Hurricane Evacuation - Limiting Development in the Coastal High Hazard Area

A. Introduction and Background

supporting data, and corresponding spatial graphics demonstrates that the County has been density rating system. The following summary of the "Identification of Specific Objectives", denying all taxpayer subsidized capital improvement projects within the CHHA; denying any 1960. Despite the County's good fortune and the relatively short collective, memory of its residents, the County has not been lulled into complacency. Over the years, Collier County's transfer of developments rights within the CHHA; and limiting any density increases through the limiting development within the Coastal High Hazard Area (CHHA). These strategies have been High Hazard Area. proactive in addressing Hurricane Evacuation as it relates to limiting development in the Coastal Board of County Commissioners have instituted objectives and policies, that have resulted in Collier County has not experienced a catastrophic countywide disaster since Hurricane Donna in

B. Identification of Specific Objectives:

Objective	Target	Conditions when Plan was adopted	Current Conditions	Comments
Implementation Strategy - Density Rating System, Density Bonuses, Transfer of Development Rights, Future Land Use Element: In no case shall density be transferred into the Coastal High Hazard Area from outside the Coastal High Hazard Area. Lands lying seaward of the Coastal High Hazard Boundary, identified on the Future Land Use Map, are within the Coastal High Hazard Area.	Specifically limit density in the CHHA	Prior to the adoption of this implementation strategy, the County did not track the transfer of development rights relative to the CHHA; and there were no clear priority criteria in the Comp. Plan prior to 1997.	No density shall be transferred into the CHHA from outside the area lying seaward of the CCHA Boundary	This is a good implementation strategy, which will be revised in accordance with the changes set forth in EAR Sections 1.5.F and 1.5.H

Objective	Target	Conditions when Plan was adopted	Current Conditions	Comments
The Bayshore/Gateway Triangle Redevelopment Overlay, Future Land Use Element: For properties within the Coastal High Hazard Area (CHHA), only the affordable housing density bonus, as provided in the proposed revised Density Rating System, is allowed in addition to the eligible density provided herein. For all properties, the maximum density allowed is that specified under Density Conditions	pre/Gateway edevelopment atture Land int: ies within the gh Hazard (A), only the housing it is, as it the proposed in the eligible vided herein. Perties, the density that specified iity Conditions Target was adopted All development projects must be in compliance with the County Comprehensive Plan's priorities, and the specific objectives and policies from the FLUE.		 Prohibit all density bonuses within the CHHA, except for affordable housing. Furthermore, all types of development, except for affordable housing, are only allotted a base density standard of 4 dwelling units/acre. 	This is a good implementation strategy, which should remain in the revised Comp. Plan
in the Density Rating System.				

Objective	Target	Conditions when Plan was adopted	Current Conditions	Comments
OBJECTIVE 5, Future Land Use Element:				
In order to promote sound planning, protect environmentally sensitive lands and habitat for listed species while protecting private property rights, ensure compatibility of land uses and further the implementation of the Future Land Use Element, the following general land use policies shall be implemented upon the adoption of the Growth Management Plan.	To discourage unsound development in areas that are environmentally sensitive, within FEMA's 100-year flood zone and prone to hurricane-induced flooding	All rezonings shall be consistent with the County's Growth Management Plan (GMP); and those properties that are nonvested, and undeveloped shall be rezoned in accordance to the implementing policies.	This objective has been found in compliance with the Florida Department of Community Affairs; local development orders are revised for consistency with the County's GMP, FLUE, Objective 5	This is a good implementation strategy, which should remain in the revised Comp. Plan.

Objective	Target	Conditions when Plan was adopted	Current Conditions	Comments
OBJECTIVE 12, Conservation and Coastal Management Element: "The County shall ensure that building and development activities are carried out in a manner that which minimizes the danger to life and property from hurricanes"	To ensure that building and development activities are carried out in a manner that minimizes the danger to life and property from hurricanes.	All rezonings shall be consistent with the County's Growth Management Plan (GMP); those properties that are non-vested and undeveloped shall be rezoned in accordance to the implementing policies.	This objective has been found in compliance with the Florida Department of Community Affairs; local development orders are revised for consistency with the County's GMP, FLUE, Objective 5	This is a good implementation strategy, which should remain in the revised Comp. Plan.

C. Data Assessment

Staff performed a land use density comparison between 1995 and 2001 using the Florida Land Use Cover and Forms Classification System (also known as FLUCS) consisting of both commercial and residential development, please refer to Table 2.22-1 below.

