



FLORIDA

6th in Beachwater Quality

4% of samples exceeded national standards in 2010

Polluted urban and suburban runoff is a major threat to water quality at the nation's coastal beaches. Runoff from storms and irrigation carries pollution from parking lots, yards, and streets directly to waterways. In some parts of the country, stormwater routinely causes overflows from sewage systems. Innovative solutions known as green infrastructure enable communities to naturally absorb or use runoff before it causes problems. The U.S. Environmental Protection Agency is modernizing its national rules for sources of runoff pollution and should develop strong, green infrastructure-based requirements.

With its year-round swim season and more than 1,000 miles of coastal beach, Florida has the most ocean swimmers in the nation.¹ The state has more than 600 public beaches stretching along its Atlantic and Gulf of Mexico coastline.

During 2010, Florida's beaches were impacted by the BP oil disaster. A total of 1,747 oil notice and advisory days at 30 beaches were issued due to the spill in 2010. Oil spill notices were still posted at several beaches in Escambia County as of this writing and cleanup crews were still at work because of the occasional presence of tar mats and tar balls from the spill.² NRDC includes oil spill advisory and notice days at all beaches in its oil spill totals, including advisory and notice days at beaches that were not monitored for bacteria in 2010. Fourteen of the beaches with oil spill notices and advisories were also monitored for bacteria in 2010.

A \$7 million restoration project concluded at Hobie Beach (Dog Beach) in Miami in late 2010. This project was conducted primarily for shoreline stabilization, but some of the changes are expected to have beneficial effects on water quality at this beach as well. In particular, stormwater management improvements were made to the parking lot and maintenance road. Semi-permeable pavers were used to allow some rainfall to infiltrate into the soil instead of running off, and a new drainage system was constructed.³

Monitoring Results

In 2010, Florida reported 637 coastal beaches, 308 (48%) of which were monitored once a week, 328 (51%) were not monitored, and one (<1%) had no monitoring frequency data. For this section of the report, NRDC looked at the percent of monitoring samples that exceeded the state's daily maximum bacterial standards (all reported samples were used to calculate the 2010 percent exceedance rates, including duplicate samples and samples taken outside the official beach season, if any). In 2010, 4% of all reported beach monitoring samples exceeded the state's daily maximum bacterial standards. The beaches with the highest percent exceedance rates in 2010 were Bayou Chico (62%) in Escambia County, Hagen's Cove (47%) in Taylor County, Garniers (42%) in Okaloosa County, Bayview Park (38%) and Navy Point (Bayou Grande) (38%) in Escambia County, Higgs Beach (37%) in Monroe County, Keaton Beach (32%) in Taylor County, Fort Island Gulf Beach (31%) in Citrus County, Coco Plum Beach (27%) in Monroe County, Crandon Park-Key Biscayne (26%) in Miami-Dade County, Oelsner Park Beach (24%) in Pasco County, Minnesota Street (23%) in Broward County, Monument Beach (22%) in Gulf County, Shired Island (22%) in Dixie County, and Dekle Beach (21%) in Taylor County.

KEY FINDINGS IN FLORIDA

Beachwater Contamination

(% of samples exceeding state standards in 2010)

- Bayou Chico in Escambia County (62%)
- Hagen's Cove in Taylor County (47%)
- Garniers in Okaloosa County (42%)

Reported Sources of Beachwater Contamination

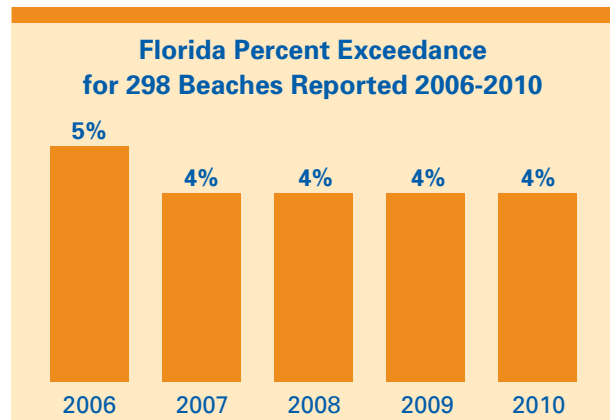
Statewide (number of closing/advisory days);

excludes BP oil disaster

- 1,493 (73%) wildlife
- 1,448 (71%) stormwater runoff
- 1,252 (61%) sewage spills/leaks
- 827 (27%) other sources of contamination
- 418 (40%) unknown sources of contamination

Totals exceed total days and 100% because more than one contamination source was reported for most events.

Taylor County had the highest exceedance rate (33%) in 2010, followed by Citrus (31%), Dixie (22%), Hernando (17%), Escambia (13%), Wakulla (9%), Hillsborough (8%), Okaloosa (8%), Broward (8%), Monroe (7%), Pasco (7%), Gulf (7%), Miami-Dade (6%), Levy (6%), Pinellas (4%), Manatee (4%), Bay (4%), Martin (3%), Palm Beach (3%), Volusia (3%), Sarasota (3%), Brevard (3%), Santa Rosa (2%), Charlotte (2%), Lee (2%), Walton (2%), Franklin (2%), St Lucie (1%), and Indian River (1%) counties. Nassau, St. Johns, Collier, Duval, and Flagler counties had no exceedances.



