### SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Technical Publication 80-8

A GEOGRAPHIC OVERVIEW OF 1977 LAND USE/COVER PATTERNS IN THE LOWER WEST COAST PLANNING AREA OF SOUTH FLORIDA

by

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and

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Resource Planning Department South Florida Water Management District West Palm Beach, Florida

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The data collection and digitizing for computer storage were done by the staff of the Land Resources Division.

Our appreciation is extended to the Planning Departments and Agricultural Extension Agents of Charlotte, Lee, Collier, Hendry and Glades Counties for assistance in the review of these data.

#### INTRODUCTION

The purpose of this report is to provide a general overview of land cover patterns in the Lower West Coast Planning Area. Patterns for selected land cover categories for each of ten surface water drainage basins are illustrated by means of a thematic map series. Each map displays areas of a selected Level I land cover category to show its distribution patterns within the basin. A histogram showing percent of total acreage for each of the three selected land cover categories is included for each basin. The histogram shows the quantity of land within each selected category in relation to the total area of that basin. Since only three of the seven Level I categories were used, the total does not equal one hundred percent. A listing of the detailed land cover acreages for all Level I, Level II and Level III categories, by basin, is also provided.

Land cover acreages in the form of numerical totals by category are used by District staff for various calculations relating to water management. These numbers provide quantities within each category but give no indication of location or distribution patterns. The thematic maps are intended to show these patterns in relation to the overall basin, county boundaries, planning area boundaries and the distribution patterns of other land cover categories.

To know the distribution of a land use category is important because factors affecting a basin are not uniformly distributed. For example, rainfall might occur in different amounts at different times at various points within the basin. In a case such as this the rainfall data would be weighted to determine its impact on various land uses.

Thematic maps are useful to local governments because they show distribution patterns by hydrologic unit as well as political boundaries.

Drainage basins are regional in nature rather than local because they cross various political entities; therefore a land use that has a significant impact, and the area being affected, might occur as different sides of a political boundary.

The land cover data presented in this report provides a base line reference against which future changes may be monitored within each basin. Future reports will present the changes that have occurred within each basin and the new land cover distributions. The Water Use Plan is scheduled to be updated periodically requiring a corresponding update of the land cover data base.

This District has developed an extensive geographic data gathering operation in response to the needs of various District research projects. A computerized data base and mapping system has been installed to allow the data to be aggregated by areas as defined by various users. Presently, the major effort is in building the base-file of land cover data. Aerial photography is used as the source for developing this data. District photointerpreters use a multi-level classification system in developing the data.

Photointerpretation is performed using 1:24000 aerial photography with the U.S.G.S. 7.5 minute quadrangles as a base. 1"=300' photography is used to supplement these sources and the data is extensively field checked by field technicians in cars and aircraft. Wherever possible the data is reviewed by local agencies in the area being mapped before it is finalized. The resulting land cover overlay is then ready to be digitized and stored in the Computervision Automated Mapping System. This system utilizes a 19" CRT Design Console and a free cursor microprocessor controlled digitizer to input the data. The CPU is a 64 K core CV graphic processor

which allows for core expansion up to 128 K. The system includes a 40 million word capacity disc drive and a tape drive.

The software, written in Fortran S, is capable of map alignment, polygon identity, map verification, area calculation, summary by land use, map paneling, map sectioning, cross hatching, point or continuous mode digitizing, associative properties, 3D data base, paper stretch compensation, full edit capability, polygon retrieval, 256 layers of information, multiple line and text fonts, gridding, state plane coordinates, English and metric output, floating point and data smoothing.

The land use and land cover classification system developed to describe the types of land uses that occur throughout the District is a three level system. Level I represents the most general level of detail and agrees with the Level I categories described by the U.S.G.S. (1976) in Professional Paper No. 964. This system includes categories for natural vegetation systems as well as for man's use. The categories at the most detailed level, Level III, were developed by the District and reflect characteristics that are applicable to water resources research and management within the District. Samples of urban categories to illustrate the three levels of detail follow:

Level I	Level II	Level III
(U) Urban & Built-up Land	(UR) Residential	<pre>(URSL) Single-Family, Low Density           (under 2 D.U./gross acre) (URSM) Single-Family, Medium Density           (2 to 5 D.U./gross acre) (URSH) Single-Family, High Density           (Over 5 D.U./gross acre) (URMF) Multi-Family Building (URMH) Mobile Homes</pre>

As the example shows, the code is four letters with the first letter representing the Level I classification, the second letter representing the Level II classification, and the last two letters representing the Level III

classification. For example, the code URMH breaks down as follows: the first letter (U) indicates the Level I classification, URBAN and BUILT-UP LANDS; the second letter (R) indicates the Level II classification, RESIDENTIAL; and the last two letters (MH) represent the Level III category, MOBILE HOMES. A complete list of all the Level I, II, and III classifications is included in this report with the corresponding DOT classification numbers.

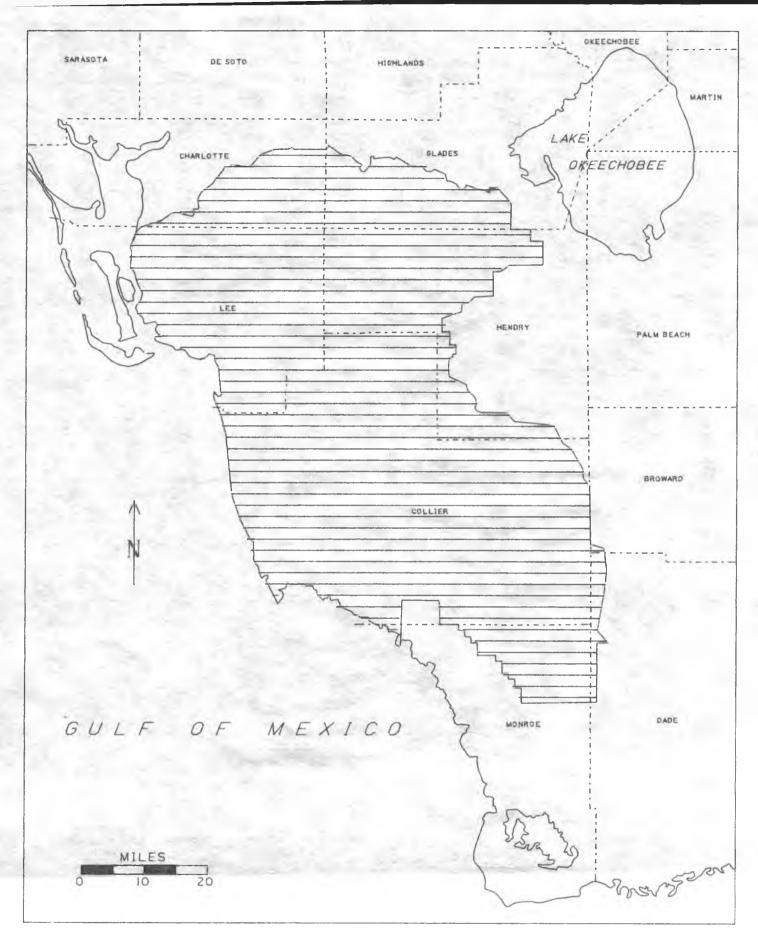
The entire Lower West Coast Planning Area was mapped in 1977 at Level III detail and the data were stored in the computer. The format of these maps corresponds to the U.S.G.S. 7.5 minute quadrangles. These maps were joined by the computer to create a detailed 1977 land cover map for each basin. The thematic maps for this report were created from the detailed data bases using the computer. The three Level I land use/cover classifications for the thematic maps are urban and built-up lands, agriculture and wetlands. These three categories were selected on the basis of their relative importance and impact on water resources.

Urban and built-up lands are areas where much of the land is covered by structures. Included in this category are cities, towns, development along highways, shopping centers, industrial and commercial complexes, institutions, communications and transportation facilities, and utilities. Small areas of nonconforming use may be included in this category as urban development expands. The urban and built-up category takes precedence over other categories when the criteria for more than one category are met. Sub-categories at Level II included in urban and built-up lands are residential, commercial and services, industrial, institutional, transportation, and open lands. These Level II categories coincide with the U.S.G.S. Level II categories as described in Geological Survey Professional Paper 964, but differ from the State of Florida's Department of Transportation (1978)

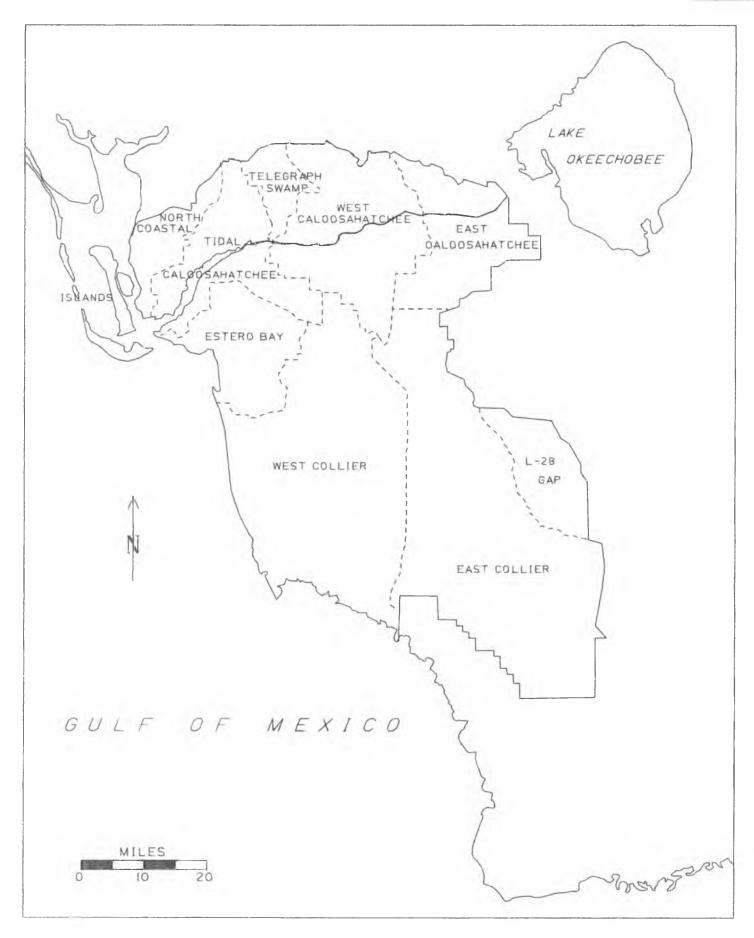
Land Use, Cover, and Forms Classification System in that their Level I separates transportation, communication, and utilities into their own categories, while the District does not.

Agricultural land is defined as land used primarily for food or fibre production. The Level II categories included in agricultural land are cropland; pasture; orchards, groves, vineyards, nurseries, ornamental and horticultural areas; and confined feeding operations. This Level I category is the same as that used by the U.S.G.S. and the State of Florida.

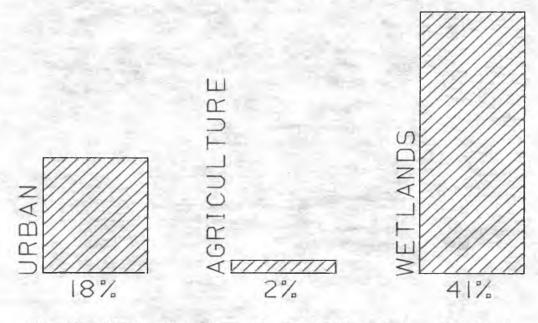
Wetland areas are those lands where the water table is at, near, or above the land surface for a significant portion of most years. The vegetation that grows in these areas is aquatic or hydrophytic. These areas occur in both salt and fresh water environments. Level II sub-categories included are forested fresh (e.g. cypress swamps), non-forested fresh (e.g. sawgrass marshes), forested salt (e.g. mangrove swamps), non-forested salt (e.g. cordgrass marshes), and mixed forested and non-forested fresh (e.g. cypress domes and wet prairie areas). This Level I category agrees with the U.S.G.S. and the State of Florida systems.



