



TESTING THE WATERS

A Guide to Water Quality at Vacation Beaches

July 2005

**CLICK HERE FOR
BEACH RATING MAP**

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larly problematic
in 2005.*

FLORIDA

Beginning in August 2000, the Florida Department of Health received its first annual allocation of \$525,000 in recurring general revenue for the program. These same state funds, along with an additional \$540,000 in federal BEACH Act grants, were made available for the program in 2004. Local health departments in 34 of the state's 35 coastal counties (Jefferson County has no accessible beaches) received a portion of these funds to monitor an average of nine sites for enterococcus and fecal coliform. The Florida Department of Health posts monitoring results for all 307 beaches on its website (<http://apps3.doh.state.fl.us/>).

In August 2002, the department expanded beach-monitoring frequency from once every two weeks to once a week with the Environmental Protection Agency (EPA) grant monies. With weekly sampling results available, Florida also began using the steady-state geometric mean enterococcus standard, along with the single sample maximum standard, to determine swimming advisories. In addition to the enterococcus standard, Florida also tests for fecal coliform when determining beachwater safety. In 2003, the Florida Department of Health lowered its fecal coliform standard to 400cfu/100ml from 800cfu/100ml. Weekly sampling, the use of both enterococcus standards, and the lower fecal coliform standard continued through all of 2004.

The Florida Department of Health recommends that swimming advisories be issued when monitoring samples exceed the BEACH Act required geometric mean or single sample maximum standard for enterococcus, and that warnings be issued when state fecal coliform levels are exceeded. There is essentially no difference between an advisory and a warning—the program makes the distinction based simply on the indicator organism used. However, the ultimate decision to issue the advisory or warning lies with the local county health department.

If a sample exceeds the standard, an advisory or warning is usually not issued until a follow-up sample also exceeds the standard. In some cases, the follow-up sample is taken the same day, but in other cases, it may take up to a week before the results of the follow-up sample are known. In the interim, no advisory or warning is issued. Although the Department of Health requires follow-up sampling, the agency suggests that an advisory or warning be issued based on the results of the single sample if no follow-up sample can be taken (if, for example, the testing laboratory is closed for an extended holiday). Beaches were under swimming advisories for 3,345 days in 2004, plus 22 extended advisories lasting from 713 consecutive weeks and 4 permanent advisories lasting more than 13 consecutive weeks.

According to Florida's 2004 305(b) report, 3,126 square miles of estuaries were assessed for primary-contact recreation. Of these, 57 percent (1,769) met the designated use, 29 percent (914) had insufficient data to determine use support, and 14 percent (443) did not support primary-contact recreation. Florida analyzed 3,153 square miles of estuaries for trends in all designated uses between 1994 and 2003. Of these, 9 percent (278) were improving, 3 percent (87) were declining, and 88 percent (2,788) showed no change. Bacteria and mercury are the primary causes of nonattainment of designated uses. Florida coastal waters were assessed for fish consumption uses but not for primary-contact recreation. All 6,758 square miles of coastal waters do not attain water quality standards for fish consumption because of excessive concentrations of mercury in fish tissue.

The 305(b) report also cites the growing concern about the potential public health threat from harmful algal blooms, including red tides and blue-green algae, which are increasing in frequency, duration, and magnitude and may be a significant threat to surface drinking water resources and recreational sites. Harmful algal blooms are typically fueled by excess nutrients, most likely from agricultural runoff and sewage discharges. They may produce toxins that can harm humans through exposure to contaminated fish, skin contact, and even the inhalation of aerosols.

Florida red tides have been particularly problematic in 2005. There were more fish kills and other events, such as abnormal fish appearance or discolored waters, attributed to red tides in the first three months of 2005 than during the same time period in four of the previous five years. In March of this year, the well-publicized die-off of several dozen manatees in

southwest Florida was potentially linked to red tides. Preliminary research from scientists working in southwest Florida's Lee County on both red tides and red-drift algae (nontoxic microalgae whose blooms are also triggered by the presence of nutrients in water) suggests that occurrences of such blooms are worsening, are linked to wastewater discharges as well as other nutrient sources, and are initiated near shore, closer to sources of human-made pollution, rather than offshore as previously thought.¹

Standards and Testing

Indicator Organisms: Enterococcus, fecal coliform.

Standards: According to the EPA's "Water Quality Standards for Coastal and Great Lakes Recreation Waters: Final Rule," Florida did not adopt BEACH Act required standards in 2004: for ocean and bay waters, an enterococcus single sample maximum of 104/100ml and a steady-state geometric mean of 35/100ml.²

However, based on discussions with state and local officials from the Healthy Beaches Program, as well as monitoring and advisory data posted on the program's website, Florida uses an enterococcus single sample maximum of 104/100ml and a steady-state geometric mean of 35/100ml, as well as a fecal coliform single sample standard of 400/100ml to determine the health safety of beachwater.³ In most coastal counties, officials issue an advisory if any one of these standards is exceeded.