Sampling Practices: Monitoring occurs year-round; peak season is from April to mid-September.

The beachwater quality monitoring program is administered by the Florida Department of Health, which determines sampling practices, locations, standards, and notification protocols and practices throughout the state.² Samples are collected 18 inches below the surface in water that is approximately 36 inches deep, usually in the morning. Beaches are prioritized for monitoring on a county-by-county basis. Criteria for monitoring are population served, pollution potential, and rainfall. While this ensures that the most critical beaches in each county are monitored, there are a wide variety of beach characteristics in Florida, and beaches chosen for monitoring in one county may not be as important as beaches left unmonitored in another county.

Sampling frequency does not increase after an advisory is issued.

Long-term monitoring of beachwater and ocean sediments has begun off the coast of Florida for oil spill-related chemicals, including some polycyclic aromatic hydrocarbons. These chemicals are notorious for being toxic and persistent in the environment and for accumulating in the food chain.²

Advisories and Notices

Total advisory/notice days for 238 events lasting six consecutive weeks or less increased 39% in 2010 to 3,052 days from 2,201 days in 2009. In 2010, 999 oil spill advisory/notice days for events lasting six consecutive weeks or less were issued; if oil spill days were excluded there would be a 7% decrease in advisory days from 2009 to 2010. In previous years there were 2,067 days in 2008, 3,139 days in 2007, 2,686 days in 2006, and 2,991 days in 2005. In addition, in 2010 there were 11 extended events (613 days total) and 5 permanent events (720 days). Extended events are those in effect more than six weeks but not more than 13 consecutive weeks; permanent events are in effect for more than 13 consecutive weeks. Most of the extended and permanent events were due to the oil spill. For the 238 events lasting six consecutive weeks or less, 67% (2,046) of notice/advisory days in 2010 were due to monitoring that revealed elevated bacteria levels, <1% (7) were preemptive (i.e. without waiting for monitoring results) due to known sewage spills/leaks, and 33% (999) were preemptive due to the oil spill.

Standards and Procedures: The Department of Health does not have the authority to close Florida beaches; instead, advisories are issued. Florida applies the EPA's marine designated beach area criteria for enterococcus: a single-sample maximum of 104 cfu/100 ml and a 5-sample, 30-day geometric mean of 35 cfu/100 ml. In addition, Florida applies a fecal coliform single-sample maximum standard of 400 cfu/100 ml. In prior years, Florida distinguished fecal coliform exceedances from enterococcus exceedances by calling enterococcus exceedances "advisories" and fecal coliform exceedances "warnings," but in 2010, Florida began using the term "advisories" for all bacterial exceedances.

In most coastal counties, officials issue an advisory if any one of the three standards is exceeded. However, if a sample exceeds a standard and the county can conduct a follow-up sample within the same week, the beach may be resampled before an advisory is issued. If the resample confirms an exceedance, an advisory is issued.

Pinellas County has a preemptive rainfall standard for two of its marine beaches, Maximo and North Shore. Maximo Beach's standard is 0.8 inch within a 24-hour period, while North Shore Beach's standard is 1 inch within a 24-hour period.² Monroe County also issues preemptive rainfall advisories, and Martin County has a preemptive standard based on water clarity. Most counties will warn against swimming after a sewage spill until sampling results are satisfactory. After a hurricane or tropical storm comes ashore, precautionary advisories are issued.

Florida 2010 Monitoring Results and Closing or Advisory Days					
Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Bay County					
Beach Drive	1	1/wk	52	12%	41
Beckrich Road (Edgewater Gulf Beach)	1	1/wk	52	4%	14
Bid-A-Wee Beach	1	1/wk	52	0%	0
Carl Gray Park	1	1/wk	52	19%	70
Delwood Beach	1	1/wk	51	0%	0
Dupont Bridge	1	1/wk	52	8%	7
East County Line (Mexico Beach)	1	1/wk	51	4%	15
Laguna Beach	1	1/wk	52	2%	7
Panama City Beach Pier (Edgewater Beach)	1	1/wk	52	2%	7
Seltzer Park (Silver Sands Beach)	1	1/wk	52	0%	0
Spy Glass Drive (Biltmore Beach)	1	1/wk	52	0%	0
Sunset Park	1	1/wk	52	0%	0
West County Line (Carrillon Beach)	1	1/wk	52	0%	0
Beaches in Bay County that were not monitored and that had no closing or advisory days in 2010:					
8th Street, Mexico Beach	Gulf Lagoon Beach	Miramar Heights Beach	Beach		
Bahama Beach	Gulf Resort Beach	Open Sands Beach	Sunnyside Beach		
Bay County Public Beach	Hollywood Beach	Rivera Beach	Suntime Beach		
Belaire Beach	Long Beach	Santa Monica Beach	Tyndall Beach		
El Centro Beach	Lullwater Beach	Shell Island Beach			
Florida Beach	Magnolia Beach	St. Andrews State Park			
Brevard County					
Cocoa Beach Pier	1	1/wk	56	14%	15
Cocoa Beach Minuteman Causeway	1	1/wk	51	0%	0
Indialantic Boardwalk	1	1/wk	51	0%	0
Jetty Park (Cape Canaveral)	1	1/wk	52	2%	0
Paradise Beach	1	1/wk	52	2%	0
Patrick Air Force Base (PAFB) North	1	1/wk	52	2%	0
Pelican Beach Park	1	1/wk	51	0%	0
Sebastian Inlet North	1	1/wk	51	0%	0
Spessard Holland Beach Park (North)	1	1/wk	52	2%	0
Beaches in Brevard County that were not monitored and that had no closing or advisory days in 2010:					
Aquarina Beach	Bonsteel Park	Canaveral National	Canova Beach Park		
Bicentennial Beach Park		Seashore/Playalinda Beach	Cherrie Down Park		