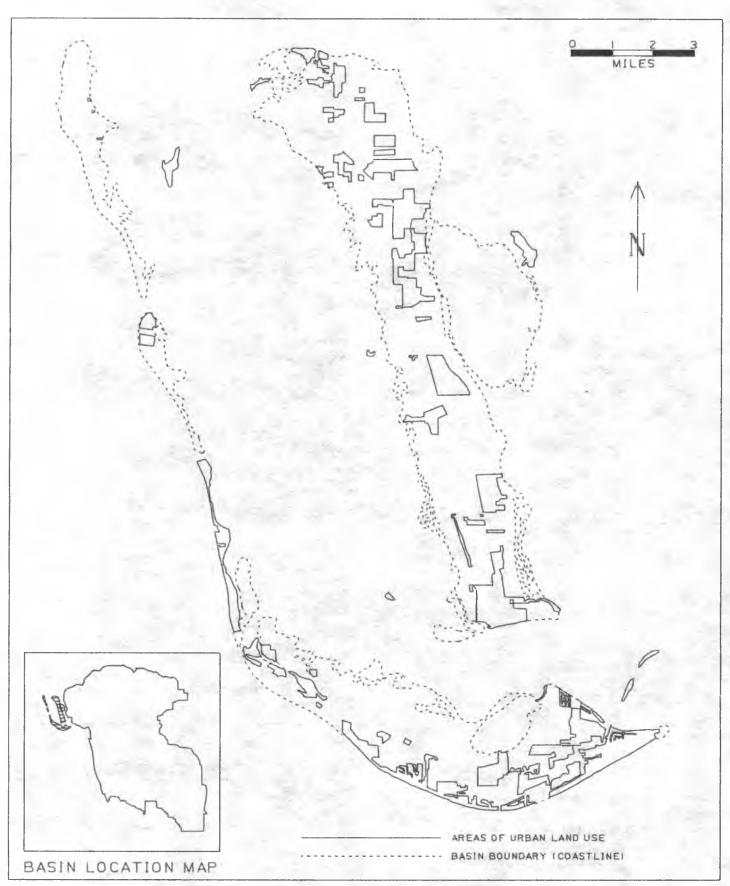
LOWER WEST COAST PLANNING AREA SOUTH FLORIDA WATER MANAGEMENT DISTRICT



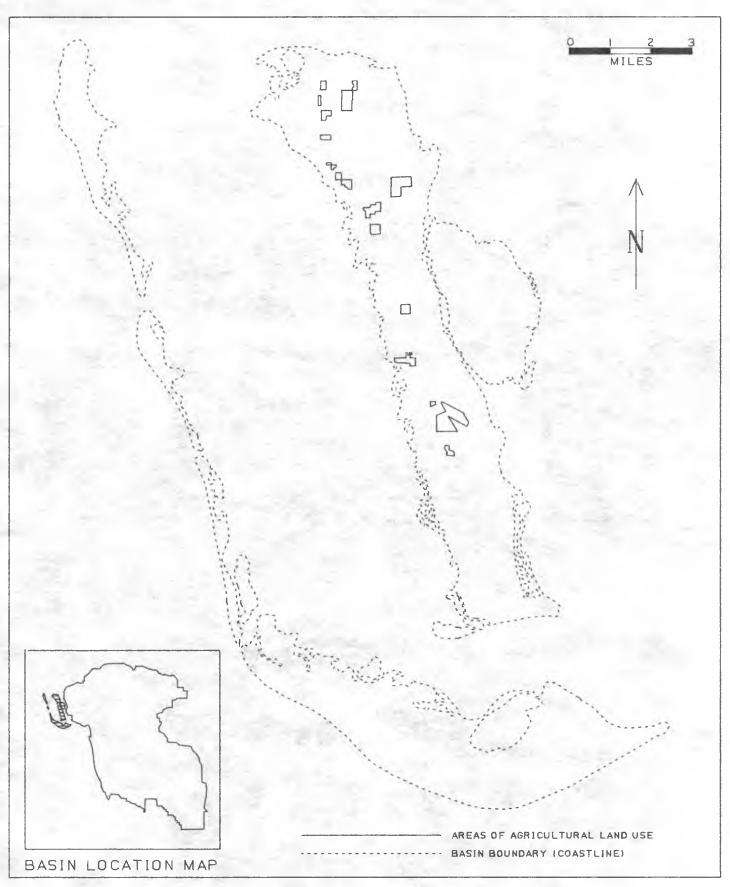
SURFACE WATER DRAINAGE BASINS LOWER WEST COAST PLANNING AREA



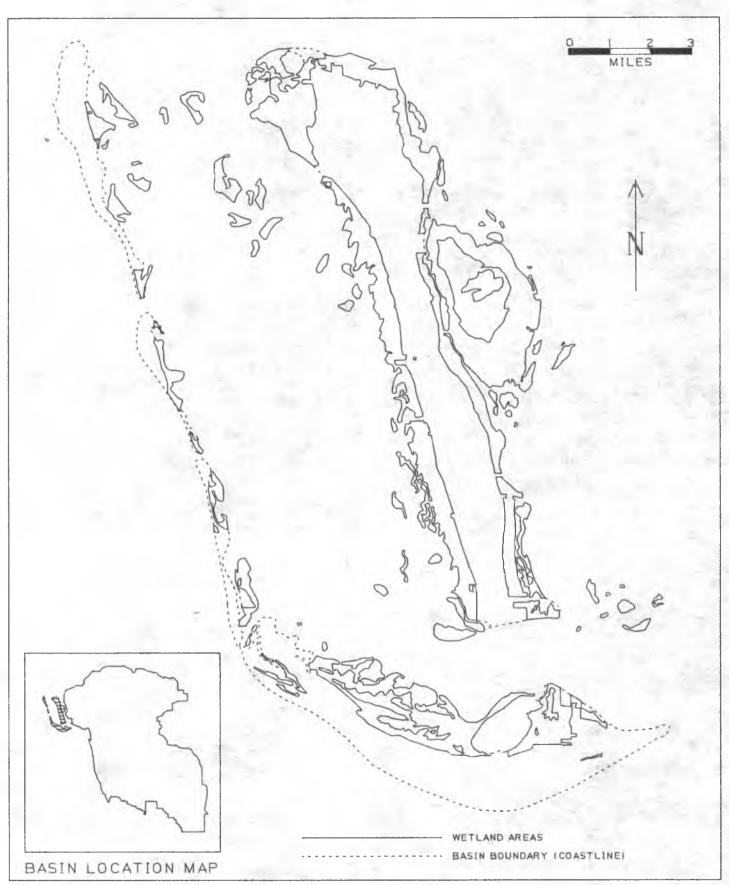
PERCENTAGE OF TOTAL AREA
ISLANDS BASIN
LOWER WEST COAST PLANNING AREA



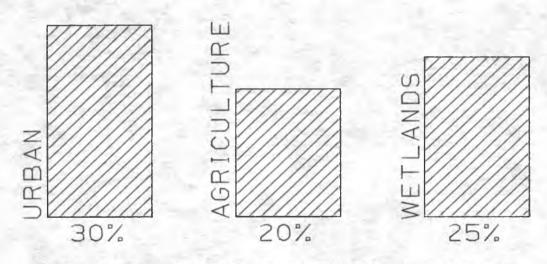
1977 GENERALIZED URBAN MAP
ISLANDS BASIN
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED AGRICULTURE MAP
ISLANDS BASIN
LOWER WEST COAST PLANNING AREA

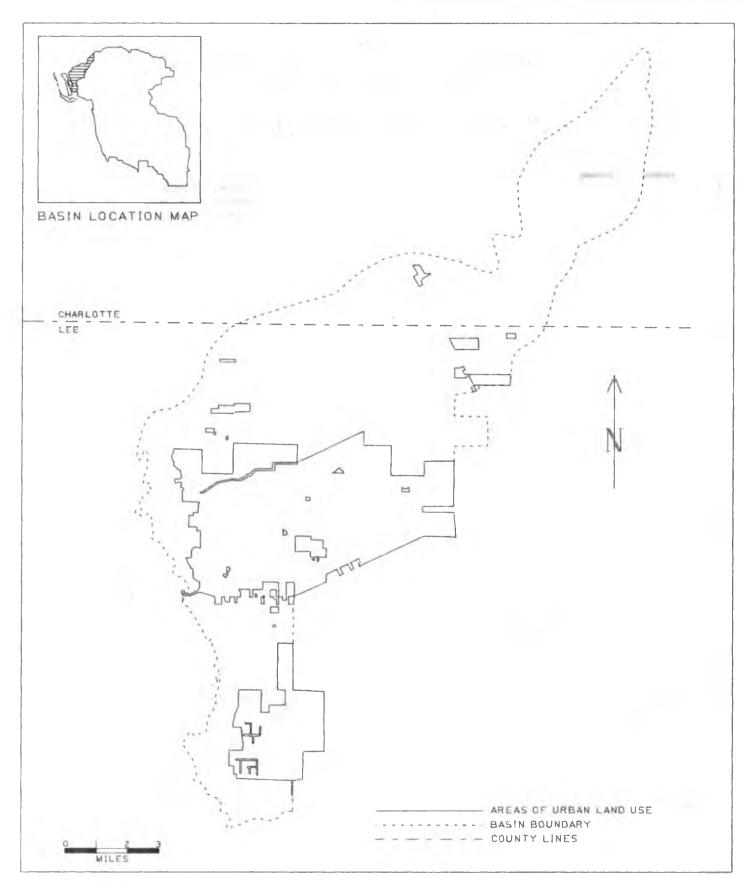


1977 GENERALIZED WETLANDS MAP
ISLANDS BASIN
LOWER WEST COAST PLANNING AREA



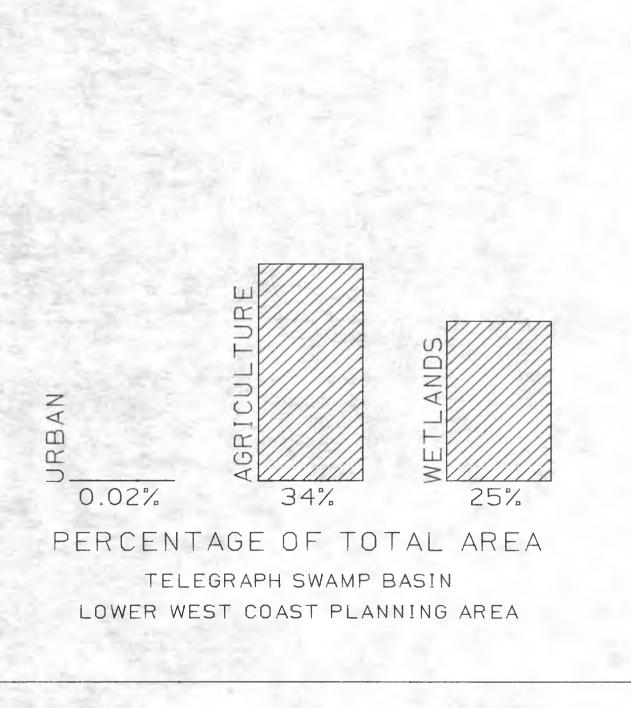
PERCENTAGE OF TOTAL AREA

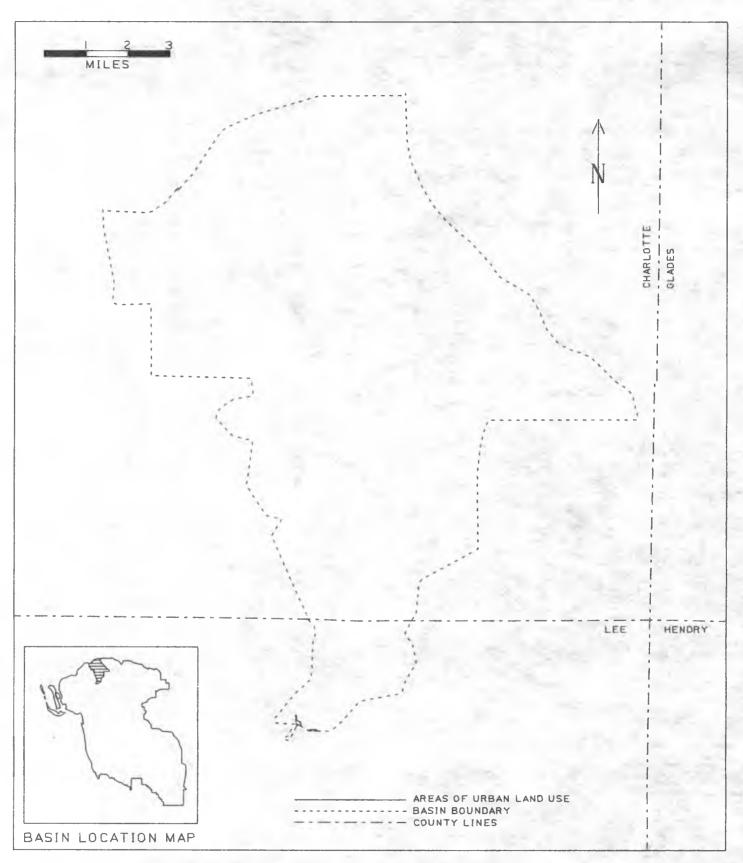
NORTH COASTAL BASIN
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED URBAN MAP

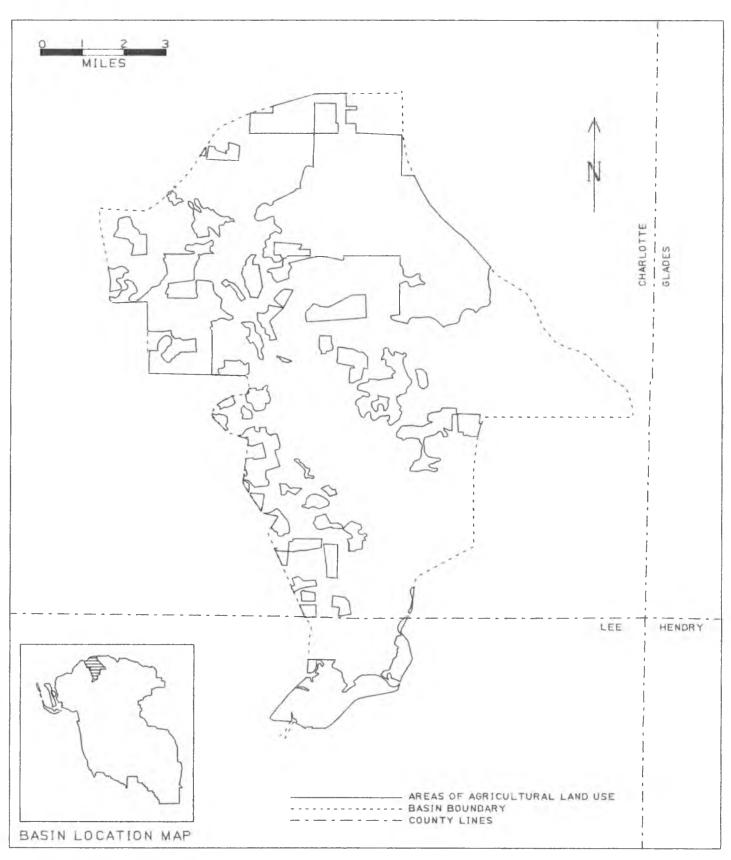
NORTH COASTAL BASIN LOWER WEST COAST PLANNING AREA





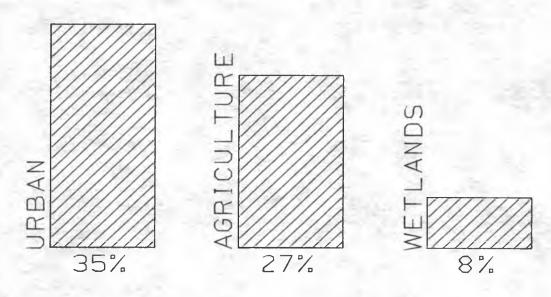
1977 GENERALIZED URBAN MAP

TELEGRAPH SWAMP BASIN LOWER WEST COAST PLANNING AREA



1977 GENERALIZED AGRICULTURE MAP
TELEGRAPH SWAMP BASIN

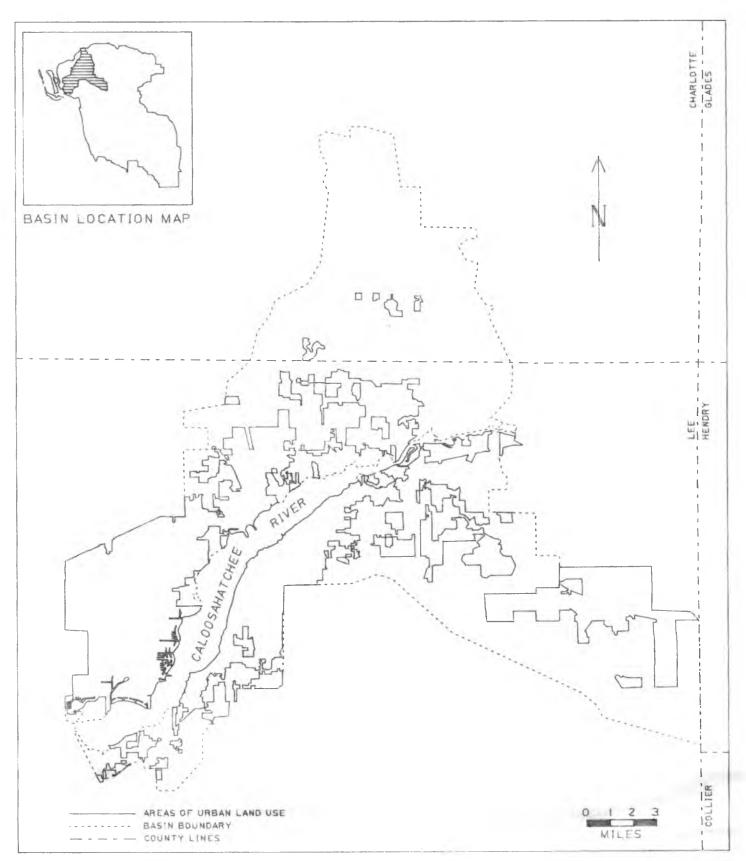
LOWER WEST COAST PLANNING AREA



PERCENTAGE OF TOTAL AREA

TIDAL CALOOSAHATCHEE BASIN

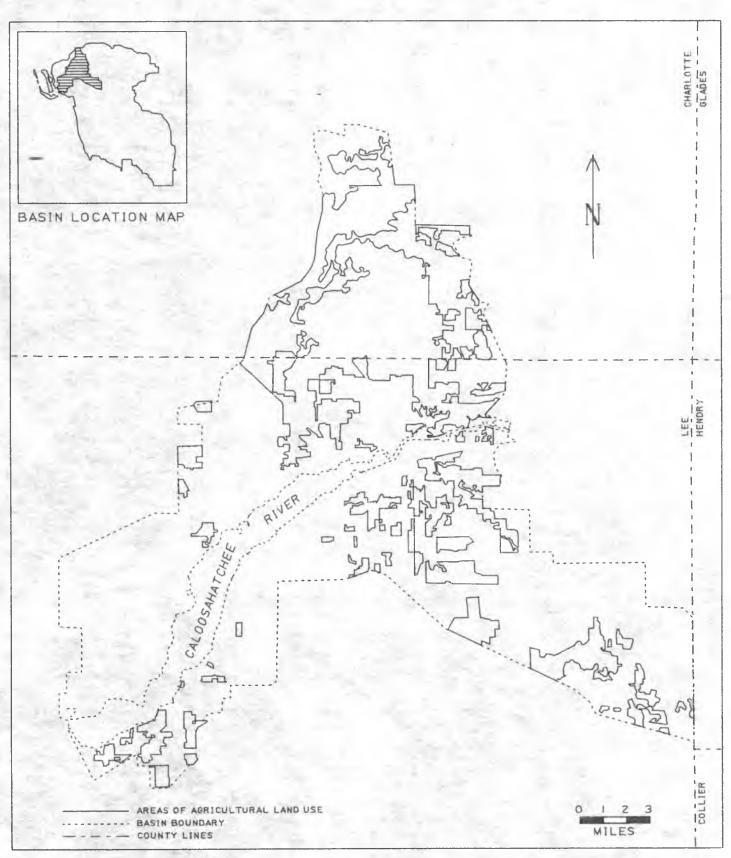
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED URBAN MAP

