

**Collier County Land Use Summary  
1988-2012**

**BARRON RIVER CANAL**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.16	0.68	.	0.03	0.03	0.03
<b>Uplands</b>	12.90	17.34	2.04	2.11	1.08	1.08
<b>Urban and Built-up</b>	1.02	3.93	0.88	0.86	0.83	0.80
<b>Wetlands</b>	85.92	78.05	97.08	97.00	98.06	98.09

**CAMP KEAIS**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	42.52	16.77	18.64	17.25	17.46	17.79
<b>Uplands</b>	14.76	18.06	15.09	15.22	15.79	16.34
<b>Urban and Built-up</b>	0.32	0.91	0.57	0.79	2.70	2.68
<b>Wetlands</b>	42.40	64.26	65.70	66.73	64.05	63.18

**Collier County Land Use Summary  
1988-2012**

**CLAM BAY**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	11.20	.	0.96	0.98	0.98	0.98
<b>Urban and Built-up</b>	62.45	70.40	70.41	69.87	69.38	69.52
<b>Wetlands</b>	26.36	29.60	28.62	29.15	29.63	29.50

**COCOCHATCHEE (INLAND SEG)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	13.75	16.74	3.72	0.34	0.21	0.21
<b>Uplands</b>	19.38	14.38	6.01	4.04	3.38	4.53
<b>Urban and Built-up</b>	26.37	56.45	45.12	52.15	61.38	60.90
<b>Wetlands</b>	40.50	12.43	45.14	43.47	35.03	34.36

**Collier County Land Use Summary  
1988-2012**

**COCOCHATCHEE GOLF COURSE**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	.	0.45	0.51	0.52	.	.
<b>Uplands</b>	55.99	37.15	15.59	11.94	10.28	12.25
<b>Urban and Built-up</b>	30.12	46.89	49.47	57.88	71.03	69.93
<b>Wetlands</b>	13.89	15.50	34.43	29.66	18.68	17.83

**COCOCHATCHEE RIVER**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	14.65	2.10	2.99	2.19	2.40	2.40
<b>Urban and Built-up</b>	30.85	28.88	30.25	31.11	29.35	29.44
<b>Wetlands</b>	54.50	69.02	66.76	66.70	68.25	68.16

**Collier County Land Use Summary  
1988-2012**

**CORKSCREW SWAMP**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	33.64	43.37	35.94	33.85	35.18	34.18
<b>Uplands</b>	18.66	3.86	3.83	3.61	4.01	5.51
<b>Urban and Built-up</b>	2.47	2.03	0.50	0.42	0.33	0.29
<b>Wetlands</b>	45.24	50.74	59.73	62.12	60.48	60.02

**COW SLOUGH**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	44.89	56.60	60.14	59.74	57.52	57.62
<b>Uplands</b>	37.92	11.23	7.10	6.76	12.80	14.45
<b>Urban and Built-up</b>	8.24	10.71	3.79	3.49	4.44	4.42
<b>Wetlands</b>	8.95	21.47	28.97	30.00	25.24	23.51

**Collier County Land Use Summary  
1988-2012**

**DRAINAGE TO CORKSCREW S**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	57.84	75.95	68.50	66.23	66.92	65.65
<b>Uplands</b>	16.98	7.35	9.87	9.71	8.50	9.27
<b>Urban and Built-up</b>	2.05	2.63	1.05	0.46	0.24	0.20
<b>Wetlands</b>	23.13	14.08	20.58	23.60	24.35	24.88

**FAKA UNION (NORTH SEGME**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	9.58	58.19	1.35	2.81	2.71	4.59
<b>Uplands</b>	30.87	13.87	9.18	30.30	27.34	24.75
<b>Urban and Built-up</b>	30.64	19.09	52.90	26.31	14.29	14.19
<b>Wetlands</b>	28.91	8.85	36.58	40.58	55.65	56.48

**Collier County Land Use Summary  
1988-2012**

**FAKA UNION (SOUTH SEGME**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.01	0.64	0.06	.	.	0.03
<b>Uplands</b>	0.73	9.99	3.95	4.64	1.91	2.19
<b>Urban and Built-up</b>	21.74	1.83	0.66	0.82	0.78	0.95
<b>Wetlands</b>	77.52	87.55	95.34	94.55	97.31	96.82

**FAKAHATCHEE STRAND**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.90	1.27	0.11	0.12	0.18	0.18
<b>Uplands</b>	4.76	2.27	1.69	1.74	1.67	1.58
<b>Urban and Built-up</b>	0.68	0.39	0.31	0.32	0.34	0.36
<b>Wetlands</b>	93.66	96.06	97.89	97.82	97.82	97.88

**Collier County Land Use Summary  
1988-2012**

**GORDON RIVER (MARINE SE)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	1.27	.	.	.	.	.
<b>Uplands</b>	14.26	19.22	14.60	14.17	13.99	13.67
<b>Urban and Built-up</b>	68.19	57.74	66.04	66.38	66.74	67.05
<b>Wetlands</b>	16.28	23.04	19.36	19.44	19.27	19.27

**GORDON RIVER EXTENSION**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	1.60	1.67	.	.	.	.
<b>Uplands</b>	22.19	10.15	10.56	3.93	2.39	1.86
<b>Urban and Built-up</b>	74.86	81.94	81.55	89.92	91.91	92.39
<b>Wetlands</b>	1.35	6.23	7.89	6.16	5.69	5.75

**Collier County Land Use Summary  
1988-2012**

**HALDEMAN CREEK (LOWER)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.19	.	.	.	.	.
<b>Uplands</b>	23.79	6.19	4.49	3.88	3.49	2.88
<b>Urban and Built-up</b>	69.58	83.62	84.20	86.23	87.58	88.31
<b>Wetlands</b>	6.45	10.19	11.30	9.89	8.93	8.81

**HALDEMAN CREEK (UPPER)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.19	.	.	.	.	.
<b>Uplands</b>	7.98	0.23	.	.	.	.
<b>Urban and Built-up</b>	91.83	99.77	97.86	97.88	97.85	97.87
<b>Wetlands</b>	.	.	2.14	2.12	2.15	2.13



**Collier County Land Use Summary  
1988-2012**

**IMMOKALEE BASIN**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	46.97	33.34	32.40	32.32	34.94	39.51
<b>Uplands</b>	25.70	4.25	7.38	6.54	11.61	10.78
<b>Urban and Built-up</b>	21.28	38.72	30.70	30.99	33.49	31.87
<b>Wetlands</b>	6.05	23.70	29.52	30.15	19.97	17.83

**IMPERIAL RIVER**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	33.71	29.46	21.88	22.60	24.05	18.97
<b>Uplands</b>	11.82	16.17	13.24	12.05	11.46	14.29
<b>Urban and Built-up</b>	6.22	10.23	9.42	10.28	11.91	12.31
<b>Wetlands</b>	48.26	44.14	55.47	55.07	52.59	54.42

**Collier County Land Use Summary  
1988-2012**

**IMPERIAL RIVER (MARINE)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	2.92	0.16	.	.	0.21	0.21
<b>Uplands</b>	22.49	14.58	5.54	3.25	3.41	3.37
<b>Urban and Built-up</b>	62.09	78.16	81.01	86.31	87.13	88.31
<b>Wetlands</b>	12.51	7.11	13.44	10.44	9.26	8.11

**L-28 TIEBACK**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.12	3.30	1.08	1.08	0.11	.
<b>Uplands</b>	0.74	12.04	11.38	11.40	17.43	36.71
<b>Urban and Built-up</b>	0.97	0.77	0.77	0.77	0.68	.
<b>Wetlands</b>	98.16	83.89	86.77	86.75	81.79	63.29

**Collier County Land Use Summary  
1988-2012**

**LAKE AVALON**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	100.00	7.14	.	.	.	.
<b>Urban and Built-up</b>	.	.	46.09	98.33	98.33	98.33
<b>Wetlands</b>	.	92.86	53.91	1.67	1.67	1.67

**LAKE TRAFFORD**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	35.01	.	.	.	.	.
<b>Urban and Built-up</b>	21.99	1.14	.	.	.	.
<b>Wetlands</b>	43.00	98.86	100.00	100.00	100.00	100.00

**Collier County Land Use Summary  
1988-2012**

**MARCO ISLAND**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	0.07	.	.	.	.	.
<b>Uplands</b>	2.16	0.46	0.70	0.85	0.59	0.60
<b>Urban and Built-up</b>	91.54	89.96	92.01	92.01	92.24	92.33
<b>Wetlands</b>	6.23	9.58	7.28	7.14	7.17	7.07

**MARCO ISLAND (SOUTH SEG)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	2.79	0.47	1.60	1.61	1.82	1.83
<b>Urban and Built-up</b>	3.84	2.82	4.14	3.73	2.69	2.14
<b>Wetlands</b>	93.37	96.71	94.26	94.66	95.49	96.03

**MOORINGS BAY SYSTEM**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	0.66	.	.	.	.	.
<b>Urban and Built-up</b>	99.34	100.00	100.00	100.00	100.00	100.00

**Collier County Land Use Summary  
1988-2012**

**NAPLES BAY (COASTAL SEG)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	6.14	0.79	0.61	0.63	0.17	0.17
<b>Urban and Built-up</b>	86.61	88.92	90.13	89.93	90.81	90.82
<b>Wetlands</b>	7.25	10.29	9.26	9.45	9.02	9.02

**NORTH GOLDEN GATE**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	14.01	17.93	6.16	5.68	6.23	5.34
<b>Uplands</b>	24.87	19.37	8.45	7.44	6.82	7.29
<b>Urban and Built-up</b>	54.63	57.53	56.91	61.80	63.15	62.92
<b>Wetlands</b>	6.49	5.17	28.48	25.08	23.79	24.46

**Collier County Land Use Summary  
1988-2012**

**OAK CREEK**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	17.22	16.55	7.08	0.34	.	.
<b>Uplands</b>	34.25	34.34	4.07	1.25	2.27	2.13
<b>Urban and Built-up</b>	20.88	34.41	30.39	72.03	75.04	75.91
<b>Wetlands</b>	27.65	14.69	58.47	26.38	22.70	21.96

**OKALOACOCHEE SLOUGH**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	45.83	41.80	43.13	43.08	43.93	43.32
<b>Uplands</b>	3.79	15.09	9.11	9.12	9.18	9.46
<b>Urban and Built-up</b>	0.56	0.40	0.27	0.26	0.29	0.31
<b>Wetlands</b>	49.81	42.71	47.49	47.54	46.60	46.91

**Collier County Land Use Summary  
1988-2012**

**OYSTER BAY**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Wetlands</b>	100.00	100.00	100.00	100.00	100.00	100.00

**ROCK CREEK**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Uplands</b>	19.49	11.63	12.61	7.49	5.90	4.36
<b>Urban and Built-up</b>	78.27	85.98	83.70	88.18	90.23	91.75
<b>Wetlands</b>	2.24	2.39	3.69	4.33	3.87	3.89

**ROOKERY BAY (COASTAL SE)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	4.83	1.28	0.12	0.04	0.56	0.56
<b>Uplands</b>	10.09	6.06	6.98	4.83	4.49	4.67
<b>Urban and Built-up</b>	6.39	4.92	7.05	9.06	8.83	9.38
<b>Wetlands</b>	78.69	87.74	85.84	86.07	86.12	85.39

**Collier County Land Use Summary  
1988-2012**

**ROOKERY BAY (INLAND EAS)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	16.95	15.53	1.71	1.77	2.17	2.25
<b>Uplands</b>	34.98	13.09	14.77	14.48	25.59	25.67
<b>Urban and Built-up</b>	7.00	7.54	5.11	6.43	8.17	8.20
<b>Wetlands</b>	41.07	63.85	78.40	77.32	64.08	63.88

**ROOKERY BAY (INLAND WES)**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	6.39	0.81	0.10	0.11	0.12	0.12
<b>Uplands</b>	61.02	24.22	9.68	7.57	19.33	18.37
<b>Urban and Built-up</b>	26.37	72.67	44.25	51.97	59.44	61.28
<b>Wetlands</b>	6.22	2.29	45.97	40.35	21.11	20.23



**Collier County Land Use Summary  
1988-2012**

**SILVER STRAND**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	62.58	60.68	66.70	67.56	68.07	66.35
<b>Uplands</b>	9.79	11.17	6.39	5.94	5.24	6.03
<b>Urban and Built-up</b>	3.26	3.18	2.14	2.28	2.30	2.51
<b>Wetlands</b>	24.37	24.97	24.77	24.22	24.39	25.11

**TAMIAMI CANAL**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	2.95	5.41	4.40	4.01	4.74	2.80
<b>Uplands</b>	3.36	15.75	7.96	8.08	11.88	9.74
<b>Urban and Built-up</b>	0.50	0.52	0.30	0.30	0.38	0.31
<b>Wetlands</b>	93.20	78.32	87.34	87.60	83.00	87.16

**Collier County Land Use Summary  
1988-2012**

**TEN THOUSAND ISLANDS**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	.	.	.	.	0.01	.
<b>Uplands</b>	0.12	0.15	0.42	0.43	0.15	0.15
<b>Urban and Built-up</b>	1.24	0.27	0.69	0.72	0.56	0.57
<b>Wetlands</b>	98.64	99.58	98.90	98.86	99.28	99.28

**TOWNSEND CANAL**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Agriculture</b>	90.38	89.70	91.56	92.27	93.36	91.91
<b>Uplands</b>	4.82	3.37	1.96	1.23	0.87	1.46
<b>Urban and Built-up</b>	1.04	0.63	0.33	0.39	0.33	0.36
<b>Wetlands</b>	3.76	6.30	6.15	6.11	5.43	6.27

**Collier County Land Use Summary  
1988-2012**

basin\_1=BARRON RIVER CANAL

**Agriculture**

	Percent composition				
	1988	1995	2005	2008	2012
<b>Land Use</b>					
<b>Horse Farms</b>	.	.	0.03	0.03	0.03
<b>Improved Pastures</b>	0.16	0.68	.	.	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	.	0.06	0.06	.	.
<b>Cabbage Palm</b>	.	.	0.15	0.14	0.01	0.01
<b>Levees</b>	.	0.04	.	.	.	.
<b>Melaleuca</b>	.	0.07	.	.	.	.
<b>Mixed Rangeland</b>	9.37	0.05	1.44	1.44	0.78	0.77
<b>Oak - Cabbage Palm Forests</b>	.	.	.	.	0.07	0.07
<b>Pine Flatwoods</b>	.	16.43	0.29	0.30	0.11	0.11
<b>Spoil Areas</b>	.	0.75	0.10	0.10	0.09	0.09
<b>Upland Hardwood Forests</b>	.	.	.	0.06	0.02	0.02
<b>Upland forests</b>	3.53	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=BARRON RIVER CANAL

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	.	.	0.04	0.04	0.03	.
<b>Correctional</b>	0.08	0.26	0.09	0.09	0.09	.
<b>Extractive</b>	0.15	.	.	.	.	.
<b>Fixed Single Family Units</b>	0.29	0.60	0.18	0.19	0.04	0.04
<b>Institutional</b>	0.02	.	.	.	.	.
<b>Mobile Home Units</b>	.	.	0.02	.	.	.
<b>Open Land</b>	.	.	.	.	0.12	0.12
<b>Recreational</b>	.	.	.	.	.	0.09
<b>Retail Sales and Services</b>	0.02	.	.	.	.	.
<b>Roads and Highways</b>	0.29	3.08	0.55	0.55	0.56	0.56
<b>Wholesale Sales &amp; Services - Jun</b>	0.17	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=BARRON RIVER CANAL