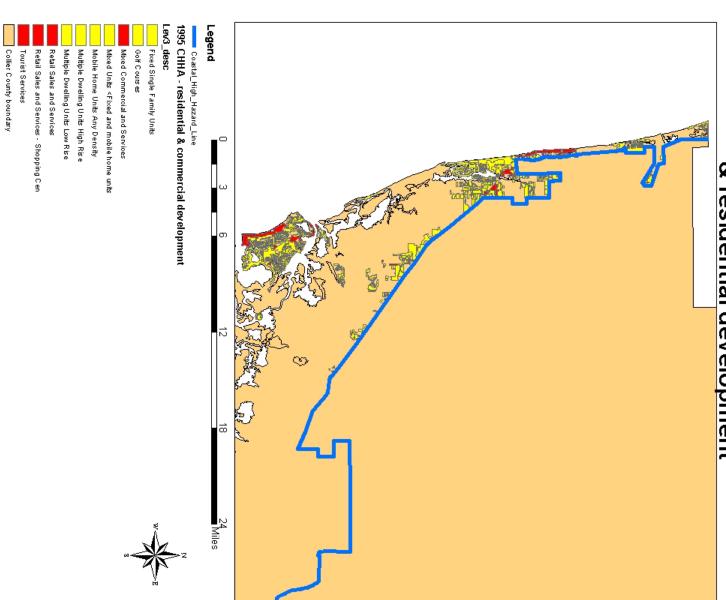
Table 2.22-1

		FLUCS						
_LEV1	LEV2	_LEV3	Lev1_desc	Lev2_desc	Lev3_desc	1995 Acreage	2001 Acreage	Percent Difference
			URBAN AND					
100	130	131	BUILT-UP	Residential High Density	Fixed Single Family Units	17.4	1,156.4	98.50
			URBAN AND					
100	110	111		Residential Low Density	Fixed Single Family Units	160.6	517.3	68.95
			URBAN AND					
100	120	121	BUILT-UP	Residential Medium Density	Fixed Single Family Units	7,584.4	11,957.0	36.57
			URBAN AND					
100	140	147	BUILT-UP	Commercial and Services	Mixed Commercial and Services	642.6	785.8	18.22
			URBAN AND		Mixed Units <fixed and="" mobile<="" td=""><td></td><td></td><td></td></fixed>			
100	130	135	BUILT-UP	Residential High Density	home units	30.1	29.8	-1.08
			URBAN AND					
100	100	1009	BUILT-UP	Mobile Home Community	Mobile Home Units Any Density	894.2	1,174.9	23.89
			URBAN AND					
100	130	134	BUILT-UP	Residential High Density	Multiple Dwelling Units High Rise	827.9	695.8	-19.00
4.00	4.00		URBAN AND			-0.4		
100	130	133	BUILT-UP	Residential High Density	Multiple Dwelling Units Low Rise	706.1	782.1	9.72
100	1.40		URBAN AND			21.0	550	50.14
100	140	141	BUILT-UP	Commercial and Services	Retail Sales and Services	31.8	75.9	58.14
100	1.40	1 4 1 1	URBAN AND		Retail Sales and Services - Shopping		1.62.4	50.64
100	140	1411	BUILT-UP	Commercial and Services	Center	76.9	162.4	52.64
100	1.40	1 4 5	URBAN AND		Taraniat Camaia	1.076.4	1.005.6	0.04
100	140	145	BUILT-UP	Commercial and Services	Tourist Services	1,076.4	1,085.6	0.84
					Total	12,048.40	18,423.00	34.60

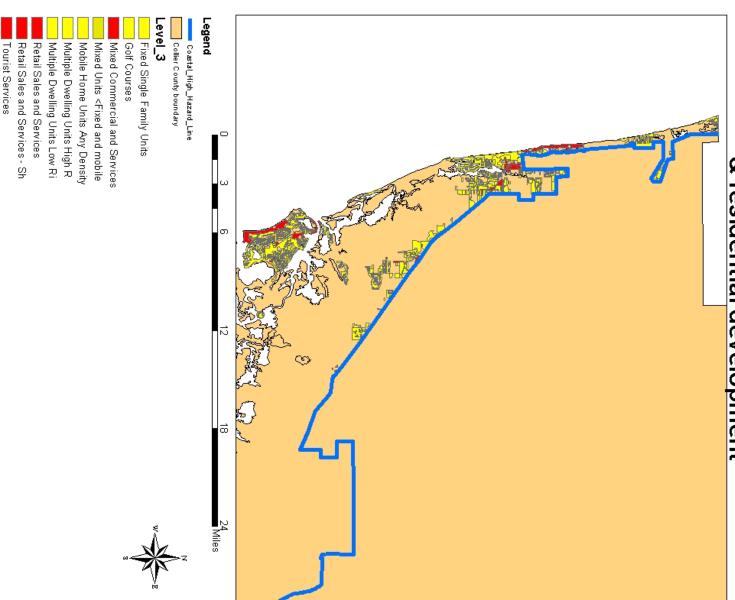
Source: Based upon the Florida Land Use Cover and Forms Classification System (Florida Department of Transportation Publication)

Maps 2.22-1 to 2.22-4 spatially display the differences The following series in a graphic format:

1995 Land Uses: commercial & residential development

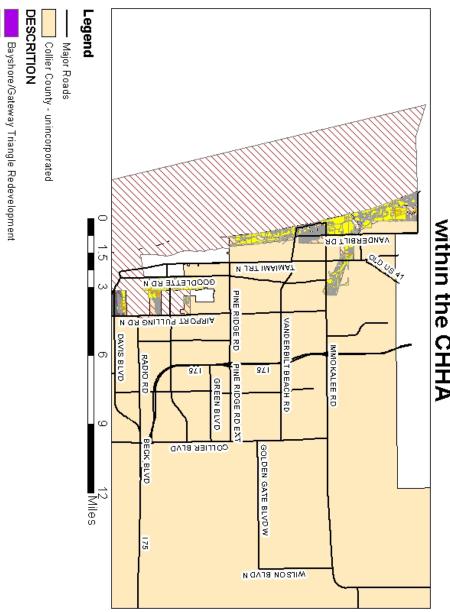


2001 Land Uses: commercial & residential development



Map 2.22-3

Collier County: Limiting Development within the CHHA



- Henderson Creek Mixed Use Subdistrict
- Mixed Use Activity Center Subdistrict
- Urban Residential Fringe Subdistrict Urban Coastal Fringe Subdistrict
- Urban Residential Subdistrict
- CHHA

ZONES

A ACSC/ST

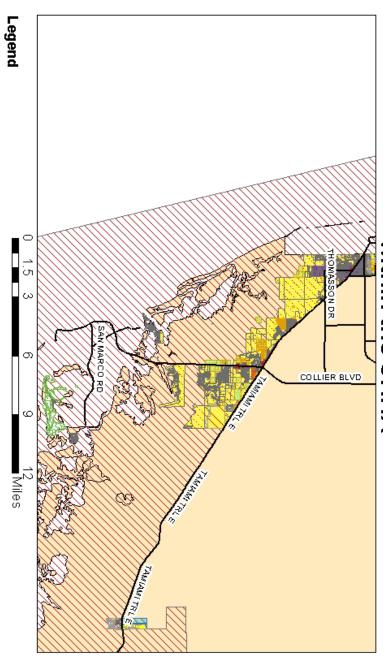
🥳 AST-MIZO

ZONES

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Collier County: Limiting Development within the CHHA



Major Roads

Collier County - unincorporated

DESCRITION

Bayshore/Gateway Triangle Redevelopment

Henderson Creek Mixed Use Subdistrict

Mixed Use Activity Center Subdistrict

Urban Coastal Fringe Subdistrict

Urban Residential Subdistrict

Urban Residential Fringe Subdistrict

CHHA

ZONES

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A ACSC/ST

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ZONES

7

C-2 8



According to Collier County's monthly Planned Unit Development (PUD) Report from 1995 to 2003 the following PUDs were approved in the Coastal High Hazard Area (CHHA):

Table 2.22-2

Table 2.22											
		DATE_		TOT_SIZE_	COM_DEV	IND_DEV	RES_SF_		ACLF_HOS_	GROSS_	
PETITION	NUM	APPD	STR	ACRES	SQ	SQ	DEV	RES_MF_DEV	DEV	DENS	BUILTOUT
R-90-10	95-45	Aug-95	22,23-48-25	18.7	45,324.0	0.0	0.0	0.0	0.0	0.0	
R-88-14	95-53	Nov-95	12-51-26	56.1	0.0	0.0	0.0	0.0	0.0	6.8	
PUD-95-5	95-68	Nov-95	1-50-25	11.4	5,800.0	0.0	0.0	0.0	0.0	3.5	
PUD-96-2	96-12	Mar-96	32-48-25	9.0	0.0	0.0	0.0	210.0	0.0	23.4	
PUD-89-											
	96-81	Dec-96	26-48-25	18.5	67,348.0	0.0	0.0	0.0	0.0	0.0	
PUD-85-											
8(5)	96-79	Dec-96	3,4-51-26	298.0	0.0	0.0	131.0	283.0	0.0	1.6	
PUD-97-7	97-28	Jun-97	36-49-25	9.3	30,000.0	58,480.0	0.0	0.0	0.0	0.0	
PUD-92-											
· /	97-70	Nov-97	15-51-26	101.3	0.0	0.0	0.0	0.0	0.0	4.0	
PUD-88-											
10(2)	98-67	Aug-98	26-48-25	12.8	35,000.0	0.0	0.0	0.0	96.0	0.0	
			29,30,31,32-50-								
PUD-98-03	98-85	1	26&5-51-26	1,559.0	0.0	0.0	0.0	0.0	0.0	0.5	
PUD-98-9	99-3	Jan-99	8-48-25	40.9	0.0	0.0	30.0	0.0	0.0	2.3	
PUD 98-19	99-25	Apr-99	20-51-27	242.4	0.0	0.0	5.0	0.0	0.0	1.2	
R-84-11	99-37	May-99	32-50-26	30.7	0.0	0.0	0.0	0.0	0.0	1.0	
PUD-99-17	99-68	Sep-99	22,23,27-50-25	124.0	0.0	0.0	0.0	0.0	0.0	0.0	
R-73-24	99-74	Oct-99	22,27-49-25	218.6	0.0	0.0	2.0	300.0	0.0	1.5	
R-80-10	99-83	Nov-99	33-50-26	25.4	0.0	0.0	0.0	0.0	0.0	4.5	
R-89-26	99-97	Dec-99	21-48-25	267.4	0.0	0.0	0.0	0.0	0.0	3.0	
R-89-26	99-97	Dec-99	21-48-25	267.4	0.0	0.0	0.0	0.0	0.0	3.0	
R-89-26	99-97	Dec-99	21-48-25	267.4	0.0	0.0	0.0	0.0	0.0	3.0	
PUD-99-4	00-05	Jan-00	4,9-52-28	50.0	0.0	0.0	0.0	0.0	0.0	5.0	
PUD-99-29	00-21	Apr-00	11,14,15-51-26	101.0	0.0	0.0	0.0	0.0	0.0	3.0	
PUD-91-											
5(1)	00-35	May-00	12-51-26	20.2	0.0	0.0	0.0	0.0	0.0	5.0	