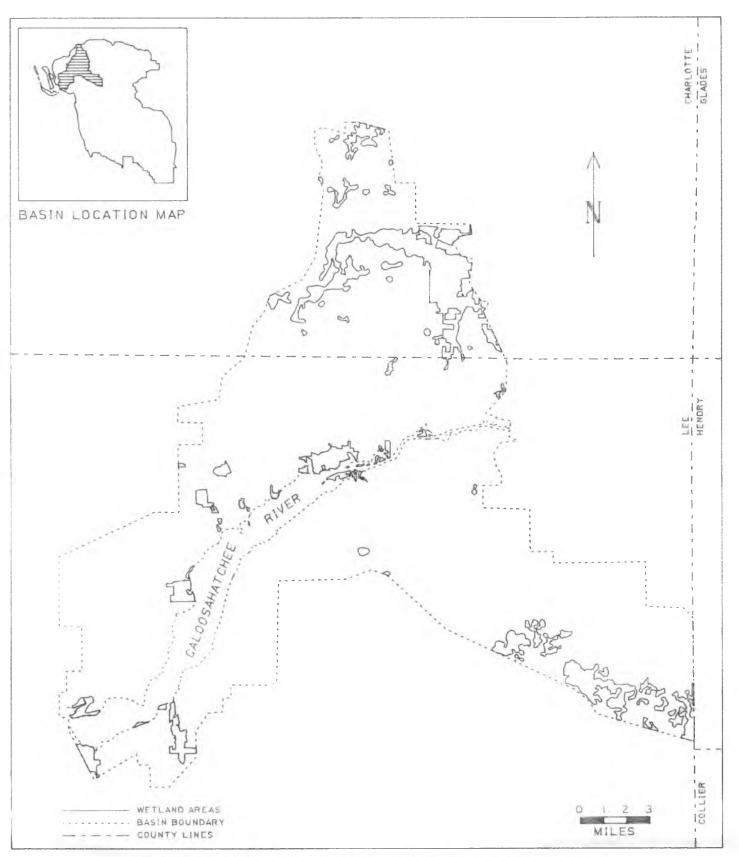
TIDAL CALOOSACHATCHEE BASIN
LOWER WEST COAST PLANNING AREA

-21-



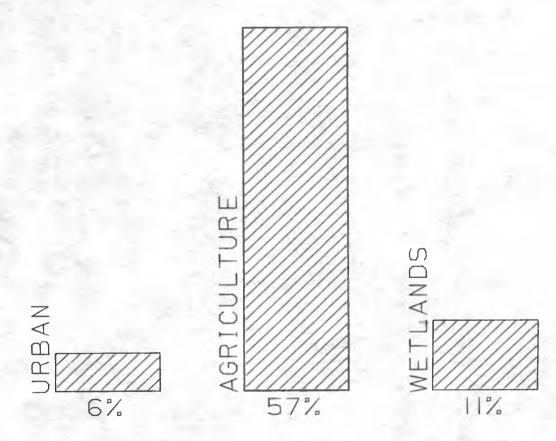
1977 GENERALIZED AGRICULTURE MAP

TIDAL CALOOSACHATCHEE BASIN
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED WETLANDS MAP

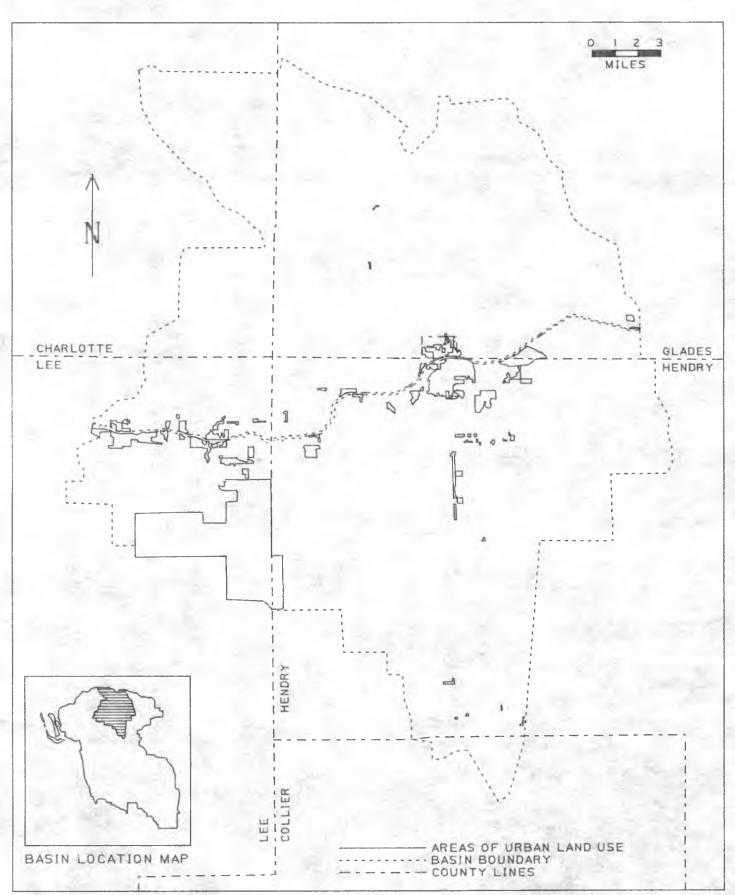
TIDAL CALOOSACHATCHEE BASIN LOWER WEST COAST PLANNING AREA



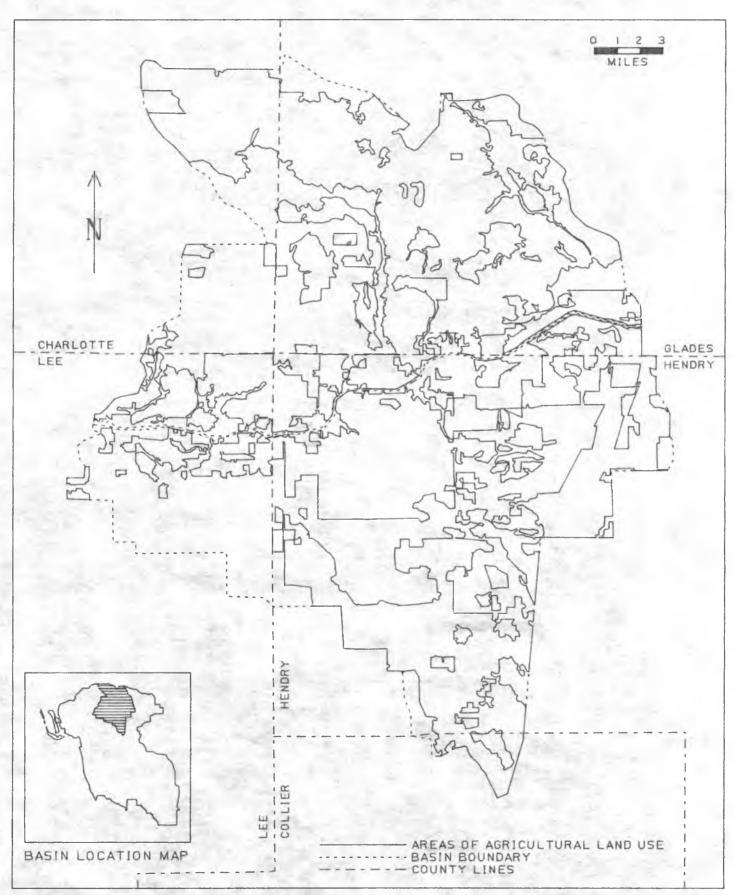
PERCENTAGE OF TOTAL AREA

WEST CALOOSAHATCHEE BASIN

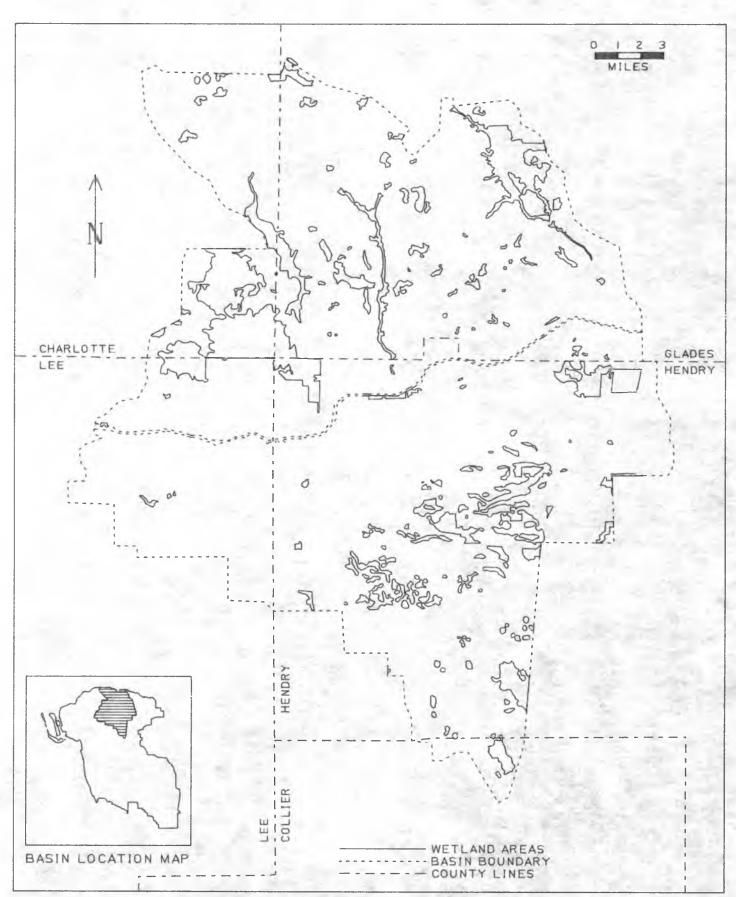
LOWER WEST COAST PLANNING AREA



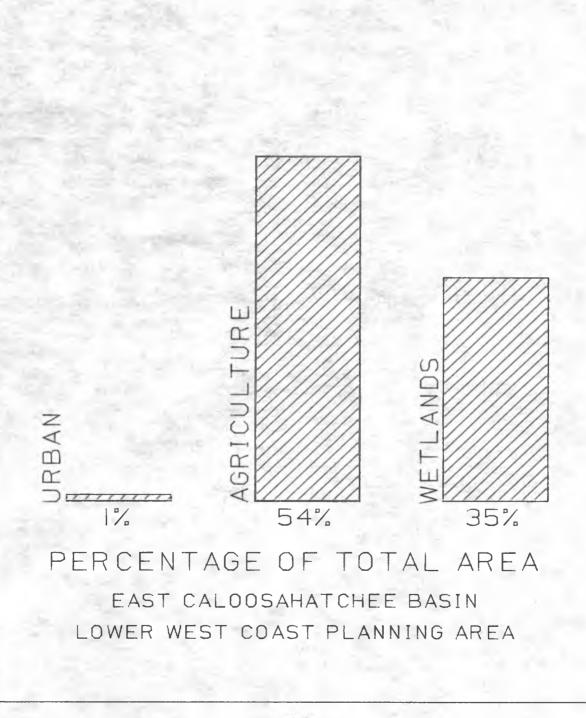
1977 GENERALIZED URBAN MAP
WEST CALOOSAHATCHEE BASIN
LOWER WEST COAST PLANNING AREA
-25-

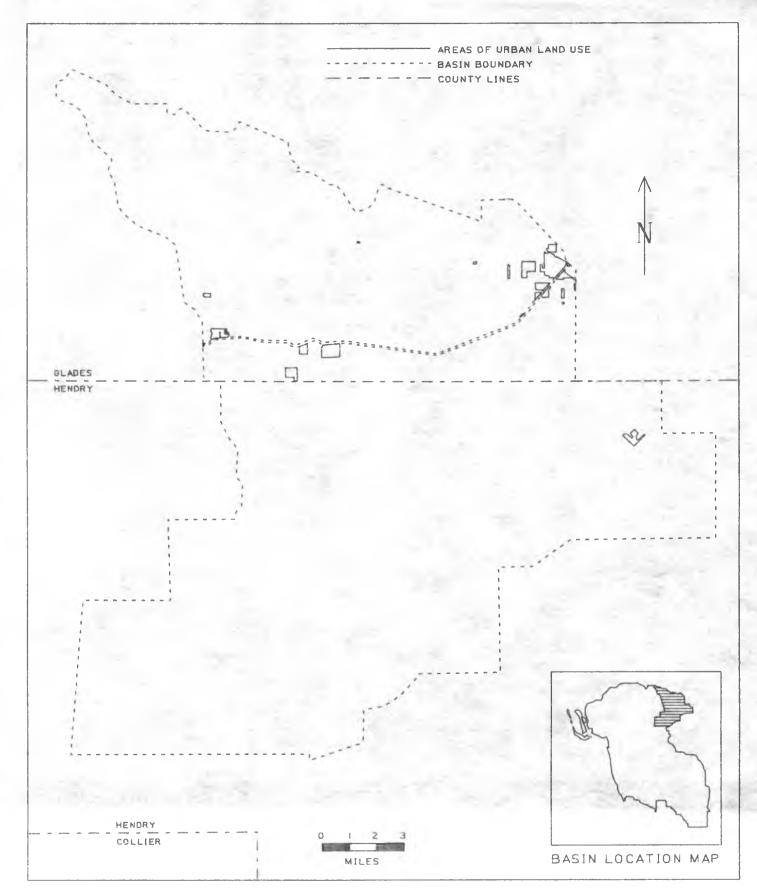


1977 GENERALIZED AGRICULTURE MAP
WEST CALOOSAHATCHEE BASIN
LOWER WEST COAST PLANNING AREA
-26-



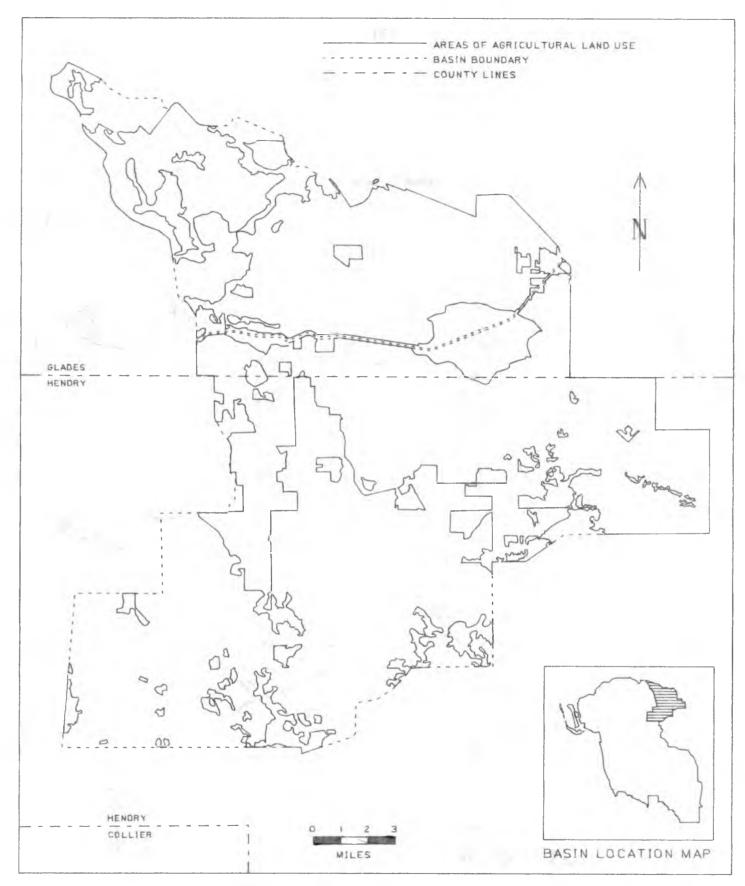
1977 GENERALIZED WETLANDS MAP
WEST CALOOSAHATCHEE BASIN
LOWER WEST COAST PLANNING AREA