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	20.27	6.16	18.12	18.09	20.95	20.94
<b>Cypress- Domes/Heads</b>	31.56	.	0.41	0.41	0.40	0.40
<b>Emergent Aquatic Vegetation</b>	0.00	.	0.13	0.07	0.06	0.04
<b>Freshwater Marshes - Sawgrass</b>	.	1.93	49.23	49.07	0.47	33.85
<b>Freshwater Marshes / Graminoid P</b>	26.76	10.74	6.96	7.08	54.11	20.92
<b>Mixed Wetland Hardwoods</b>	.	.	13.63	13.71	13.52	12.89
<b>Wet Melaleuca</b>	.	.	.	0.02	0.02	0.02
<b>Wet Pinelands Hydric Pine</b>	.	.	8.03	7.97	6.50	6.50
<b>Wetland Forested Mixed</b>	7.34	59.22	0.59	0.59	2.02	2.53

**Collier County Land Use Summary  
1988-2012**

basin\_1=CAMP KEAIS

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	4.20	6.80	5.32	4.10	3.64	3.12
<b>Field Crops</b>	.	.	0.51	1.55	2.04	2.59
<b>Horse Farms</b>	.	0.04	.	.	.	.
<b>Improved Pastures</b>	4.22	8.35	8.85	8.72	10.34	11.37
<b>Mixed Crops</b>	33.78	.	.	.	.	.
<b>Ornamentals</b>	0.18	.	.	.	.	.
<b>Unimproved Pastures</b>	0.14	1.58	3.96	2.89	1.43	0.71

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	.	0.02	.	.	.	.
<b>Brazilian Pepper</b>	.	2.00	3.28	2.84	2.15	2.13
<b>Cabbage Palm</b>	0.15	0.02	0.63	0.64	0.27	0.27
<b>Coniferous Plantations</b>	.	0.04	.	.	.	.
<b>Melaleuca</b>	.	1.18	0.51	0.52	.	.
<b>Mixed Rangeland</b>	0.88	0.08	.	0.14	0.25	0.49
<b>Oak - Cabbage Palm Forests</b>	0.14	.	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=CAMP KEAIS

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Pine Flatwoods</b>	6.67	14.72	10.61	11.02	12.99	12.81
<b>Spoil Areas</b>	.	.	.	.	.	0.02
<b>Upland Hardwood Forests</b>	.	.	0.07	0.07	0.13	0.62
<b>Upland forests</b>	6.92	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.08	.	.	.	.	.
<b>Commercial and Services</b>	.	.	.	0.02	0.02	0.02
<b>Educational Facilities</b>	.	.	.	.	0.80	0.79
<b>Fixed Single Family Units</b>	0.04	0.17	0.01	0.10	0.17	0.18
<b>Golf Course</b>	.	.	.	.	0.53	0.53
<b>Grass Airports</b>	.	.	0.02	0.02	0.02	0.02
<b>Inactive Land with Street Patter</b>	0.00	.	0.21	.	.	.
<b>Industrial</b>	0.01	.	.	.	.	.
<b>Other Light Industry</b>	.	0.44	0.06	0.01	0.02	0.02
<b>Parks and Zoos</b>	.	.	.	.	0.36	0.35

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=CAMP KEAIS

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Race Tracks	.	.	.	0.35	0.38	0.37
Roads and Highways	0.18	0.31	0.28	0.28	0.30	0.30
Sewage Treatment	.	.	.	.	0.10	0.10

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Cypress	17.93	49.39	28.23	29.02	31.66	31.36
Cypress- Domes/Heads	14.92	.	7.16	7.26	7.78	7.70
Emergent Aquatic Vegetation	.	0.26	0.12	0.69	1.00	0.18
Freshwater Marshes - Sawgrass	.	0.10	.	.	.	.
Freshwater Marshes / Graminoid P	9.37	10.44	16.73	16.58	13.34	14.09
Mangrove Swamp	.	0.32	.	.	.	.
Mixed Wetland Hardwoods	.	0.19	4.11	3.71	3.83	3.53
Saltwater Marshes / Halophytic H	.	0.11	.	.	.	.
Wet Melaleuca	.	.	0.05	0.05	0.03	0.06
Wet Pinelands Hydric Pine	.	.	8.85	8.92	4.96	4.82
Wetland Forested Mixed	0.17	3.46	0.45	0.52	1.45	1.43



**Collier County Land Use Summary  
1988-2012**

basin\_1=CLAM BAY

**Uplands**

	Percent composition				
	1988	1999	2005	2008	2012
<b>Land Use</b>					
<b>Brazilian Pepper</b>	.	0.96	0.98	0.98	0.98
<b>Melaleuca</b>	.	0.01	0.01	.	.
<b>Pine Flatwoods</b>	11.20	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	1.94	.	4.82	4.91	4.36	4.35
<b>Educational Facilities</b>	0.02	.	.	.	.	.
<b>Fixed Single Family Units</b>	16.43	45.88	37.50	36.86	36.93	37.01
<b>Golf Course</b>	8.29	13.44	11.99	12.11	12.02	12.12
<b>Inactive Land with Street Patter</b>	18.43	2.00	.	.	.	.
<b>Industrial</b>	0.17	.	.	.	.	.
<b>Institutional</b>	0.34	.	1.43	1.45	1.95	1.95
<b>Open Land</b>	.	.	0.37	.	.	.
<b>Parks and Zoos</b>	0.14	1.04	0.54	0.55	1.18	1.18
<b>Recreational</b>	0.28	.	1.09	1.11	.	.
<b>Retail Sales and Services</b>	2.25	0.14	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=CLAM BAY

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Roads and Highways</b>	.	2.98	6.45	6.57	6.60	6.59
<b>Sewage Treatment</b>	.	0.82	0.74	0.76	0.76	0.76
<b>Shopping Centers</b>	0.07	2.12	2.74	2.79	2.80	2.80
<b>Swimming Beach</b>	1.14	1.96	2.73	2.76	2.77	2.77
<b>Urban and Builtup</b>	12.37	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.59	.	.	.	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	.	1.49	0.19	0.19	.	.
<b>Emergent Aquatic Vegetation</b>	.	.	0.16	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	.	.	.	.	0.08	.
<b>Mangrove Swamp</b>	.	28.11	26.12	26.60	28.84	28.13
<b>Saltwater Marshes / Halophytic H</b>	.	.	2.15	2.36	0.71	1.36
<b>Wetland Hardwood Forests</b>	26.36	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE (INLAND SEG)

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	.	.	0.07	0.08	.	.
<b>Improved Pastures</b>	2.08	7.57	3.27	0.09	0.10	0.10
<b>Mixed Crops</b>	11.38	.	.	.	.	.
<b>Ornamentals</b>	0.11	.	0.17	0.17	0.11	0.11
<b>Sod Farms</b>	.	4.14	.	.	.	.
<b>Unimproved Pastures</b>	0.18	5.03	0.21	.	.	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	.	.	0.00	.	.	.
<b>Brazilian Pepper</b>	.	0.49	0.10	.	.	.
<b>Melaleuca</b>	.	1.43	0.53	0.29	.	.
<b>Mixed Rangeland</b>	0.48	0.40	0.07	0.06	0.08	1.11
<b>Pine Flatwoods</b>	10.50	11.28	4.95	3.56	3.15	3.21
<b>Sand Pine</b>	.	.	0.13	0.03	0.14	0.20
<b>Spoil Areas</b>	0.07	0.69	0.10	.	.	.
<b>Upland Coniferous Forests</b>	.	.	0.10	0.10	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE (INLAND SEG)

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Upland Hardwood Forests</b>	.	.	0.04	.	0.01	0.01
<b>Upland forests</b>	7.27	.	.	.	.	.
<b>Xeric Oak</b>	1.06	0.09	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cemeteries</b>	0.08	0.19	0.18	0.18	0.20	0.19
<b>Commercial and Services</b>	.	.	1.28	1.71	2.15	1.80
<b>Educational Facilities</b>	0.08	0.69	0.22	0.45	1.46	1.34
<b>Electrical Power Facilities</b>	.	.	.	0.01	0.01	0.01
<b>Extractive</b>	4.55	.	0.06	.	.	.
<b>Fixed Single Family Units</b>	14.72	34.91	22.43	26.93	29.88	30.88
<b>Golf Course</b>	2.19	11.45	13.33	15.82	18.90	18.92
<b>Inactive Land with Street Patter</b>	0.76	4.65	1.62	.	.	.
<b>Industrial</b>	0.11	.	.	.	.	.
<b>Institutional</b>	0.03	.	0.18	0.31	0.77	0.66
<b>Mobile Home Units</b>	0.47	.	0.84	0.91	0.92	0.91

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE (INLAND SEG)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Open Land</b>	1.44	.	1.68	1.18	1.55	0.32
<b>Other Heavy Industrial</b>	.	.	0.08	.	0.23	0.23
<b>Other Light Industry</b>	.	0.22	.	.	0.06	0.19
<b>Parks and Zoos</b>	.	.	0.29	0.30	0.37	0.37
<b>Recreational</b>	0.31	.	0.00	0.00	.	.
<b>Retail Sales and Services</b>	0.06	1.08	.	.	.	.
<b>Roads and Highways</b>	0.85	2.38	1.85	2.66	2.88	2.88
<b>Sewage Treatment</b>	0.06	.	0.42	0.46	0.49	0.49
<b>Shopping Centers</b>	0.17	0.53	0.62	1.18	1.46	1.66
<b>Urban and Builtup</b>	0.45	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.02	0.36	0.05	0.05	0.05	0.05

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE (INLAND SEG)

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	25.72	6.82	9.79	9.77	10.48	11.50
<b>Cypress- Domes/Heads</b>	.	.	0.54	0.54	0.66	0.66
<b>Freshwater Marshes / Graminoid P</b>	0.02	0.03	0.79	3.00	0.86	0.82
<b>Mangrove Swamp</b>	.	0.55	0.24	0.20	0.22	0.21
<b>Mixed Wetland Hardwoods</b>	.	0.53	7.14	6.96	3.25	2.34
<b>Saltwater Marshes / Halophytic H</b>	.	.	0.03	0.04	0.04	0.04
<b>Wet Melaleuca</b>	0.72	.	1.92	1.73	1.63	1.67
<b>Wet Pinelands Hydric Pine</b>	0.04	.	24.02	20.77	17.33	16.62
<b>Wetland Forested Mixed</b>	13.37	4.51	0.67	0.46	0.56	0.48
<b>Wetland Hardwood Forests</b>	0.62	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE GOLF COURSE

**Agriculture**

	Percent composition		
	1995	1999	2005
<b>Land Use</b>			
<b>Ornamentals</b>	0.45	0.51	0.52

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Melaleuca</b>	.	.	0.01	0.01	.	.
<b>Mixed Rangeland</b>	0.13	.	4.18	2.52	0.98	0.95
<b>Pine Flatwoods</b>	43.93	37.15	10.71	9.14	8.99	8.72
<b>Sand Pine</b>	.	.	0.69	0.28	0.31	2.59
<b>Upland forests</b>	0.07	.	.	.	.	.
<b>Xeric Oak</b>	11.85	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE GOLF COURSE

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	.	.	5.09	8.85	10.79	11.38
<b>Educational Facilities</b>	.	.	.	0.05	.	.
<b>Fixed Single Family Units</b>	11.55	20.93	24.00	30.25	35.50	35.04
<b>Golf Course</b>	.	17.04	13.92	12.45	13.94	13.50
<b>Inactive Land with Street Patter</b>	.	0.02	.	.	0.61	0.59
<b>Industrial</b>	0.19	.	.	.	.	.
<b>Institutional</b>	0.04	.	0.81	0.82	0.91	0.89
<b>Marinas and Fish Camps</b>	0.01	0.16	0.37	0.37	0.42	0.40
<b>Mobile Home Units</b>	0.03	.	0.20	0.20	0.22	0.21
<b>Open Land</b>	5.18	.	0.83	0.82	1.00	0.56
<b>Other Light Industry</b>	.	.	0.41	0.24	1.50	1.45
<b>Parks and Zoos</b>	.	.	0.74	0.72	0.80	0.72
<b>Retail Sales and Services</b>	1.78	3.75	.	.	.	.
<b>Roads and Highways</b>	.	4.73	2.91	2.93	3.28	3.18
<b>Shopping Centers</b>	.	.	0.19	0.19	2.06	2.00
<b>Urban and Builtup</b>	11.34	.	.	.	.	.
<b>Wholesale Sales &amp; Services - Jun</b>	.	0.26	.	.	.	.



**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE GOLF COURSE

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	2.76	4.08	5.12	4.83	5.40	5.24
<b>Cypress- Domes/Heads</b>	.	.	1.10	0.95	1.69	1.63
<b>Emergent Aquatic Vegetation</b>	.	.	0.16	0.13	0.15	0.25
<b>Freshwater Marshes / Graminoid P</b>	2.43	.	3.40	5.00	4.84	4.43
<b>Mangrove Swamp</b>	.	0.84	0.85	1.20	1.35	1.30
<b>Mixed Wetland Hardwoods</b>	.	2.30	0.67	0.68	0.32	0.31
<b>Saltwater Marshes / Halophytic H</b>	.	.	0.31	0.31	0.35	0.33
<b>Wet Melaleuca</b>	3.79	.	0.34	0.54	1.04	1.01
<b>Wet Pinelands Hydric Pine</b>	2.77	.	21.39	15.60	2.94	2.72
<b>Wetland Forested Mixed</b>	0.97	8.29	1.11	0.42	0.62	0.60
<b>Wetland Hardwood Forests</b>	1.17	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOCHATCHEE RIVER

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
Australian Pine	2.32	.	0.22	.	.	.
Cabbage Palm	.	.	2.03	2.01	2.02	2.01
Pine Flatwoods	1.29	2.10	0.61	0.15	0.16	0.16
Sand Pine	.	.	0.14	0.02	0.23	0.23
Upland forests	5.80	.	.	.	.	.
Xeric Oak	5.24	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
Cemeteries	0.07	0.06	0.02	0.02	0.02	0.02
Commercial and Services	0.72	.	4.22	4.53	1.89	1.89
Fixed Single Family Units	19.68	23.89	20.06	20.19	20.70	20.79
Golf Course	.	0.02	1.69	0.50	0.51	0.51
Inactive Land with Street Patter	1.11	0.55	.	.	0.02	0.02
Institutional	.	.	.	.	0.10	0.10
Marinas and Fish Camps	0.68	2.09	0.33	0.33	0.34	0.34
Mobile Home Units	0.14	.	0.29	0.29	0.30	0.30

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOCHATCHEE RIVER

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Open Land	0.42	.	0.76	.	.	.
Parks and Zoos	2.44	.	0.47	1.28	1.31	1.31
Recreational	0.10	.	.	.	.	.
Retail Sales and Services	0.43	0.01	.	.	.	.
Roads and Highways	.	0.18	0.56	0.56	0.58	0.58
Shopping Centers	0.08	.	.	.	.	.
Swimming Beach	0.01	2.08	1.85	3.41	3.59	3.58
Urban and Builtup	4.96	.	.	.	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Freshwater Marshes / Graminoid P	0.00	.	.	.	.	.
Mangrove Swamp	.	64.69	54.15	54.32	56.50	56.43
Mixed Wetland Hardwoods	.	3.76	0.10	0.10	0.10	0.10
Saltwater Marshes / Halophytic H	0.79	.	9.97	10.07	9.50	9.49
Wet Pinelands Hydric Pine	.	.	0.32	0.21	0.06	0.06

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=COCOHATCHEE RIVER

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Wetland Forested Mixed</b>	.	0.57	2.21	2.01	2.09	2.08
<b>Wetland Hardwood Forests</b>	53.70	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=CORKSCREW SWAMP