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Brevard County					
Beaches in Brevard County that were not monitored and that had no closing or advisory days in 2010:					
Coconut Point Park	Lori Wilson Park	North Area Beach (PAFB)	Robert P. Murkshe Memorial Park		
Fischer Park	Main Entrance Beach (PAFB)	Ocean Park	Seagull Park (PAFB)		
Hightower Beach Park	NCO Club Beach (PAFB)	Officers Club Beach (PAFB)	Shepard Park		
Broward County					
Bahia Mar	1	1/wk	53	4%	0
Birch State Park	1	1/wk	54	4%	0
Commercial Blvd	1	1/wk	53	4%	0
Custer Street	1	1/wk	61	13%	3
Dania Beach	1	1/wk	56	11%	6
Deerfield Beach	1	1/wk	52	0%	0
Deerfield Beach SE 10th Street	1	1/wk	54	4%	0
Hallandale Beach Blvd	1	1/wk	61	18%	3
Harrison Street	1	1/wk	62	16%	8
John Lloyd State Park	1	1/wk	52	2%	0
Minnesota Street	1	1/wk	69	23%	6
NE 16 Street, Pompano	1	1/wk	53	2%	0
Oakland Park Boulevard	1	1/wk	52	0%	0
Pompano Beach	1	1/wk	54	4%	0
Sebastian Street	1	1/wk	53	4%	0
Beaches in Broward County that were not monitored and that had no closing or advisory days in 2010:					
George English Park	Hillsboro Inlet	North Beach Park	Van Buren Street		
		Intercoastal			
Charlotte County					
Boca Grande	1	1/wk	52	0%	0
Englewood Mid Beach	1	1/wk	52	4%	5
Englewood North	1	1/wk	53	2%	0
Englewood South	1	1/wk	52	0%	0
Palm Island North	1	1/wk	52	0%	0
Palm Island South	1	1/wk	52	0%	0
Port Charlotte Beach East	1	1/wk	56	5%	10
Port Charlotte Beach West	1	1/wk	54	6%	0
Beaches in Charlotte County that were not monitored and that had no closing or advisory days in 2010:					
Dotzler Beach	Ponce De Leon Beach	Port Charlotte Beach			
Citrus County					
Fort Island Gulf Beach	1	1/wk	52	31%	84
Collier County					
Barefoot Beach State Reserve	1	1/wk	52	0%	0
Central Avenue	1	1/wk	52	0%	0
Clam Pass	1	1/wk	52	0%	0

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Collier County					
Denor-Wiggins State Recreation Area	1	1/wk	52	0%	0
Doctor's Pass	1	1/wk	52	0%	0
Hideaway Beach	1	1/wk	52	0%	0
Horizon Way Beach (AKA Parkshore Beach)	1	1/wk	52	0%	0
Lowdermilk Park	1	1/wk	52	0%	0
Naples Pier	1	1/wk	52	0%	0
Pelican Bay Restaurant And Club	1	1/wk	52	0%	0
Residence Beach	1	1/wk	52	0%	0
South Marco Beach (AKA SMB Access)	1	1/wk	52	0%	0
Tigertail Beach	1	1/wk	52	0%	0
Vanderbilt Beach	1	1/wk	52	0%	0
Beaches in Collier County that were not monitored and that had no closing or advisory days in 2010:					
10 Thousand Island	2nd Avenue North Beach	Admiralty & Shores Beach	Pelican Bay Beach North		
10th Avenue South Beach	2nd Avenue South Beach	Broad Avenue Beach	Pelican Bay Beach South		
11th Avenue South Beach	32nd Avenue Beach	Caxambas Park	Port Royal Beach & Club		
13th Avenue South Beach	3rd Avenue North Beach	Clam Pass Park North	Shore Drive Beach		
14th Avenue South Beach	3rd Avenue South Beach	Clam Pass Park South	The Moorings		
15th Avenue South Beach	4th Avenue North Beach	Cutlass Cove Beach & Club	Vedado Way Beach		
16th Avenue South Beach	4th Avenue South Beach	Gordon Pass Beach	Villa Mare Ln Beach		
17th Avenue South Beach	5th Avenue South Beach	Keewaydin Island	Wiggins Pass North		
18th Avenue South Beach	6th Avenue South Beach	Lely Barefoot Beach	Wiggins Pass State Park		
1st Avenue North Beach	7th Avenue South Beach	Naples Beach Club			
1st Avenue South Beach	8th Avenue South Beach	Naples Lake Beach			
Dixie County					
Shired Island	1	1/wk	32	22%	26
Duval County					
15th Street Access	1	1/wk	51	0%	0
19th Street Access	1	1/wk	51	0%	0
30th Avenue Access	1	1/wk	51	0%	0
Atlantic Blvd Access	1	1/wk	51	0%	0
Beach Blvd Access	1	1/wk	51	0%	0
Hanna Park	1	1/wk	51	0%	0
Hopkins Street Access	1	1/wk	51	0%	0
Huguenot Park	1	1/wk	51	0%	0
North Little Talbot Island	1	1/wk	51	0%	0
South Little Talbot Island	1	1/wk	51	0%	0
Escambia County					
Bayou Chico	1	1/wk	52	1	119 (115)*
Bayview Park	1	1/wk	52	0	84 (66)*
Big Lagoon State Park	1	1/wk	53	8%	24