1977 GENERALIZED URBAN MAP

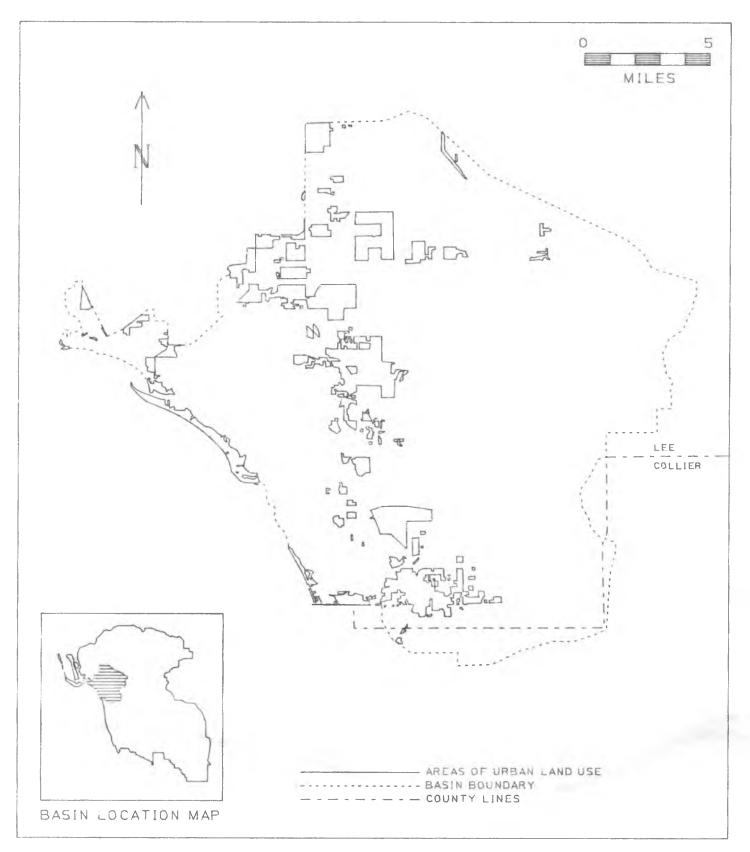
EAST CALOOSAHATCHEE BASIN LOWER WEST COAST PLANNING AREA



1977 GENERALIZED AGRICULTURE MAP

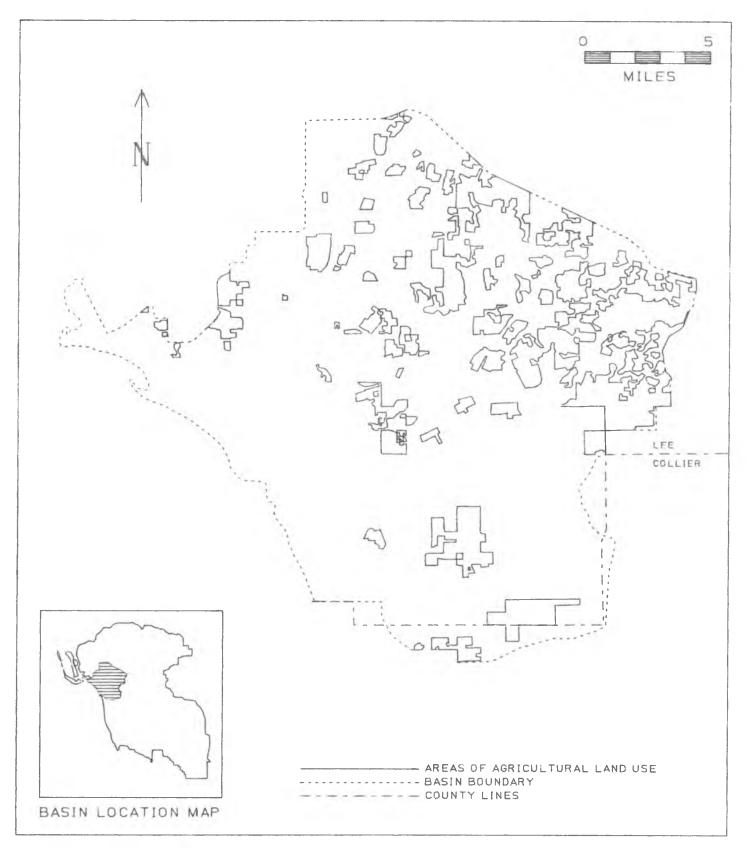
EAST CALOOSAHATCHEE BASIN

LOWER WEST COAST PLANNING AREA



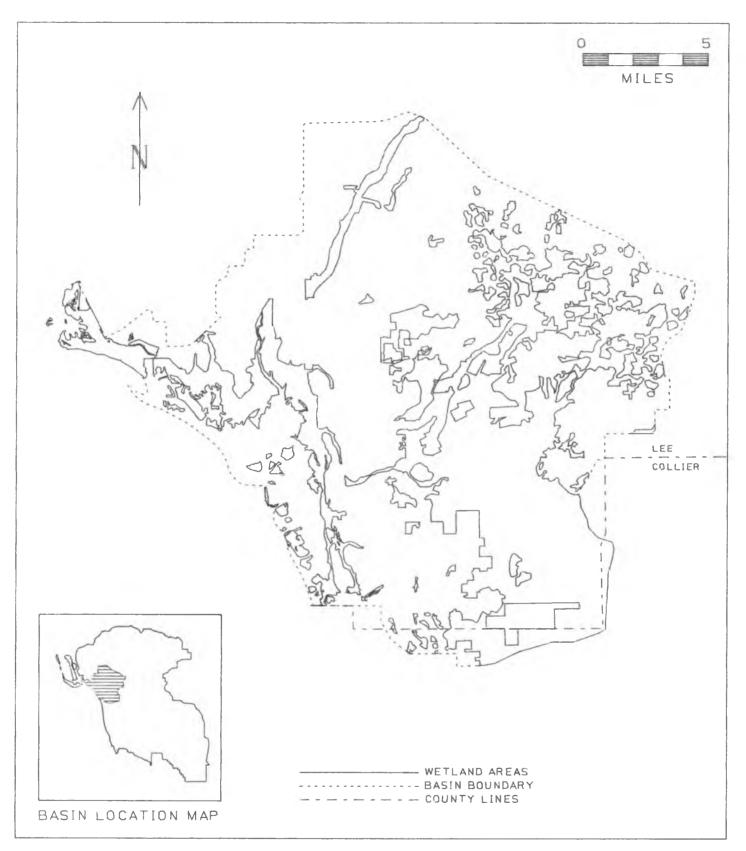
GENERALIZED URBAN MAP

ESTERO BAY BASIN
LOWER WEST COAST PLANNING AREA



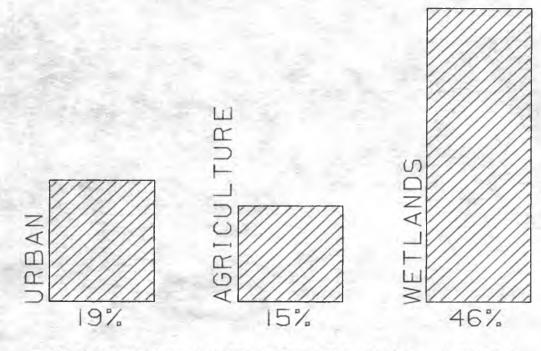
GENERALIZED AGRICULTURE MAP

ESTERO BAY BASIN
LOWER WEST COAST PLANNING AREA
-34-



GENERALIZED WETLANDS MAP

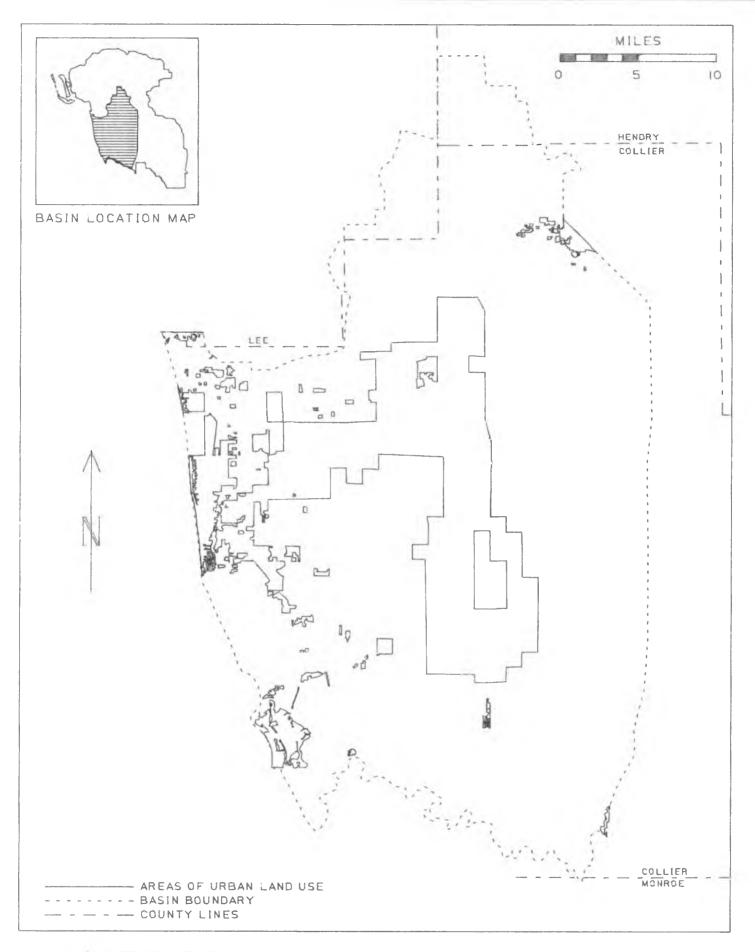
ESTERO BAY BASIN
LOWER WEST COAST PLANNING AREA
-35-