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Aquaculture</b>	.	0.20	0.17	0.17	0.20	0.02
<b>Citrus Groves</b>	15.90	31.92	27.37	27.65	28.66	28.86
<b>Field Crops</b>	.	0.26	0.24	0.54	0.17	.
<b>Horse Farms</b>	.	0.04	.	.	.	.
<b>Improved Pastures</b>	10.80	7.09	5.62	3.60	3.60	3.53
<b>Mixed Crops</b>	3.91	.	.	.	.	.
<b>Ornamentals</b>	0.13	0.12	0.12	0.13	0.13	0.18
<b>Sod Farms</b>	.	0.06	.	.	.	.
<b>Unimproved Pastures</b>	2.91	3.68	2.43	1.76	2.42	1.59

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.30	0.21	0.13	0.18	0.19
<b>Cabbage Palm</b>	0.81	0.15	0.45	0.38	0.40	0.40
<b>Melaleuca</b>	.	0.20	0.04	0.04	0.05	0.05
<b>Mixed Rangeland</b>	0.53	0.26	0.22	0.21	0.38	0.74
<b>Oak - Cabbage Palm Forests</b>	1.10	.	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=CORKSCREW SWAMP

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Pine Flatwoods</b>	5.85	2.18	2.83	2.76	2.91	4.04
<b>Spoil Areas</b>	.	0.77	.	.	.	.
<b>Upland Hardwood Forests</b>	.	.	0.09	0.09	0.09	0.09
<b>Upland forests</b>	10.37	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	.	0.03	.	.	.	.
<b>Commercial and Services</b>	.	.	.	.	0.02	0.02
<b>Fixed Single Family Units</b>	2.35	1.98	0.12	0.11	.	.
<b>Industrial</b>	0.06	.	.	.	.	.
<b>Institutional</b>	0.01	.	0.02	0.02	0.02	0.02
<b>Oil and Gas Storage - not Indust</b>	0.01	.	0.01	0.01	0.01	0.01
<b>Open Land</b>	.	.	.	0.01	.	.
<b>Parks and Zoos</b>	0.01	.	.	.	.	.
<b>Retail Sales and Services</b>	0.02	.	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=CORKSCREW SWAMP

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Solid Waste Disposal	.	.	0.34	0.26	0.27	0.23
Water Supply Plants - Including	.	0.02	.	.	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Cypress	18.42	17.45	19.21	19.41	19.31	20.31
Cypress- Domes/Heads	.	.	0.85	0.85	0.89	0.91
Emergent Aquatic Vegetation	.	0.00	0.76	0.05	0.02	0.01
Freshwater Marshes - Sawgrass	.	1.18	.	.	.	.
Freshwater Marshes / Graminoid P	22.03	18.28	26.30	29.48	28.68	28.65
Mixed Wetland Hardwoods	.	0.25	7.58	7.32	6.09	4.59
Wet Melaleuca	.	.	.	.	.	0.04
Wet Pinelands Hydric Pine	2.26	.	4.87	4.85	5.20	5.06
Wetland Forested Mixed	2.52	13.57	0.16	0.16	0.30	0.47

**Collier County Land Use Summary  
1988-2012**

basin\_1=COW SLOUGH

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Aquaculture</b>	.	0.08	.	.	.	.
<b>Citrus Groves</b>	17.40	35.89	30.89	30.45	29.98	30.23
<b>Field Crops</b>	.	.	.	0.57	0.46	.
<b>Improved Pastures</b>	24.55	18.02	25.25	21.50	21.46	22.42
<b>Mixed Crops</b>	.	.	1.66	1.68	0.92	0.92
<b>Ornamentals</b>	0.10	0.12	0.30	0.31	0.33	0.33
<b>Unimproved Pastures</b>	2.85	2.49	2.04	5.23	4.37	3.71

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.49	0.21	0.11	0.11	.
<b>Cabbage Palm</b>	6.09	.	2.95	3.10	3.23	3.26
<b>Live Oak</b>	0.31	.	.	.	.	.
<b>Mixed Rangeland</b>	0.33	.	.	.	4.80	4.70
<b>Oak - Cabbage Palm Forests</b>	0.61	.	.	.	.	.
<b>Pine Flatwoods</b>	9.03	10.37	3.80	3.40	3.86	5.63
<b>Spoil Areas</b>	.	0.36	.	.	.	.

(Continued)



**Collier County Land Use Summary  
1988-2012**

basin\_1=COW SLOUGH

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Upland Hardwood Forests</b>	.	.	0.14	0.15	0.80	0.86
<b>Upland forests</b>	21.55	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cemeteries</b>	.	.	0.23	0.24	0.26	0.26
<b>Commercial and Services</b>	.	.	0.02	0.01	0.01	0.01
<b>Educational Facilities</b>	0.14	0.19	0.33	0.34	0.59	0.60
<b>Extractive</b>	0.22	.	.	.	.	.
<b>Fixed Single Family Units</b>	5.81	10.36	2.18	1.80	2.64	2.67
<b>Inactive Land with Street Patter</b>	.	.	.	.	.	0.06
<b>Institutional</b>	.	.	0.12	0.12	0.14	0.20
<b>Marinas and Fish Camps</b>	0.06	.	0.06	0.06	0.07	0.07
<b>Mobile Home Units</b>	1.80	.	0.60	0.64	0.31	0.31
<b>Open Land</b>	0.22	.	0.17	0.18	0.33	0.15
<b>Parks and Zoos</b>	.	0.15	0.09	0.09	0.10	0.10

**Collier County Land Use Summary  
1988-2012**

basin\_1=COW SLOUGH

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	0.42	5.06	3.85	3.98	1.65	1.66
<b>Cypress- Domes/Heads</b>	.	.	0.01	0.01	0.01	.
<b>Emergent Aquatic Vegetation</b>	.	.	0.30	1.09	0.41	0.50
<b>Freshwater Marshes - Sawgrass</b>	.	0.02	.	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	8.53	10.43	15.54	16.20	14.87	12.99
<b>Mixed Wetland Hardwoods</b>	.	0.66	6.40	5.82	5.22	5.26
<b>Wet Melaleuca</b>	.	.	0.09	0.09	0.10	0.10
<b>Wet Pinelands Hydric Pine</b>	.	.	2.15	2.23	2.05	2.07
<b>Wetland Forested Mixed</b>	.	5.30	0.63	0.59	0.93	0.94

**Collier County Land Use Summary  
1988-2012**

basin\_1=DRAINAGE TO CORKSCREW S

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	19.33	53.78	46.38	47.59	48.19	50.03
<b>Field Crops</b>	.	.	0.49	0.36	.	.
<b>Horse Farms</b>	.	0.05	.	.	.	.
<b>Improved Pastures</b>	37.21	16.94	10.59	12.17	13.09	11.72
<b>Mixed Crops</b>	0.76	.	.	.	.	.
<b>Ornamentals</b>	.	.	0.09	0.11	0.20	0.21
<b>Other Groves</b>	.	0.11	0.06	0.06	0.28	0.07
<b>Sod Farms</b>	.	0.21	.	.	.	.
<b>Unimproved Pastures</b>	0.55	4.86	10.90	5.94	5.16	3.62

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.12	0.14	.	.	.
<b>Coniferous Plantations</b>	.	.	.	.	0.26	0.27
<b>Melaleuca</b>	.	0.22	.	.	.	.
<b>Mixed Rangeland</b>	4.13	0.92	.	0.40	.	0.26
<b>Pine Flatwoods</b>	12.13	4.99	9.49	9.05	8.19	8.69

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=DRAINAGE TO CORKSCREW S

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Spoil Areas</b>	.	1.09	0.19	0.21	.	.
<b>Upland Hardwood Forests</b>	.	.	0.04	0.05	0.05	0.05
<b>Upland forests</b>	0.72	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	.	0.22	.	.	.	.
<b>Communications</b>	.	.	.	0.01	0.01	0.01
<b>Fixed Single Family Units</b>	1.22	2.28	0.75	0.12	0.06	0.06
<b>Grass Airports</b>	.	.	0.09	0.10	0.10	0.10
<b>Inactive Land with Street Patter</b>	0.79	0.13	0.21	0.23	0.07	0.02
<b>Industrial</b>	0.03	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=DRAINAGE TO CORKSCREW S

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	12.39	4.06	7.68	8.44	8.80	9.44
<b>Cypress- Domes/Heads</b>	0.93	.	2.16	2.40	2.53	2.82
<b>Emergent Aquatic Vegetation</b>	.	0.00	.	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	1.46	4.67	2.68	3.81	3.67	3.92
<b>Mixed Wetland Hardwoods</b>	.	0.09	1.22	1.55	1.60	0.55
<b>Wet Melaleuca</b>	.	.	0.57	0.63	0.65	0.68
<b>Wet Pinelands Hydric Pine</b>	3.12	.	4.67	5.00	5.25	5.46
<b>Wetland Forested Mixed</b>	5.24	5.25	1.60	1.77	1.84	2.01

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKA UNION (NORTH SEGME

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Citrus Groves	.	.	.	0.10	0.14	0.05
Field Crops	.	.	.	.	0.09	1.16
Improved Pastures	9.19	47.81	0.56	1.96	1.85	2.94
Mixed Crops	0.39	.	.	.	.	.
Ornamentals	.	0.76	0.40	0.34	0.14	0.09
Other Groves	.	.	0.05	0.07	0.06	0.06
Unimproved Pastures	.	9.62	0.34	0.35	0.43	0.29

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Brazilian Pepper	.	1.27	1.56	1.56	1.15	1.17
Cabbage Palm	.	.	0.11	2.98	8.24	7.74
Melaleuca	.	1.09	.	.	0.05	0.05
Mixed Rangeland	.	4.63	0.13	12.32	6.78	4.91
Pine Flatwoods	0.00	6.83	7.38	13.45	11.06	10.82
Spoil Areas	.	0.04	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKA UNION (NORTH SEGME

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Upland Hardwood Forests</b>	.	.	.	.	0.05	0.05
<b>Upland forests</b>	30.87	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.03	.	.	.	.	.
<b>Communications</b>	.	.	0.03	0.04	0.04	0.04
<b>Educational Facilities</b>	.	.	.	0.32	0.81	0.83
<b>Fixed Single Family Units</b>	30.18	17.23	10.08	15.02	12.23	12.43
<b>Inactive Land with Street Patter</b>	0.14	.	42.08	9.25	.	.
<b>Industrial</b>	0.03	.	.	.	.	.
<b>Open Land</b>	.	.	.	0.75	0.34	.
<b>Other Light Industry</b>	.	0.06	.	.	.	.
<b>Parks and Zoos</b>	.	.	0.04	0.05	0.05	0.05
<b>Race Tracks</b>	.	.	.	0.03	0.03	0.03
<b>Roads and Highways</b>	0.26	1.80	0.66	0.84	0.79	0.81

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKA UNION (NORTH SEGME

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	3.09	3.81	5.31	5.57	5.10	5.11
<b>Cypress- Domes/Heads</b>	0.49	.	0.17	0.22	0.22	0.30
<b>Emergent Aquatic Vegetation</b>	.	.	0.01	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	3.15	1.35	1.29	1.51	2.09	2.01
<b>Mangrove Swamp</b>	.	2.43	.	.	.	.
<b>Mixed Wetland Hardwoods</b>	.	0.09	13.91	17.15	16.81	16.80
<b>Wet Melaleuca</b>	.	.	0.05	0.07	0.12	0.12
<b>Wet Pinelands Hydric Pine</b>	.	.	15.84	16.06	26.84	27.63
<b>Wetland Forested Mixed</b>	22.18	1.18	.	.	4.48	4.51



**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKA UNION (SOUTH SEGME

**Agriculture**

	Percent composition			
	1988	1995	1999	2012
<b>Land Use</b>				
<b>Horse Farms</b>	0.01	.	.	.
<b>Improved Pastures</b>	.	0.22	.	0.03
<b>Ornamentals</b>	.	.	0.06	.
<b>Unimproved Pastures</b>	.	0.41	.	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.11	0.03	0.03	.	.
<b>Cabbage Palm</b>	.	.	0.51	0.59	0.23	0.23
<b>Melaleuca</b>	.	3.65	0.07	0.08	.	.
<b>Mixed Rangeland</b>	.	.	.	.	0.23	0.55
<b>Pine Flatwoods</b>	.	5.41	3.35	3.94	1.46	1.42
<b>Spoil Areas</b>	.	0.82	.	.	.	.
<b>Upland forests</b>	0.73	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKA UNION (SOUTH SEGME

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.01	0.03	.	.	.	.
<b>Commercial and Services</b>	0.03	.	0.31	0.36	0.41	0.41
<b>Fixed Single Family Units</b>	0.21	1.39	0.04	0.06	.	.
<b>Inactive Land with Street Patter</b>	21.13	.	.	.	.	.
<b>Institutional</b>	.	.	.	.	.	0.17
<b>Open Land</b>	0.15	.	.	0.03	.	.
<b>Recreational</b>	0.06	.	.	.	.	.
<b>Roads and Highways</b>	0.15	0.41	0.31	0.36	0.37	0.37

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	3.38	15.84	8.64	11.76	10.70	10.78
<b>Cypress- Domes/Heads</b>	12.60	.	.	.	.	.
<b>Emergent Aquatic Vegetation</b>	.	.	0.03	0.01	0.00	.
<b>Freshwater Marshes - Sawgrass</b>	.	.	3.82	4.48	.	5.52
<b>Freshwater Marshes / Graminoid P</b>	0.30	9.24	2.16	2.57	8.14	3.79
<b>Mangrove Swamp</b>	.	3.09	2.61	3.06	3.14	3.01

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKA UNION (SOUTH SEGME

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mixed Wetland Hardwoods</b>	.	.	35.09	22.96	38.19	36.47
<b>Saltwater Marshes / Halophytic H</b>	6.70	11.49	4.44	5.27	6.49	6.66
<b>Wet Melaleuca</b>	.	.	0.03	0.03	0.08	0.08
<b>Wet Pinelands Hydric Pine</b>	.	.	37.20	42.85	8.98	9.38
<b>Wetland Forested Mixed</b>	54.26	47.88	1.32	1.55	21.60	21.15
<b>Wetland Hardwood Forests</b>	0.29	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKAHATCHEE STRAND

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	.	0.12	0.11	0.12	0.12	0.12
<b>Improved Pastures</b>	0.60	1.15	.	.	.	0.05
<b>Mixed Crops</b>	0.30	.	.	.	.	.
<b>Unimproved Pastures</b>	.	.	.	.	0.05	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.26	0.05	0.05	.	.
<b>Cabbage Palm</b>	0.44	.	0.26	0.27	0.12	0.04
<b>Levees</b>	.	0.03	.	.	.	.
<b>Melaleuca</b>	.	0.50	.	.	.	.
<b>Mixed Rangeland</b>	3.18	0.03	.	.	.	.
<b>Oak - Cabbage Palm Forests</b>	0.25	.	0.14	0.14	.	.
<b>Pine Flatwoods</b>	0.06	1.28	1.20	1.24	1.51	1.50
<b>Spoil Areas</b>	.	0.17	0.04	0.04	0.04	0.04
<b>Upland forests</b>	0.83	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKAHATCHEE STRAND

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Airports	.	0.03	.	.	.	.
Extractive	0.25	.	.	.	.	.
Fixed Single Family Units	.	0.04	.	.	.	.
Institutional	0.00	.	.	.	.	0.03
Marinas and Fish Camps	.	0.01	.	.	.	.
Open Land	0.00	.	.	.	.	.
Parks and Zoos	0.00	.	.	.	.	.
Retail Sales and Services	0.01	.	.	.	.	.
Roads and Highways	0.33	0.31	0.31	0.32	0.34	0.33
Wholesale Sales & Services - Jun	0.09	.	.	.	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Cypress	35.15	41.53	47.43	49.21	51.71	51.00
Cypress- Domes/Heads	21.53	.	1.02	1.13	1.15	1.13
Emergent Aquatic Vegetation	1.80	0.00	0.16	0.14	0.11	0.03
Freshwater Marshes - Sawgrass	.	.	12.55	12.96	1.69	1.87