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Escambia County					
County Park East	1	1/wk	52	0%	0 (47)*
County Park West	1	1/wk	51	0%	2 (50)*
Fort Pickens	1	1/wk	0	NA	11 (186)*
Johnson Beach	1	1/wk	51	2%	11 (186)*
Johnson Beach Sound Side	1	1/wk	51	0%	0
Navy Point (Bayou Grande)	1	1/wk	52	38%	145
Pensacola (Casino) Beach	1	1/wk	51	0%	2 (50)*
Perdido Key State Park	1	1/wk	50	0%	10 (186)*
Quietwater Beach (Santa Rosa Sound)	1	1/wk	52	0%	0
Sanders Beach	1	1/wk	53	11%	38
Beaches in Escambia County that were not monitored and that had no closing or advisory days in 2010:					
Fort Mcree Area	Navy Point South	Quietwater Beach	Sabine Yacht and Racket		
	Opal Beach	Picnic Area	Santa Rosa Island		
Flagler County					
Gamble Rogers State Park	1	1/wk	52	0%	0
North Flagler Pier	1	1/wk	52	0%	0
Picknickers (Beverly Beach)	1	1/wk	52	0%	0
South Flagler Pier	1	1/wk	52	0%	0
Varn Park	1	1/wk	52	0%	0
Washington Oaks State Park	1	1/wk	52	0%	0
Beaches in Flagler County that were not monitored and that had no closing or advisory days in 2010:					
Hammock	Marineland	South Beach			
Franklin County					
Alligator Point	1	1/wk	49	0%	0
Carrabelle Beach	1	1/wk	49	10%	27
St. George Island 11th Street East	1	1/wk	98	0%	0
St. George Island Franklin Street	1	1/wk	49	0%	0
St. George Island State Park	1	1/wk	49	0%	0
Beaches in Franklin County that were not monitored and that had no closing or advisory days in 2010:					
Peninsular Point Beach	St. George Island 11th Street West				
Gulf County					
Beacon Hill Beach	1	1/wk	54	4%	0
Cape San Blas	1	None	51	4%	6
Dixie Belle Beach	1	1/wk	53	4%	6
Lookout Beach	1	1/wk	53	2%	0
Monument Beach	1	1/wk	59	22%	16
St. Joe Beach	1	1/wk	54	4%	0
Beaches in Gulf County that were not monitored and that had no closing or advisory days in 2010:					
Highway 98 Beach					

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Hernando County					
Pine Island	1	1/wk	52	17%	14
Hillsborough County					
Bahia Beach	1	1/wk	54	6%	0
Ben T. Davis North	1	1/wk	60	15%	5
Ben T. Davis South	1	1/wk	57	12%	16
Cypress Point North	1	1/wk	54	4%	0
Cypress Point South	1	1/wk	57	9%	4
Davis Island	1	1/wk	57	9%	0
Picnic Island North	1	1/wk	58	10%	0
Picnic Island South	1	1/wk	53	4%	0
Simmons Park	1	1/wk	54	4%	0
Beaches in Hillsborough County that were not monitored and that had no closing or advisory days in 2010:					
Apollo Beach	McDill Air Force Base Beaches				
Indian River County					
Coconut Point Sebastian Inlet	1	1/wk	52	0%	0
Humiston Beach	1	1/wk	52	0%	0
Round Island Beach Park	1	1/wk	52	0%	0
Sexton Plaza	1	1/wk	53	4%	0
South Beach Park	1	1/wk	52	0%	0
Wabasso Beach Park	1	1/wk	52	0%	0
Beaches in Indian River County that were not monitored and that had no closing or advisory days in 2010:					
Amber Sands Beach	Golden Sands Beach Park	Seagrape Beach	Tracking Station Beach Park		
Conn Beach	Jaycee Beach Park	Seahorse Beach	Treasure Shores Beach Park		
Flame Vine Beach	Riomar Beach	Sebastian Inlet South Side	Turtle Trail Beach		
Lee County					
Boca Grande Light House/ Seagrape Beach	1	1/wk	53	4%	5
Bonita Beach Park	1	1/wk	52	0%	0
Bowditch Point Beach	1	1/wk	52	0%	0
Bowman's Beach	1	1/wk	52	0%	0
Cape Coral Yacht Club	1	1/wk	55	9%	15
Little Hickory Beach Park	1	1/wk	52	0%	0
Lovers Key State Park	1	1/wk	52	0%	0
Lynn Hall Memorial Park	1	1/wk	52	0%	0
Sanibel Causeway Beach	1	1/wk	53	2%	0
Sanibel Lighthouse Park Beach	1	1/wk	54	6%	0
South Seas Plantation Captiva- Redfish Pass	1	1/wk	53	2%	0
Tarpon Bay Road Beach	1	1/wk	54	4%	0
Turner Beach/Blind Pass Beach	1	1/wk	52	0%	0