PERCENTAGE OF TOTAL AREA

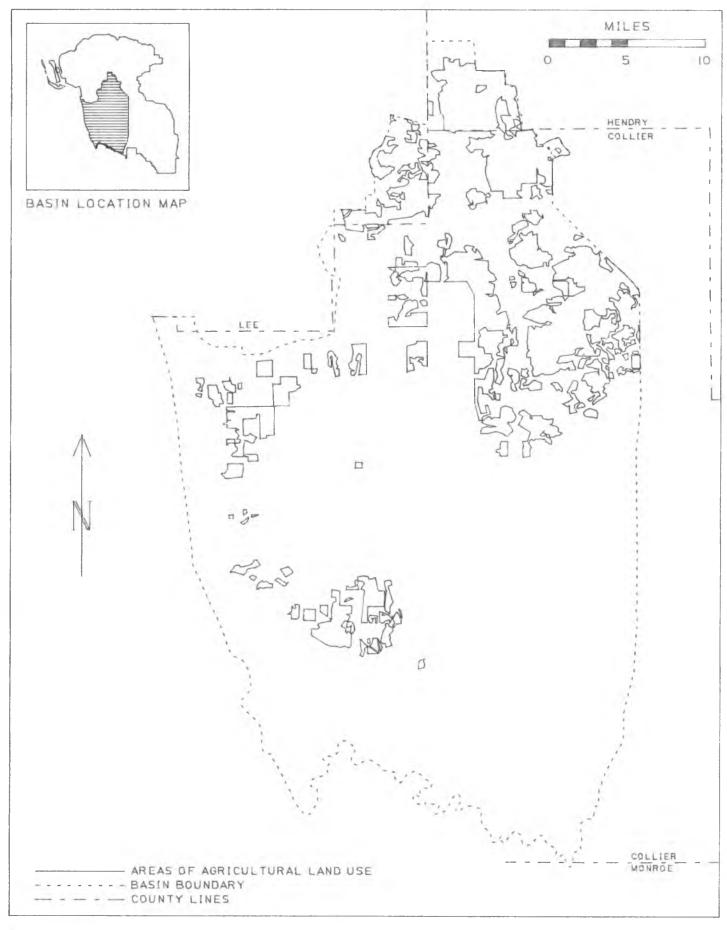
WEST COLLIER BASIN

LOWER WEST COAST PLANNING AREA

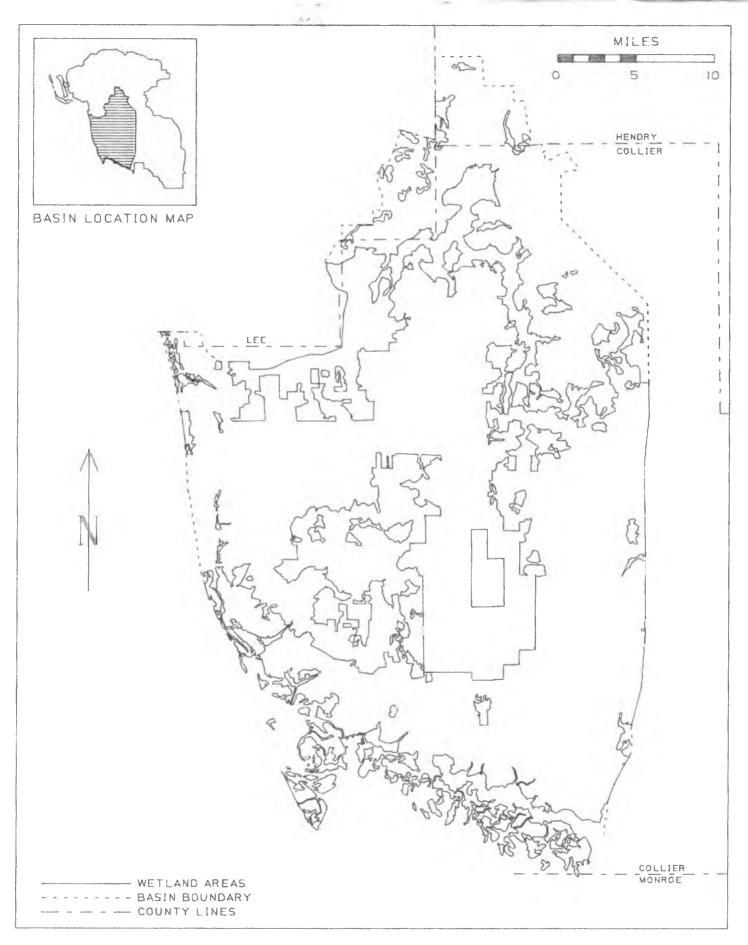


1977 GENERALIZED URBAN MAP

WEST COLLIER BASIN
LOWER WEST COAST PLANNING AREA

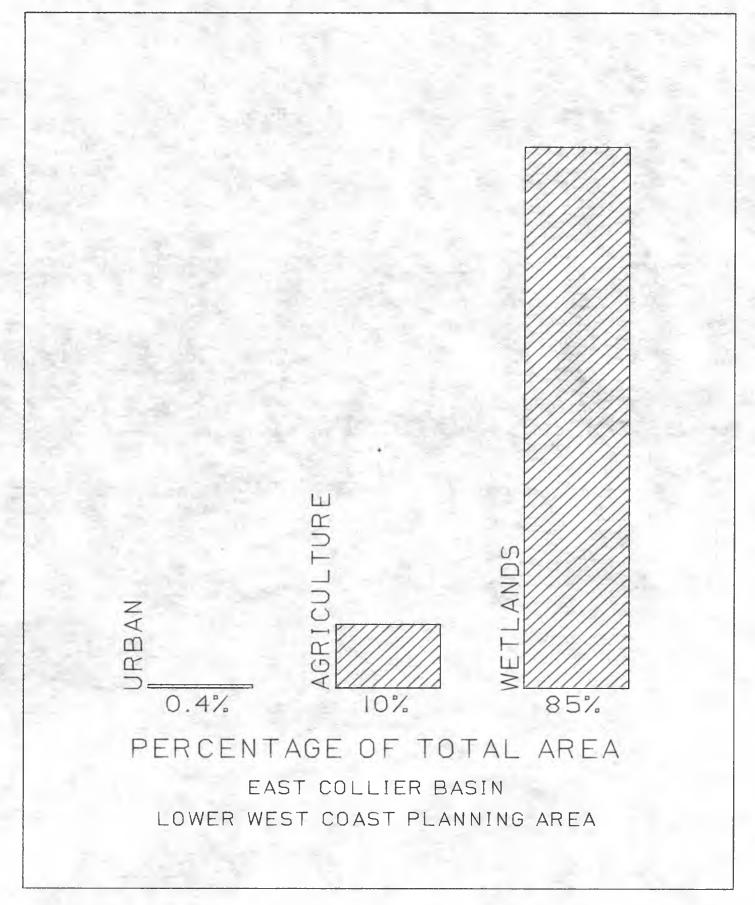


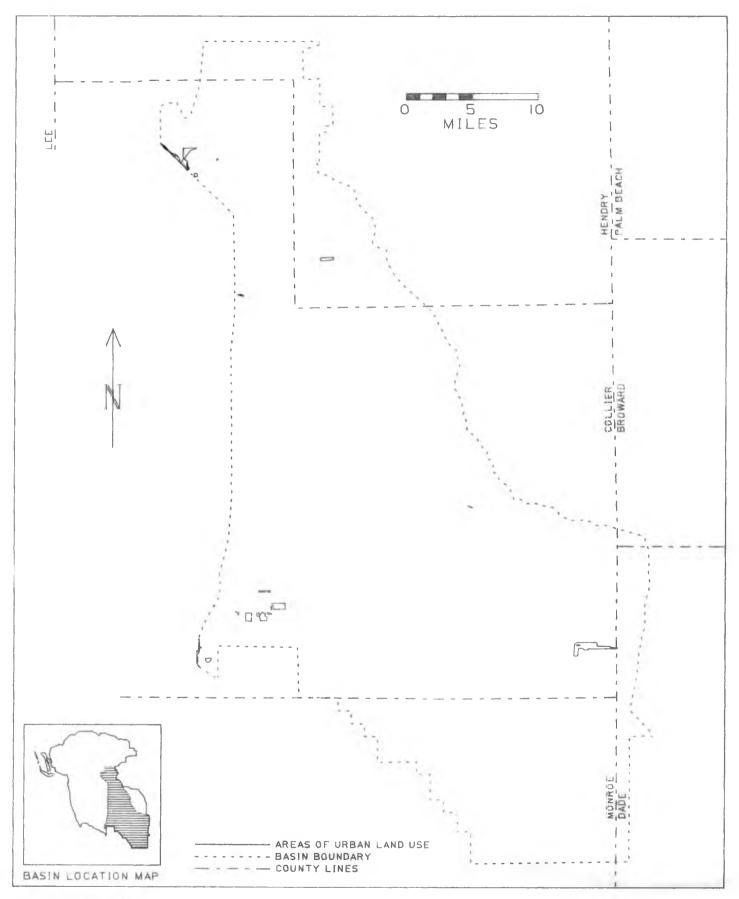
WEST COLLIER BASIN
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED WETLANDS MAP

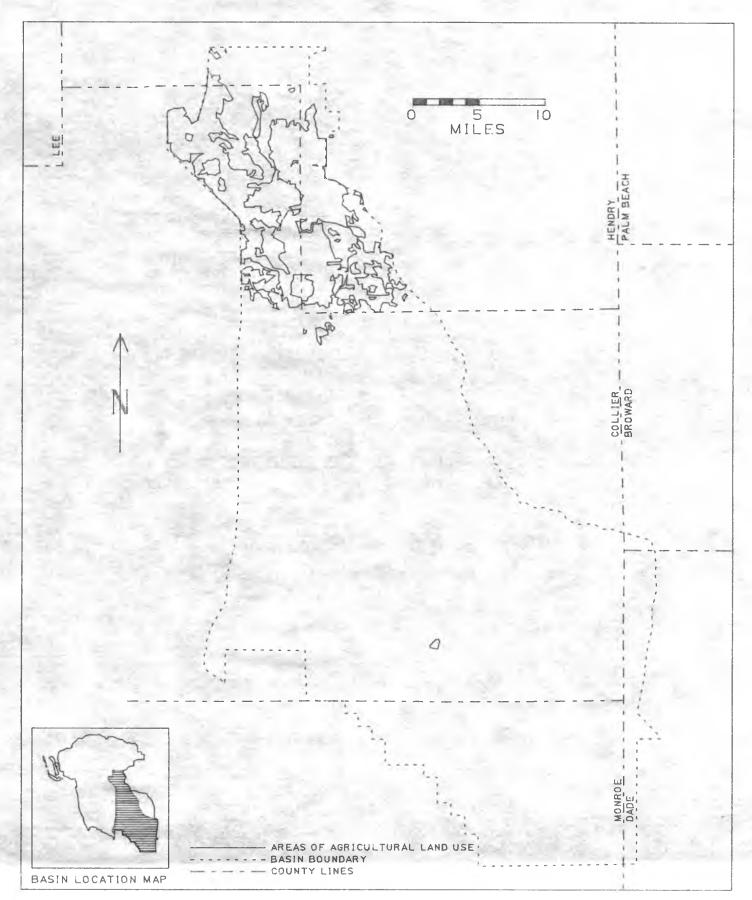
WEST COLLIER BASIN
LOWER WEST COAST PLANNING AREA





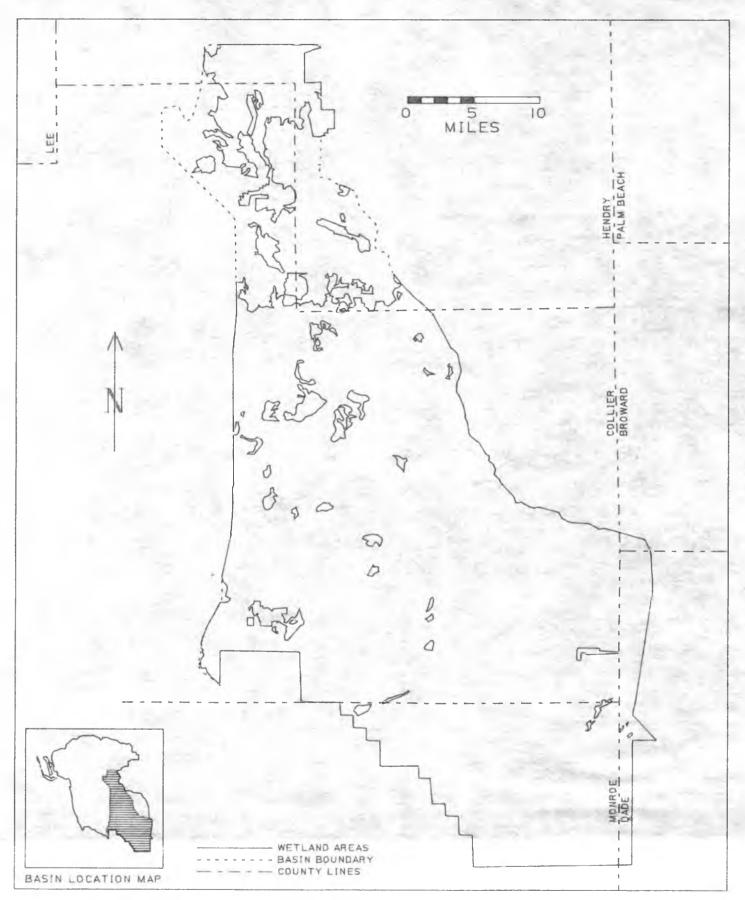
1977 GENERALIZED URBAN MAP

EAST COLLIER BASIN
LOWER WEST COAST PLANNING AREA



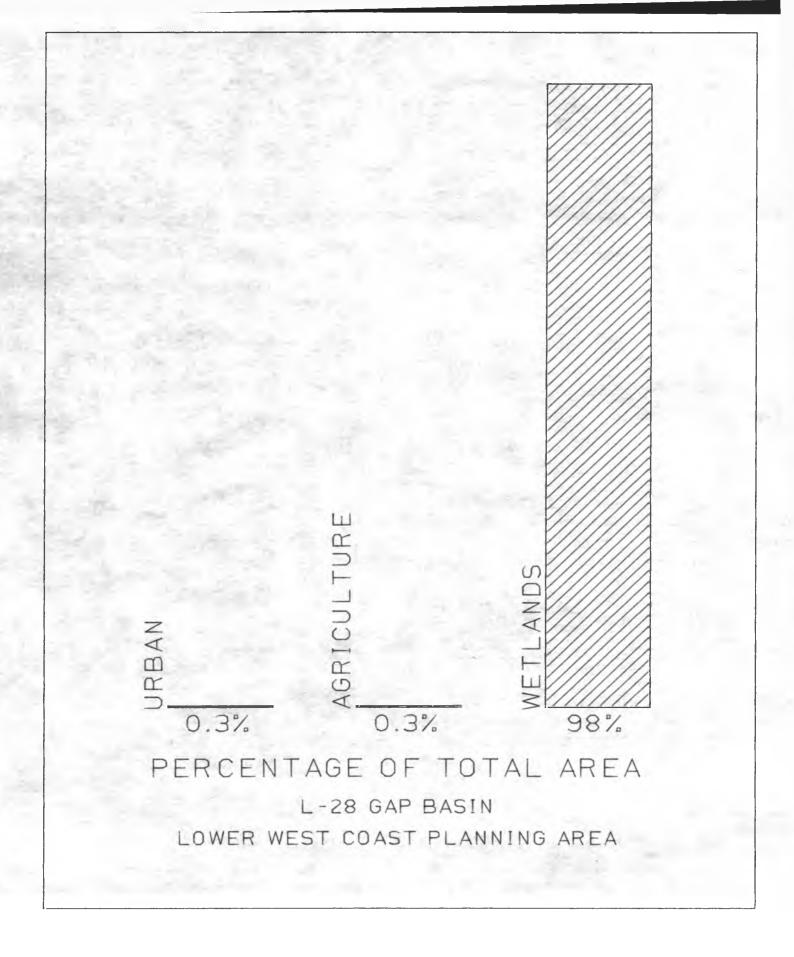
1977 GENERALIZED AGRICULTURE MAP

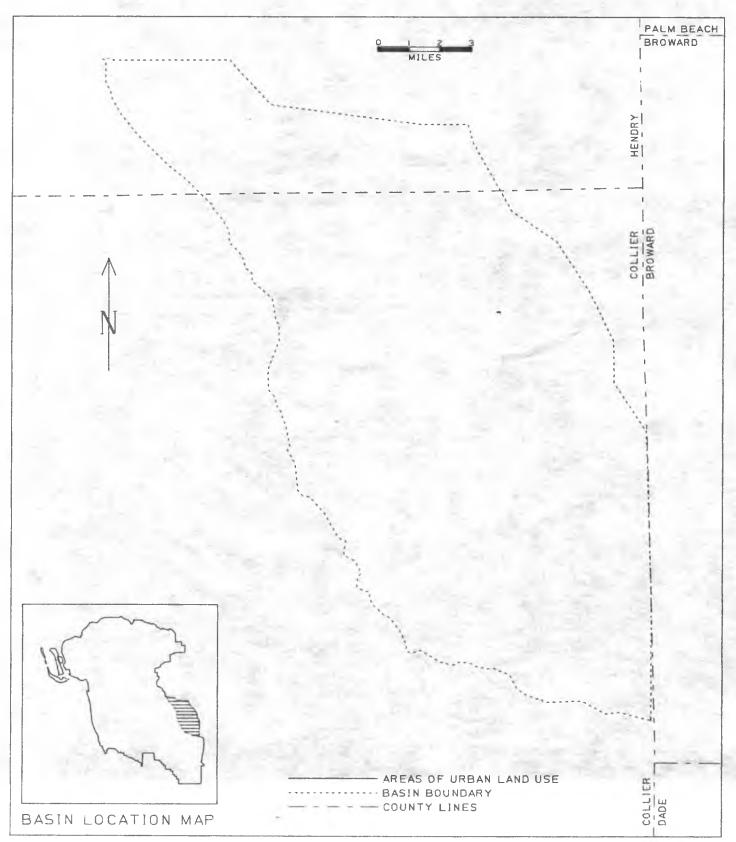
EAST COLLIER BASIN
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED WETLANDS MAP

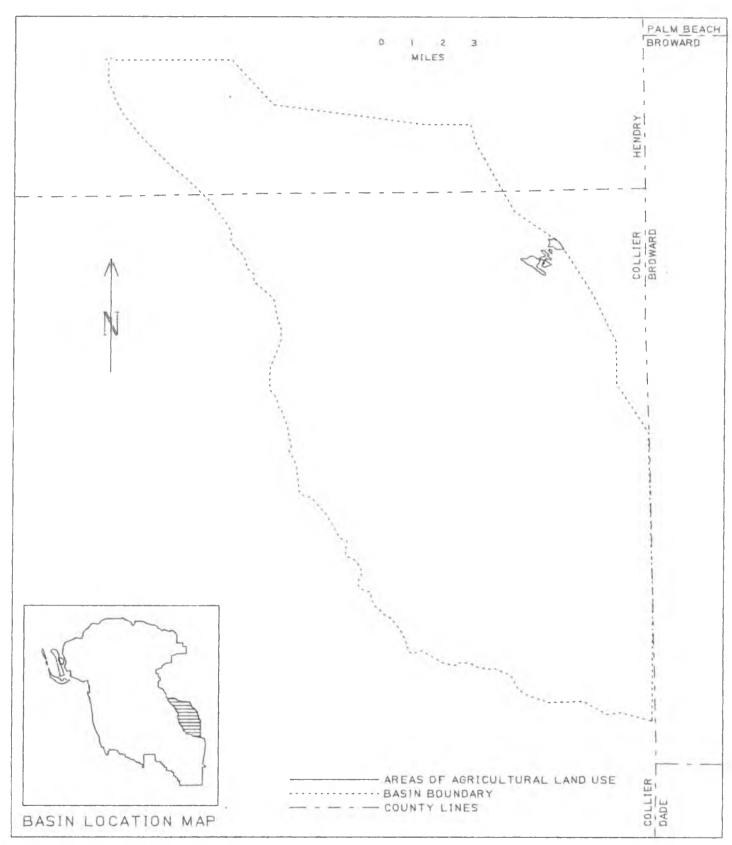
EAST COLLIER BASIN
LOWER WEST COAST PLANNING AREA