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=FAKAHATCHEE STRAND

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Freshwater Marshes / Graminoid P</b>	14.91	0.46	2.97	3.23	15.90	15.34
<b>Mangrove Swamp</b>	0.03	0.62	1.59	1.64	1.62	1.61
<b>Mixed Wetland Hardwoods</b>	.	0.01	17.79	15.54	11.48	12.54
<b>Saltwater Marshes / Halophytic H</b>	0.42	6.24	6.37	6.56	7.36	7.29
<b>Wet Melaleuca</b>	0.19	.	.	.	.	0.02
<b>Wet Pinelands Hydric Pine</b>	0.16	.	7.78	7.17	3.69	3.68
<b>Wetland Forested Mixed</b>	18.96	47.18	0.24	0.25	3.12	3.40
<b>Wetland Hardwood Forests</b>	0.51	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=GORDON RIVER (MARINE SE

**Agriculture**

	Percent composition
	1988
Land Use	
Citrus Groves	1.27

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Australian Pine	1.21	9.03	8.03	7.67	5.99	3.93
Brazilian Pepper	.	2.85	1.16	0.99	1.10	1.10
Mixed Rangeland	.	.	.	.	.	1.74
Oak - Cabbage Palm Forests	1.28	.	.	.	.	.
Pine Flatwoods	9.07	7.34	5.24	5.34	6.90	6.90
Upland Hardwood Forests	.	.	0.18	0.18	.	.
Upland forests	2.69	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=GORDON RIVER (MARINE SE

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	6.14	4.26	3.19	3.09	3.46	3.52
<b>Commercial and Services</b>	.	.	18.46	22.39	22.22	22.22
<b>Educational Facilities</b>	.	0.12	0.04	0.04	0.04	0.04
<b>Fixed Single Family Units</b>	13.27	29.59	24.95	24.53	21.43	21.69
<b>Golf Course</b>	.	0.95	0.48	0.49	0.49	0.49
<b>Inactive Land with Street Patter</b>	9.11	3.20	.	.	.	.
<b>Industrial</b>	3.10	.	.	.	.	.
<b>Institutional</b>	0.46	.	.	.	2.89	2.89
<b>Marinas and Fish Camps</b>	.	0.77	.	.	1.05	4.36
<b>Open Land</b>	18.68	.	11.46	7.83	7.39	3.20
<b>Other Light Industry</b>	.	10.92	1.22	1.25	0.15	0.15
<b>Parks and Zoos</b>	4.42	.	.	.	0.92	1.80
<b>Recreational</b>	1.38	.	.	.	.	.
<b>Retail Sales and Services</b>	3.80	.	.	.	.	.
<b>Roads and Highways</b>	.	5.54	4.43	4.92	4.87	4.87
<b>Sewage Treatment</b>	2.72	2.39	1.81	1.84	1.82	1.82
<b>Shopping Centers</b>	2.13	.	.	.	.	.
<b>Solid Waste Disposal</b>	0.40	.	.	.	.	.
<b>Urban and Builtup</b>	2.59	.	.	.	.	.



**Collier County Land Use Summary  
1988-2012**

basin\_1=GORDON RIVER (MARINE SE

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mangrove Swamp</b>	.	21.32	17.77	17.82	17.66	17.66
<b>Mixed Wetland Hardwoods</b>	.	.	1.59	1.62	1.61	1.61
<b>Wetland Forested Mixed</b>	1.17	1.72	.	.	.	.
<b>Wetland Hardwood Forests</b>	15.12	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=GORDON RIVER EXTENSION

**Agriculture**

	Percent composition	
	1988	1995
<b>Land Use</b>		
<b>Citrus Groves</b>	0.00	.
<b>Improved Pastures</b>	.	0.90
<b>Ornamentals</b>	1.60	0.03
<b>Unimproved Pastures</b>	.	0.75

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	.	0.16	0.05	0.06	0.05	0.05
<b>Brazilian Pepper</b>	.	1.02	1.15	0.57	0.55	.
<b>Melaleuca</b>	.	.	1.66	0.14	.	.
<b>Mixed Rangeland</b>	1.62	.	2.01	.	.	0.00
<b>Pine Flatwoods</b>	17.32	8.24	5.70	3.16	1.79	1.80
<b>Spoil Areas</b>	.	0.73	.	.	.	.
<b>Upland forests</b>	3.25	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=GORDON RIVER EXTENSION

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	0.71	.	5.75	7.03	15.18	15.28
<b>Educational Facilities</b>	2.79	3.47	3.13	3.28	3.20	3.22
<b>Electrical Power Facilities</b>	.	.	0.06	0.06	0.06	0.06
<b>Fixed Single Family Units</b>	26.92	38.75	34.79	36.39	37.86	38.17
<b>Golf Course</b>	17.18	22.87	20.58	24.86	23.81	24.14
<b>Inactive Land with Street Patter</b>	0.06	0.41	.	0.23	.	.
<b>Industrial</b>	7.02	.	.	.	.	.
<b>Institutional</b>	0.82	.	0.91	0.95	1.04	1.05
<b>Mobile Home Units</b>	0.17	.	0.19	0.20	0.20	0.20
<b>Open Land</b>	3.44	.	1.07	1.01	1.11	1.34
<b>Other Heavy Industrial</b>	.	.	0.32	0.34	0.14	0.14
<b>Other Light Industry</b>	.	10.83	8.89	9.31	1.02	1.02
<b>Parks and Zoos</b>	0.03	.	.	.	1.62	1.63
<b>Recreational</b>	0.00	.	0.47	0.49	.	.
<b>Retail Sales and Services</b>	3.39	.	.	.	.	.
<b>Roads and Highways</b>	.	3.25	3.03	3.26	3.18	3.20
<b>Sewage Treatment</b>	0.15	0.21	0.20	0.21	0.20	0.21
<b>Shopping Centers</b>	1.74	2.14	2.17	2.31	2.94	2.39
<b>Urban and Builtup</b>	10.44	.	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=GORDON RIVER EXTENSION

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Water Supply Plants - Including	.	.	.	.	0.18	0.18
Wholesale Sales & Services - Jun	.	.	.	.	0.18	0.19

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Cypress	1.09	1.35	0.91	0.95	0.46	0.47
Cypress- Domes/Heads	.	.	.	.	0.49	0.50
Emergent Aquatic Vegetation	.	.	.	.	.	0.20
Mangrove Swamp	.	.	0.01	0.01	0.01	0.01
Mixed Wetland Hardwoods	.	.	5.45	4.74	4.22	4.07
Wet Melaleuca	.	.	.	.	0.06	0.06
Wet Pinelands Hydric Pine	.	.	1.52	0.46	.	.
Wetland Forested Mixed	.	4.88	.	.	0.45	0.45
Wetland Hardwood Forests	0.27	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=HALDEMAN CREEK (LOWER)

**Agriculture**

	Percent composition
	1988
Land Use	
Mixed Crops	0.19

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Australian Pine	0.50	0.96	.	.	0.22	0.22
Brazilian Pepper	.	.	0.57	.	.	.
Melaleuca	.	0.09	.	.	.	.
Pine Flatwoods	23.29	5.13	1.97	1.93	0.75	0.74
Sand Pine	.	.	1.95	1.95	1.95	1.93
Upland Hardwood Forests	.	.	.	.	0.57	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=HALDEMAN CREEK (LOWER)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	0.12	.	12.96	14.82	15.32	15.12
<b>Educational Facilities</b>	1.01	1.40	0.95	0.95	0.99	0.98
<b>Fixed Single Family Units</b>	38.38	63.36	42.67	41.80	42.51	41.79
<b>Golf Course</b>	.	9.35	6.72	6.72	6.40	6.44
<b>Inactive Land with Street Patter</b>	1.62	.	0.35	.	.	.
<b>Institutional</b>	.	.	0.34	0.34	0.35	2.63
<b>Marinas and Fish Camps</b>	.	0.76	0.36	0.28	0.37	0.36
<b>Mobile Home Units</b>	8.17	.	9.34	9.43	9.25	9.13
<b>Oil and Gas Storage - not Indust</b>	0.08	.	.	.	.	.
<b>Open Land</b>	2.75	.	1.48	2.64	2.69	1.50
<b>Other Light Industry</b>	.	1.84	.	.	.	.
<b>Parks and Zoos</b>	.	.	2.03	2.63	2.75	3.51
<b>Railroads and Railyards</b>	.	0.16	.	.	.	.
<b>Retail Sales and Services</b>	8.00	.	.	.	.	.
<b>Roads and Highways</b>	.	3.14	3.68	3.79	3.97	3.91
<b>Shopping Centers</b>	3.26	3.61	3.18	2.69	2.81	2.78
<b>Urban and Builtup</b>	6.10	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.08	.	0.15	0.15	0.16	0.16

**Collier County Land Use Summary  
1988-2012**

basin\_1=HALDEMAN CREEK (LOWER)

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	.	0.51	.	.	.	.
<b>Emergent Aquatic Vegetation</b>	.	.	0.25	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	.	1.29	0.64	0.42	0.12	.
<b>Mangrove Swamp</b>	.	7.39	5.05	5.05	5.42	5.35
<b>Mixed Wetland Hardwoods</b>	.	.	.	.	0.09	0.09
<b>Saltwater Marshes / Halophytic H</b>	.	1.00	0.22	0.22	0.57	0.83
<b>Wet Melaleuca</b>	0.42	.	0.83	0.58	0.31	0.15
<b>Wet Pinelands Hydric Pine</b>	.	.	4.32	3.62	2.43	2.39
<b>Wetland Forested Mixed</b>	1.99	.	.	.	.	.
<b>Wetland Hardwood Forests</b>	4.04	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=HALDEMAN CREEK (UPPER)

**Agriculture**

	Percent composition	
	1988	
<b>Land Use</b>		
<b>Ornamentals</b>	0.19	

**Uplands**

	Percent composition	
	1988	1995
<b>Land Use</b>		
<b>Melaleuca</b>	.	0.23
<b>Pine Flatwoods</b>	3.78	.
<b>Upland forests</b>	4.20	.



**Collier County Land Use Summary  
1988-2012**

basin\_1=HALDEMAN CREEK (UPPER)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	.	.	12.42	12.30	10.11	3.70
<b>Educational Facilities</b>	0.16	0.27	0.05	0.05	0.05	0.05
<b>Electrical Power Facilities</b>	.	.	0.20	0.20	0.20	0.20
<b>Extractive</b>	1.02	.	.	.	.	.
<b>Fixed Single Family Units</b>	32.89	55.56	54.64	54.73	54.91	54.62
<b>Golf Course</b>	6.65	18.90	18.60	18.74	18.73	18.65
<b>Inactive Land with Street Patter</b>	3.77	0.02	.	.	.	.
<b>Institutional</b>	0.49	.	0.39	0.39	0.39	6.71
<b>Open Land</b>	2.65	.	1.07	0.61	0.43	1.03
<b>Recreational</b>	0.26	.	.	.	.	.
<b>Retail Sales and Services</b>	4.70	2.41	.	.	.	.
<b>Roads and Highways</b>	.	3.21	3.81	3.78	3.78	3.75
<b>Sewage Treatment</b>	.	0.76	.	.	.	.
<b>Shopping Centers</b>	2.14	18.63	6.39	6.78	8.96	8.88
<b>Solid Waste Disposal</b>	0.37	.	.	.	.	.
<b>Urban and Builtup</b>	36.72	.	.	.	.	.
<b>Water Supply Plants - Including</b>	.	.	0.29	0.29	0.29	0.28

**Collier County Land Use Summary  
1988-2012**

basin\_1=HALDEMAN CREEK (UPPER)

**Wetlands**

	Percent composition			
	1999	2005	2008	2012
<b>Land Use</b>				
<b>Freshwater Marshes / Graminoid P</b>	0.00	0.00	0.00	0.00
<b>Mixed Wetland Hardwoods</b>	0.31	0.31	0.31	0.30
<b>Wet Pinelands Hydric Pine</b>	0.10	0.10	0.14	0.14
<b>Wetland Forested Mixed</b>	1.72	1.71	1.71	1.69

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMMOKALEE BASIN

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	3.61	17.84	16.48	16.21	17.44	16.76
<b>Field Crops</b>	.	2.91	2.51	5.62	4.42	.
<b>Horse Farms</b>	.	1.73	.	.	.	.
<b>Improved Pastures</b>	33.11	10.19	7.68	5.26	7.52	20.42
<b>Mixed Crops</b>	9.76	.	.	.	.	.
<b>Unimproved Pastures</b>	0.49	0.68	5.73	5.23	5.55	2.34

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.10	2.86	2.40	2.32	1.79
<b>Melaleuca</b>	.	0.23	.	.	.	.
<b>Mixed Rangeland</b>	.	0.65	.	.	0.31	0.30
<b>Pine Flatwoods</b>	3.84	3.27	4.21	4.14	5.81	5.59
<b>Spoil Areas</b>	0.14	.	0.30	.	.	.
<b>Upland Hardwood Forests</b>	.	.	.	.	3.16	3.10
<b>Upland forests</b>	21.72	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMMOKALEE BASIN

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.52	1.44	1.37	1.39	1.49	1.43
<b>Cemeteries</b>	.	.	0.09	0.09	0.10	0.10
<b>Commercial and Services</b>	.	.	4.89	4.98	5.33	5.12
<b>Communications</b>	.	.	0.09	0.13	0.05	0.04
<b>Educational Facilities</b>	1.43	2.35	3.33	3.36	3.62	3.48
<b>Electrical Power Facilities</b>	0.07	.	.	.	.	.
<b>Fixed Single Family Units</b>	9.47	28.19	11.97	11.58	12.32	11.52
<b>Inactive Land with Street Patter</b>	0.21	0.11	.	.	.	.
<b>Industrial</b>	2.47	.	.	.	.	.
<b>Institutional</b>	0.20	.	1.22	1.16	1.77	1.73
<b>Mobile Home Units</b>	1.26	.	2.60	2.69	2.67	2.57
<b>Open Land</b>	4.13	.	0.13	0.13	0.14	0.14
<b>Other Light Industry</b>	.	5.69	4.17	4.38	4.46	4.28
<b>Retail Sales and Services</b>	1.46	0.06	.	.	.	.
<b>Sewage Treatment</b>	.	.	.	.	0.92	0.88
<b>Shopping Centers</b>	.	0.01	0.37	0.37	0.40	0.39
<b>Urban and Builtup</b>	0.00	.	.	.	.	.
<b>Water Supply Plants - Including</b>	.	0.87	0.45	0.60	0.08	0.08
<b>Wholesale Sales &amp; Services - Jun</b>	0.05	.	.	0.11	0.12	0.12

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMMOKALEE BASIN

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	1.56	8.62	5.05	5.12	3.69	3.55
<b>Cypress- Domes/Heads</b>	.	.	0.21	0.22	0.24	0.23
<b>Emergent Aquatic Vegetation</b>	.	.	0.29	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	1.11	8.31	11.12	12.14	7.59	5.94
<b>Mixed Wetland Hardwoods</b>	.	1.26	10.14	10.15	4.04	0.74
<b>Wet Pinelands Hydric Pine</b>	.	.	1.91	1.72	.	.
<b>Wetland Forested Mixed</b>	3.38	5.51	0.80	0.81	4.41	7.38