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Lee County					
Beaches in Lee County that were not monitored and that had no closing or advisory days in 2010:					
Cayo Costa State Park	North Captiva Island	Public Beach Access #23–	Southern Tip Access Fort		
Fulgar St Beach Access– Sanibel	Public Access #34– Ft Myers Beach	Ft Myers Beach	Myers Beach		
Holiday Inn Public Beach– Access Ft Myers Beach	Public Beach Access #17– Ft Myers Beach	Sanibel Beach Access #4	South Seas Captiva		
Levy County					
Cedar Key Beach	1	1/wk	52	6%	21
Beaches in Levy County that were not monitored and that had no closing or advisory days in 2010:					
Yankeetown Beach					
Manatee County					
Bay Front Park North	1	1/wk	53	9%	18
Bay Front Park South	1	1/wk	52	2%	0
Bradenton Beach	1	1/wk	52	2%	0
Coquina Beach North	1	1/wk	52	8%	21
Coquina Beach South	1	1/wk	50	0%	0
Manatee Public Beach North	1	1/wk	52	2%	0
Manatee Public Beach South	1	1/wk	51	0%	0
Palma Sola North	1	1/wk	52	2%	0
Palma Sola South	1	1/wk	55	16%	33
Whitney Beach	1	1/wk	51	0%	0
Beaches in Manatee County that were not monitored and that had no closing or advisory days in 2010:					
City Of Anna Maria Access (Anna Maria Island)	Emerson Point	Longboat Key			
Martin County					
Bathtub Beach	1	1/wk	52	0%	0
Bob Graham Beach	1	1/wk	53	2%	0
Hobe Sound Public Beach	1	1/wk	52	0%	0
Hobe Sound Wildlife Refuge	1	1/wk	52	0%	0
Jensen Beach Causeway East	1	1/wk	52	0%	0
Jensen Public Beach	1	1/wk	54	4%	0
Roosevelt Bridge	1	1/wk	57	18%	2 (53)*
Stuart Beach	1	1/wk	52	0%	0
Stuart Causeway	1	1/wk	53	2%	0
Beaches in Martin County that were not monitored and that had no closing or advisory days in 2010:					
Alex's Beach	Chastain Beach	Jensen Beach Causeway	Tiger Shores Beach		
Bathtub Reef	Fletcher Beach	Saint Lucie Inlet State Park	Virginia Forest		
Blowing Rocks	Glasscock	Sandsprint Park			
Bryan Mawr	House of Refuge	Stokes			
Miami-Dade County					
53rd Street–Miami Beach	1	1/wk	55	5%	0

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Miami-Dade County					
Cape Florida Park	1	1/wk	53	2%	0
Collins Park–21st Street	1	1/wk	57	9%	0
Crandon Park–South	1	1/wk	17	6%	0
Crandon Park–Key Biscayne	1	1/wk	68	26%	15
Golden Beach	1	1/wk	54	4%	0
Haulover Beach	1	1/wk	53	2%	0
Haulover Beach–North	1	1/wk	10	0%	0
Hobie Beach (AKA Dog Beach)	1	1/wk	30	3%	0
Key Biscayne Beach	1	1/wk	54	4%	0
Matheson Hammock	1	1/wk	56	7%	2
North Shore Ocean Terrace	1	1/wk	54	4%	0
Oleta State Park	1	1/wk	53	2%	7
South Beach Park	1	1/wk	54	4%	0
Sunny Isles Beach–Samson Park	1	1/wk	10	0%	0
Sunny Isles Beach–Pier Park	1	1/wk	43	2%	0
Surfside Beach–93rd Street	1	1/wk	54	4%	0
Virginia Beach	1	1/wk	54	4%	0
Beaches in Miami-Dade County that were not monitored and that had no closing or advisory days in 2010:					
Homestead Bay Front Park Windsurfer Beach					
Monroe County					
Anne’s Beach	1	1/wk	52	6%	21
Bahia Honda Bayside	1	1/wk	52	0%	0
Bahia Honda Oceanside	1	1/wk	52	12%	42
Bahia Honda Sandspur	1	1/wk	52	8%	28
Coco Plum Beach	1	1/wk	52	27%	91
Curry Hammock	1	1/wk	52	2%	7
Founder’s Park Beach	1	1/wk	52	2%	0
Ft. Zachary Taylor	1	1/wk	52	0%	0
Harry Harris County Park	1	1/wk	52	0%	0
Higgs Beach	1	1/wk	52	37%	21 (112)*
Islamorada Public Library	1	1/wk	52	0%	0
John Pennekamp State Park Cannon Beach	1	1/wk	52	0%	0
Simonton Beach	1	1/wk	52	2%	7
Smathers Beach	1	1/wk	52	6%	21
Sombrero Beach	1	1/wk	52	4%	14
South Beach	1	1/wk	52	12%	42
Veteran’s Beach	1	1/wk	52	2%	7
Beaches in Monroe County that were not monitored and that had no closing or advisory days in 2010:					
18 Mile Stretch		Atlanta Shores	Banana Bay Resort– Marathon	Buccaneer	