1977 GENERALIZED URBAN MAP

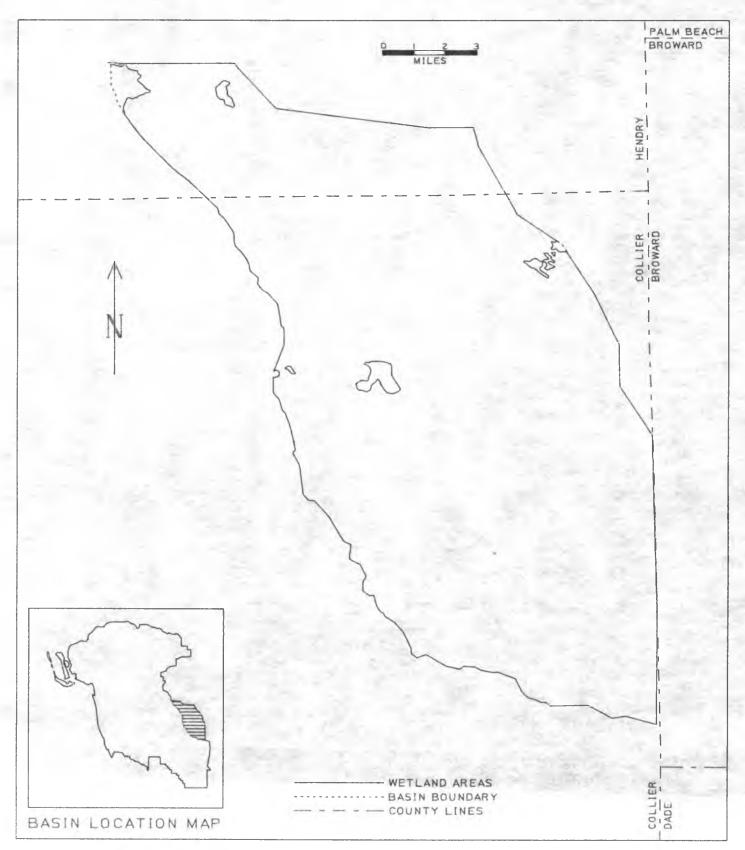
L28 GAP BASIN
LOWER WEST COAST PLANNING AREA



1977 GENERALIZED AGRICULTURE MAP

L28 GAP BASIN

LOWER WEST COAST PLANNING AREA



1977 GENERALIZED WETLANDS MAP

L28 GAP BASIN
LOWER WEST COAST PLANNING AREA

## COMPARISON OF SFWMD AND DOT LAND USE AND LAND SFWMD DOT LEVEL I SFWMD DOT (U) (100) Urban & Built- (UR) (120)

(0)	(100)	up Land	(011)	(120)
			(UC)	(140)
				(150) (170)
			(UT)	(810)

## COVER CLASSIFICATION CODES

LEVEL II	SFWMD	DOT	LEVEL III
Residential			Single-Family, Low Density
	(URSM)	(121)	(Under 2 D.U./gross acre) Single-Family, Medium Density
	(URSH)	(131)	(2 to 5 D.U./gross acre) Single-Family, High Density (over 5 D.U./gross acre)
	(URMF) (URMH)	(134) (122)	Multi-Family Building Mobile Homes
Commercial & Services	(UCPL) (UCSC) (UCSS) (UCCE) (UCMC) (UCHM)	(141) (141) (141) (144) (184) (145)	Parking Lot Shopping Center Sales & Services Cultural & Entertainment Marine Commercial (Marinas) Hotel-Motel
Industrial	(UIJK)	(141)	Junkyard
Institutional	(USED) (USMD) (USRL) (USMF) (USCF) (USCF)	(171) (174) (172) (173) (176) (175)	Educational Medical Religious Military Correctional Governmental (other than military or correctional)
Transportation	(UTAP) (UTAG) (UTRR) (UTPF) (UTOG) (UTEP) (UTTL) (UTHW) (UTWS) (UTSP) (UTSW) (UTRS)	(811) (812) (815) (817) (831) (832) (814) (833) (834) (835) (821)	Airports Small Grass Airport Railroad Yards & Terminals Port Facilities Oil & Gas Storage Electrical Power Facilities Major Transmission Lines Major Highways & Rights-of-way Water Supply Plants Sewerage Treatment Plants Solid Waste Disposal Broadcasting or Receiving Towers

	SFWMD	DOT	LEVEL I	SFWMD	DOT
				(00)	(190)
	(A)	(200)	Agriculture	(AC)	(210)
	,	(===,		(,,,,,	(210)
				(AM)	(220)
				(45)	(220)
-49				(AF)	(230)
Ŷ					
	(R)	(300)	Rangeland	(RG)	(310)
				(RS)	(320)
	(F)	(400)	Forested Uplands	(FE)	(410)
				(FO)	(420)

LEVEL II	SFWMD	DOT	LEVEL III
Open and Others	(UORC) (UOGC) (UOPK) (UOCM) (UOUN)	(186) (182) (185) (148) (191)	Recreational Facility Golf Courses Parks Cemeteries Open and Undeveloped Within Urban Area Open Under Development
Cropland	(ACSC) (ACTC) (ACRF)	(216) (214) (215)	Sugar Cane Truck Crops Rice Fields
Orchards, Groves, Vineyards, Ornamentals, Nurseries, horticultural areas	(AMTF)	(221) (222) (242) (243)	Citrus Tropical Fruits Sod Farms Ornamentals
Confined Feeding Operations	(AFFL) (AFDF) (AFFF) (AFHT) (AFPY)	(231) (252) (254) (251) (232)	Cattle Feed Lots Dairy Farms Fish Farms Horse Training & Stables Poultry
Grassland			
Scrub and Brushland	(RSPP) (RSSB)	(321) (329)	Palmetto Prairies Brushland
Coniferous	(FEPF) (FESP) (FECF)	(411) (413) (441)	Pine Flatwoods Sand Pine Scrub Commercial Forest (Pine)
Non-Coniferous	(FOAP) (FOBP) (FOPA) (FOSO) (FOOK) (FOCF)	(414) (422) (428) (432) (425) (442)	Australian Pine Brazilian Peppers Palms Scrub Oak Oak Commercial Forest

SFWMD	DOT	LEVEL I	SFWMD	DOT
(W)	(600)	Wetlands	(WF)	(610)
(W)	(600)	Wetlands	(WN)	(640)
			(WS)	(640)
			(MM)	(642)
			(WX)	(643)
(н)	(500)	Water	(HC) (HO) (HM) (HE)	(510) (520) (500) (540)
(B)	(700)	Barren Land	(BB) (BP)	(710) (742)
			(BS) (BL)	(743) (744)

Forested Fresh Non-Forested Fresh	(WFCY) (WFWL) (WFME) (WFSB) (WFMX) (WNSG) (WNCT) (WNBR) (WNBR) (WNWC) (WNAG) (WNWL)	(621) (610) (424) (610) (630) (641) (641) (641) (641) (641)	Cypress Willow Melaleuca Scrub & Brushland Mixed Forested Sawgrass Cattail Bullrush Wire Cordgrass Mixed Aquatic Grass Sloughs			
Forested Salt Non-Forested Sal	(WSRM) (WSBW) t	(612) (612)	Red Mangrove Black & White Mangrove			
Mixed Forested & Non-Forested Fresh	(WXPP) (WXCP) (WXHM)	(643) (643) (643)	Pine & Wet Prairies Cypress Domes & Wet Prairies Hardwood & Marsh			
Rivers, Streams, Canals Open Fresh Water Open Marine Water						

SFWMD DOT LEVEL III

Bays & Estuaries

Beaches
Extractive (Strip Mines,
Quarries & Gravel Pits
Spoil Areas

Levees

LEVEL II

<u>Island Basin</u> - Lower West Coast Planning Area. Preliminary 1977 Existing Land Use and Land Cover Inventory.

<u>Class</u>	ification		Area (In Acres)	Percent Impervious	Impervious Area(In Acres)
(U) <u>j</u>	Urban & Buil	t-Up Land			
	(UR) Residen (URSL) (URSM) (URSH) (URMF) (URMH)	tial Low Density Med. Density High Density Multi-family Mobile Home	1871 1583 289 171 201	20 50 65 80 24	374 792 188 137 48
		TOTAL (UR)	4115		1539
	(UC) <u>Commer</u> (UCSC) (UCSS) (UCMC)	cial & Service Shopping Center Sales & Service Marine Commercial (Marinas)	17 191 <u>14</u>	95 85 90	16 162 13
		TOTAL (UC)	222		191
P (	(UI) Industr	ial	2	75	1.5
		TOTAL (UI)	2		1.5
ı	(US) Institu (USED) (USRL) (USGF)	tional Educational Religious Government & Correctional	22 6 	26 72 81	6 4 <u>19</u>
		TOTAL (US)	52		29
(	(UT) <u>Transpo</u> (UTAG) (UTWS) (UTSP)	rtation Small grass airport Water supply plant Sewerage plant TOTAL (UT)	12 26 8 46	0 15 15	0 4 <u>1</u> 5
	(UO) <u>Open &amp;</u> (UORC) (UOGC) (UOPK) (UOUD) (UOUN)	Other Recreational Golf course Parks Under development Open & undeveloped TOTAL (UO)	39 420 42 2471 541 3513	5 5 5 5 5	2 21 2 124 27 176

(A)	Agriculture				
	(AC) <u>Croplan</u> (ACTC)		33 119	0 0	0
		TOTAL (AC)	152		0
	(AP) Pasture (APIM)		145	0	0
		TOTAL (AP)	145		0
	nurser	ds, groves, vineyards, ies, ornamental & ultural area	165	0	0
	(AMCT) (AMTF) (AMOR)	Citrus Tropical fruits Ornamentals	265 29 35	0 0 0	0 0 0
		TOTAL (AM)	494		0
		TOTAL (A)	791		0
(R)	Rangeland (RG) Grassla	and	320	0	0
		TOTAL (RG)	320		0
	(RS) Scrub 8 (RSPP)		<u>2627</u>	0	0
		TOTAL (RS)	2627		0
		TOTAL (R)	2947		0
(F)	Forested Upl	<del></del>			
		Pine Flatwoods	<u>5789</u>	0	0
		TOTAL (FE)	5789		0
	(FO) Non-Cor (FOAP) (FOBP) (FOPA)	niferous Australian Pines Brazilian Peppers Palms	2925 194 1124 242	0 0 0 0	0 0 0 0
		TOTAL (FO)	4485		0
	(FM) Mixed F (FMCO) (FMOF) (FMCD)	Forested Cabbage Palms/Oaks Old Fields Coastal Dunes	592 405 420 657	0 0 0 0	0 0 0 0
		TOTAL (FM)	2074		0
		TOTAL (F)	12,348		0

(W)	Wetlands			
	(WF) Forested Fresh (WFME) MeTaleuca	11 287	0	0
	TOTAL (WF)	298		0
	(WS) <u>Forested Salt</u> (WSRM) <u>Red Mangrove</u>	17,043 <u>825</u>	0	0 0
	TOTAL (WS)	17,868		0
	TOTAL (W)	18,166		0
(H)	Water			
	(HC) Rivers, Streams, Canals	96	100	96
	TOTAL (HC)	96		96
(HO) Open Fresh		_233	100	233
	TOTAL (HO)	233		233
(HE) <u>Bays &amp; Estuaries</u>		923	100	923
	TOTAL (HE)	923		923
	TOTAL (H)	1252		1252
(B)	Barren Land			
	(BB) Beaches	895	0	0
	TOTAL (BB)	895		0
	TOTAL (B)	895		0
Tota	1 Area	44,349		
Tota	l Impervious Area	3,193.5		
Total % of Impervious Area		7%		

## North Coastal Basin - Lower West Coast Planning Area. Preliminary 1977 Existing Land Use and Land Cover Inventory

<u>Clas</u>	sifica	tion		Area (in acres)	Percent Impervious	Impervious Area (in acres)
(U)	Urban	& Built-	up Land			
	(UR)	Residential (URSL) Low Density (URSM) Med. Density (URMH) Mobile Home		855 31 106	20 50 24	171 16 25
			TOTAL (UR)	992		212
	(UC)	(UCSS)	al & Service Sales & Services Cultural & Enter-	43	85	37
		(0002)	tainment	_18	85	<u>15</u>
			TOTAL (UC)	61		52
	(UI)	Industri	<u>al</u>	_59	75	44
			TOTAL (UI)	59		44
	(US)	Institut	ional	15	49	
			TOTAL (US)	15		7
	(UT)		tation Electrical Power Facilities Water Supply Plants	2 8	50 15	1
			TOTAL (UT)	10		2
	(00)	(UOUN)	thers Cemeteries Open & Undeveloped Under development	27 537 <u>25138</u>	5 5 5	1 27 <u>1257</u>
			TOTAL (UO)	25702		1285
			TOTAL (U)	26839		1602
(A)	Agric	ulture				
	(AP)		Improved Pasture Unimproved Pasture	15675 2411	0 0	0 0
			TOTAL (AP)	18086		0
			TOTAL (A)	18086	-	0

(R)	Range	land			
	(RG)	Grassland	138	0	0
		TOTAL (RG)	138		0
	(RS)	Scrub & Brushland	331	0	0
		TOTAL (RS)	331		0
		TOTAL (R)	469		0
(F)	Fores	ted Uplands			
	(FE)	Coniferous (FEPF)	19039	0	0
		TOTAL (FE)	19039		0
	(FM)	Mixed Forested (FMOF) Old Fields (FMPC) Pine/Cabbage Palm	806 136	0 0	0
		TOTAL (FM)	942		0
		TOTAL (F)	19981		0
(W)	Wetla	nds			
	(WF)	Forested Fresh (WFCY) Cypress (WFMX) Mixed Forested	470 1263	0 0	0
		TOTAL (WF)	1733		0
	(WN)	Non-Forested Fresh	56	0	0
		TOTAL (WN)	56		0
	(WS)	Forested Salt (WSRM) Red Mangrove	6738 266	0 0	0
		TOTAL (WS)	7004		0
	(WM)	Non-Forested Salt	718	0	0
		TOTAL (WM)	718		0
	(WX)	Mixed Forested & Non- Forested Fresh			
		(WXPP) Pine & Wet Prairie	12825	0	0
		TOTAL (WX)	12825		0
		TOTAL (W)	22336		0

(H)	Water							
	(HC) Rivers,	Streams,	Cana1s	319		100	319	
		TOTAL	(HC)	319			319	
	(HO) Open Fr	resh Water		138		100	138	
		TOTAL	(HO)	138			138	
	(HE) Bays &	Estuaries		_89		100	_89	
		TOTAL	(HE)	89			89	
		TOTAL	(H)	546			546	
(B)	Barren Land			786		0	0	
	(BB) <u>Beaches</u>	<u>i</u>		_13		0	0	
		TOTAL	(BB)	13			0	
	(BS) Spoil A	reas		_26		0	0	
		TOTAL	(BS)	26			0	
		TOTAL	(B)	825			0	
TOTA	L AREA			89,082	Acres			
TOTA	AL IMPERVIOUS A	REA		2,148	Acres			
TOTAL % OF IMPERVIOUS AREA			2	%				

<u>Telegraph Swamp</u> - Lower West Coast Planning Area. Preliminary 1977 Existing Land Use and Land Cover Inventory

Classification	Area (in acres)	Percent Impervious	Impervious Area (in acres)
(U) Urban & Built-Up Land			
(UR) Residential (URSL) Low Density	_8	20	_2
TOTAL (UR)	8		2
(UO) <u>Open &amp; Others</u> (UOUD) <u>Under development</u>	_4	5	_0
TOTAL (UO)	4		0
TOTAL (U)	12		2

## (A) Agriculture

		Pasture (APIM) Improved (APUN) Unimprov  TO Orchards, grove	ed pasture TAL (AP)	16,938 2,399 19,337	0 0	0 0
		yards, nurserie ornamental & ho ural area (AMCT) Citrus	s, rticult-	<u>810</u>	0	_0
			TAL (AM)	810		0
			TAL (A)	20,147		0
(R)	Rang	<u>eland</u>				
	(RS)	Scrub and Brush (RSPP) Palmetto	<u>land</u> Prairies	2113 4014	0	0
		T0	TAL (RS)	6127		0
		ТО	TAL (R)	6127		0
(F)	Fore	sted Upland				
	(FE)	Coniferous (FEPF) Pine Fla	twoods	9781	0	_0
		Т0	TAL (FE)	9781		0
	(FM)	Mixed Forested (FMCO) Cabbage (FMOF) Old Field (FMPC) Pine/Cabb (FMPO) Pine/Oaks	ds bage Palm	344 314 7316 55	0 0 0 0	0 0 0 0
		Т0	TAL (FM)	8029		0
		T0	TAL (F)	17,810		0
(W)	Wetla	ands				
	(WF)	Forested Fresh (WFCY) Cypress		6276	0	_0
		T0 <sup>-</sup>	TAL (WF)	6276		0
	(WN)	Non-Forested From (WNAG) Mixed Aqu	<u>esh</u> uatic Grass	1161 12	0	0
		TO <sup>-</sup>	TAL (WN)	1173		0