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Aquaculture</b>	.	.	.	.	0.01	.
<b>Citrus Groves</b>	2.82	4.14	3.00	3.22	3.04	2.69
<b>Field Crops</b>	.	.	.	0.14	4.41	2.58
<b>Improved Pastures</b>	17.45	19.37	15.33	14.91	12.20	10.63
<b>Mixed Crops</b>	9.72	.	.	.	.	.
<b>Ornamentals</b>	0.01	0.22	0.03	0.19	0.24	0.15
<b>Other Groves</b>	.	.	.	.	0.00	.
<b>Sod Farms</b>	.	0.20	.	.	.	.
<b>Unimproved Pastures</b>	3.71	5.52	3.52	4.15	4.15	2.91

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	.	0.04	.	.	.	.
<b>Brazilian Pepper</b>	.	0.95	0.41	0.37	0.29	0.63
<b>Cabbage Palm</b>	.	.	.	.	0.18	0.24
<b>Coniferous Plantations</b>	.	0.07	.	.	.	.
<b>Melaleuca</b>	.	1.76	0.11	0.08	0.10	0.09

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mixed Rangeland</b>	1.43	1.17	0.33	0.25	0.64	2.24
<b>Pine Flatwoods</b>	8.92	11.03	11.99	10.94	10.00	10.93
<b>Spoil Areas</b>	.	1.14	0.00	0.00	0.21	0.10
<b>Upland Coniferous Forests</b>	.	.	0.38	0.39	.	.
<b>Upland Hardwood Forests</b>	.	.	0.02	0.02	0.04	0.06
<b>Upland forests</b>	1.47	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	.	0.02	.	.	.	.
<b>Commercial and Services</b>	.	.	0.30	0.47	0.46	0.49
<b>Communications</b>	.	.	0.18	0.20	0.25	0.27
<b>Educational Facilities</b>	.	.	0.02	0.06	0.05	0.02
<b>Electrical Power Facilities</b>	0.01	.	.	.	0.03	0.03
<b>Extractive</b>	0.22	.	.	.	.	.
<b>Fixed Single Family Units</b>	3.90	7.73	4.15	4.35	5.28	5.58
<b>Golf Course</b>	0.00	0.75	0.74	1.36	1.82	1.87

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Inactive Land with Street Patter</b>	0.01	0.77	0.51	0.09	0.10	0.20
<b>Industrial</b>	0.07	.	.	.	.	.
<b>Institutional</b>	.	.	0.11	0.07	0.17	0.22
<b>Mobile Home Units</b>	0.78	.	1.91	2.01	1.92	1.57
<b>Open Land</b>	0.24	.	0.35	0.40	0.36	0.22
<b>Other Light Industry</b>	.	0.06	0.14	0.15	0.05	0.05
<b>Parks and Zoos</b>	.	.	0.12	0.13	0.14	0.15
<b>Race Tracks</b>	0.39	.	.	.	.	.
<b>Recreational</b>	0.04	.	.	0.06	.	.
<b>Retail Sales and Services</b>	0.09	0.11	.	.	.	.
<b>Roads and Highways</b>	0.37	0.69	0.57	0.59	0.83	1.13
<b>Sewage Treatment</b>	0.02	.	0.06	0.06	0.33	0.35
<b>Urban and Builtup</b>	0.03	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.03	0.11	0.25	0.29	0.11	0.15
<b>Wholesale Sales &amp; Services - Jun</b>	0.03	.	.	.	.	.



**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	32.87	18.51	26.30	27.46	26.51	27.56
<b>Cypress- Domes/Heads</b>	0.58	.	2.06	2.12	2.18	2.37
<b>Emergent Aquatic Vegetation</b>	.	.	0.10	0.05	.	0.14
<b>Freshwater Marshes / Graminoid P</b>	1.97	7.60	6.46	6.73	6.29	6.77
<b>Mixed Wetland Hardwoods</b>	.	2.64	0.39	0.40	0.31	0.39
<b>Saltwater Marshes / Halophytic H</b>	.	0.17	.	.	.	.
<b>Wet Melaleuca</b>	0.68	.	1.95	1.91	1.95	1.56
<b>Wet Pinelands Hydric Pine</b>	2.69	.	14.67	12.79	12.09	12.21
<b>Wetland Forested Mixed</b>	6.34	15.21	3.54	3.60	3.24	3.42
<b>Wetland Hardwood Forests</b>	0.01	.	.	.	.	.
<b>Wetlands</b>	3.11	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER (MARINE)

**Agriculture**

	Percent composition			
	1988	1995	2008	2012
<b>Land Use</b>				
<b>Aquaculture</b>	.	0.16	.	.
<b>Dairies</b>	0.13	.	.	.
<b>Horse Farms</b>	.	.	0.21	0.21
<b>Mixed Crops</b>	2.79	.	.	.
<b>Ornamentals</b>	0.00	.	.	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	0.80	.	.	.	.	0.48
<b>Brazilian Pepper</b>	.	0.53	.	.	.	.
<b>Melaleuca</b>	.	0.46	0.91	0.72	0.32	.
<b>Mixed Rangeland</b>	.	.	.	.	0.32	0.24
<b>Pine Flatwoods</b>	14.39	13.59	3.35	2.01	1.64	1.70
<b>Sand Pine</b>	.	.	0.93	0.19	0.81	0.83
<b>Upland Hardwood Forests</b>	.	.	0.35	0.33	0.31	0.11
<b>Upland forests</b>	6.65	.	.	.	.	.
<b>Xeric Oak</b>	0.64	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER (MARINE)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	.	.	6.19	9.48	10.52	10.40
<b>Educational Facilities</b>	0.66	1.76	0.56	0.57	0.58	0.60
<b>Extractive</b>	0.10	.	.	.	.	.
<b>Fixed Single Family Units</b>	41.73	58.82	50.29	53.09	54.31	55.56
<b>Golf Course</b>	5.84	6.26	9.57	8.65	8.57	8.56
<b>Inactive Land with Street Patter</b>	0.98	.	0.19	.	.	0.64
<b>Institutional</b>	0.17	.	1.85	2.14	2.52	3.06
<b>Marinas and Fish Camps</b>	.	0.24	0.17	0.17	0.18	0.18
<b>Mobile Home Units</b>	0.86	.	1.54	1.78	1.15	0.61
<b>Open Land</b>	3.18	.	2.73	2.32	1.62	0.57
<b>Other Light Industry</b>	.	.	0.05	0.05	0.07	0.07
<b>Parks and Zoos</b>	.	1.38	0.94	0.96	1.13	1.48
<b>Recreational</b>	1.15	.	.	.	.	.
<b>Retail Sales and Services</b>	1.76	6.28	.	.	.	.
<b>Roads and Highways</b>	.	3.23	3.26	3.27	3.20	3.26
<b>Sewage Treatment</b>	0.29	.	.	.	.	.
<b>Shopping Centers</b>	2.68	0.19	3.67	3.84	3.26	3.32
<b>Urban and Builtup</b>	2.62	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.09	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=IMPERIAL RIVER (MARINE)

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	0.22	0.36	0.58	0.60	0.59	0.51
<b>Freshwater Marshes / Graminoid P</b>	1.58	0.14	0.23	0.29	0.38	0.39
<b>Mangrove Swamp</b>	.	3.37	4.02	3.99	4.22	4.35
<b>Mixed Wetland Hardwoods</b>	.	1.74	0.37	0.37	0.23	0.24
<b>Saltwater Marshes / Halophytic H</b>	.	.	0.76	0.77	0.66	0.62
<b>Wet Melaleuca</b>	.	.	1.56	1.17	0.52	0.12
<b>Wet Pinelands Hydric Pine</b>	1.35	.	5.47	3.08	2.15	1.87
<b>Wetland Forested Mixed</b>	2.08	1.50	0.46	0.18	0.49	.
<b>Wetland Hardwood Forests</b>	6.87	.	.	.	.	.
<b>Wetlands</b>	0.41	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=L-28 TIEBACK

**Agriculture**

	Percent composition				
	1988	1995	1999	2005	2008
<b>Land Use</b>					
<b>Citrus Groves</b>	0.02	.	.	.	.
<b>Improved Pastures</b>	0.11	0.12	0.32	0.32	0.09
<b>Other Groves</b>	.	.	.	.	0.02
<b>Unimproved Pastures</b>	.	3.18	0.75	0.76	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.03	0.04	0.04	0.13	.
<b>Cabbage Palm</b>	.	.	0.38	0.39	0.36	.
<b>Levees</b>	0.26	.	.	0.51	.	.
<b>Live Oak</b>	.	.	0.03	0.03	.	.
<b>Melaleuca</b>	.	0.14	0.13	0.13	0.04	.
<b>Mixed Rangeland</b>	.	.	0.00	0.00	0.00	.
<b>Oak - Cabbage Palm Forests</b>	.	.	1.46	1.46	0.84	2.75
<b>Pine Flatwoods</b>	0.48	11.54	4.80	4.80	12.13	33.96
<b>Spoil Areas</b>	.	0.33	0.51	.	.	.
<b>Upland Hardwood Forests</b>	.	.	4.02	4.02	3.94	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=L-28 TIEBACK

**Urban and Built-up**

	Percent composition				
	1988	1995	1999	2005	2008
<b>Land Use</b>					
<b>Airports</b>	.	0.10	.	.	.
<b>Fixed Single Family Units</b>	0.62	0.12	.	.	.
<b>Grass Airports</b>	.	.	0.04	0.04	0.01
<b>Industrial</b>	0.01	.	.	.	.
<b>Mobile Home Units</b>	.	.	0.02	0.02	0.02
<b>Roads and Highways</b>	0.34	0.55	0.72	0.72	0.65

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	9.55	74.54	38.20	38.22	42.45	35.53
<b>Cypress- Domes/Heads</b>	83.73	.	31.81	31.86	24.48	21.84
<b>Emergent Aquatic Vegetation</b>	.	.	0.02	0.06	.	.
<b>Freshwater Marshes - Sawgrass</b>	.	0.07	8.43	8.28	0.14	.
<b>Freshwater Marshes / Graminoid P</b>	1.10	3.59	2.85	2.87	11.32	1.27
<b>Mixed Wetland Hardwoods</b>	.	0.13	1.34	1.34	1.24	.
<b>Saltwater Marshes / Halophytic H</b>	.	0.06	.	.	.	.
<b>Wet Melaleuca</b>	.	.	0.01	0.01	0.01	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=L-28 TIEBACK

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Wet Pinelands Hydric Pine</b>	3.79	.	3.70	3.71	0.93	0.08
<b>Wetland Forested Mixed</b>	.	5.50	0.41	0.41	1.22	4.57

**Collier County Land Use Summary  
1988-2012**

basin\_1=LAKE AVALON

**Uplands**

	Percent composition	
	1988	1995
<b>Land Use</b>		
<b>Australian Pine</b>	.	7.14
<b>Pine Flatwoods</b>	100.00	.

**Urban and Built-up**

	Percent composition			
	1999	2005	2008	2012
<b>Land Use</b>				
<b>Parks and Zoos</b>	46.09	98.33	98.33	98.33

**Wetlands**

	Percent composition				
	1995	1999	2005	2008	2012
<b>Land Use</b>					
<b>Freshwater Marshes / Graminoid P</b>	92.86	.	.	.	.
<b>Wet Pinelands Hydric Pine</b>	.	53.91	1.67	1.67	1.67



**Collier County Land Use Summary  
1988-2012**

basin\_1=LAKE TRAFFORD

**Uplands**

	Percent composition
	1988
<b>Land Use</b>	
<b>Cabbage Palm</b>	4.71
<b>Upland forests</b>	30.30

**Urban and Built-up**

	Percent composition	
	1988	1995
<b>Land Use</b>		
<b>Fixed Single Family Units</b>	18.01	1.14
<b>Marinas and Fish Camps</b>	3.98	.
<b>Parks and Zoos</b>	.	0.00

**Collier County Land Use Summary  
1988-2012**

basin\_1=LAKE TRAFFORD

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	.	4.79	.	.	.	.
<b>Emergent Aquatic Vegetation</b>	.	.	10.01	76.83	100.00	100.00
<b>Freshwater Marshes / Graminoid P</b>	43.00	54.17	89.99	23.17	.	.
<b>Wetland Forested Mixed</b>	.	39.90	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=MARCO ISLAND

**Agriculture**

	Percent composition
	1988
<b>Land Use</b>	
<b>Ornamentals</b>	0.07

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	1.94	.	0.06	0.06	0.06	0.06
<b>Spoil Areas</b>	.	0.46	0.23	0.25	.	.
<b>Upland Hardwood Forests</b>	.	.	0.41	0.54	0.53	0.54
<b>Upland forests</b>	0.22	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=MARCO ISLAND

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cemeteries</b>	.	.	0.09	0.10	0.10	0.10
<b>Commercial and Services</b>	1.15	.	11.79	7.08	7.15	7.21
<b>Educational Facilities</b>	0.50	0.80	0.50	0.54	0.54	0.54
<b>Fixed Single Family Units</b>	61.35	80.08	67.78	72.16	72.49	73.12
<b>Golf Course</b>	3.37	4.10	3.91	4.16	4.16	4.19
<b>Inactive Land with Street Patter</b>	4.24	0.43	1.12	1.19	.	.
<b>Institutional</b>	0.46	.	0.73	0.88	1.21	1.22
<b>Marinas and Fish Camps</b>	0.25	0.11	0.41	0.50	0.32	0.32
<b>Open Land</b>	3.92	.	0.95	0.74	0.57	0.58
<b>Parks and Zoos</b>	.	0.34	0.66	0.70	0.78	0.78
<b>Recreational</b>	0.72	.	.	.	.	.
<b>Retail Sales and Services</b>	3.01	.	.	.	.	.
<b>Roads and Highways</b>	.	.	0.09	0.10	0.10	0.10
<b>Sewage Treatment</b>	.	0.39	0.24	0.26	0.26	0.26
<b>Shopping Centers</b>	0.53	0.37	0.46	0.49	0.49	0.50
<b>Solid Waste Disposal</b>	0.10	.	.	.	.	.
<b>Swimming Beach</b>	3.41	3.13	3.08	2.90	3.86	3.19
<b>Urban and Builtup</b>	8.37	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.16	0.22	0.21	0.22	0.22	0.22

**Collier County Land Use Summary  
1988-2012**

basin\_1=MARCO ISLAND

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mangrove Swamp</b>	.	9.52	7.15	7.05	7.01	6.96
<b>Saltwater Marshes / Halophytic H</b>	.	0.07	0.13	0.09	0.16	0.11
<b>Wetland Hardwood Forests</b>	6.23	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=MARCO ISLAND (SOUTH SEG)

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cabbage Palm</b>	.	.	0.17	0.17	0.18	0.18
<b>Spoil Areas</b>	.	0.47	0.04	0.04	0.04	0.04
<b>Upland Hardwood Forests</b>	.	.	1.39	1.40	1.61	1.62
<b>Upland forests</b>	2.79	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	0.13	.	0.00	.	0.07	0.07
<b>Fixed Single Family Units</b>	1.95	0.54	1.47	1.48	1.64	1.64
<b>Inactive Land with Street Patter</b>	0.13	2.23	.	.	.	.
<b>Marinas and Fish Camps</b>	0.18	0.04	0.51	0.51	0.36	0.36
<b>Mobile Home Units</b>	0.37	.	0.57	0.58	0.07	0.07
<b>Open Land</b>	0.18	.	0.14	0.15	.	.
<b>Recreational</b>	0.01	.	.	.	.	.
<b>Swimming Beach</b>	0.86	.	1.45	1.02	0.56	.
<b>Urban and Builtup</b>	0.05	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=MARCO ISLAND (SOUTH SEG)