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Monroe County					
Beaches in Monroe County that were not monitored and that had no closing or advisory days in 2010:					
Casa Clara		Fiesta Key Campground	Long Key State Park		Smathers Beach East
Casa Marina		Hawks Cay Resort	Monroe County Beach		Sunset Park
Cheeca Lodge Beach		Holiday Inn Beachside	N Roosevelt/Cow Key		The Islander Beach Resort
Craig Key Roadside		John Pennecamp State Park Far Beach	Reach Resort		The Moorings
Dog Beach		Kennedy Dr & N Roosevelt	Rest Beach		Valhalla Beach Resort
Dolphin Research Center		Key West Beach Club	Sea Oats Beach		Westin Beach
Nassau County					
Amelia Island Plantation (AIP) Beach Club	1	1/wk	49	0%	0
American Beach	1	1/wk	51	0%	0
Fort Clinch Beach	1	1/wk	50	0%	0
Jasmine Street	1	1/wk	51	0%	0
Main Beach	1	1/wk	49	0%	0
Ocean Street	1	1/wk	51	0%	0
Peter's Point	1	1/wk	51	0%	0
Piper Dunes (AIP Beach)	1	1/wk	51	0%	0
Sadler Road	1	1/wk	49	0%	0
Simmons Road	1	1/wk	50	0%	0
South End	1	1/wk	49	4%	0
Beaches in Nassau County that were not monitored and that had no closing or advisory days in 2010:					
Alachua Beach Access		Hutchins Beach Access	N. Casino Beach Access		Scott Road Beach Access
Allen Beach Access		John Robas Beach Access	New York Beach Access		South End Bridge
Bill Melton Beach Access		Kissimmee Beach Access	North Beach Park		Summer Beach
Burney Park Beach Front		Manatee Beach Access	Ozello Beach Access		Suwannee Beach Access
Fort Clinch Riverside		Mizell Beach Access	S. Casino Beach Access		
Okaloosa County					
Beasley State Park	no data	None	0	NA	43
Brackin Wayside	1	1/wk	52	0%	43
Camp Timpoochee	1	1/wk	52	6%	14
East Pass	1	1/wk	52	4%	13
El Matador	1	None	0	NA	43
Garniers	1	1/wk	52	42%	50 (70)*
Gulf Island National Seashore	1	1/wk	52	8%	27
Henderson State Park Beach	1	1/wk	52	0%	43
James Lee Park Beach	1	1/wk	52	0%	43
Lincoln Park	1	1/wk	52	10%	35
Liza Jackson Park	1	1/wk	52	13%	50
Marlers Park	1	1/wk	52	0%	0
Okaloosa Island Beach Access #1	1	None	0	NA	43
Okaloosa Island Beach Access #2	1	None	0	NA	43

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Okaloosa County					
Okaloosa Island Beach Access #3	1	None	0	NA	43
Okaloosa Island Beach Access #4	1	None	0	NA	43
Okaloosa Island Beach Access #5	1	None	0	NA	43
Okaloosa Island Beach Access #6	1	None	0	NA	43
Okaloosa Island Beach Access #7	1	None	0	NA	43
Poquito Park	1	1/wk	52	2%	8
Rocky Bayou (Fred Gannon State Park)	1	1/wk	52	10%	29
Beaches in Okaloosa County that were not monitored and that had no closing or advisory days in 2010:					
Bay Drive	Hurlburt Campground	Nco Beach	Star Drive		
Beasley State Park	Hurlburt Marina	Norreigo Point	US Army Rec Center		
Bluewater Beach	Joes Bayou	Parrish Point	Valparaiso Blvd		
Cinco Food	Laguana Park	Pocahantas Drive	Walk Edge		
Clement-Taylor	Landing	Postal Point	Weekley Bayou		
Dana Point	Lions Park	Rickey Avenue	White Point		
Eldridge Park	Longwood Park	Rocky Creek Campground			
Florida Park	Maxwell-Gunter	Seashore Beachwalk			
Holiday Isle Aegean	Meigs Park	Seaview			
Palm Beach County					
Boynton Beach Municipal	1	1/wk	52	0%	0
Carlin Park	1	1/wk	52	0%	0
Delray Beach (AKA Sandoway Park)	1	1/wk	52	0%	0
Dubois Park	1	1/wk	59	12%	0
Gulfstream Park	1	1/wk	52	0%	0
Jupiter Beach Park	1	1/wk	52	0%	0
Lake Worth (AKA Kreusler)	1	1/wk	55	5%	0
Lantana Municipal	1	1/wk	52	0%	0
Ocean Inlet Park	1	1/wk	52	0%	0
Palm Beach	1	1/wk	52	0%	0
Phil Foster Park	1	1/wk	64	19%	4
Riviera Beach	1	1/wk	52	0%	0
South Inlet Park	1	1/wk	52	0%	0
Spanish River	1	1/wk	52	0%	0
Beaches in Palm Beach County that were not monitored and that had no closing or advisory days in 2010:					
Coral Cove	Loggerhead Park	Peanut Island	South Beach		
John D. Mcarthur	Ocean Reef Park	Phipps			
Juno Beach Park	Palm Beach Shores	Red Reef Park			
Pasco County					
Anclote River Park Beach	1	1/wk	46	0%	0
Brasher Park Beach	1	1/wk	47	2%	14
Energy And Marine Center	1	1/wk	46	7%	39
Gulf Harbors Beach	1	1/wk	45	4%	14

