



## LEGEND & SCORE SHEET



## PAINT SHOP



## 1 SAVED VIEWS

### Data Orientation

- Local Atlas

### Current Risk

- Flood Zones
- Flood Depth
- Critical Facilities Flood
- Social Vulnerability Index

### Mitigation Opportunity Areas & Land Use Strategies

- Mitigation-Dedicate
- Mitigation-Elevate
- Mitigation-Vacate

### Future Scenario Exercise

- Scenario Painting
- Discovery Flood
- Future Flood Summary
- Future Flood Loss

### Debrief

## 4 SOCIAL VULNERABILITY /RESILIENCE

Social Vulnerability Index is a measurement of the ability of residents to bounce back from disaster(s). It is based on the following socioeconomic and demographic indicators:

- Per Capita Income
- Population over 65
- Population under 17
- No High School Diploma
- Single Parent Household
- Below Poverty Level
- Ability to speak English "Well"
- Live in Mobile Homes
- No Vehicle Access

\* CHARM's use of Social Vulnerability is in comparison to the whole state of Texas.

## 2 FLOOD RISK

Flood Zones are measured as "1% Flood Zone" and ".2% Flood Zone", these are formerly known as the "100 Year Flood Zone" and "500 Year Flood Zone" respectively. Using "year" language discourages an understanding of the actual likelihood for flooding risk to occur at your home. **On average a home with a typical 30 year mortgage has a 26% chance of a 1% flood event.** Additionally, your flood insurance premium is affected by which flood zone your home is located in. A greater chance for flood risk means your insurance premium will be greater.

## 5 MITIGATION DEDICATE /ELEVATE/VACATE

### DEDICATE - open space

Setting aside areas that are highly flood prone as natural open space is an effective risk avoidance strategy. These areas can be used for recreation or habitat conservation, keeping development out of harm's way.

Total Estimated Benefit For Green Open

Space: \$ \_\_\_\_\_

### ELEVATE

New home construction that meets or exceeds local freeboard standards reduces risk to the home and lowers insurance premiums. Homeowners can save over \$10,000 per year from lower flood insurance premiums, and avoid floods.

### VACATE

Homes that have risk of repeat cycles of flood damage could be prime instances for acquisition to halt the cycle of losses in flood prone areas and keep the space free from future development.

## 3 CRITICAL FACILITIES

Critical Facilities				Function After Disaster?
Airport	100	500	X	
AM/FM Stations				
Medical Facility				
Police Station				
School				
Fire Station				
Waste Water Treatment Plant				

## 6 DEVELOPMENT

### FUTURE DEVELOPMENT

#### Population



Today



Total Future

#### Homes



Today



Total Future

### FLOOD ZONE - RESIDENTIAL

#### Homes in 100 Year Flood Zone



Today



Total Future



CHARM

## LAND USE PAINT SHOP

DEVELOPMENT DENSITY HIGH &gt; LOW

PAINT NAME

EXAMPLE

DESCRIPTION

HIGH DENSITY  
WALKABLE  
RESIDENTIAL

Urban character: walkable mix of residential building types, including apartments and neighborhood commercial type services.

## TOWN HOMES



Urban character: having a mix of uses in multi-story buildings with pedestrian squares and urban parks.

URBAN  
RESIDENTIAL

Urban character, smaller lot single family residential neighborhoods with pocket parks.

ACRE LOT  
SUBDIVISIONS

Suburban character: single family homes, residential uses.

BIG BOX STORES  
OR STRIP MALLS

Large Commercial buildings that are visible from a parking lot or roadway.

## HEAVY INDUSTRY



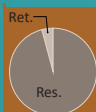
Industrial character, typically requiring access to rail, airports and / or highways.

PARK-RECRE-  
ATION FACILITIES

Publicly protected recreational open space.

## LAND USE

Residential (Res.)  
Retail (Ret.)  
Business (Bus.)

HOMES  
PER ACRE

40

18

25

16

10

4

1

0.2

0

0

0

0

0

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LOT  
SIZE

N/A

N/A

1,500 Sqft

2,500 Sqft

5,000 Sqft

10,000 Sqft

1 Acre

5 Acres

N/A

N/A

N/A

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BUILDING  
STORIES

4-6 Stories

4 Stories

1-3 Stories

1-3 Stories

1-3 Stories

1-2 Stories

1-2 Stories

1-2 Stories

1-2 Stories

1-3 Stories

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IMPERVIOUS  
COVER

80%

80%

80%

80%

60%

38%

25%

15%

85%

65%

100%

0%

2%

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INDOOR WATER  
CONSUMPTION

88 Gallons/HH

88 Gallons/HH

88 Gallons/HH

106 Gallons/HH

106 Gallons/HH

120 Gallons/HH

120 Gallons/HH

120 Gallons/HH

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DOMESTIC  
OUTDOOR  
WATER USE

8 Gallons/HH

8 Gallons/HH

6 Gallons/HH

14 Gallons/HH

77 Gallons/HH

247 Gallons/HH

957 Gallons/HH

1195 Gallons/HH

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PAINT

EXAMPLE

DESCRIPTION

DOWNTOWN  
MIXED USE

A walkable mix of retail, some offices and residences. Transit Friendly.

MEDIUM DENSITY  
RESIDENTIAL

Neighborhood character: a walkable mix of residential building types, such as single family and town homes.

SUBURB  
SUBDIVISIONS

Single family homes along canals and a few business that support the community lifestyle.

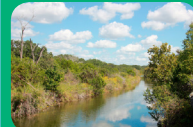
SUBURB  
RANCHETTES

Rural character: single family homes for rural and agricultural uses.

## BUSINESS PARK



Suburban character: a development set aside exclusively for the use of offices.

CONSERVATION  
AREA

Open spaces and parks with limited facilities and access roads.

## No Change



Stay the same.