Table 2.22-2

		DATE_		TOT_SIZE_	COM_DEV	IND_DEV	RES_SF_		ACLF_HOS_	GROSS_	
PETITION	NUM	APPD	STR	ACRES	_SQ	_SQ	DEV	RES_MF_DEV	DEV	DENS	BUILTOUT
PUD-91-											
5(1)	00-35	May-00	12-51-26	20.2	0.0	0.0	0.0	0.0	0.0	5.0	
PUD-00-01	00-40	Jun-00	26-48-25	3.8	0.0	0.0	0.0	0.0	0.0	0.0	
PUD-89-											
• ()	00-46	Jun-00	24,25-49-25	1,601.0	0.0	0.0	300.0	64.0	0.0	0.8	
PUD-97-											
18(1)	00-74			88.5	0.0	0.0	0.0	292.0	0.0	3.4	
			8,16,17,20-48-								
PUD-99-28	00-88	Dec-00	25	532.0	0.0	0.0	0.0	0.0	0.0	1.1	
PUD-84-		- 00	51,52-26&51-								
	00-84	Dec-00	27	4,439.3	14,000.0	0.0	349.0	619.0	0.0	2.1	
PUD-97-	01.22	N 01	26 40 25	6.0	0.0	0.0	0.0	0.0	0.0	0.0	
	01-22	May-01	26-48-25	6.9	0.0	0.0	0.0	0.0	0.0	0.0	
PUD-96-	00.22	Mos. 01	26 49 25	5.0	14 000 0	0.0	0.0	0.0	0.0	0.0	
	00-23		26-48-25			1					
-	01-30		18,19-52-27	6.6	+	0.0			0.0	7.7	
R-77-19	01-35	Jun-01	5,8-48-25	333.0	+	0.0	200.0		0.0	2.3	
R-90-21	01-65	Nov-01	1-50-25	6.5	0.0	0.0	0.0		0.0	3.4	
PUD-00-19	02-02	Jan-02	11-50-25	13.0	0.0	0.0	0.0	0.0	0.0	12.0	
PUD-2001-	02-15	Mar-02	3-51-26	48.5	0.0	0.0	0.0	0.0	0.0	8.0	
PUD-2001-	02-47	Oct-02	10-51-26	40.9	0.0	0.0	0.0	0.0	0.0	0.0	
PUD-2002-	03-29	Jun-03	23-50-25	171.2	0.0	0.0	0.0	0.0	0.0	0.0	
PUD-2002-	03-29	Jun-03	23-50-25	171.2	0.0	0.0	0.0	0.0	0.0	0.0	
PUD-2003-	03-38	Jul-03	14-50-25	19.8	0.0	0.0	0.0	0.0	0.0	11.0	

On the following pages, this table has been further broken down into the following categories:

- Commercial Development (developed) Residential-Single Family (developed) Residential-Multi-Family (developed)