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mangrove Swamp</b>	.	95.05	93.27	93.68	93.87	94.40
<b>Saltwater Marshes / Halophytic H</b>	.	1.66	0.99	0.98	1.62	1.63
<b>Wetland Hardwood Forests</b>	93.37	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=MOORINGS BAY SYSTEM

**Uplands**

	Percent composition
	1988
<b>Land Use</b>	
<b>Pine Flatwoods</b>	0.66

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	.	.	7.16	7.38	7.46	7.44
<b>Educational Facilities</b>	0.71	1.18	1.06	1.06	1.05	1.05
<b>Fixed Single Family Units</b>	55.06	80.42	70.96	70.81	70.47	70.38
<b>Golf Course</b>	7.09	11.60	9.25	9.23	9.19	9.32
<b>Inactive Land with Street Patter</b>	0.02	.	.	.	.	.
<b>Institutional</b>	0.71	.	1.66	1.65	1.52	1.51
<b>Marinas and Fish Camps</b>	0.19	.	.	.	.	.
<b>Mobile Home Units</b>	0.43	.	.	.	.	.
<b>Open Land</b>	3.54	.	0.28	0.28	0.28	0.28
<b>Parks and Zoos</b>	0.35	0.69	.	.	0.49	0.49
<b>Recreational</b>	0.00	.	.	.	.	.
<b>Retail Sales and Services</b>	7.27	.	.	.	.	.
<b>Roads and Highways</b>	.	2.80	2.63	2.62	2.61	2.60

(Continued)



**Collier County Land Use Summary  
1988-2012**

basin\_1=MOORINGS BAY SYSTEM

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Shopping Centers	1.74	0.69	3.85	3.84	3.83	3.82
Swimming Beach	2.04	2.62	3.16	3.13	3.12	3.11
Urban and Builtup	20.19	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=NAPLES BAY (COASTAL SEG)

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	1.37	0.79	0.51	0.52	0.06	0.06
<b>Pine - Mesic Oak</b>	0.24	.	.	.	.	.
<b>Pine Flatwoods</b>	4.50	0.00	0.10	0.10	0.10	0.10
<b>Upland forests</b>	0.02	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	0.23	.	15.73	16.75	15.57	15.56
<b>Educational Facilities</b>	2.12	1.59	1.23	1.39	1.40	1.40
<b>Fixed Single Family Units</b>	59.87	76.76	63.05	62.33	63.74	63.76
<b>Golf Course</b>	.	3.35	2.40	2.45	2.48	2.48
<b>Inactive Land with Street Patter</b>	0.10	.	0.47	.	.	.
<b>Industrial</b>	0.75	.	.	.	.	.
<b>Institutional</b>	1.39	.	0.86	0.88	0.88	0.88
<b>Marinas and Fish Camps</b>	1.81	3.01	1.34	0.99	1.80	1.80
<b>Mobile Home Units</b>	0.58	.	.	.	.	.
<b>Open Land</b>	2.79	.	0.65	0.41	0.96	0.96

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=NAPLES BAY (COASTAL SEG)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Parks and Zoos</b>	0.20	.	0.56	0.57	1.37	1.37
<b>Recreational</b>	0.80	.	0.75	0.77	.	.
<b>Retail Sales and Services</b>	10.27	.	.	.	.	.
<b>Roads and Highways</b>	.	0.77	0.62	0.68	0.69	0.69
<b>Sewage Treatment</b>	0.02	.	.	.	.	.
<b>Shopping Centers</b>	0.97	1.12	0.79	0.81	.	.
<b>Swimming Beach</b>	0.71	2.31	1.68	1.90	1.92	1.92
<b>Urban and Builtup</b>	3.94	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.08	.	.	.	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mangrove Swamp</b>	.	10.29	7.72	7.87	8.70	8.71
<b>Saltwater Marshes / Halophytic H</b>	.	.	0.87	0.88	0.19	0.19
<b>Wet Melaleuca</b>	.	.	.	.	0.11	0.11
<b>Wet Pinelands Hydric Pine</b>	.	.	0.67	0.69	0.02	0.01
<b>Wetland Hardwood Forests</b>	7.25	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=NORTH GOLDEN GATE

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Aquaculture	.	.	.	0.01	.	.
Citrus Groves	0.88	1.00	0.77	0.04	1.34	1.33
Field Crops	.	.	0.03	0.03	0.03	0.20
Fruit Orchards	.	.	.	0.21	.	.
Horse Farms	.	0.09	0.07	0.20	0.30	0.30
Improved Pastures	6.07	11.46	4.16	3.81	2.58	1.88
Mixed Crops	5.95	.	0.04	0.02	0.02	.
Ornamentals	1.10	0.37	0.91	1.04	1.11	1.05
Other Groves	.	0.02	0.03	0.04	0.04	0.04
Poultry Feeding Operations	.	.	.	.	0.04	0.04
Sod Farms	.	0.06	.	.	.	.
Unimproved Pastures	.	4.92	0.15	0.27	0.77	0.50

**Collier County Land Use Summary  
1988-2012**

basin\_1=NORTH GOLDEN GATE

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.78	0.49	0.31	0.23	0.21
<b>Cabbage Palm</b>	.	.	1.60	1.29	0.19	0.18
<b>Levees</b>	.	.	.	0.05	.	.
<b>Melaleuca</b>	.	10.24	0.27	0.18	0.09	0.07
<b>Mixed Rangeland</b>	1.82	1.00	0.19	0.86	0.72	1.00
<b>Pine Flatwoods</b>	9.96	6.21	5.79	4.66	5.49	5.72
<b>Spoil Areas</b>	.	1.02	0.07	0.06	.	.
<b>Upland Hardwood Forests</b>	.	.	0.03	0.04	0.09	0.11
<b>Upland forests</b>	13.10	.	.	.	.	.
<b>Xeric Oak</b>	.	0.13	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cemeteries</b>	.	.	.	0.05	0.05	0.05
<b>Commercial and Services</b>	.	.	0.91	1.46	1.49	1.38
<b>Communications</b>	.	.	0.02	0.02	0.02	0.03
<b>Educational Facilities</b>	0.13	0.76	0.66	1.32	1.61	1.61

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=NORTH GOLDEN GATE

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Electrical Power Facilities</b>	0.03	.	0.03	0.04	0.04	0.04
<b>Extractive</b>	1.52	.	.	.	.	.
<b>Fixed Single Family Units</b>	46.68	47.18	36.16	44.72	46.59	46.71
<b>Golf Course</b>	0.72	3.46	3.60	5.09	5.50	5.55
<b>Inactive Land with Street Patter</b>	3.29	2.28	9.97	1.72	0.31	0.24
<b>Industrial</b>	0.71	.	.	.	.	.
<b>Institutional</b>	0.03	.	0.37	0.65	0.80	1.08
<b>Mobile Home Units</b>	0.13	.	0.17	0.20	0.33	0.33
<b>Open Land</b>	0.14	.	2.18	2.54	1.87	1.21
<b>Other Light Industry</b>	.	1.11	0.74	0.76	0.66	0.71
<b>Parks and Zoos</b>	.	0.16	.	0.01	0.18	0.18
<b>Recreational</b>	0.03	.	0.17	0.19	.	.
<b>Retail Sales and Services</b>	0.11	0.32	.	.	.	.
<b>Roads and Highways</b>	0.73	1.89	1.47	2.28	2.77	2.83
<b>Sewage Treatment</b>	.	0.05	0.03	0.03	0.04	0.09
<b>Shopping Centers</b>	.	0.25	0.34	0.60	0.76	0.77
<b>Solid Waste Disposal</b>	.	0.04	0.01	0.01	0.02	0.02
<b>Urban and Builtup</b>	0.32	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.05	0.04	0.07	0.11	0.11	0.09

**Collier County Land Use Summary  
1988-2012**

basin\_1=NORTH GOLDEN GATE

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	3.76	4.10	5.85	5.59	5.60	5.89
<b>Cypress- Domes/Heads</b>	1.60	.	0.08	0.08	0.12	0.12
<b>Emergent Aquatic Vegetation</b>	.	.	0.02	0.02	0.02	0.88
<b>Freshwater Marshes / Graminoid P</b>	0.05	0.19	0.26	0.32	0.35	0.46
<b>Mixed Wetland Hardwoods</b>	.	.	3.16	3.22	3.09	2.62
<b>Wet Melaleuca</b>	0.26	.	1.26	0.68	0.49	0.46
<b>Wet Pinelands Hydric Pine</b>	0.01	.	17.23	14.60	13.03	12.51
<b>Wetland Forested Mixed</b>	0.81	0.88	0.62	0.58	1.10	1.53

**Collier County Land Use Summary  
1988-2012**

basin\_1=OAK CREEK

**Agriculture**

	Percent composition			
	1988	1995	1999	2005
Land Use				
Aquaculture	.	0.00	.	.
Citrus Groves	0.35	.	.	.
Horse Farms	0.10	.	.	.
Improved Pastures	1.65	10.06	6.34	.
Mixed Crops	14.75	.	.	.
Ornamentals	0.38	.	.	.
Unimproved Pastures	.	6.49	0.73	0.34

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Melaleuca	.	0.64	0.15	0.15	.	.
Mixed Rangeland	0.54	.	0.70	0.42	.	.
Oak - Cabbage Palm Forests	.	.	.	.	0.20	0.21
Pine Flatwoods	32.91	33.70	2.43	0.29	1.26	0.99
Sand Pine	.	.	.	.	0.30	0.68
Upland Hardwood Forests	.	.	0.79	0.40	0.50	0.26
Upland forests	0.79	.	.	.	.	.



**Collier County Land Use Summary  
1988-2012**

basin\_1=OAK CREEK

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	2.80	.	4.88	7.78	8.85	9.51
<b>Communications</b>	.	.	0.17	0.17	0.18	0.18
<b>Educational Facilities</b>	.	.	0.01	0.69	0.27	0.19
<b>Fixed Single Family Units</b>	10.49	17.82	8.46	16.73	24.08	24.39
<b>Golf Course</b>	.	3.93	4.59	27.62	28.04	28.47
<b>Inactive Land with Street Patter</b>	.	1.31	0.00	1.54	1.29	1.31
<b>Industrial</b>	1.59	.	.	.	.	.
<b>Institutional</b>	.	.	.	.	0.15	0.16
<b>Mobile Home Units</b>	0.45	.	1.10	1.09	0.86	0.88
<b>Open Land</b>	0.43	.	4.85	7.92	2.78	2.11
<b>Other Light Industry</b>	.	.	2.18	2.02	1.92	1.96
<b>Parks and Zoos</b>	.	0.29	.	.	0.00	0.00
<b>Race Tracks</b>	.	2.76	1.28	1.28	1.33	1.35
<b>Retail Sales and Services</b>	2.66	1.74	.	.	.	.
<b>Roads and Highways</b>	2.09	4.28	2.86	3.98	4.11	4.20
<b>Sewage Treatment</b>	0.00	.	.	.	.	.
<b>Shopping Centers</b>	.	.	0.02	1.19	1.17	1.19
<b>Urban and Builtup</b>	0.37	.	.	.	.	.
<b>Wholesale Sales &amp; Services - Jun</b>	.	2.29	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=OAK CREEK

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	15.70	2.05	2.08	1.88	1.95	1.67
<b>Cypress- Domes/Heads</b>	.	.	3.46	3.56	3.56	3.66
<b>Freshwater Marshes / Graminoid P</b>	0.48	.	0.51	1.44	0.54	0.56
<b>Mixed Wetland Hardwoods</b>	.	0.52	0.78	0.76	0.79	0.80
<b>Wet Melaleuca</b>	3.22	.	4.50	13.18	0.44	0.45
<b>Wet Pinelands Hydric Pine</b>	.	.	47.14	5.57	13.87	13.37
<b>Wetland Forested Mixed</b>	8.03	12.12	.	.	1.55	1.44
<b>Wetland Hardwood Forests</b>	0.22	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=OKALOACOOCHEE SLOUGH

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	4.12	13.74	14.22	14.66	14.91	15.34
<b>Dairies</b>	.	0.06	.	.	.	.
<b>Field Crops</b>	.	0.05	0.06	0.22	0.55	0.22
<b>Horse Farms</b>	.	0.04	.	.	.	.
<b>Improved Pastures</b>	29.66	21.98	23.89	20.52	21.65	20.50
<b>Mixed Crops</b>	2.75	.	.	.	.	.
<b>Ornamentals</b>	.	0.03	0.01	0.01	0.05	0.05
<b>Other Groves</b>	.	0.00	.	.	.	.
<b>Sod Farms</b>	.	0.04	0.04	0.04	0.04	0.05
<b>Unimproved Pastures</b>	9.30	5.87	4.90	7.62	6.72	7.16

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.20	0.15	0.14	0.14	0.18
<b>Cabbage Palm</b>	0.90	0.05	0.22	0.21	0.51	0.51
<b>Coniferous Plantations</b>	.	.	.	.	0.01	0.01
<b>Live Oak</b>	.	0.01	0.05	0.05	0.02	0.02

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=OKALOACOOCHEE SLOUGH

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
Melaleuca	.	0.00	0.04	0.05	0.03	0.03
Mixed Rangeland	0.28	5.79	0.12	0.20	0.16	0.16
Oak - Cabbage Palm Forests	0.20	.	0.21	0.21	0.22	0.10
Pine Flatwoods	1.00	8.88	6.83	6.76	6.69	7.08
Spoil Areas	.	0.15	0.01	0.01	0.03	0.03
Upland Hardwood Forests	.	.	1.49	1.50	1.37	1.34
Upland forests	1.41	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
Airports	.	0.02	.	.	.	.
Commercial and Services	.	.	0.02	0.03	0.00	0.00
Communications	0.02	.	.	.	.	.
Correctional	0.11	0.09	0.17	0.17	0.24	0.26
Educational Facilities	.	.	0.00	0.00	0.00	0.00
Extractive	0.00	.	.	.	.	.
Fixed Single Family Units	0.35	0.22	0.03	0.02	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=OKALOACOOCHEE SLOUGH

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Grass Airports</b>	.	.	0.02	0.02	0.03	0.03
<b>Industrial</b>	0.03	.	.	.	.	.
<b>Institutional</b>	.	.	.	.	0.02	0.02
<b>Mobile Home Units</b>	0.03	.	0.02	0.01	.	.
<b>Oil and Gas Storage - not Indust</b>	0.03	.	.	.	.	.
<b>Roads and Highways</b>	.	0.07	.	.	.	.
<b>Water Supply Plants - Including</b>	.	.	.	0.01	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	5.51	5.77	5.38	5.36	5.65	6.05
<b>Cypress- Domes/Heads</b>	2.14	.	2.29	2.19	2.30	2.43
<b>Emergent Aquatic Vegetation</b>	.	0.10	0.23	0.14	0.17	0.36
<b>Freshwater Marshes - Sawgrass</b>	.	0.05	1.67	1.66	1.13	1.16
<b>Freshwater Marshes / Graminoid P</b>	14.12	28.45	33.53	33.76	33.72	33.08
<b>Mangrove Swamp</b>	.	0.06	.	.	.	.
<b>Mixed Wetland Hardwoods</b>	1.47	1.15	3.76	3.77	2.62	2.75

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=OKALOACOOCHEE SLOUGH

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Saltwater Marshes / Halophytic H</b>	.	0.02	.	.	.	.
<b>Wet Melaleuca</b>	.	.	0.02	0.02	0.01	0.01
<b>Wet Pinelands Hydric Pine</b>	21.95	.	0.36	0.36	0.25	0.27
<b>Wetland Forested Mixed</b>	4.62	7.10	0.25	0.28	0.74	0.80

**Collier County Land Use Summary  
1988-2012**

basin\_1=OYSTER BAY

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress- Domes/Heads</b>	0.34	.	.	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	0.14	2.84	.	.	.	.
<b>Mangrove Swamp</b>	.	92.98	95.01	93.32	91.48	92.90
<b>Mixed Wetland Hardwoods</b>	.	.	0.01	0.01	0.01	0.01
<b>Saltwater Marshes / Halophytic H</b>	2.69	4.18	4.98	6.67	8.50	7.09
<b>Wetland Hardwood Forests</b>	96.83	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROCK CREEK

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	.	4.84	2.56	2.28	0.95	0.30
<b>Brazilian Pepper</b>	.	3.15	0.95	1.03	1.00	1.00
<b>Melaleuca</b>	.	0.03	2.28	0.73	.	.
<b>Mixed Rangeland</b>	.	.	.	.	.	0.02
<b>Pine Flatwoods</b>	11.16	3.61	6.10	2.75	3.24	2.33
<b>Upland Hardwood Forests</b>	.	.	0.71	0.70	0.71	0.71
<b>Upland forests</b>	8.33	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	27.17	26.21	23.70	27.87	29.15	30.37
<b>Commercial and Services</b>	2.09	.	6.46	10.12	14.74	14.80
<b>Educational Facilities</b>	0.85	1.04	2.34	2.54	2.46	2.47
<b>Fixed Single Family Units</b>	21.77	32.34	26.88	23.20	24.65	24.74
<b>Golf Course</b>	.	9.81	8.54	9.28	8.96	9.05
<b>Inactive Land with Street Patter</b>	1.61	1.18	1.55	.	.	.
<b>Industrial</b>	7.35	.	.	.	.	.