(WX) <u>Mixed Forest</u> Fresh	ed & Non-Foreste	<u>ed</u>		
	& Wet Prairie	7600	0	_0
	TOTAL (WX)	7600		0
	TOTAL (W)	15,049		0
(W) <u>Water</u>				
(HO) <u>Open Fresh W</u>	ater	10	100	10
	TOTAL (HO)	10		10
	TOTAL (H)	10		10
TOTAL AREA		59,155 Acres		
TOTAL IMPERVIOUS AREA		12 Acres		
TOTAL % OF IMPERVIOUS	AREA	0%		

<u>Tidal Caloosahatchee Basin</u> - Lower West Coast Planning Area, Preliminary 1977 Existing Land Use and Land Cover Inventory

Classification	Area	Percent	Impervious
	(in acres)	Impervious	Area (in acres)
(U) Urban & Built-Up Land			
(UR) Residential (URSL) Low Density (URSM) Med. Density (URSH) High Density (URMF) Multi-Family (URMH) Mobile Home	20067	20	4013
	13951	50	6976
	27	65	18
	1121	80	897
	2625	24	630
TOTAL (UR)	37791		12534
(UC) Commercial & Services (UCSC) Shopping Center (UCSS) Sales & Services (UCCE) Cultural & Entertainment (UCMC) Marine Commercial (Marinas) (UCHM) Hotel-Motel	19	95	18
	1771	85	1505
	30	85	26
	39	90	35
	7	85	6
TOTAL (UC)	1866		1590
(UI) <u>Industrial</u>	1881	75	1411
(UIJK) Junkyard	<u>16</u>	2	0
TOTAL (UI)	1897		1411

	(US) Institutional (USED) Educational (USMD) Medical (USRL) Religious (USCF) Correctional (USGF) Government	42 759 43 47 26 10	49 26 19 72 81 81	21 197 8 34 21 8
	TOTAL (US)	927		289
	(UT) Transportation (UTAP) Airports (UTAG) Small Grass Airports (UTRR) Railroad Yards & Terminals	1488 11 18	15 0 5	223 0 9
	(UTEP) Electrical Power Facilities (UTTL) Major Transmission Lines (UTHW) Major Highways & Rights-of-Way (UTWS) Water Supply Plants (UTSP) Sewerage Plants	98 568 70 4 47	50 0 20 15 15	49 0 14 1 7
	TOTAL (UT)	2304		303
	(UO) Open & Others (UORC) Recreational Facility (UOGC) Golf Courses (UOPK) Parks (UOCM) Cemeteries (UOUN) Open & Undeveloped (UOUD) Under Development	90 1694 54 79 5357 24544	5 5 5 5 5 5	5 85 3 4 268 1,227
	TOTAL (UO)	31818		1,592
	TOTAL (U)	76603		17,719
(A)	Agriculture			
	(AC) <u>Cropland</u> (ACTC) Truck Crops	3820	0	0
	TOTAL (AC)	3820		0
	(AP) Pasture (APIM) Improved (APUN) Unimproved	40377 12165	0	0 0
	TOTAL (AP)	52542		0
	(AM) Orchards, Groves, etc. (AMCT) Citrus (AMOR) Ornamentals	798 305	0	0
	TOTAL (AM)	1103		0

	(AF) Confined Feeding Operations (AFFF) Fish Farms	37	0	0
	(AFHT) Horse Training & Stables (AFPY) Poultry	28 6	0 0	0
	TOTAL (AF)	71		0
	TOTAL (A)	57536		0
(R)	Rangeland			
	(RG) Grassland	2665	0	0
	TOTAL (RG)	2665		0
	(RS) Scrub & Brushland	9291	0	0
	TOTAL (RS)	9291		0
	TOTAL (R)	11956		0
(F)	Forested Upland			
	(FE) <u>Coniferous</u> (FEPF) Pine Flatwoods (FESP) Sand Pine Scrub	24277 42	0 0	0
	TOTAL (FE)	24319		0
	(FO) Non-Coniferous (FOAP) Australian Pines (FOBP) Brazilian Peppers (FOPA) Palms	29 119 197	0 0 0	0 0 0
	TOTAL (FO)	347		0
	(FM) Mixed Forested (FMCO) Cabbage Palms/Oaks (FMPO) Pine/Oak (FMDF) Old Fields Forested (FMPC) Pine/Cabbage Palm	3 1194 2471 4622 1873	0 0 0 0	0 0 0 0
	TOTAL (FM)	10163		0
	TOTAL (F)	34829		0
(W)	Wetlands			
	(WF) <u>Forested Fresh</u> (WFCY) Cypress (WFMX) Mixed Forested	12 135 694	0 0 0	0 0 0
	TOTAL (WF)	841		0

(WN) Non-Forested Fresh (WNAG) Mixed Aquatic Grass	9606 10	0	0
TOTAL (WN)	9616		0
(WS) <u>Forested Salt</u> (WSRM) Red Mangrove	1158 34	0	0
TOTAL (WS)	1192		0
(WX) <u>Mixed Forested &amp; Non-</u> Forested Fresh			
(WXPP) Pine & Wet Prairies (WXCP) Cypress Domes &	5705	0	0
Wet Prairies (WXHM) Hardwood & Marsh	9 <u>858</u>	0 0	0 0
TOTAL (WX)	6572		0
TOTAL (W)	18221		0
(H) <u>Water</u>			
(HC) Rivers, Streams, Canals	847	100	847
TOTAL (HC)	847		847
(HO) Open Fresh Water	_747	100	747
TOTAL (HO)	747		747
(HE) <u>Bays &amp; Estuaries</u>	15785	100	15785
TOTAL (HE)	15785		15785
TOTAL (H)	17379		17379
(B) Barren Land			
(BB) <u>Beaches</u>	_73	0	0
TOTAL (BB)	73		0
(BP) <u>Extractives</u>	323	0	0
TOTAL (BP)	323		0
(BS) <u>Spoil Areas</u>	113	0	0
TOTAL (BS)	113		0
TOTAL (B)	509		0
TOTAL AREA TOTAL IMPERVIOUS AREA TOTAL % OF IMPERVIOUS AREA	217,033 35,098 16%		

<u>West Caloosahatchee Basin</u> - Lower West Coast Planning Area. Preliminary 1977 Existing Land Use and Land Cover Inventory.

Clas	sification	Area (in acres)	Percent Impervious	Impervious Area (in acres)
(U)	Urban & Built-Up Land			
	(UR) Residential (URSL) Low Density (URSM) Med. Density	4353 48	20 50	871 
	TOTAL (UR)	4401		895
	(UC) Commercial & Service (UCSC) Shopping Center (UCSS) Sales & Services	6 <u>37</u> 43	95 85	6 _31 37
	TOTAL (UC)	43		37
	(US) Institutional (USED) Educational (USGF) Governmental	33 4	26 81	9 3
	TOTAL (US)	37		12
	(UT) <u>Transportation</u> (UTAG) Small grass airport	_30	0	_0
	TOTAL (UT)	30		0
	(UO) Open & Others (UOPK) Parks (UOUN) Open & Undeveloped (UOUD) Under development	19 416 14047	5 5 5	1 21 <u>702</u>
	TOTAL (UO)	14482		724
	TOTAL (U)	18993		1668
(A)	Agriculture			
	(AC) Cropland (ACTC) Truck Crops	2315	0	0
	TOTAL (AC)	2315		0
	(AP) <u>Pasture</u> (APIM) Improved Pasture (APUN) Unimproved Pasture	141242 10266	0 0	0
	TOTAL (AP)	151508		- 0
	(AM) Orchards, Groves, etc. (AMCT) Citrus (AMOR) Ornamentals	28860 	0 5	0 13
	TOTAL (AM)	29119		13
		-62-		

	(AF) Confined Feeding Operations (AFFF) Fish Farms	10	0	0
	TOTAL (AF)	10		0
	TOTAL (A)	182952		13
(R)	Rangeland			
	(RG) Grassland	3288	0	_0
	TOTAL (RG)	3288		0
	(RS) Scrub & Brushland	9614	0	_0
	TOTAL (RS)	9614		0
	TOTAL (R)	12902		0
(F)	Forested Uplands			
	(FE) <u>Coniferous</u> (FEPF) Pine Flatwoods (FECF) Commercial Forest	33257 1199	0 0	0
	TOTAL (FE)	34456		0
	(FO) Non-Coniferous (FOPA) Palms (FDOK) Oak (FOCF) Commercial Forest	618 2519 <u>802</u>	0 0 0	0 0 0
	TOTAL (FO)	3939		0
	(FM) Mixed Forested (FMCO) Cabbage Palms/Oaks (FMPO) Pine/Oak (FMOF) Old Fields (FMPC) Pine/Cabbage Palm  TOTAL (FM)	6037 1109 964 18393 26503	0 0 0 0	0 0 0 0
	TOTAL (F)	64898		0
(W)	Wetlands			
	(WF) <u>Forested Fresh</u> (WFCY) Cypress (WFMX) Mixed Forested	5 9667 1947	0 0 0	0 0
	TOTAL (WF)	11619		0
	(WN) Non-Forested Fresh (WNSG) Sawgrass	13853 1798	0 0	0
	TOTAL (WN)	15651		0

	(WX) Mixed Forested	ed & Fresh			
	(WXPP) Pine &	Wet Prairie	8029	0	_0
		TOTAL (WX)	8029		0
		TOTAL (W)	35299		0
(H)	Water				
	(HC) <u>Rivers</u> , Strea	ms & Canals	1537	100	<u>1537</u>
		TOTAL (HC)	1537		1537
	(HO) Open Fresh Wa	ter	35	100	<u>35</u>
		TOTAL (HO)	35		35
		TOTAL (H)	1572		1572
(B)	Barren Land				
	(BP) Extractive		<u>851</u>	0	_0
		TOTAL (BP)	851		0
	(BS) <u>Spoil Areas</u>		18	0	_0
		TOTAL (BS)	18		0
	(BL) <u>Levees</u>		<u>768</u>	0	_0
		TOTAL (BL)	<b>76</b> 8		0
		TOTAL (B)	1637		0
TOTAL	AREA		318,253	Acres	
TOTAL	IMPERVIOUS AREA		3,253	Acres	
TOTAL	% OF IMPERVIOUS A	REA	1%		

East Caloosahatchee Basin - Lower West Coast Planning Area. Preliminary
1977 Existing Land Use and Land Cover Inventory.

Area Percent Impervio

Classification	Area	Percent	Impervious
	(in acres)	Impervious	Area (in acres)
(U) Urban & Built-up Land			
(UR) Residential (URSL) Low Density (URSM) Med. Density (URMH) Mobile Homes	299	20	60
	369	50	185
	24	24	<u>6</u>
TOTAL (UR)	692		251

	(UI) <u>Industrial</u>	11	75	_8
	TOTAL (UI)	11		8
	(US) Institutional (USED) Educational (USGF) Governmental	50 16	26 81	13 <u>13</u>
	TOTAL (US)	66		26
	(UT) <u>Transportation</u> (UTAP) Airports	118	15	18
	TOTAL (UT)	118		18
	(UO) Open & Others (UOPK) Parks (UOCM) Cemeteries (UOUD) Under Development	2 136 <u>505</u>	5 5 5	0 7 25
	TOTAL (UO)	643		32
	TOTAL (U)	1530		335
(A)	Agriculture			
	(AC) <u>Cropland</u> (ACSC) Sugar Cane (ACTC) Truck Crops	4163 136	0 0	0
	TOTAL (AC)	<b>429</b> 9		0
	(AP) <u>Pasture</u> (APIM) Improved (APUN) Unimproved	105585 5297	0 0	0
	TOTAL (AP)	110882		0
	(AM) Orchards, Groves, etc. (AMCT) Citrus	848	0	0
	TOTAL (AM)	848		0
	TOTAL (A)	116029		0
(R)	Rangeland			
	(RG) <u>Grassland</u>	194	0	0
	TOTAL (RG)	194		0
	(RS) <u>Scrub &amp; Brushland</u> (RSPP) Palmetto Prairies	2525 3495	0	0
	TOTAL (RS)	6020		0
	TOTAL (R)	6214		0

(F)	Forested Uplands					
	(FE) <u>Coniferous</u> (FEPF) Pine Flatwoods	10131	0	0		
	TOTAL (FE)	10131		0		
	(FO) Non-Coniferous (FOPA) Palms (FDOK) Oak (FOCF) Commercial Forest	816 378 585	0 0 0	0 0 0		
	TOTAL (FO)	1779		0		
	(FM) <u>Mixed Forested</u> (FMCO) Cabbage Palms/Oaks (FMPC) Pine/Cabbage Palm	960 1208	0 0	0		
	TOTAL (FM)	2168		0		
	TOTAL (F)	14078		0		
(W)	Wetlands					
	(WF) <u>Forested Fresh</u> (WFCY) Cypress (WFMX) Mixed Forested	1055 658	0 0	0		
	TOTAL (WF)	1713		0		
	(WN) Non-forested Fresh	19856	0	0		
	TOTAL (WN)	19856		0		
	(WX) <u>Mixed Forested &amp;</u> <u>Non-Forested Fresh</u> (WXPP) Pine & Wet Prairie (WXHM) Hardwood & Marsh	54867 15	0 0	0		
	TOTAL (WX)	54882		0		
	TOTAL (W)	76451		0		
(H)	Water					
	(HC) Rivers, Streams & Canals	741	100	741		
	TOTAL (HC)	741		741		
	(HO) Open Fresh Water	436	100	436		
	TOTAL (HO)	436		436		
	TOTAL (H)	1177		1177		

(B)	Barren Land				
	(BP) <u>Extractive</u>		164	0	0
		TOTAL (BP)	164		0
	(BL) <u>Levees</u>		490	0	0
		TOTAL (BL)	490		0
		TOTAL (B)	654		0
TOTA	L AREA		216,133		
TOTA	L IMPERVIOUS AREA		1,512		
TOTA	L % OF IMPERVIOUS A	REA	1%		

<u>Estero Bay Basin</u> - Lower West Coast Planning Area. Preliminary 1977 Existing Land Use and Land Cover Inventory

Classification	Area (in acres)	Percent Impervious	Impervious Area (in acres)
(U) Urban & Built-Up Land			
(UR) Residential (URSL) Low Density (URSM) Med. Density (URSH) High Density (URMF) Multi-Family (URMH) Mobile Homes	5949 2451 31 390 953	20 50 65 80 24	1190 1226 20 312 229
(UC) Commercial & Services (UCSC) Shopping Center (UCSS) Sales & Service (UCCE) Cultural & Entertainment (UCHM) Hotel-Motel	17 180	95 85 85 85	16 153 35 16
TOTAL (UC)  (UI) <u>Industrial</u> (UIJK) Junkyard	257 738 8	75 2	220 554 0
TOTAL (UI)	746		554
(US) <u>Institutional</u> (USED) Educational	36	26	9
TOTAL (US)	36		9