- Gross Acreage

Figure 2.22-1: CHHA - Commercial Development

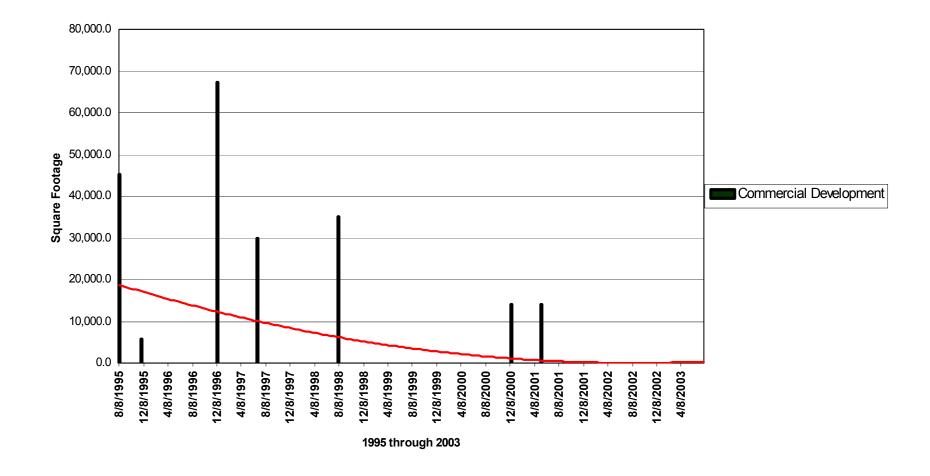


Figure 2.22-2: CHHA - Residential, Single Family Development

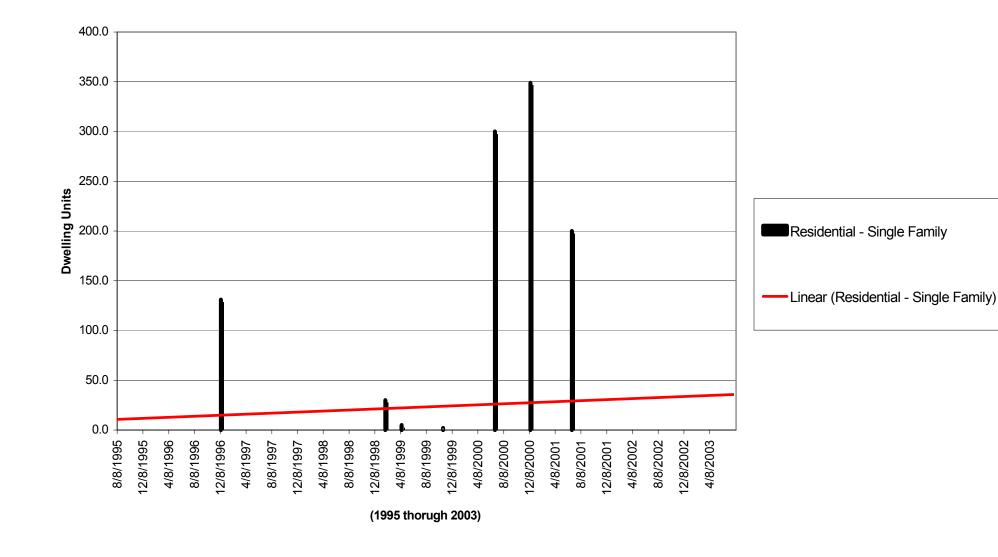


Figure 2.22-3: CHHA - Residential, Multiple Family Development

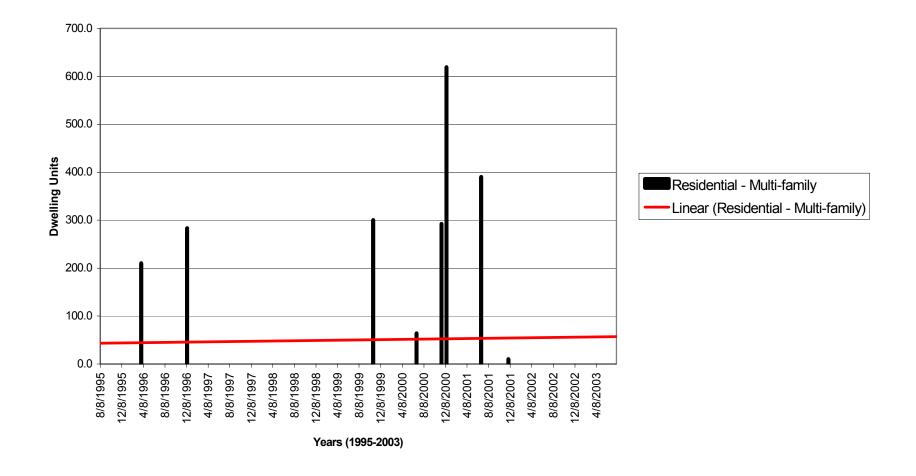
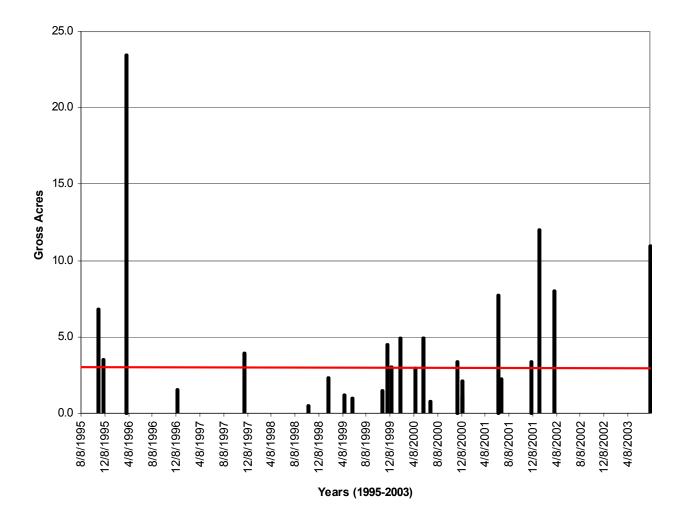


