





The CCB: Working Together

Our Environment

Broward County's environment is rich in natural resources: the Everglades, miles of beaches, an abundance of fish and wildlife, as well as beautiful places to grow up, retire to and visit.

We have come a long way toward understanding the delicate balance between living and the environment in which we live. Industry, development and a growing population are placing increasing demands on our air, water, land and wildlife. To manage these resources wisely, we must have full knowledge of the immediate and long-term impact of our actions. At the same time, we must examine how our lifestyles and behaviors affect the natural environment, so that the resources we enjoy and depend on today will be here for future generations.

CRITICAL BENCHMARKS

	6.1	AIR QUALITY		6.4	WATER USE
	6.2	GROUNDWATER QUALITY		6.5	WILDLIFE HABITAT
	6.3	SURFACE WATER QUALITY		6.7	COASTLINE

Protecting our air and water

		TRENDS				GOALS	
6.1	AIR QUALITY	FL1999	1997	1998	1999	2005	2010
6.1.1	State of the Air Quality: Percentage of days when the outdoor air quality was good. a) As calculated through 1998 b) As calculated starting 1999	not available not available	81% not available	76% not available	not available 94%	95%	96%
6.1.2	Fleet of alternative fuel vehicles: The number of vehicles in government fleets using alternative fuels.	not available	795	775	1,068		
6.2	GROUNDWATER QUALITY	FL1999	1991	1996	1999	2005	2010
6.2.1	Quality of groundwater: The percentage of sites where pollutants threatened to contaminate drinking water supplies, that had been cleaned up to State standards.	not available	0.3%	13.6%	26.6%		99.0%
6.3	SURFACE WATER QUALITY		1997	1998	1999	2005	2010
6.3.1	Quality of fresh water streams: Percent improvement in water quality at the fresh water monitoring sites located along the C-13 Canal from 1995 conditions (+ sign indicates improvement).	not applicable	+12.3%	+6.7%	+7.2%	+8.0%	+10.0%
6.3.2	Quality of marine water: Percent improvement in water quality at the tidal water monitoring sites affected by discharges from the C-13 and C-14 Canals from 1995 conditions (+ sign indicates improvement).	not applicable	+0.8%	-15.1%	-3.4%	+6.0%	+7.0%

Protecting our air and water *continued*

		TRENDS				GOALS	
6.3	SURFACE WATER QUALITY <small>CONTINUED</small>	FL1999	1997	1998	1999	2005	2010
6.3.3	Quality of marine bathing water, from a bacteriological standpoint: Percentage of beach water quality test results rated as "Good".	not available	not available	not available	90.0%	94%	96%
6.4	WATER USE	FL1995	1985	1990	1995	2005	2020
6.4.1	Water Consumption: Gallons per day of per capita municipal water consumption.	not available	not available	207 ¹	157 ²		152
6.4	WATER USE <small>CONTINUED</small>		1980-85	1985-90	1990-95	2005	2010
6.4.2	Water Use Restrictions: Percentage of time over a 5-year period under water-use restriction.						
	a) Service Area 1 (North Broward and Lower Palm Beach)	not applicable	not available	not available	10%		37%
	b) Service Area 2 (Central and South Broward)	not applicable	not available	not available	10%		29%

Preserving our land and wildlife

		TRENDS			GOALS	
6.5	WILDLIFE HABITAT	1990	1997	1999	2005	2010
6.5.1	Natural resource land in managed areas east of conservation area levees (acres):					
	a) Environmentally-sensitive lands purchased by Broward County	not applicable	not available	970		
	b) County-managed regional parks	not applicable	not available	3,500		
	c) State recreation areas	not applicable	not available	431		
	d) Water preserve areas	not applicable	not available	12,200		
	e) Conservation easements (managed by public or private entities)	not applicable	not available	not available		
	f) Water bodies	not applicable	not available	not available		
	g) Developable land	not applicable	not available	not available		
	h) Total area of natural areas in Broward County	not applicable	not available	not available		
6.5.2	Total tree canopy coverage in Broward County, east of Conservation Areas		To be included in future edition			
6.5	WILDLIFE HABITAT CONTINUED	1995	1998	2000	2005	2010
6.5.3	Conservation and recreational lands					
	a) Protected land (acres)					
	1) Conservation and passive recreational land	not applicable	not available	not available		
	2) Active recreational land	not applicable	not available	not available		
	3) Other protected land	not applicable	not available	not available		
	4) East Coast Buffer	not applicable	not available	not available		
	b) Unprotected land (acres)					
	1) Proposed fee simple	not applicable	not available	not available		
	2) Potential open space	not applicable	not available	not available		
	3) Potential property development rights agreements	not applicable	not available	not available		
	4) Potential management agreements	not applicable	not available	not available		
	5) Listed East Coast Buffer	not applicable	not available	not available		

