.0	$ 1,864	$ 7,458
30412753	109 N. Honeysuckle Ln,	1986	3686.9	1.0	PR_59	$ 351,330	100	1.6	$ 5,512	1.0	$ 1,837	$ 7,349
30412756	157 N. Honeysuckle Ln,	1985	3766.2	1.0	PR_62	$ 359,069	100	1.6	$ 5,704	1.1	$ 1,901	$ 7,606
30413275	222 N HERITAGE DR	1988	2983.1	1.0	PR_4	$ 282,620	100	1.9	$ 5,254	1.2	$ 1,751	$ 7,005
30423197	625 E PALO VERDE ST	1983	7403.5	0.5	PR_86	$ 1,095,525	100	1.9	$ 20,364	1.2	$ 6,788	$ 27,153
30412716	703 E PARK AVE	1985	3607.7	1.5	PR_27	$ 343,597	100	2.0	$ 6,878	1.3	$ 2,293	$ 9,170
30412733	659 E WASHINGTON ST	1989	4830.4	2.0	PR_45	$ 462,965	100	2.4	$ 11,068	1.6	$ 3,689	$ 14,757
30412709	706 E. Park Ave,	1986	3326.4	1.0	PR_22	$ 316,131	100	2.4	$ 7,620	1.6	$ 2,540	$ 10,160
30412726	685 E LINDA LN	1984	3513.0	0.5	PR_36	$ 334,352	100	2.5	$ 8,404	1.7	$ 2,801	$ 11,206
30412711	690 E. Park Ave,	1985	3562.6	0.5	PR_216	$ 339,195	100	2.7	$ 9,130	1.8	$ 3,043	$ 12,173
30412735	675 E. Washington St,	1986	3829.6	0.5	PR_46	$ 365,262	100	2.9	$ 10,666	1.9	$ 3,555	$ 14,222
30412941	724 E. Cullumber Ave,	1988	4195.0	1.5	PR_200	$ 400,928	100	3.1	$ 12,439	2.1	$ 4,146	$ 16,585
30413272	204 N HERITAGE DR	1988	2184.2	1.0	PR_1	$ 204,625	100	3.1	$ 6,371	2.1	$ 2,124	$ 8,495
30412727	693 E. Linda Ln,	1984	4068.9	1.0	PR_38	$ 388,618	100	3.2	$ 12,612	2.2	$ 4,204	$ 16,816
30412720	696 E. Linda Ln,	1985	3599.5	1.0	PR_31	$ 342,796	100	3.6	$ 12,187	2.4	$ 4,062	$ 16,249
30412714	687 E. Park Ave,	1987	3590.4	1.0	PR_25	$ 341,908	100	3.6	$ 12,291	2.4	$ 4,097	$ 16,388
30412715	695 E. Park Ave,	1985	3238.1	0.5	PR_26	$ 307,515	100	3.9	$ 12,061	2.6	$ 4,020	$ 16,082
30412730	678 E. Washington St,	1986	4170.8	0.5	PR_42	$ 398,566	100	4.3	$ 17,287	2.9	$ 5,762	$ 23,050
30412752	97 N. Honeysuckle Ln,	1986	3937.0	2.0	PR_58	$ 375,742	100	4.3	$ 16,339	2.9	$ 5,446	$ 21,785
30412742	735 E. Washington St,	1984	3811.5	1.0	PR_251	$ 363,489	100	5.0	$ 18,322	3.4	$ 6,107	$ 24,429