Figure 2.22-4: CHHA - Total Gross Acreage of Development



- Total Gross Acreage within the Coastal High Hazard Area
 - Linear (Total Gross Acreage within the Coastal High Hazard Area)

D. Objective Achievement Analysis

development occurring in the CHHA. the CHHA. Furthermore, there was an overall average increase of 67% in residential Over the past six years, there has been an overall land use density increase of 35% within

E. Conclusion

density rating system will no longer play a pivotal role in controlling development within maximum density with the affordable housing bonus will be capped at four (4) dwelling bonus provisions in the CHHA except that for Affordable Housing. However, the the CHHA. At the May 17, 2004 Joint Board of County Commissioners/Collier County development, especially single-family residential, within the CHHA. Therefore, the Scenarios" and supporting data located at the end of this section. units per acre. Planning Commission Workshop, the joint commissions voted to eliminate all density preliminary conclusion is that the County's objectives have fallen short on limiting Based upon the empirical evidence presented in the Data Assessment section, the The joint commissions relied on the "Coastal High Hazard Area Density

misleading. Of the 39 Planned Urban Developments (PUDs) within the CHHA(see pages residential development. the total acreage; 64% of the single-family residential and 34% of the multi-family development approval prior to the County's first adopted GMP in 1989, make up 54% of 4 dwelling units per acre. The numbers provided in the Data Assessment are slightly been within the Urban Coastal Fringe Subdistrict, which has a current density cap of only 2.22.12 & 2.22.13), two of them, both of which are vested developments The majority of residential development that has occurred over the past seven years has

original zoning designation to a residential zoning designation through the rezoning Staff has identified the following Future Urban Land Use Designations, within the with the potential, pending on market forces, of being converted from their

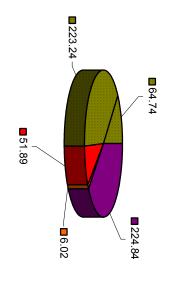
Future Urban Land Use Designations:

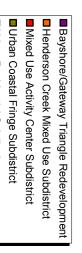
- Mixed Use Districts:
- Henderson Creek Mixed Use Subdistrict
- o Urban Coastal Fringe Subdistrict
- Urban Residential Fringe Subdistrict
- Commercial District:
- Mixed Use Activity Center Subdistrict
- Overlays and Special Features
- Bayshore/Gateway Triangle Redevelopment Overlay

The breakdown of all the underlying commercial designated acreage for each of the Future Urban Land Uses within the CHHA are displayed in Figure 2.22-5, below:

Figure 2.22-5

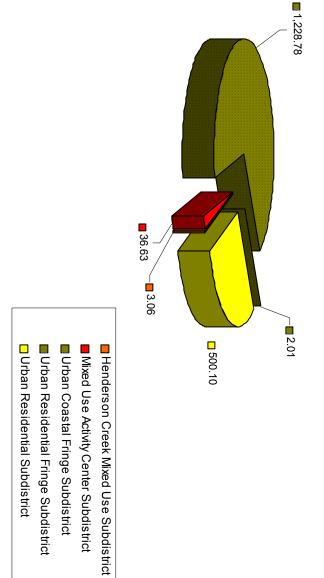
COMMERICIAL DESIGNATED ACREAGE (C1,C2,C3,C4, & C5)





in conjunction with existing objectives and policies, will increase the County's effectiveness in addressing hurricane evacuation. Based upon the Data Assessment and Objective Achievement Analysis, maximum density will be capped at 4 units per acre limiting development in CHHA. This change,

Figure 2.22-6 AGRICULTURAL DESIGNATED ACREAGE (A, A-ACS/ST, A-ST-MIZO)



Coastal High Hazard Area Density Scenarios

High Hazard Area (CHHA) and the potential for development with the revision to the Density Table 2.22-3 illustrates the total number of acres zoned Rural Agricultural (A) in the Coastal

Table 2.22-3 Agriculture Zoned Land (Acres) In the Coastal High Hazard Area

URBAN COASTAL FRINGE SUBDISTRICT	DISTRICT
ZONING DISTRICT	ACRES
A	1,272.97
URBAN RESIDENTIAL SUBDISTRICT	RICT
ZONING DISTRICT	ACRES
A	293.36
TOTAL	1,566.33

regulations designed to preserve and protect environmentally sensitive lands. Rezoning to MH, Mobile Home is prohibited in the Urban Coastal Fringe Subdistrict, that portion of the CHHA lying south of U.S. Notes: Staff excluded A, Special Treatment (ST) Overlay based upon stringent land development

acre is permitted, as shown in Table 2.22-4. However, this does not reflect the proposed base density and affordable housing bonus. in the Future Land Use Element (FLUE), a base density of 4 residential dwelling units per gross Currently, within Urban Mixed Use Designated Areas (except for the Urban Residential Fringe)

