



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**

**6.2 GROUNDWATER QUALITY**

**6.3 SURFACE WATER QUALITY**



**6.4 WATER USE**

**6.5 WILDLIFE HABITAT**

**6.7 COASTLINE**

## Protecting our air and water

		TRENDS			GOALS		
<b>6.1</b>	<b>AIR QUALITY</b>	<b>FL</b>	<b>1985</b>	<b>1990</b>	<b>1995</b>	<b>2000</b>	<b>2010</b>
<b>6.1.1</b>	<b>Days of good air quality:</b> Percentage of days when the outdoor air quality was rated good. a) Broward County b) Florida		72% 73%	82% 71%	83% 76%	90%	90%
<b>6.1</b>	<b>AIR QUALITY</b> CONTINUED	<b>FL</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>2000</b>	<b>2010</b>
<b>6.1.2</b>	<b>Alternative fuel vehicle fleet:</b> The number of alternative fuel vehicles in government and commercial fleets.	not available	374	795	775		
<b>6.2</b>	<b>GROUNDWATER QUALITY</b>	<b>FL</b>	<b>1985</b>	<b>1991</b>	<b>1996</b>	<b>2000</b>	<b>2010</b>
<b>6.2.1</b>	<b>Quality of groundwater:</b> The percentage of sites where pollutants threaten to contaminate drinking water supplies that have been cleaned up to State standards.	not available	not available	0.3%	13.6%	39.7%	99.0%
<b>6.3</b>	<b>SURFACE WATER QUALITY</b>	<b>FL</b>	<b>1985</b>	<b>1990</b>	<b>1995</b>	<b>2000</b>	<b>2010</b>
<b>6.3.1</b>	<b>Quality of fresh surface water:</b> Percentage of miles of monitored fresh surface waters where water quality was rated as good. a) Broward County b) Florida		26% 51%	54% 59%	66% 57%	82% 59%	88% 80%
<b>6.3.2</b>	<b>Quality of marine water:</b> Percentage of miles of monitored marine surface waterways where water quality was rated as good. a) Broward County b) Florida		not available 47%	not available 43%	97% 43%	90% 48%	95% 80%

*Protecting our air and water* continued

		TRENDS			GOALS		
6.3	SURFACE WATER QUALITY CONTINUED	FL	1985	1990	1995	2000	2010
6.3.3	<p><b>Quality of marine bathing water, from a bacteriological standpoint:</b> Percentage of coastal beach water sites monitored where water quality was rated as good.</p> <p>a) Broward County b) Florida</p>		To be included in future edition				
6.4	WATER USE	FL	1985	1990	1997	2000	2010
6.4.1	<p><b>Reuse capacity:</b> Total reuse capacity (in millions of gallons per day) of all domestic wastewater treatment plants which provided reclaimed water for reuse.</p> <p>a) Broward County b) Florida</p>		0.5 362	3.0 526	20 not available		
6.4.2	<p><b>Reclaimed water use:</b> Percentage of domestic wastewater flowing to treatment plants that is reclaimed and reused for beneficial purposes.</p> <p>a) Broward County b) Florida</p>		0.3% not available	2.0% not available	5.3% not available		

## Preserving our land and wildlife

### 6.5 WILDLIFE HABITAT

	TRENDS				GOALS	
	FL	1990	1995	1997	2000	2010
<b>6.5.1 Natural areas:</b>						
a) Environmentally-sensitive lands, acres <sup>1</sup>	not available	not available	not available	971	1,000	
b) Natural areas in regional parks, acres <sup>1,2</sup>	not available	not available	not available	3,500	3,500	
c) State parks, acres	not available	not available	not available	431		
d) Water preserve areas, acres <sup>4</sup>	not available	not available	not available	12,200	12,200	
e) Land under conservation easements, acres	not available	not available	not available	1,266		
f) Private & publicly owned NA not under management, acres	not available	not available	not available	134		
g) Total land and water area in Broward County, acres <sup>3</sup>	not available	not available	not available	781,440		
h) Total area of natural areas in Broward County, acres	not available	not available	not available	498,502		
i) Natural areas as a percentage of total area	not available	not available	not available	64%		
<b>6.5.2 Threatened, endangered and species of special concern.</b>						
a) Number of native plant species that were threatened, endangered or of special concern <sup>4</sup>	not available	not available	not available	34		
b) Number of native animal species that were threatened, endangered or of special concern <sup>1,2,3</sup>	not available	not available	not available	33		
<b>6.6 INVASION OF EXOTIC SPECIES</b>	<b>FL</b>	<b>1987</b>	<b>1990</b>	<b>1997</b>	<b>2000</b>	<b>2010</b>
<b>6.6.1 Coverage:</b> Percentage of natural areas in Broward County covered by exotic species.						
a) City-owned natural areas	not available	not available	not available	not available	1%	
b) County-owned natural areas <sup>1</sup>	not available	not available	not available	50%**	10%	
c) Water conservation areas <sup>2</sup>	not available	not available	not available	18%		
**Exotic species coverage is anywhere from 20 percent to 100 percent of natural areas. Fifty percent is somewhere on the average.						