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Pasco County					
Oelsner Park Beach	1	1/wk	46	24%	35 (49)*
Robert J. Strickland	1	1/wk	46	4%	11
Robert K. Rees Park Beach	1	1/wk	43	7%	21
Pinellas County					
Courtney Campbell Causeway	1	1/wk	57	9%	5
Fort Desoto North Beach	1	1/wk	54	0%	0
Gandy Boulevard	1	1/wk	57	7%	0
Honeymoon Island Beach	1	1/wk	54	2%	0
Indian Rocks Beach	1	1/wk	55	4%	0
Indian Shores Beach	1	1/wk	55	5%	5
Madeira Beach	1	1/wk	53	0%	0
Mobbly Bayou Preserve	1	1/wk	58	9%	0
North Shore Beach	1	1/wk	54	4%	5
Pass-A-Grille Beach	1	1/wk	53	0%	0
Redington Shores–182nd Ave	1	1/wk	56	5%	0
Sand Key	1	1/wk	55	4%	0
Sunset Beach–Tarpon Springs	1	1/wk	58	9%	0
Treasure Island Beach	1	1/wk	54	4%	5
Beaches in Pinellas County that were not monitored and that had no closing or advisory days in 2010:					
Bay Vista Park	Fort Desoto–East Beach	Lassing Park–19th Ave Se	Redington Shores–175th Ave		
Belleair Beach–Morgan Drive	Fort Desoto 1/2 Way B/N Fort & N. Beach	Madeira Beach–129th Ave	Safety Harbor Pier		
Belleair Causeway–Intercoastal	Fred Howard Beach	Maximo Park–East Beach	St Pete Beach–34th Ave (The Don)		
Bermuda Bay Beach	Ft Desoto Park–Pier/Fort	Maximo Park–West Beach	St Pete Beach–46th Ave (Park)		
Clearwater Beach–Carlouel Park	Gulfport–East Beach	North Redington Beach–169th Ave	Sunset Beach (TI)–82nd Ave		
Clearwater Beach–Rockaway	Gulfport–Osgood Beach	North Shore–North Beach	Sunset Beach (TI)–89th Ave		
Clearwater Beach (3rd St)	Gulfport–West Beach	Pass-a-Grille–19th Ave	Treasure Island–103rd Ave		
Crystal Beach	Honeymoon Island Causeway (South)	R.E. Olds Park			
Dunedin Marina Beach	Indian Rocks Beach–Central Ave	Redington Beach–158th Ave			
Santa Rosa County					
Homeport	1	1/wk	52	0%	0
Juana’s Beach	1	1/wk	53	2%	0
Navarre Beach Pier	1	1/wk	52	0%	0
Navarre Beach West	1	1/wk	52	0%	0
Navarre Park	1	1/wk	52	2%	7
Shoreline Park	1	1/wk	56	9%	5
Woodlawn Beach	1	1/wk	53	2%	0
Beaches in Santa Rosa County that were not monitored and that had no closing or advisory days in 2010:					
Floridatown Park	Garcon Point Location 3	Redfish Point			

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Sarasota County					
Blind Pass Beach	1	1/wk	49	0%	0
Brohard Beach	1	1/wk	49	0%	0
Caspersen Public Beach	1	1/wk	48	0%	0
Lido Casino Beach	1	1/wk	51	4%	0
Longboat Key Access	1	1/wk	50	2%	0
Manasota Beach	1	1/wk	49	0%	0
Nokomis Public Beach	1	1/wk	49	2%	0
North Jetty Park Beach	1	1/wk	52	0%	0
North Lido Beach	1	1/wk	49	0%	0
Ringling Causeway	1	1/wk	56	13%	4 (2)*
Service Club Park	1	1/wk	50	2%	0
Siesta Key Public Beach	1	1/wk	52	6%	0
South Lido Beach	1	1/wk	51	4%	0
Turtle Beach	1	1/wk	50	2%	0
Venice Fishing Pier	1	1/wk	50	2%	0
Venice Public Beach	1	1/wk	51	4%	0
Beaches in Sarasota County that were not monitored and that had no closing or advisory days in 2010:					
Avenida Del Mare Access #11	Calle De La Siesta, Access #7	Longboat Access #3	Point O' Rocks		
Avenida Messina Access #2	Calle Del Inverno Access #10	Ocean Blvd Access #5	Quick Point		
Avenida Navarra Access #14	Longboat Access #1	Palmer Point Beach	Shell Road Access #1		
Blackburn Point Park	Longboat Access #2	Plaza De Las Palmas #9	South Jetty Beach		
		Plaza De Las Palmas 1, Access #8	Stickney Point Access #12		
St Johns County					
Anastasia State Park (St. Augustine Beach)	1	1/wk	52	0%	0
Crescent Beach	1	1/wk	52	0%	0
Matanzas Inlet	1	1/wk	52	0%	0
Mickler's Landing	1	1/wk	52	0%	0
Solano (Ponte Vedra Beach)	1	1/wk	52	0%	0
St. Augustine Beach A Street	1	1/wk	53	2%	0
St. Augustine Beach Ocean Trace	1	1/wk	51	0%	0
Vilano Beach	1	1/wk	52	0%	0
St Lucie County					
F Douglass Memorial Park	1	1/wk	51	0%	0
Fort Pierce Inlet/North Jetty Park	1	1/wk	52	2%	0
Pepper Park	1	1/wk	52	2%	0
Walton Rocks Beach	1	1/wk	52	2%	0
Beaches in St Lucie County that were not monitored and that had no closing or advisory days in 2010:					
Avalon Park	Blind Creek	Blind Creek Park	Blue Heron Blvd Access		