Table 2.22-4 Potential Dwelling Units, Coastal High Hazard Area

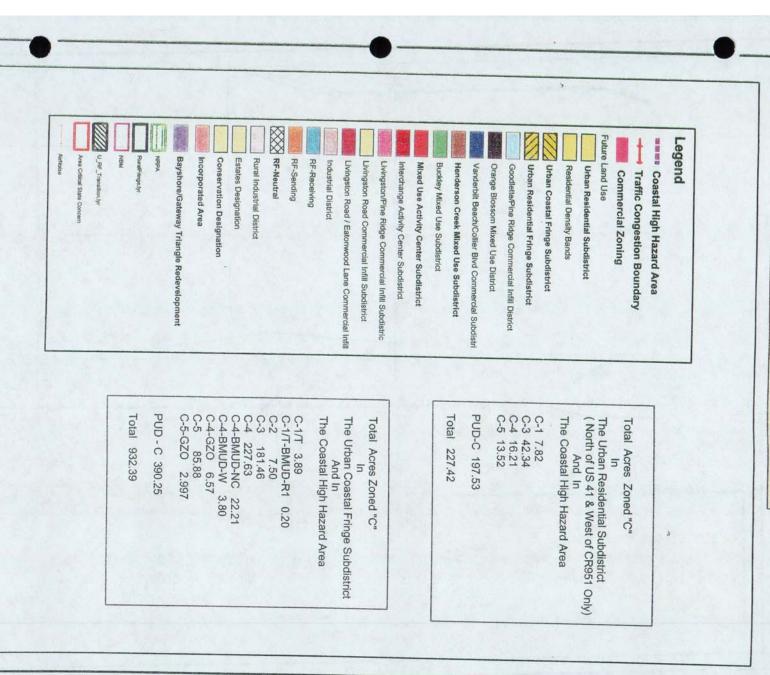
ACRES
DENSITY (4
(4 DU/ACRE)
TOTAL DU

CHHA with a CHHA affordable housing density bonus. the rezoning process based upon the available number of Rural Agricultural acres within the Table 2.22-5 illustrates the potential density and total number of dwelling units possible through

Table 2.22-5 Total Eligible Density with Affordable Housing Density Bonus

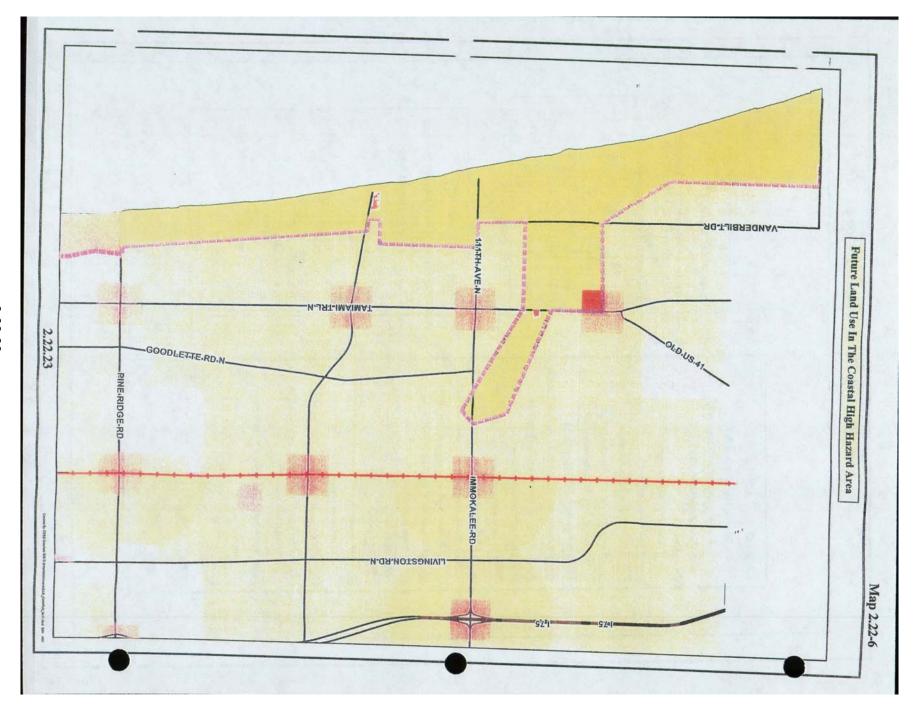
4 DU/ACRE x 1,566 ACRES =	TOTAL ELIGIBLE DENSITY WITH AFFORDABLE HOUSING
4,698 DUs	HOUSING DENSITY BONUS
3 DU/ACRE x 1,566 ACRES =	TOTAL ELIGIBLE DENSITY WITHOUT AFFORDABLE
+1 DU/AC	Affordable Housing Density Bonuses
3 DU/AC	BASE DENSITY
DWELLING UNITS/ACRE	DENSITY