*Preserving our land and wildlife* continued

		TRENDS			GOALS		
6.6 INVASION OF EXOTIC SPECIES CONTINUED		FL	1987	1990	1997	2000	2010
<b>6.6.2</b>	<b>Percentage of covered natural areas that have been cleared of exotic species.</b>						
a)	City-owned natural areas	not available	not available	not available	99%	99%	
	<u>Coral Springs</u>						
	1) Red Lake Sanctuary (+/- 14 acres) <sup>4</sup>	not applicable	not available	not available	99%	99%	
	2) Sandy Ridge Sanctuary (40 acres) <sup>4</sup>	not applicable	not available	not available	99%	99%	
	3) Pine Flats Preserve (5.66 acres) <sup>4</sup>	not applicable	not available	not available	20%	90%	
b)	County-owned natural areas <sup>1</sup>	not applicable	not available	not available	50%	90%	
c)	Water conservation areas <sup>2,3</sup>						
	1) WCA 2A - 62,737 acres	not applicable	not available	not available	5%		
	2) WCA 2B - 28,267 acres	not applicable	not available	not available	30%		
	3) WCA 3A - 356,891 acres	not applicable	not available	not available	20%		
	4) WCA 3B - 19,552 acres	not applicable	not available	not available	5%		
6.7 COASTLINE		FL	1987	1990	1997	2000	2010
<b>6.7.1</b>	<b>Critically eroding beaches</b>						
a)	Percentage of sandy beaches that were critically eroding	not available	76%	76%	88%	0%	
b)	Percentage of critically eroding beaches that have been renourished and maintained.	not available	66%	66%	62%		
6.8 CORAL REEFS		FL	1985	1990	1997	2000	2010
<b>6.8.1</b>	<b>Coral reefs:</b> Changes in coverage of stony coral, octacorals and sponges from 1997 baseline.	not available	not available	not available	baseline	+10%	

## Being part of the solution

		TRENDS			GOALS		
6.9	ENERGY USE	FL	1985	1990	1997	2000	2010
6.9.1	<b>Electricity</b>						
	a) <b>Electrical energy conservation:</b> Power plant construction (in gigawatt hours) avoided by utilities through customer reductions in energy use.	not available	310	552	878		
	b) <b>Electrical demand reduction:</b> Power plant construction (in megawatt hours) avoided by utilities by shifting demand to off-peak periods.	not available	87	215	472		
	c) <b>Daily household electricity consumption per resident:</b> Average number of kilowatt hours per day consumed per resident for household use.						
	1) Broward County		14	16	18		
	2) Florida		13	15	not available		
	d) <b>Total daily electricity consumption:</b> Total number of kilowatt hours consumed per day (in millions) for						
	1) residential use	not available	16.0	19.9	24.5		
	2) commercial/industrial use	not available	12.8	16.9	19.5		
	3) all uses (including other uses)	not available	29.0	37.0	44.2		
6.9	ENERGY USE CONTINUED	FL	1985	1990	1995	2000	2010
6.9.2	<b>Motor fuel consumption:</b> Average number of gallons of gasoline sold per resident						
	1) Broward County		455	421	470		
	2) Florida		476	474	466		

***Being part of the solution*** *continued*

6.10 WASTE MANAGEMENT	TRENDS				GOALS	
	FL	1990	1993	1995	2000	2010
<b>6.10.1 Waste production:</b> Pounds of municipal solid waste collected per resident per year. a) Broward County b) Florida		2,957 not available	3,194 not available	4,373 not available	3,322	3,322
<b>6.10.2 Waste disposal:</b> Percentage of municipal solid waste that was a) recycled b) land-filled c) combusted	not available not available not available	11% 80% 9%	29% 22% 48%	43% 22% 35%	38% 32% 30%	38% 32% 30%