(Continued)



**Collier County Land Use Summary  
1988-2012**

basin\_1=ROCK CREEK

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Institutional</b>	1.34	.	0.16	0.18	0.17	0.17
<b>Marinas and Fish Camps</b>	.	.	0.17	0.19	0.18	0.18
<b>Mobile Home Units</b>	2.23	.	2.56	2.75	2.72	2.73
<b>Open Land</b>	1.19	.	0.28	0.37	0.42	0.42
<b>Other Light Industry</b>	.	12.59	8.61	9.05	4.22	4.24
<b>Retail Sales and Services</b>	1.76	0.40	.	.	.	.
<b>Roads and Highways</b>	.	2.40	2.44	2.64	2.56	2.57
<b>Solid Waste Disposal</b>	0.59	.	.	.	.	.
<b>Urban and Builtup</b>	10.31	.	.	.	.	.

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Freshwater Marshes / Graminoid P</b>	.	.	0.16	0.51	0.17	0.17
<b>Mangrove Swamp</b>	.	2.39	2.38	2.58	2.50	2.51
<b>Mixed Wetland Hardwoods</b>	.	.	1.15	1.24	.	.
<b>Wetland Forested Mixed</b>	.	.	.	.	1.20	1.21
<b>Wetland Hardwood Forests</b>	2.24	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (COASTAL SE

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	1.46	.	.	.	.	.
<b>Field Crops</b>	.	0.26	.	.	.	.
<b>Improved Pastures</b>	2.42	0.41	.	.	0.52	0.52
<b>Mixed Crops</b>	0.95	.	.	.	.	.
<b>Ornamentals</b>	.	.	0.04	0.04	0.04	0.04
<b>Other Groves</b>	.	.	0.08	.	.	.
<b>Unimproved Pastures</b>	.	0.62	.	.	.	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Australian Pine</b>	0.01	1.12	0.30	0.27	0.22	0.20
<b>Brazilian Pepper</b>	.	0.36	2.85	0.80	0.05	0.20
<b>Cabbage Palm</b>	.	.	0.02	0.02	0.33	0.33
<b>Melaleuca</b>	.	0.24	0.04	0.03	.	.
<b>Mixed Rangeland</b>	0.34	.	0.06	0.24	.	.
<b>Pine Flatwoods</b>	5.60	3.50	1.99	2.02	2.54	2.60
<b>Sand Pine</b>	.	.	.	.	0.01	0.01

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (COASTAL SE)

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Spoil Areas</b>	0.06	0.84	0.38	0.09	0.08	0.08
<b>Upland Hardwood Forests</b>	.	.	1.33	1.35	1.27	1.25
<b>Upland forests</b>	4.09	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.20	0.23	0.22	0.23	0.22	0.28
<b>Commercial and Services</b>	.	.	0.31	0.27	0.31	0.22
<b>Communications</b>	.	.	0.05	0.05	0.05	0.05
<b>Educational Facilities</b>	.	0.06	0.17	0.18	0.17	0.17
<b>Electrical Power Facilities</b>	0.02	0.02	.	.	.	.
<b>Extractive</b>	0.04	.	.	.	.	.
<b>Fixed Single Family Units</b>	2.25	2.23	1.39	2.04	1.92	1.86
<b>Golf Course</b>	1.03	1.58	1.48	2.32	2.89	2.89
<b>Inactive Land with Street Patter</b>	0.16	0.50	0.31	0.12	.	0.88
<b>Industrial</b>	0.04	.	.	.	.	.
<b>Institutional</b>	0.01	.	0.02	0.07	0.09	0.13

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (COASTAL SE

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Marinas and Fish Camps</b>	0.01	0.02	.	.	.	.
<b>Mobile Home Units</b>	1.83	.	2.09	2.33	0.95	0.79
<b>Open Land</b>	0.01	.	0.05	0.37	1.11	0.72
<b>Other Light Industry</b>	.	.	0.02	.	.	.
<b>Parks and Zoos</b>	.	.	0.04	0.11	0.11	0.24
<b>Recreational</b>	.	.	.	.	.	0.04
<b>Retail Sales and Services</b>	0.06	0.05	.	.	.	.
<b>Roads and Highways</b>	.	0.23	0.44	0.45	0.44	0.44
<b>Sewage Treatment</b>	.	.	.	.	0.04	0.04
<b>Shopping Centers</b>	.	.	0.08	0.08	0.09	0.09
<b>Solid Waste Disposal</b>	.	.	.	.	.	0.11
<b>Swimming Beach</b>	0.33	.	0.30	0.37	0.38	0.38
<b>Urban and Builtup</b>	0.29	.	.	.	.	.
<b>Wholesale Sales &amp; Services - Jun</b>	0.10	.	0.07	0.07	0.05	0.05

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (COASTAL SE

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	.	0.12	0.19	0.19	0.17	0.17
<b>Cypress- Domes/Heads</b>	1.75	.	0.01	0.01	0.01	0.01
<b>Emergent Aquatic Vegetation</b>	.	.	0.02	.	.	.
<b>Freshwater Marshes / Graminoid P</b>	.	0.67	2.31	2.34	1.05	0.92
<b>Mangrove Swamp</b>	.	80.17	55.31	58.58	60.69	61.31
<b>Mixed Wetland Hardwoods</b>	.	.	0.73	0.74	0.72	0.72
<b>Saltwater Marshes / Halophytic H</b>	7.57	6.50	22.43	19.96	18.82	17.70
<b>Wet Melaleuca</b>	.	.	0.50	0.28	0.41	0.43
<b>Wet Pinelands Hydric Pine</b>	.	.	3.60	3.23	1.96	1.87
<b>Wetland Forested Mixed</b>	0.28	0.28	0.76	0.75	2.29	2.27
<b>Wetland Hardwood Forests</b>	69.08	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND EAS

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Aquaculture</b>	.	0.15	0.11	0.11	0.12	0.12
<b>Citrus Groves</b>	1.21	0.69	0.01	.	.	.
<b>Field Crops</b>	.	.	0.15	0.04	.	.
<b>Horse Farms</b>	.	.	.	.	0.04	0.04
<b>Improved Pastures</b>	3.53	7.93	0.48	0.53	0.38	0.48
<b>Mixed Crops</b>	12.14	.	.	.	.	.
<b>Ornamentals</b>	0.07	0.66	0.49	0.65	1.05	1.06
<b>Other Groves</b>	.	.	0.45	0.45	0.48	0.47
<b>Poultry Feeding Operations</b>	.	.	.	.	0.05	0.05
<b>Unimproved Pastures</b>	.	6.10	0.02	.	0.05	0.03

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.52	0.44	0.26	0.12	0.02
<b>Cabbage Palm</b>	.	.	0.30	0.31	0.32	0.32
<b>Melaleuca</b>	.	1.95	.	.	3.44	1.59
<b>Mixed Rangeland</b>	0.16	.	0.13	0.42	0.46	2.59

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND EAS

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Pine Flatwoods</b>	9.62	10.13	13.70	13.49	21.10	20.91
<b>Spoil Areas</b>	.	0.49	0.20	.	0.14	0.25
<b>Upland forests</b>	25.21	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Commercial and Services</b>	.	.	0.18	0.33	0.78	0.79
<b>Communications</b>	.	.	0.06	0.05	0.06	0.06
<b>Educational Facilities</b>	.	0.25	0.17	0.15	0.16	0.16
<b>Electrical Power Facilities</b>	.	.	.	.	0.03	0.03
<b>Extractive</b>	0.56	.	.	.	.	.
<b>Fixed Single Family Units</b>	3.89	3.50	0.86	1.26	1.44	1.63
<b>Golf Course</b>	0.27	0.58	0.59	1.16	1.09	1.08
<b>Grass Airports</b>	0.02	.	.	.	.	.
<b>Inactive Land with Street Patter</b>	0.84	0.50	0.51	0.31	.	0.16
<b>Industrial</b>	0.24	.	.	.	.	.
<b>Institutional</b>	.	.	0.06	0.06	0.45	0.45

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND EAS

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mobile Home Units</b>	0.56	.	0.68	0.85	0.62	0.62
<b>Open Land</b>	0.07	.	0.09	0.41	1.52	1.24
<b>Other Light Industry</b>	.	.	0.13	0.06	0.03	0.03
<b>Parks and Zoos</b>	.	.	0.03	0.03	0.33	0.33
<b>Race Tracks</b>	0.03	0.46	0.26	0.28	.	.
<b>Retail Sales and Services</b>	0.00	0.17	.	.	.	.
<b>Roads and Highways</b>	0.51	1.16	0.78	0.82	0.87	0.87
<b>Sewage Treatment</b>	.	.	0.04	.	.	.
<b>Shopping Centers</b>	.	.	.	.	0.10	0.10
<b>Solid Waste Disposal</b>	.	0.82	0.60	0.65	0.69	0.65
<b>Wholesale Sales &amp; Services - Jun</b>	.	0.09	0.06	0.01	.	.



**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND EAS

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	11.33	52.06	26.80	27.89	29.49	29.11
<b>Cypress- Domes/Heads</b>	8.57	.	0.17	0.18	0.21	0.33
<b>Emergent Aquatic Vegetation</b>	.	.	0.07	0.13	0.03	0.03
<b>Freshwater Marshes / Graminoid P</b>	0.86	0.12	0.46	0.54	2.43	2.80
<b>Mangrove Swamp</b>	.	0.25	0.18	0.19	0.20	0.19
<b>Mixed Wetland Hardwoods</b>	.	0.10	4.11	4.10	2.46	1.72
<b>Saltwater Marshes / Halophytic H</b>	0.36	0.51	0.23	0.24	0.25	0.26
<b>Wet Melaleuca</b>	.	.	1.75	1.35	0.26	0.26
<b>Wet Pinelands Hydric Pine</b>	.	.	43.00	41.03	26.96	26.46
<b>Wetland Forested Mixed</b>	19.55	10.80	1.63	1.68	1.77	2.72
<b>Wetland Hardwood Forests</b>	0.40	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND WES)

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Improved Pastures</b>	4.36	0.15	.	.	.	.
<b>Mixed Crops</b>	1.73	.	.	.	.	.
<b>Ornamentals</b>	0.30	0.00	0.10	0.11	0.12	0.12
<b>Other Groves</b>	.	0.66	.	.	.	.

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.54	0.49	0.59	0.05	0.05
<b>Cabbage Palm</b>	.	.	0.39	0.41	0.47	0.47
<b>Melaleuca</b>	.	14.87	0.96	0.69	1.09	1.09
<b>Mixed Rangeland</b>	0.00	.	0.22	0.21	0.70	1.27
<b>Pine Flatwoods</b>	19.48	7.95	6.61	5.63	16.75	15.23
<b>Spoil Areas</b>	.	0.36	1.01	0.05	.	.
<b>Upland Hardwood Forests</b>	.	.	.	.	0.26	0.26
<b>Upland forests</b>	41.54	.	.	.	.	.
<b>Xeric Oak</b>	.	0.51	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND WES)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.36	0.69	.	.	.	.
<b>Commercial and Services</b>	0.03	.	1.22	1.95	2.44	2.82
<b>Communications</b>	.	.	0.03	0.03	0.04	0.04
<b>Educational Facilities</b>	0.37	2.32	1.20	1.24	2.22	2.28
<b>Extractive</b>	0.47	.	.	.	.	.
<b>Fixed Single Family Units</b>	12.71	38.18	19.39	22.14	25.23	26.37
<b>Golf Course</b>	7.13	23.66	15.27	17.41	19.94	19.88
<b>Inactive Land with Street Patter</b>	0.44	1.36	0.00	.	.	.
<b>Industrial</b>	0.04	.	.	.	.	.
<b>Institutional</b>	0.14	.	0.65	1.00	1.29	1.27
<b>Mobile Home Units</b>	2.13	.	1.92	2.03	0.72	0.48
<b>Oil and Gas Storage - not Indust</b>	0.00	.	.	.	.	.
<b>Open Land</b>	0.12	.	0.37	0.61	0.78	0.46
<b>Parks and Zoos</b>	.	.	0.14	0.70	0.89	0.89
<b>Recreational</b>	0.15	.	.	.	.	.
<b>Retail Sales and Services</b>	0.62	0.32	.	.	.	.
<b>Roads and Highways</b>	0.00	4.95	2.93	3.28	4.20	5.05
<b>Sewage Treatment</b>	.	0.48	0.27	0.29	0.33	0.33
<b>Shopping Centers</b>	0.02	0.72	0.87	1.26	1.33	1.40

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=ROOKERY BAY (INLAND WES)

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Urban and Builtup	1.63	.	.	.	.	.
Water Supply Plants - Including	.	.	.	0.02	0.02	0.02

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Cypress	.	1.54	2.96	2.97	3.97	3.91
Cypress- Domes/Heads	.	.	0.09	0.09	0.15	0.14
Emergent Aquatic Vegetation	.	.	0.18	0.06	0.27	0.32
Freshwater Marshes / Graminoid P	0.41	0.16	1.40	1.66	1.15	1.06
Mangrove Swamp	.	0.11	0.01	0.01	0.05	0.05
Mixed Wetland Hardwoods	.	.	1.46	1.46	0.42	0.29
Saltwater Marshes / Halophytic H	0.65	0.09	0.12	0.13	0.34	0.33
Wet Melaleuca	.	.	9.59	7.72	1.90	1.90
Wet Pinelands Hydric Pine	.	.	25.37	21.90	10.03	9.45
Wetland Forested Mixed	.	0.39	4.79	4.36	2.85	2.78
Wetland Hardwood Forests	5.16	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=SILVER STRAND