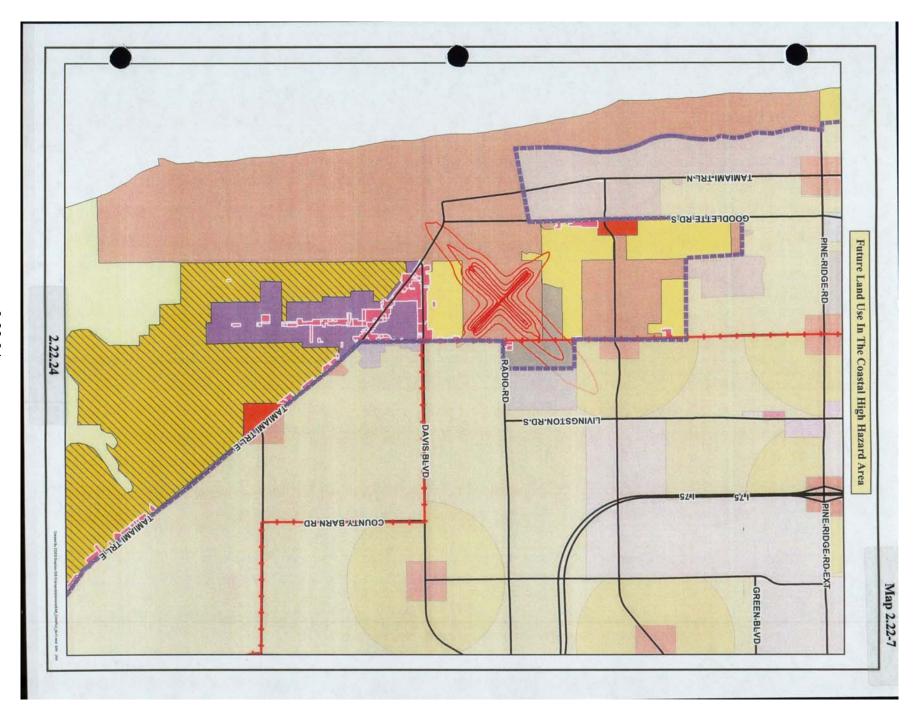
Future Land Use In The Coastal High Hazard Area

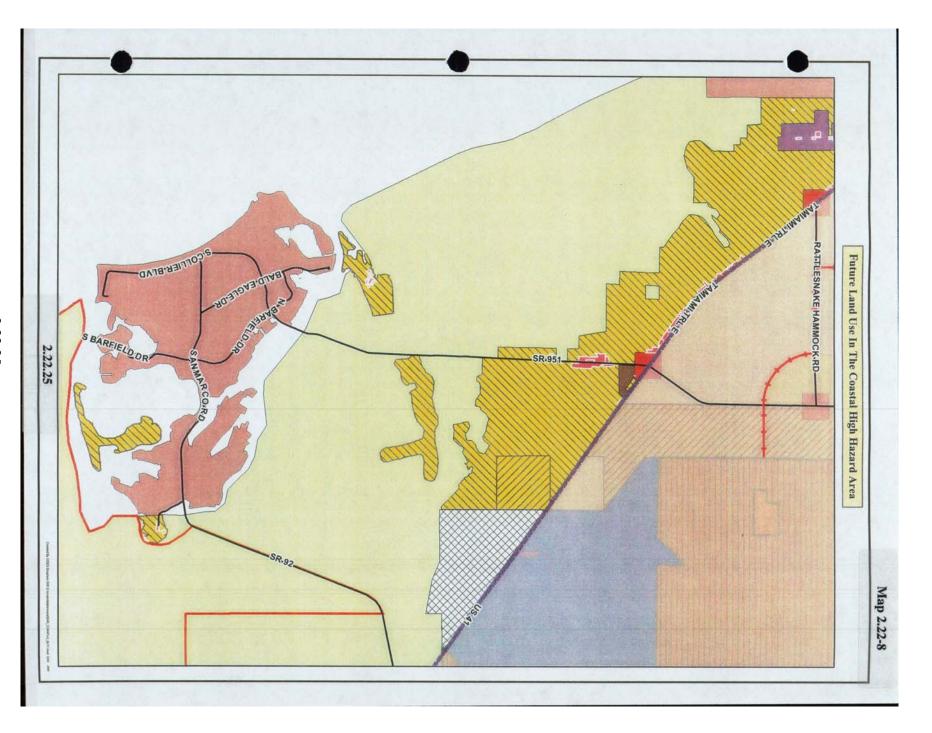


2.22.22

2.22.22







Zoning Designations In The Coastal High Hazard Area

Legend Coastal High Hazard Area

A Rural Agricultural

Traffic Congestion Boundary

C-1 Commercial Professional

C-2 Commercial Convenience

C-3 Commercial Intermediate

C-4 General Commercial

C-5 Heavy Commercial

In The Coastal High Hazard Area

Of Rural Agricultural Zoned Land (not including A-ST)

Approximately 4963 Acres

CANAL

CF Community Facility

CON Conservation

E Estates

GC Golf Course

I Industrial

MH Mobile Home

Naples

P Public Use

RMF Residential Multi Family

RSF Residential Single Family

RT Residential Tourist

TTRVC Trailer / RV / Campground

VR Village Residential

Marco Island

2.22.26