Hazus Summary Table
Park Grove Estates Study Area
Run 3

APN	Address	Year Built	Area (sq -ft)	First Floor height	Unique Building ID	Adjusted Building Cost	Return Period ID	Building Damage Percent	Building Losses	Contents Damage Percent	Contents Loss	Total Loss Cost
30412711	691 E Cullumber	1985	503.1	1.0	PR_300	$ 40,501	100	5.2	$ 2,118	3.5	$ 706	$ 2,824
30412717	711 E. Park Ave, Gilbert, AZ	1986	4025.7	0.5	PR_28	$ 384,405	100	5.3	$ 20,558	3.6	$ 6,853	$ 27,411
30412749	723 E. Linda Ln, Gilbert, AZ	1984	2564.3	0.5	PR_57	$ 241,729	100	5.6	$ 13,475	3.7	$ 4,492	$ 17,967
30412933	708 E. Cullumber Ave, Gilb	1988	2890.5	0.5	PR_65	$ 273,571	100	5.7	$ 15,701	3.8	$ 5,234	$ 20,935
30412710	698 E. Park Ave, Gilbert, AZ	1986	3811.3	0.5	PR_23	$ 363,469	100	5.8	$ 21,060	3.9	$ 7,020	$ 28,080
30412750	73 N HONEYSUCKLE LN	1987	3385.1	0.5	PR_228	$ 321,863	100	6.2	$ 20,092	4.2	$ 6,697	$ 26,789
30423357	617 E SIERRA MADRE	1986	3642.3	0.5	PR_155	$ 346,977	100	6.4	$ 22,117	4.2	$ 7,372	$ 29,490
30412729	686 E. Washington St, Gilb	1985	3527.1	1.0	PR_41	$ 335,722	100	6.8	$ 22,720	4.5	$ 7,573	$ 30,294
30423190	626 E PALO VERDE ST	1993	6006.4	0.5	PR_70	$ 885,105	100	6.8	$ 60,211	4.5	$ 20,070	$ 80,282
30423194	525 E PALO VERDE ST	1996	2291.0	1.0	PR_81	$ 325,513	100	7.0	$ 22,695	4.6	$ 7,565	$ 30,259
30413274	216 N HERITAGE DR	1988	2369.7	1.5	PR_3	$ 222,729	100	7.0	$ 15,602	4.7	$ 5,201	$ 20,802
30412721	688 E. Linda Ln, Gilbert, AZ	1985	3267.2	1.0	PR_32	$ 310,357	100	7.0	$ 21,788	4.7	$ 7,263	$ 29,050
30412744	720 E. Washington St, Gilb	1984	4015.3	1.0	PR_52	$ 383,385	100	7.1	$ 27,252	4.7	$ 9,084	$ 36,335
30413277	234 N HERITAGE DR	1988	2313.4	1.0	PR_6	$ 217,231	100	7.6	$ 16,472	5.1	$ 5,491	$ 21,963
30412706	176 N. Honeysuckle Ln, Gil	1985	2550.4	1.0	PR_250	$ 240,375	100	7.6	$ 18,312	5.1	$ 6,104	$ 24,415
30412934	716 E. Cullumber Ave, Gilb	1988	4461.0	1.0	PR_248	$ 426,903	100	7.7	$ 33,000	5.2	$ 11,000	$ 43,999
30423358	702 E SIERRA CT	1986	3409.2	2.0	PR_156	$ 324,211	100	7.8	$ 25,197	5.2	$ 8,399	$ 33,596
30412743	730 E. Washington St, Gilb	1984	3754.6	1.0	PR_51	$ 357,939	100	8.0	$ 28,628	5.3	$ 9,543	$ 38,171
30412722	680 E. Linda Ln, Gilbert, AZ	1985	3312.1	0.5	PR_33	$ 314,737	100	8.1	$ 25,470	5.4	$ 8,490	$ 33,960
30412705	703 E. Cullumber Ave, Gilb	1987	3118.5	0.5	PR_20	$ 295,830	100	8.1	$ 24,031	5.4	$ 8,010	$ 32,042
30412728	694 E. Washington St, Gilb	1985	3816.2	1.0	PR_40	$ 363,951	100	8.3	$ 30,061	5.5	$ 10,020	$ 40,081
30412736	683 E. Washington St, Gilb	1986	4116.2	0.5	PR_223	$ 393,238	100	8.5	$ 33,499	5.7	$ 11,166	$ 44,666
30412731	670 E WASHINGTON ST	1985	3574.0	0.5	PR_43	$ 340,301	100	9.6	$ 32,743	6.4	$ 10,914	$ 43,658
30412724	669 E. Linda Ln, Gilbert, AZ	1985	3688.4	0.5	PR_35	$ 351,471	100	12.8	$ 45,101	8.6	$ 15,034	$ 60,135
								Total	**$ 851,462**		**$ 283,864**	**$ 1,135,326**