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	16.73	42.36	39.52	42.81	42.19	42.83
<b>Field Crops</b>	.	.	0.02	.	1.80	0.13
<b>Horse Farms</b>	.	.	.	.	0.04	0.05
<b>Improved Pastures</b>	28.93	16.11	21.15	18.97	18.06	18.56
<b>Mixed Crops</b>	16.49	.	.	.	.	.
<b>Ornamentals</b>	.	0.06	0.37	0.36	0.25	0.26
<b>Other Groves</b>	.	0.40	.	.	0.35	0.37
<b>Sod Farms</b>	.	0.09	.	.	.	.
<b>Unimproved Pastures</b>	0.44	1.66	5.65	5.42	5.38	4.16

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.43	1.22	0.77	0.44	0.51
<b>Cabbage Palm</b>	.	0.19	0.26	0.25	0.21	0.22
<b>Levees</b>	.	.	.	0.89	.	.
<b>Live Oak</b>	.	0.03	.	.	.	.
<b>Melaleuca</b>	.	0.17	0.15	0.10	0.10	0.11

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=SILVER STRAND

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mixed Rangeland</b>	1.20	0.92	0.11	0.14	0.77	1.05
<b>Oak - Cabbage Palm Forests</b>	.	.	0.32	0.32	0.33	0.34
<b>Pine Flatwoods</b>	4.70	9.41	3.34	3.31	3.18	3.30
<b>Spoil Areas</b>	0.14	0.02	0.95	0.12	0.16	0.17
<b>Upland Hardwood Forests</b>	.	.	0.05	0.04	0.05	0.34
<b>Upland forests</b>	3.75	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.57	0.94	1.00	1.02	1.10	1.13
<b>Commercial and Services</b>	.	.	0.01	0.06	0.09	0.12
<b>Communications</b>	.	.	0.04	0.04	0.04	0.04
<b>Correctional</b>	0.02	.	.	.	.	.
<b>Educational Facilities</b>	.	0.06	0.10	0.10	0.10	0.10
<b>Extractive</b>	1.83	.	.	.	.	.
<b>Fixed Single Family Units</b>	0.37	1.13	0.23	0.21	0.21	0.21
<b>Inactive Land with Street Patter</b>	.	0.06	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=SILVER STRAND

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Industrial</b>	0.07	.	.	.	.	.
<b>Institutional</b>	.	.	0.07	0.07	.	.
<b>Mobile Home Units</b>	0.05	.	0.08	.	.	.
<b>Open Land</b>	0.24	.	.	.	.	0.01
<b>Other Heavy Industrial</b>	.	.	.	.	.	0.06
<b>Other Light Industry</b>	.	0.23	0.27	0.44	0.37	0.40
<b>Parks and Zoos</b>	.	.	0.08	0.08	0.08	0.09
<b>Recreational</b>	0.03	.	.	.	.	.
<b>Retail Sales and Services</b>	0.01	.	.	.	.	.
<b>Roads and Highways</b>	.	0.73	.	.	.	.
<b>Shopping Centers</b>	.	0.03	.	.	.	.
<b>Solid Waste Disposal</b>	.	.	0.26	0.26	0.27	0.28
<b>Urban and Builtup</b>	0.07	.	.	.	.	.
<b>Water Supply Plants - Including</b>	.	.	.	.	0.04	0.04
<b>Wholesale Sales &amp; Services - Jun</b>	.	.	.	0.01	0.01	0.01

**Collier County Land Use Summary  
1988-2012**

basin\_1=SILVER STRAND

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	10.91	9.82	6.61	6.52	6.61	6.80
<b>Cypress- Domes/Heads</b>	0.23	.	4.38	4.37	4.53	4.68
<b>Emergent Aquatic Vegetation</b>	.	0.14	0.34	0.45	0.27	0.13
<b>Freshwater Marshes / Graminoid P</b>	1.37	5.99	8.72	8.12	7.69	7.95
<b>Mixed Wetland Hardwoods</b>	.	0.36	3.08	3.09	3.21	3.31
<b>Saltwater Marshes / Halophytic H</b>	.	0.00	.	.	.	.
<b>Wet Melaleuca</b>	0.01	.	0.09	0.10	0.01	.
<b>Wet Pinelands Hydric Pine</b>	7.65	.	0.73	0.73	0.46	0.57
<b>Wetland Forested Mixed</b>	4.20	8.65	0.82	0.83	1.62	1.68



**Collier County Land Use Summary  
1988-2012**

basin\_1=TAMIAMI CANAL

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Cattle Feeding Operations	.	0.00	0.01	0.01	.	.
Citrus Groves	0.35	1.81	1.50	0.81	1.06	0.52
Dairies	0.00	.	.	.	.	.
Field Crops	.	0.02	.	.	0.10	0.31
Horse Farms	.	0.01	.	.	.	.
Improved Pastures	2.28	1.80	2.54	2.74	2.77	1.41
Mixed Crops	0.19	.	.	.	.	.
Ornamentals	.	0.00	.	.	0.01	0.01
Sod Farms	.	0.03	.	.	.	.
Unimproved Pastures	0.12	1.73	0.36	0.46	0.80	0.55

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Brazilian Pepper	.	0.01	0.01	0.01	0.01	0.01
Cabbage Palm	0.05	0.01	0.13	0.13	0.52	0.43
Levees	.	.	.	0.05	.	.
Live Oak	.	0.01	0.01	0.01	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=TAMIAMI CANAL

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
Melaleuca	.	0.20	.	.	.	.
Mixed Rangeland	0.64	1.42	0.01	0.07	0.05	0.05
Oak - Cabbage Palm Forests	.	.	0.53	0.54	0.75	0.61
Pine - Mesic Oak	.	0.00	.	.	.	.
Pine Flatwoods	0.07	13.95	6.49	6.53	9.70	7.92
Spoil Areas	.	0.14	0.08	0.02	0.03	0.02
Upland Coniferous Forests	.	.	0.00	0.00	.	.
Upland Hardwood Forests	.	.	0.69	0.72	0.82	0.71
Upland forests	2.61	.	.	.	.	.
Xeric Oak	.	0.00	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
Airports	0.17	0.33	0.10	0.10	0.14	0.11
Commercial and Services	0.00	.	0.03	0.03	0.03	0.02
Communications	0.00	.	.	.	.	.
Extractive	0.00	.	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=TAMIAMI CANAL

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Fixed Single Family Units</b>	0.09	0.04	0.01	0.01	0.00	0.00
<b>Grass Airports</b>	0.01	.	0.01	0.01	0.01	0.01
<b>Inactive Land with Street Patter</b>	0.08	0.01	0.01	0.01	.	.
<b>Institutional</b>	0.01	.	.	.	.	0.01
<b>Mobile Home Units</b>	0.00	.	0.00	0.00	.	.
<b>Oil and Gas Storage - not Indust</b>	0.02	.	0.00	0.00	0.00	0.00
<b>Open Land</b>	0.01	.	.	.	0.00	0.00
<b>Other Light Industry</b>	.	.	0.00	0.00	0.00	0.00
<b>Parks and Zoos</b>	.	0.00	.	0.00	0.00	0.00
<b>Recreational</b>	0.00	.	.	0.00	.	.
<b>Retail Sales and Services</b>	0.01	.	.	.	.	.
<b>Roads and Highways</b>	0.10	0.14	0.14	0.14	0.18	0.15
<b>Urban and Builtup</b>	0.00	.	.	.	.	.
<b>Wholesale Sales &amp; Services - Jun</b>	0.00	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=TAMIAMI CANAL

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	9.12	42.64	27.55	27.60	36.24	34.09
<b>Cypress- Domes/Heads</b>	52.24	.	12.26	12.30	10.90	8.86
<b>Emergent Aquatic Vegetation</b>	0.27	0.01	0.15	0.15	0.02	0.01
<b>Freshwater Marshes - Sawgrass</b>	0.19	0.16	27.38	27.45	0.38	24.27
<b>Freshwater Marshes / Graminoid P</b>	20.77	23.88	5.59	5.68	22.92	7.88
<b>Mangrove Swamp</b>	.	0.03	0.04	0.05	0.04	0.06
<b>Mixed Wetland Hardwoods</b>	0.58	0.39	3.12	3.10	3.62	3.15
<b>Saltwater Marshes / Halophytic H</b>	0.05	0.12	0.03	0.03	0.17	0.21
<b>Wet Melaleuca</b>	0.01	.	0.01	0.01	.	.
<b>Wet Pinelands Hydric Pine</b>	6.34	.	11.04	11.04	7.89	7.87
<b>Wetland Forested Mixed</b>	3.15	11.10	0.18	0.18	0.82	0.77
<b>Wetland Hardwood Forests</b>	0.02	.	0.00	0.00	.	.
<b>Wetlands</b>	0.45	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=TEN THOUSAND ISLANDS

**Agriculture**

	Percent composition
	2008
Land Use	
Improved Pastures	0.01

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
Land Use						
Australian Pine	.	.	.	.	.	0.01
Brazilian Pepper	0.01	.	.	.	.	.
Cabbage Palm	.	.	0.16	0.17	0.02	0.02
Mixed Rangeland	0.03	.	0.03	0.03	.	.
Spoil Areas	.	0.15	0.03	0.03	0.07	0.07
Upland Hardwood Forests	.	.	0.20	0.20	0.05	0.04
Upland forests	0.08	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=TEN THOUSAND ISLANDS

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	0.06	0.05	0.03	0.03	0.03	0.03
<b>Commercial and Services</b>	0.02	.	0.16	0.16	0.14	0.14
<b>Communications</b>	.	.	0.01	0.01	0.01	0.01
<b>Educational Facilities</b>	0.01	.	0.02	0.02	0.02	0.02
<b>Electrical Power Facilities</b>	0.00	.	.	.	.	.
<b>Fixed Single Family Units</b>	0.21	0.08	0.22	0.23	0.20	0.21
<b>Inactive Land with Street Patter</b>	0.12	0.05	0.02	0.02	.	.
<b>Institutional</b>	0.02	.	0.02	0.02	0.02	0.02
<b>Marinas and Fish Camps</b>	0.02	0.01	.	.	.	.
<b>Mobile Home Units</b>	0.12	.	0.16	0.17	0.06	0.06
<b>Open Land</b>	0.29	.	0.03	0.03	0.06	0.05
<b>Other Light Industry</b>	.	.	0.00	0.00	.	.
<b>Parks and Zoos</b>	0.02	.	0.03	0.03	0.03	0.03
<b>Recreational</b>	0.03	.	.	.	.	.
<b>Retail Sales and Services</b>	0.05	.	.	.	.	.
<b>Roads and Highways</b>	0.07	0.07	.	.	.	.
<b>Sewage Treatment</b>	0.00	.	.	.	0.00	0.00
<b>Swimming Beach</b>	0.19	.	.	.	.	.
<b>Urban and Builtup</b>	0.00	.	.	.	.	.
<b>Water Supply Plants - Including</b>	0.00	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=TEN THOUSAND ISLANDS

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	0.44	0.00	1.05	1.07	1.02	1.03
<b>Cypress- Domes/Heads</b>	12.65	.	0.01	0.01	0.01	0.01
<b>Emergent Aquatic Vegetation</b>	3.62	.	0.01	0.01	.	.
<b>Freshwater Marshes - Sawgrass</b>	.	.	11.08	11.32	0.51	9.58
<b>Freshwater Marshes / Graminoid P</b>	1.54	12.71	2.61	2.56	9.28	0.21
<b>Mangrove Swamp</b>	.	72.51	71.54	70.72	71.15	71.15
<b>Mixed Wetland Hardwoods</b>	.	.	0.18	0.18	0.20	0.19
<b>Saltwater Marshes / Halophytic H</b>	10.21	13.28	12.39	12.96	16.97	16.98
<b>Wet Pinelands Hydric Pine</b>	.	.	0.01	0.01	0.04	0.04
<b>Wetland Forested Mixed</b>	0.54	1.08	0.02	0.02	0.10	0.10
<b>Wetland Hardwood Forests</b>	69.62	.	.	.	.	.

**Collier County Land Use Summary  
1988-2012**

basin\_1=TOWNSEND CANAL

**Agriculture**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Citrus Groves</b>	37.80	66.85	67.67	66.71	67.15	59.14
<b>Field Crops</b>	.	.	0.33	2.23	1.86	5.24
<b>Horse Farms</b>	.	.	.	0.14	0.14	0.15
<b>Improved Pastures</b>	33.92	20.34	10.80	19.33	20.45	24.05
<b>Mixed Crops</b>	8.39	.	.	.	.	.
<b>Ornamentals</b>	.	.	.	.	0.05	0.06
<b>Other Groves</b>	.	0.03	0.02	0.02	0.01	0.01
<b>Sod Farms</b>	0.22	.	.	.	.	.
<b>Unimproved Pastures</b>	10.04	2.48	12.75	3.84	3.71	3.26

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Brazilian Pepper</b>	.	0.10	0.47	0.24	0.25	0.27
<b>Cabbage Palm</b>	0.00	.	.	.	0.09	.
<b>Levees</b>	0.69	.	.	0.33	.	.
<b>Live Oak</b>	.	0.02	0.08	0.08	0.01	0.02
<b>Melaleuca</b>	.	0.03	0.03	0.03	.	.

(Continued)



**Collier County Land Use Summary  
1988-2012**

basin\_1=TOWNSEND CANAL

**Uplands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Mixed Rangeland</b>	0.57	0.53	.	.	0.05	0.08
<b>Oak - Cabbage Palm Forests</b>	.	.	0.07	0.06	0.07	0.07
<b>Pine Flatwoods</b>	3.37	2.42	0.78	0.35	0.28	0.88
<b>Spoil Areas</b>	.	0.27	0.32	.	0.09	0.09
<b>Upland Hardwood Forests</b>	.	.	0.21	0.13	0.05	0.05
<b>Upland Mixed Forests</b>	0.19	.	.	.	.	.

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Airports</b>	.	0.06	.	.	.	.
<b>Cemeteries</b>	.	0.00	.	.	.	.
<b>Commercial and Services</b>	.	.	0.19	0.22	0.16	0.17
<b>Communications</b>	.	.	0.01	0.01	0.01	0.01
<b>Electrical Power Facilities</b>	0.02	.	.	.	.	.
<b>Fixed Single Family Units</b>	0.72	0.46	0.04	0.05	0.03	0.03
<b>Grass Airports</b>	.	.	0.06	0.06	0.06	0.06
<b>Inactive Land with Street Patter</b>	0.01	.	.	.	.	.

(Continued)

**Collier County Land Use Summary  
1988-2012**

basin\_1=TOWNSEND CANAL

**Urban and Built-up**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Industrial</b>	0.27	.	.	.	.	.
<b>Institutional</b>	.	.	0.01	0.01	0.01	0.01
<b>Mobile Home Units</b>	0.02	.	0.02	0.02	.	.
<b>Oil and Gas Storage - not Indust</b>	0.01	.	.	.	.	.
<b>Retail Sales and Services</b>	.	0.12	.	.	.	.
<b>Roads and Highways</b>	.	.	.	0.02	0.02	0.02
<b>Wholesale Sales &amp; Services - Jun</b>	.	.	.	.	0.05	0.06

**Wetlands**

	Percent composition					
	1988	1995	1999	2005	2008	2012
<b>Land Use</b>						
<b>Cypress</b>	0.43	0.57	0.10	0.11	0.12	0.12
<b>Cypress- Domes/Heads</b>	.	.	0.32	0.32	0.32	0.37
<b>Emergent Aquatic Vegetation</b>	.	.	0.06	0.05	0.07	0.07
<b>Freshwater Marshes / Graminoid P</b>	2.41	5.49	4.93	4.93	4.31	5.03
<b>Mixed Wetland Hardwoods</b>	.	0.14	0.02	0.02	0.02	0.03
<b>Wet Pinelands Hydric Pine</b>	0.77	.	0.69	0.65	0.57	0.62
<b>Wetland Forested Mixed</b>	0.15	0.11	0.02	0.02	0.02	0.02