	(UT)	Transpo (UTAP)	ortation Airport	3	15	1
		(UTEP)	Electrical Power Facilities	16	50	8
		(UTTL)	Major Transmission Lines	155	0	0
		(UTHW)	Major Highways &	3	20	1
		(UTSP)	Rights-of-way Sewage Treatment			1
		(UTRS)	Plants Broadcasting or	5	15	1
			Receiving Towers	61	25	15
			TOTAL (UT)	243		26
	(00)		nd Others			
		(UORC)	Recreational Facility	160	5	8
		(UOGC)	Golf Courses	584	5 5 5 5 5 5	29
		(UOPK)	Parks	32	5	2
		(UOCM)	Cemeteries	14	5_	1
		(NONN)	Open & Undeveloped	1740	5	87 295
		(UOUD)	Under Development	5702	5	285
			TOTAL (UO)	8232		412
			TOTAL (U)	19288		4198
(A)	Agriculture					
	(AC)	Cropla		6222	0	0
		(ACTC)	•	6322	0	0_
			TOTAL (AC)	6322		0
	(AP)	Pastur		23951	0	0
		(APIM) (APUN)	Improved Pasture Unimproved Pasture	2523	0	0
		(/ 0/	TOTAL (AP)	26474	v	0
	(000)	0		20171		O
	(AM)	(AMCT)	ds, Groves, Etc. Citrus	204	0	0
		(AMOR)	Ornamentals	17	0 5	1
			TOTAL (AM)	221		1
	(AF)	Confin	ed Feeding Operations			
		(AFDF)	Dairy Farms	5	0	0
		(AFHT)	Horse Training & Stables	4	0	0
			TOTAL (AF)	9		0
			TOTAL (A)	33026		1
			TOTAL (A)	55020		1

(R)	Rangeland				
	(RG)	Grassland	3693	0	0
		TOTAL (RG)	3693		0
	(RS)	Scrub & Brushland (RSPP) Palmetto Prairies	9311 157	0 0	0
		TOTAL (RS)	9468		0
		TOTAL (R)	13161		0
(F)	Fores	ted Uplands			
	(FE)	Coniferous (FEPF) Pine Flatwoods	<u>47785</u>	0	0
		TOTAL (FE)	47785		0
	(F0)	Non-Coniferous (FOAP) Australian Pines (FOBP) Brazilian Peppers (FOPA) Palms	263 38 202	0 0 0	0 0 0
		TOTAL (FO)	503		0
	(FM)	Mixed Forested (FMOF) Old Field Forested (FMCD) Coastal Dunes (FMPC) Pine/Cabbage Palm	13 3818 13 59	0 0 0 0	0 0 0 0
		TOTAL (FM)	3903		0
		(TOTAL (F)	52191		0
(W)	Wetla	ands			
	(WF)	Forested Fresh (WFCY) Cypress (WFME) Melaleuca (WFMX) Mixed Forested	137 20819 4892 14927	0 0 0 0	0 0 0 0
		TOTAL (WF)	40775	0	0
	(WN)	Non-Forested Fresh	7700	0	0
		TOTAL (WN)	7700		0
	(WS)	Forested Salt (WSRM) Red Mangrove	12380 533	0 0	0
		TOTAL (WS)	12913		0
	(WM)	Non-Forested Salt	321	0	0
		TOTAL (WM)	321		0

(WX) Mixed Forested & Non- Forested Fresh (WXCP) Cypress Domes & Wet Prairies (WXHM) Hardwood & Marsh TOTAL (WX)	6483 <u>9</u> 6492	0 0	0 0
TOTAL (W)	68201		0
(H) <u>Water</u>			
(HO) <u>Open Fresh Water</u>	907	100	907
TOTAL (HO)	907		907
TOTAL (H)	907		907
(B) Barren Land	61	0	0
(BB) <u>Beaches</u>	611	0	0
TOTAL (BB)	672		0
(BP) <u>Extractives</u>	504	0	0
TOTAL (BP)	504		0
TOTAL (B)	1176		0
TOTAL AREA	187,950		
TOTAL IMPERVIOUS AREA	5,106		
TOTAL % IMPERVIOUS AREA	3 %		

<u>West Collier Basin</u> - Lower West Coast Planning Area. Preliminary 1977 Existing Land Use and Land Cover Inventory.

Classification	Area (in acres)	Percent Impervious	Impervious Area (in acres)
(U) Urban & Built-Up Land			
(UR) Residential (URSL) Low Density (URSM) Med. Density (URSH) High Density (URMF) Multi-Family (URMH) Mobile Homes	6503 6722 63 940 1159	20 50 65 80 24	1301 3361 41 752 278
TOTAL (UR)	15387		5733

	(UC) Commercial & Services (UCSC) Shopping Center (UCSS) Sales & Services (UCCE) Cultural & Entertainmen (UCMC) Marine Commercial (Marinas)	232 766 103	95 85 85 90	220 651 88 54
	(UCHM) Hotels & Motels	25	85	
	TOTAL (UC)	1186		1034
	(UI) Industrial (UIJK) Junkyard	731 <u>32</u>	75 2	548 1
	TOTAL (UI)	763		549
	(US) Institutional (USED) Educational (USMD) Medical (USRL) Religious (USCF) Correctional (USGF) Governmental	418 24 44 19 64	26 19 72 81 81	109 5 32 15 52
	TOTAL (US)	<b>56</b> 9		213
	(UT) Transportation (UTAP) Airports (UTAG) Small Grass Airports (UTEP) Electrical Power	784 72	15 0	118 0
	Facilities	10	50	5
	(UTHW) Major Highways & Rights of-way	903	20	181
	(UTWS) Water Supply Plants (UTSP) Sewage Treatment Plants (UTSW) Solid Waste Disposal	1 66 16	15 15 0	0 10 <u>0</u>
	TOTAL (UT)	1852		314
	(UO) Open & Others (UORC) Recreational Facility (UOGC) Golf Courses (UOPK) Parks (UOCM) Cemeteries (UOUN) Open & Undeveloped (UOUD) Under Development	99 3151 104 47 2758 111117	5 5 5 5 5 5 5	5 158 5 2 138 5556
	TOTAL (UO)	117276		5864
	TOTAL (U)	137033		13707
(A)	Agriculture			
	(AC) <u>Cropland</u> (ACTC) Truck Crops	15806	0	0
	TOTAL (AC)	15806		0

(AP) <u>Pasture</u> (APIM) Improved	71529	0	0
(APUN) Unimproved	11349	0	0
TOTAL (AP)	82878		0
(AM) Orchards, Groves, Etc. (AMCT) Citrus (AMOR) Ornamentals	5226 	0 5	0 <u>37</u>
TOTAL (AM)	5960		37
(AF) <u>Confined Feeding Operations</u> (AFFF) Fish Farms	9	0	0
TOTAL (AF)	9		0
TOTAL (A)	104653		37
(R) <u>Rangeland</u>			
(RG) Grassland	1185	0	0
TOTAL (RG)	1185		0
(RS) <u>Scrub &amp; Brushland</u> (RSPP) Palmetto Prairies	6041 1713	0 0	0
TOTAL (RS)	7754		0
TOTAL (RS)	7754 8939		0
TOTAL (R)		0	
(F) Forested Uplands (FE) Coniferous	8939	0	0
(F) Forested Uplands  (FE) Coniferous  (FEPF) Pine Flatwoods	8939 <u>53445</u>	0 0 0 0 0 0	0
(F) Forested Uplands  (FE) Coniferous (FEPF) Pine Flatwoods  TOTAL (FE)  (FO) Non-Coniferous (FOAP) Australian Pines (FOBP) Brazilian Peppers (FOPA) Palms	53445 53445 53445 157 871 2813	0 0 0	0 0 0
(F) Forested Uplands  (FE) Coniferous (FEPF) Pine Flatwoods  TOTAL (FE)  (FO) Non-Coniferous (FOAP) Australian Pines (FOBP) Brazilian Peppers (FOPA) Palms (FOOK) Oak  TOTAL (FO)  (FM) Mixed Forested (FMCO) Cabbage Palms/Oaks (FMOF) Old Fields Forested (FMCD) Coastal Dunes (FMPC) Pine/Cabbage Palm	53445 53445 53445 157 871 2813 36 3877 315 5768 1050 20541	0 0 0	
(F) Forested Uplands  (FE) Coniferous (FEPF) Pine Flatwoods  TOTAL (FE)  (FO) Non-Coniferous (FOAP) Australian Pines (FOBP) Brazilian Peppers (FOPA) Palms (FOOK) Oak  TOTAL (FO)  (FM) Mixed Forested (FMCO) Cabbage Palms/Oaks (FMOF) Old Fields Forested (FMCD) Coastal Dunes	53445 53445 53445 157 871 2813 36 3877 315 5768 1050	0 0 0 0	

## (W) Wetlands

(WF)	Forested Fresh (WFCY) Cypress (WFME) Melaleuca (WFMX) Mixed Forested	91935 347 8341	0 0 0	0 0 0
	TOTAL (WF)	100623		0
(WN)	Non-Forested Fresh (WNAG) Mixed Aquatic Grass	42944 1128	0 0	0
	TOTAL (WN)	44072		0
(WS)	Forested Salt	75689	0	0
	TOTAL (WS)	75689		0
(WM)	Non-Forested Salt	14914	0	0
	TOTAL (WM)	14914		0
	Mixed Forested & Non- Forested Fresh (WXPP) Pine & Wet Prairies	3330	0	0
	(WXCP) Cypress Domes & Wet Prairies	84300	0	0
	(WXHM) Hardwood & Marsh	94	0	0
	TOTAL (WX)	87724		0
	TOTAL (W)	323022		0
(H) Water				
(HC) <u>I</u>	Rivers, Streams, Canals	747	100	<u>747</u>
	TOTAL (HC)	747		747
(HO) <u>(</u>	Open Fresh Water	2375	100	2375
	TOTAL (HO)	2375		2375
(HE)	Bays & Estuaries	41120	100	41120
	TOTAL (HE)	41120		41120
	TOTAL (H)	44242		44242
(B) Barre	n Land			
(BB)	Beaches	626	0	0
	TOTAL (BB)	626		0

(BP) Extractive		669	0	0
	TOTAL (BP)	669		0
(BS) <u>Spoil Areas</u>		_26	0	0
	TOTAL (BS)	26		0
	TOTAL (B)	1321		0
TOTAL AREA		704206 Acres		
TOTAL IMPERVIOUS AREA		57986 Acres		
TOTAL % OF IMPERVIOUS A	AREA	1%		

<u>East Collier Basin</u> - Lower West Coast Planning Area. Preliminary 1977
Existing Land Use and Land Cover Inventory.

Classification		Area (in acres)	Percent Impervious	Impervious Area (in acres)	
(U)	Urban	& Built-Up Land			
	(UR)	Residential (URSL) Low Density (URSM) Med. Density (URMH) Mobile Homes	158 56 96	20 50 24	32 28 23
		TOTAL (UR)	310		83
	(UC)	Commercial & Services (UCSS) Sales & Services (UCMC) Marine Commercial	40	85	34
		(Marinas)	_22	90	
		TOTAL (UC)	62		54
	(UI)	Industrial (UIJK) Junkyard	96 4	75 2	72 0
		TOTAL (UI)	100		72
	(UT)	Transportation (UTAP) Airports (UTAG) Small Grass Airport (UTHW) Major Highways & Rights-of-way	1167 149 677	15 0 20	175 0 135
		TOTAL (UT)	1993	20	310
		101/12 (01)			010

	(UO)	Open & Others (UOUN) Open & Undeveloped (UOUD) Under Development	273 514	5 5	14 26
		TOTAL (UO)	787		40
		TOTAL (U)	3252		559
(A)	Agric	ulture			
	(AC)	Cropland (ACTC) Truck Crops	1381	0	0
		TOTAL (AC)	1381		0
	(AP)	Pasture (APIM) Improved (APUN) Unimproved	52251 17744	0 0	0
		TOTAL (AP)	69995		0
	(AM)	Orchards, Groves, Etc. (AMCT) Citrus	1883	0	0
		TOTAL (AM)	1883		0
	(AF)	Confined Feeding Operations (AFDF) Dairy Farms	_17	0	0
		TOTAL (AF)	17		0
		TOTAL (A)	73276		0
(R)	Range	eland			
	(RG)	Grassland	_81	0	0
		TOTAL (RG)	81		0
	(RS)	Scrub & Brushland (RSPP) Palmetto Prairies	17 1740	0	0
		TOTAL (RS)	1757		0
		TOTAL (R)	1838		0
(F)	Fores	sted Uplands			
	(FE)	Coniferous (FEPF) Pine Flatwoods	5264	0	0
		TOTAL (FE)	5264		0
	(F0)	Non-Coniferous (FOBP) Brazilian Peppers (FOPA) Palms	2248 2194	0 0	0
		TOTAL (FO)	4442		0

	(FM)	Mixed Forested (FMCO) Cabbage Palm/Oaks	255	0	0
		(FMTH) Tropical Hammocks (FMOF) Old Fields Forested	716 1203	0 0	0
		(FMCD) Coastal Dunes (FMPC) Pine/Cabbage Palm	11 19318	0 0	0
		TOTAL (FM)	21503		0
		TOTAL (F)	31209		0
(W)	Wetla	nds			
	(WF)	Forested Fresh (WFCY) Cypress (WFWL) Willow (WFMX) Mixed	67437 1805 18307	0 0 0	0 0 0
		TOTAL (WF)	8 <b>7</b> 549		0
	(WN)	Non-Forested Fresh (WNAG) Mixed Aquatic Grass (WNWL) Sloughs	104186 3482 3173	0 0 0	0 0 0
		TOTAL (WN)	110841		0
	(WS)	Forested Salt	30535	0	0
		TOTAL (WS)	30535		0
	(WM)	Non-Forested Salt	28072	0	0
		TOTAL (WM)	28072		0
	(WX)	Mixed Forested & Non- Forested Fresh (WXPP) Pine & Wet Prairies (WXCP) Cypress Domes & Wet Prairies (WXHM) Hardwood & Marsh	68127 325084 5971	0 0 0	0 0
		TOTAL (WX)	399182		0
		TOTAL (WX)	656179		0
(H)	Water	• -			
	(HO)	Open Fresh Water	257	100	<u>257</u>
		TOTAL (HO)	257		257
	(HE)	Bays & Estuaries	2728	100	2728
		TOTAL (HE)	2728		2728
		TOTAL (H)	2985		2985

(B) Barren Land				
(BP) <u>Extractive</u>		823	0	0
	TOTAL (BP)	823		0
	TOTAL (B)	823		0
TOTAL AREA		769562 Acres		
TOTAL IMPERVIOUS AREA		3544 Acres		
TOTAL % IMPERVIOUS AREA		0%		

## <u>L28 Gap Basin</u> - Lower West Coast Planning Area, Preliminary 1977 Existing Land Use & Land Cover Inventory

Classification	Area (in acres)	Percent Impervious	Impervious Area (in acres)
(U) Urban & Built-Up Land			
(UT) <u>Transportation</u> (UTHW) Major Highways & Rights-of-way	355	20	<u>71</u>
TOTAL (UT)	355		71
TOTAL (U)	355		71
(A) <u>Agriculture</u>			
(AP) <u>Pasture</u> (APIM) Improved Pasture	461	0	_0
TOTAL (AP)	461		0
TOTAL (A)	461		0
(F) Forested Uplands			
(FE) <u>Coniferous</u> (FEPF) Pine Flatwoods	547	0	_0
TOTAL (FE)	547		0
(FM) <u>Mixed Forested</u> (FMPC) Pine/Cabbage Palm	612	0	_0
TOTAL (FM)	612		0
TOTAL (F)	1159		0

(W)	Wetlands							
	(WF)	Forested Fresh (WFCY) Cypress		18365	0	_0		
			TOTAL (WF)	18365		0		
	(WN)	Non-Forested Fr	esh	7376	0	_0		
			TOTAL (WN)	7376		0		
	(WX) Mixed Forested &  Non-Forested Fresh (WXPP) Pine & Wet Prairies (WXCP) Cypress Domes &  Wet Prairies		149 <b>6</b> 8 8 <b>62</b> 88	0 0	0			
			TOTAL (WX)	101256		0		
			TOTAL (W)	126997		0		
тот	TOTAL AREA TOTAL IMPERVIOUS AREA			128972				
тот				71				
тот	AL % 0	F IMPERVIOUS ARE	А	0%				

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