APPENDIX E

BCA DATA

Park Grove Estates Study Area – Structure 1

APN 30423195, Sq-Ft = 4455 built in 1984 – 1 Story Masonry construction

Address: 539 East Palo Verde Street, Gilbert, AZ 85234

Finished Floor Elevation = 1244 (estimated to be 0.5 ft above grade)

WSEL is in NAVD 88

10-yr => wsel = 1244.21 Q = 5 cfs STREAMBED = 1243.4

50-yr => 1244.62 Q = 443 cfs

100-yr => 1244.7 Q = 580cfs

500-yr => 1245.13 Q = 2,352 cfs

The APN has the costs at $215,100 FCV (Hazus value is $652,000)

Link to assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=304-23-195

Park Grove Estates Study Area – Structure 2

APN 30412725, Sq-Ft = 3610 built in 1985 – 1 Story Masonry construction (PR-229)

Finished Floor Elev. = 1243.5 (Elevation Certificate NGVD 29 (+1.72 to NAVD 88 – Terrain is NAVD 88)

Address: 677 East Linda Lane, Gilbert, AZ 85234

WSEL is in NAVD 88

10-yr => wsel = 1227.67 (or use 0.2 ft above streambed, streambed=1243.0) Q= 47cfs

50-yr => 1243.93 Q = 84 cfs

100-yr => 1245.3 Q = 115 cfs

500-yr => 1246.74 Q = 223 cfs

The APN has the costs at $163,100 FCV (Hazus value is $344,000)

Link to assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=304-12-725

Park Grove Estates Study Area – Structure 3

APN 30412723, Sq-Ft = 3200 built in 1984 – 1 Story Masonry construction (PR-34)

Finished Floor Elev. = 1243.2 (Elevation Certificate NGVD 29 (+1.72 to NAVD 88 – Terrain is NAVD 88)

Address: 672 East Linda Lane, Gilbert, AZ 85234

WSEL is in NAVD 88

10-yr => wsel = 1227.67 (or use 0.2 ft above streambed, streambed=1242.9) Q= 47cfs

50-yr => 1243.93 Q = 84 cfs

100-yr => 1245.3 Q = 115 cfs

500-yr => 1246.74 Q = 223 cfs

The APN has the costs at $174,600 FCV (Hazus value is $304,000)

Link to Assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=304-12-723

Park Grove Estates Study Area – Structure 4

APN 30412703, Sq-Ft = 3630 built in 1986 – 1 Story Masonry construction (PR-18)

Finished Floor Elev. = 1243.7 (Elevation Certificate NGVD 29 (+1.72 to NAVD 88 – Terrain is NAVD 88)

Address: 691 East Cullumber Avenue, Gilbert, AZ 85234

WSEL is in NAVD 88

10-yr => wsel = 1227.67 (or use 0.2 ft above streambed, streambed=1242.8) Q= 47cfs

50-yr => 1243.93 Q = 84 cfs

100-yr => 1245.3 Q = 115 cfs

500-yr => 1246.74 Q = 223 cfs

The APN has the costs at $181,000 FCV (Hazus value is $346,500)

Link to Assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=304-12-703

Desert Hills

Desert Hills Study Area – Structure 5

APN 21153070A, Sq-Ft = 3830 built in 1998 – 1 Story Wood on Slab construction (DM-2857)

Finished Floor Elev. = 1799.76 (NGVD 29) (FF is 0.5 ft above LAG – Field Observation)

Address: 35814 N Central Avenue, Phoenix, AZ 85086

Stream bed elevation is 1796.84 NGVD 29

10-yr => wsel = 1799.97 Q= 757 cfs

50-yr => 1800.32 Q = 1,479 cfs

100-yr => 1800.57 Q = 2,224 cfs

500-yr => 1800.97 Q = 3,781 cfs

The APN has the costs at $215,700 FCV (Hazus value is $368,700)

Link to Assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=211-53-070-A

Desert Hills Study Area – Structure 6

APN 21153034A, Sq-Ft = 2080 built in 1987 – 1 Story Wood on Slab construction (DM-2296)

