









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 (PROJECTIONS)	
		1999	2000	2001	2002	2005	2010
6.1	AIR QUALITY						
6.1.1	State of the Air Quality: Percentage of days when the outdoor air quality was good.	94%	97%	91%	92%	95%	96%
6.1	AIR QUALITY CONTINUED	1998	1999	2000	2001	2005	2010
6.1.2	Fleet of alternative fuel vehicles: The number of vehicles in government fleets using alternative fuels.	775	1,360	1,631	1,801		
6.1.3	Roadway capacity: The percentage of roadway segments operating below the designated level of service standard ("D").	19.9%	24.7%	26.9%	29.0%		
6.2	GROUNDWATER QUALITY	1998	1999	2000	2001	2006	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.	24.3%	26.6%	28.5%	32.2%	61.0%	99.0%
6.3	SURFACE WATER QUALITY	1999	2000	2001	2002	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).	+2.9%	+8.6%	+6.8%	+8.8%	+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).	-2.5%	0.0%	+14.3%	+1.6%	+6.0%	+7.0%

Protecting our air and water continued

		TRENDS				GOALS (PROJECTIONS)	
6.3	SURFACE WATER QUALITY CONTINUED	1999	2000	2001	2002	2005	2010
6.3.3	Quality of marine bathing water, from a bacteriological standpoint: Percentage of beach water quality test results rated as "Good".	90.0%	92.0%	98.7%	96.1%	94%	96%
6.4	WATER USE	1999	2000	2001	2002	2005	2020
6.4.1	Water Consumption: Gallons per day of per capita municipal water consumption.	142.4	145.1	129.7	142.2		152
6.4	WATER USE CONTINUED	1980-85	1985-90	1990-95	1995-00	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 Available	Not Available	10%	Not Available		37%
	b) Service Area 2 (Central and South Broward)	Not Available	Not Available	10%	Not Available		29%

Preserving our land and wildlife

		TRENDS				GOALS (PROJECTIONS)	
		1997	1998	1999	2000	2005	2010
6.5	WILDLIFE HABITAT						
6.5.1	<i>Natural resource land in managed areas east of Conservation Area levees</i>	Retired - See Endnotes.					
6.5.2	<i>Total tree canopy coverage in Broward County, east of Conservation Areas</i>	Retired - See Endnotes.					
6.5	WILDLIFE HABITAT CONTINUED	FL1999	1999	2000	2001	2005	2010
6.5.3	Conservation and recreational lands						
	a) Protected land (acres)						
	1) Conservation and passive recreational land	Not Applicable	Not Available	8,288	8,288		
	2) Active recreational land	Not Applicable	Not Available	3,960	3,960		
	3) Other protected land	Not Applicable	Not Available	5,742	5,742		
	4) East Coast Buffer	Not Applicable	Not Available	6,623	6,623		
	b) Unprotected land (acres)						
	1) Listed East Coast Buffer	Not Applicable	Not Available	2,258	4,716		
	2) Proposed Conservation and Green Space Acquisition	Not Applicable	Not Available	1,408	1,160		

Preserving our land and wildlife continued

		TRENDS				GOALS (PROJECTIONS)	
6.6	THREATENED AND ENDANGERED SPECIES	1996	1999	2000	2001	2002	2010
6.6.1	Manatee population:						
	a) Broward County West Indian Manatee Mortality	6	15	4	6	0	
	b) Florida West Indian Manatee Population	2,639	2,353	2,223	3,276	2,200	
6.6	THREATENED AND ENDANGERED SPECIES CONTINUED	1998	1999	2000	2001	2002	2010
6.6.2	Sea Turtle Survey:						
	a) Number of nests	2,857	2,620	2,942	2,385		
	b) Percent of surveyed nests						
	1) left <i>in-situ</i>	31.1%	28.5%	33.1%	31.0%		
	2) relocated to open beach hatcheries	59.2%	61.1%	60.1%	62.8%		
	3) relocated to enclosed hatchery	9.7%	10.4%	6.9%	6.1%		
	c) Number of hatchlings released	14,208	17,767	13,566	10,999		
6.7	COASTLINE	1998	1999	2000	2001	2003	2010
6.7.1	Beach adequacy:						
	a) Average beach width at high tide (feet)	211	198	190	177	225	
	b) Total beach acreage	615	568	564	508	655	
	c) Linear footage of critically eroded beach						
	1) Segment I (North County Line to Hillsboro Inlet)	1,000	0	Not Available	0	0	
	2) Segment II (Hillsboro Inlet to Port Everglades)	7,000	4,000	Not Available	0	0	
	3) Segment III (Port Everglades to South County Line)	9,000	16,000	Not Available	6,000	0	
	4) Total	17,000	20,000	Not Available	6,000	0	

Preserving our land and wildlife continued

		TRENDS				GOALS (PROJECTIONS)	
6.8	CORAL REEFS	1998	1999	2000	2001	2003	2010
6.8.1 Coral reef health:							
a) Average stony coral diversity indices - First Reef							
1) Diversity of live coral polyp coverage		1.042	0.826	0.980	0.910	0.960	
2) Diversity of numbers of individuals per species		1.166	0.895	1.350	1.240	1.140	
3) Evenness in distribution of live coral polyp coverage		0.512	0.548	0.510	0.460	0.520	
4) Evenness in distribution of numbers of individuals per species		0.588	0.565	0.710	0.640	0.620	
b) Average stony coral diversity indices - Second Reef							
1) Diversity of live coral polyp coverage		1.781	1.766	1.690	1.730	1.750	
2) Diversity of numbers of individuals per species		2.116	2.071	1.880	1.930	2.050	
3) Evenness in distribution of live coral polyp coverage		0.692	0.722	0.720	0.740	0.710	
4) Evenness in distribution of numbers of individuals per species		0.815	0.844	0.810	0.830	0.830	
c) Average stony coral diversity indices - Third Reef							
1) Diversity of live coral polyp coverage		1.833	1.824	1.820	1.740	1.830	
2) Diversity of numbers of individuals per species		2.065	2.045	1.970	2.010	2.030	
3) Evenness in distribution of live coral polyp coverage		0.768	0.757	0.760	0.730	0.770	
4) Evenness in distribution of numbers of individuals per species		0.860	0.858	0.830	0.840	0.860	

Being part of the solution

		TRENDS				GOALS (PROJECTIONS)	
		1999	2000	2001	2002	2005	2010
6.9	ENERGY USE						
6.9.1	Energy consumption						
	a) Kilowatt-hours of total electricity consumption (billions)	17.2	18.2	18.8	19.9		
	b) Kilowatt-hours of per capita power consumption	13,358	13,109	13,332	14,040		
6.10	WASTE MANAGEMENT						
6.10.1	Waste production: Tons per year of solid waste produced						
	a) Total (millions)	2.291	2.408	2.558	2.638		
	b) Per capita	1.13	1.17	1.57	1.91		
6.10.2	Waste management: Percentage of municipal solid waste that was						
	a) recycled	28%	27%	33%	30%		
	b) land-filled	40%	39%	42%	41%		
	c) combusted	32%	33%	24%	28%		