Preserving our land and wildlife *continued*

6.6 THREATENED AND ENDANGERED SPECIES		1993	1996	1999	2002	2010	
6.6.1 Manatee population:							
a) Broward County West Indian Manatee Mortality		4	6	9	0		
b) Florida West Indian Manatee Population		not available	2,639	2,034	2,200		
6.6 THREATENED AND ENDANGERED SPECIES CONTINUED		FL 1999	1997	1998	1999	2005	2010
6.6.2 Sea Turtle Survey:							
a) Number of nests		not available	2,288	2,857	2,620		
b) Percent of surveyed nests							
1) left <i>in-situ</i>		not available	25.4%	31.1%	28.5%		
2) relocated to open beach hatcheries		not available	61.5%	59.2%	60.8%		
3) relocated to enclosed hatchery		not available	13.2%	9.7%	10.3%		
c) Number of hatchlings released		not available	16,434	14,208	17,767		
6.7 COASTLINE		FL 1999	1996	1998	1999	2003	2010
6.7.1 Beach adequacy:							
a) Average beach width at high tide (feet)		not available	209	211	198	225	
b) Total beach acreage		not available	608	615	489	655	
c) Linear footage of critically eroded beach							
1) Segment I (North County Line to Hillsboro Inlet)		not applicable	4,000	1,000	0	0	
2) Segment II (Hillsboro Inlet to Port Everglades)		not applicable	4,000	7,000	4,000	0	
3) Segment III (Port Everglades to South County Line)		not applicable	8,000	9,000	16,000	0	
4) Total		not applicable	16,000	17,000	20,000	0	

Preserving our land and wildlife *continued*

6.8 CORAL REEFS		TRENDS				GOALS	
		FL1999	1997	1998	1999	2003	2010
6.8.1 Coral reef health:							
a) Average stony coral diversity indices - First Reef							
1) Diversity of live coral polyp coverage	not available	0.995	1.042	0.826	1.020		
2) Diversity of numbers of individuals per species	not available	1.147	1.166	0.895	1.155		
3) Evenness in distribution of live coral polyp coverage	not available	0.525	0.512	0.548	0.520		
4) Evenness in distribution of numbers of individuals per species	not available	0.606	0.588	0.565	0.590		
b) Average stony coral diversity indices - Second Reef							
1) Diversity of live coral polyp coverage	not available	1.744	1.781	1.766	1.760		
2) Diversity of numbers of individuals per species	not available	2.121	2.116	2.071	2.130		
3) Evenness in distribution of live coral polyp coverage	not available	0.702	0.692	0.722	0.695		
4) Evenness in distribution of numbers of individuals per species	not available	0.853	0.815	0.844	0.835		
c) Average stony coral diversity indices - Third Reef							
1) Diversity of live coral polyp coverage	not available	1.845	1.833	1.824	1.760		
2) Diversity of numbers of individuals per species	not available	2.040	2.065	2.045	2.130		
3) Evenness in distribution of live coral polyp coverage	not available	0.793	0.768	0.757	0.695		
4) Evenness in distribution of numbers of individuals per species	not available	0.878	0.860	0.858	0.835		

Being part of the solution

		TRENDS				GOALS	
6.9	ENERGY USE	FL1999	1997	1998	1999	2005	2010
6.9.1	Energy consumption						
	a) Kilowatt-hours of total electricity consumption (billions)	not available	14.2	15.1	17.2		
	b) Kilowatt-hours of per capita power consumption	not available	13,040	13,926	13,358		
6.10	WASTE MANAGEMENT	FL1998	1996	1997	1998	2005	2010
6.10.1	Waste production: Tons per year of solid waste produced						
	a) Total (millions)	not available	2.301	2.185	2.291		
	b) Per capita	not available	1.03	1.06	1.13		
6.10.2	Waste management: Percentage of municipal solid waste that was						
	a) recycled	not available	38%	31%	28%		
	b) land-filled	not available	33%	38%	40%		
	c) combusted	not available	30%	31%	32%		