Finished Floor Elev. = 1793.8 (NGVD 29) Elevation Certificate

Address: 118 E Galvin Street, Phoenix, AZ 85086

Stream bed elevation is: 1791.0 (NGVD 29)

10-yr => wsel = 1793.60 Q= 1,159 cfs

50-yr => 1794.29 Q = 2,265 cfs

100-yr => 1794.83 Q = 3,406 cfs

500-yr => 1795.60 Q = 5,790 cfs

The APN has the costs at $106,300 FCV (Hazus value is $194,000)

Link to Assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=211-53-034-A

Desert Hills Study Area – Structure 7

APN21153047B, Sq-Ft = 1,550 built in 1976 – 1 Story Wood on Slab construction (DM-3030)

Finished Floor Elev. = 1791.4 (Elev Cert NGVD)

Address: 107 E Galvin, Phoenix, AZ 85086

Stream bed elevation is: 1791.0 (NGVD 29)

10-yr => wsel = 1793.6 Q= 1,159 cfs

50-yr => 1794.29 Q = 2,265 cfs

100-yr => 1794.83 Q = 3,406 cfs

500-yr => 1795.60 Q = 5,790 cfs

The APN has the costs at $102,700 FCV (Hazus value is $143,400)

Link to Assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=211-53-047-B

Desert Hills Study Area – Structure 8

APN21153058D, Sq-Ft = 2,900 built in 1942 – 1 Story Wood on Slab construction (DM-4109)

Finished Floor Elev. = 1788.1 (NGVD 29) 0.5-foot above LAG of 1787.6

Address: 35011 North 3rd Street Phoenix, AZ 85086

Stream bed elevation is: 1791.0 (NGVD 29)

10-yr => wsel = 1788.05 Q= 1,159 cfs

50-yr => 1788.84 Q = 2,265 cfs

100-yr => 1789.4 Q = 3,406 cfs

500-yr => 1790.24 Q = 5,790 cfs

The APN has the costs at $89,300 FCV (Hazus value is $275,500)

Link to Assessor:

http://www.maricopa.gov/Assessor/ParcelApplication/Detail.aspx?ID=211-53-058-D

APPENDIX F

FIELD MEASUREMENTS

	Desert Hills						
	Pile (1)	Pier (2)	Solid Wall (3)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
Pre-FIRM	2.6	N/A	N/A	N/A	2.4	2.4	0.6
Post-Firm	2.3	N/A	N/A	N/A	2.2	2.0	0.6
All	*2.4*	*N/A*	*N/A*	*N/A*	*2.2*	*2.0*	*1.2*

	Luke Wash						
	Pile (1)	Pier (2)	Solid Wall (3)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
Pre-FIRM	2.0	N/A	N/A	3.0	2.3	1.0	1.0
Post-Firm	1.8	N/A	N/A	3.0	2.3	1.535	0.9
All	*1.9*	*N/A*	*N/A*	*3.0*	*2.3*	*1.5*	*0.9*

	Park Grove Estates						
	Pile (1)	Pier (2)	Solid Wall (3)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
Pre-FIRM	N/A	2.5	N/A	N/A	N/A	N/A	0.0
Post-Firm	N/A	N/A	N/A	N/A	N/A	0.6	0.5
All	*N/A*	*2.5*	*N/A*	*N/A*	*N/A*	*0.6*	*0.5*

OVERALL AVG's	Pile (1)	Pier (2)	Solid Wall (3)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
GRAND Pre-FIRM	2.3	2.5	N/A	3	2.3	1.7	0.8
GRAND Post-Firm	2.1	N/A	N/A	3	2.2	1.8	0.8
GRAND AVG	*2.1*	*2.5*	*N/A*	*3*	*2.2*	*1.4*	*0.9*

USE	Pile (1)	Pier (2)	Solid Wall (3)	Basement (4)	Crawlspace (5)	Fill (6)	Slab (7)
GRAND Pre-FIRM	2.0	3.0	N/A	3	2.0	2.0	1.0
GRAND Post-Firm	2.0	3.0	N/A	3	2.0	2.0	1.0
GRAND AVG	*2.0*	*3.0*	*N/A*	*3*	*2.0*	*2.0*	*1.0*