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
St Lucie County					
Beaches in St Lucie County that were not monitored and that had no closing or advisory days in 2010:					
Coconut Drive Access	Jaycee Park	Normandy Beach	South Jetty Park Beach		
Gulfstream Beach	John Brooks Park	Porpoise Beach	Surfside Park		
Hermans Bay	K Bergalis Memorial Park	South Beach Boardwalk	Waveland Beach		
Inlet State Park at Ocean	Little Jim Bridge	South Causeway at Boat Ramp			
Inlet State Park at River	Middle Cove				
Taylor County					
Dekle Beach	1	1/wk	29	21%	75
Hagen's Cove	1	1/wk	30	47%	14 (70)*
Keaton Beach	1	1/wk	31	32%	77
Beaches in Taylor County that were not monitored and that had no closing or advisory days in 2010:					
Cedar Island	Dark Island				
Volusia County					
27th Street, New Smyrna Beach	1	1/wk	52	0%	0
Bicentennial Park, Ormond Beach	1	1/wk	104	1%	0
Dunlawton, Daytona Beach Shores	1	1/wk	52	8%	14
Flagler Avenue, New Smyrna Beach	1	1/wk	52	0%	0
Florida Shores Blvd	1	1/wk	52	13%	53
Granada, Ormond Beach	1	1/wk	52	0%	0
International Speedway, Daytona Beach	1	1/wk	52	8%	28
Main, Daytona Beach	1	1/wk	52	0%	0
North Jetty, Ponce Inlet	1	1/wk	49	2%	0
Oceanview Way, Ponce Inlet	1	1/wk	51	0%	0
Seabreeze, Daytona Beach	1	1/wk	52	0%	0
Silver Beach, Daytona Beach	1	1/wk	52	13%	49
South Jetty, New Smyrna Beach	1	1/wk	52	0%	0
Torinita, Wilbur By The Sea	1	1/wk	51	0%	0
Villa Way	1	1/wk	52	0%	0
Beaches in Volusia County that were not monitored and that had no closing or advisory days in 2010:					
Beach Street					
Wakulla County					
Mash Island	1	1/wk	48	6%	21
Shell Point Beach	1	1/wk	46	11%	43
Walton County					
Blue Mountain Beach Access	1	1/wk	0	NA	42
Choctaw Beach County Park	1	1/wk	55	7%	0
County Park	1	1/wk	53	2%	42
Dune Allen Beach Access	1	1/wk	52	0%	2 (44)*
Eastern Lake Beach Access	1	1/wk	52	2%	42
Eastern Lake Outfall	1	None	0	NA	42

Beach	Tier	Assigned Monitoring Frequency	Total Samples	% of Samples Exceeding State Standards	Closing or Advisory Days
Walton County					
Grayton Beach Access	1	1/wk	52	0%	42
Holly Street Beach Access	1	1/wk	52	2%	42
Inlet Beach Access (Tdc Beach Access)	1	1/wk	52	0%	42
Rosemary Beach	no data	None	0	NA	42
Santa Rosa Beach Access	no data	None	0	NA	42
South Wall Street Beach	1	None	0	NA	44
Western Lake Outfall	no data	None	0	NA	42
Wheeler Point	1	1/wk	53	2%	0
Beaches in Walton County that were not monitored and that had no closing or advisory days in 2010:					
Cessna Park (Class II)	Grayton Beach State Recreation Area		Legion Park (Class II)		

*Reported closing or advisory days are for events lasting six consecutive weeks or less. Number of days in parentheses are for events lasting more than six consecutive weeks.

NOTES

- 1 NOAA, Current Participation Patterns in Marine Recreation. November 2001.
- 2 David Polk, Florida Department of Health, personal communication.
- 3 Miami Dade County. Rickenbacker Causeway shoreline and roadway protection (memorandum). Not dated.

Testing the Waters 2011 reflects data as of June 27, 2011.