In 2002, two counties in Florida reported a preemptive rain standard. The EPA did not collect updated information on local standards for 2004. Pinellas County has a saltwater standard for Maximo and North Shore Beach. 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. Okaloosa County has a standard for freshwater that is in effect only when there is hard rain for eight hours or more than 4 inches in two days. Martin County has a preemptive standard based on turbidity. Florida did not report any preemptive rain advisories to the EPA in 2004.

Monitoring

Testing Frequency: Starting in August 2002, 307 sites in 34 coastal counties are monitored once a week as part of the Florida Department of Health Healthy Beaches Program. A list of all 307 beaches by county can be found on the program's website (<http://esetapps.doh.state.fl.us/irm00beachwater/default.aspx>). As required under the federal BEACH Act of 2000, coastal states had to report all of their coastal beaches and indicate whether they are monitored. The list of beaches can be found on the EPA's Beach Watch homepage (<http://www.epa.gov/waterscience/beaches/list/list-of-beaches.pdf>).

Number of Beaches Monitored and Not Monitored per Coastal County in Florida⁴

Coastal County	Number of Beaches Monitored	Number of Beaches Not Monitored	Coastal Area	Nearest Major City
Bay	13	21	Panhandle	Panama City
Brevard	10	17	Southeast	Viera (Merritt Island)
Broward	15	3	Southeast	Fort Lauderdale
Charlotte	8	3	Southwest	Port Charlotte
Citrus	1	0	Northwest	Inverness
Collier	14	42	Southwest	Naples
Dixie	1	0	Northwest	Cross City
Duval	10	0	Northeast	Jacksonville
Escambia	14	8	Panhandle	Pensacola
Flagler	6	2	Northeast	Bunnell
Franklin	5	1	Panhandle	Apalachicola
Gulf	6	1	Panhandle	Port St. Joe

Coastal County	Number of Beaches Monitored	Number of Beaches Not Monitored	Coastal Area	Nearest Major City
Hernando	1	0	Northwest	Brooksville
Hillsborough	9	2	Midwest	Tampa
Indian River	6	12	Southeast	Vero Beach
Lee	13	10	Southwest	Fort Myers
Levy	1	1	Northwest	Bronson
Manatee	10	3	Midwest	Bradenton
Martin	9	14	Southeast	Stuart
Miami-Dade	15	2	Southeast	Miami
Monroe	17	28	Keys	Key West
Nassau	11	19	Northeast	Fernandina Beach
Okaloosa	12	41	Panhandle	Fort Walton Beach
Palm Beach	14	10	Southeast	Delray Beach
Pasco	7	0	Midwest	New Port Richey
Pinellas	14	33	Midwest	Saint Petersburg
Santa Rosa	7	3	Panhandle	Milton
Sarasota	16	18	Southwest	Sarasota
St. Johns	8	0	Northeast	Saint Augustine
St. Lucie	4	21	Southeast	Fort Pierce
Taylor	4	1	Northwest	Perry
Volusia	15	0	Northeast	Daytona Beach
Wakulla	2	0	Panhandle	Panacea
Walton	9	8	Panhandle	DeFuniak Springs
Total	307	324		

Cost of Annual Monitoring and Public Notification Program: Florida Healthy Beaches Program received a \$537,390 federal BEACH Act grant in 2004, along with an allocation of \$525,000 in recurring general revenue from the state.

Closings/Advisories

Florida beach advisory days decreased 16 percent to 3,345 in 2004 from 3,986 in 2003. The greatest decrease in closing/advisory days was in Bay County, where officials attribute the decrease primarily to a 28.5 percent decrease in rainfall. There were no changes in the number of stations monitored, the frequency of monitoring, or the advisory issuance protocol.⁵ However, in Broward County, officials report that many of the county's advisories in 2003 were related to an intracoastal site no longer monitored in 2004.⁶

Closing/Advisory Issuance: Advisory or warning decisions are made at the discretion of each county. According to the Florida Healthy Beaches website, if the weekly sample exceeds either of the two instantaneous sample standards, a resample is taken before a public swimming advisory or warning is issued. However, resampling practices are not consistent among all 34 coastal counties. Certain county health departments in Florida have issued an advisory or warning without resample (Bay and Monroe, for example) while other counties have resampled within 24 hours (Miami-Dade, for example), and still others waited until the next weekly sampling cycle (Taylor, for example).

Causes of Closings/Advisories: All beach advisory days in 2004 were due to monitoring that revealed elevated bacteria levels from unknown sources of contamination.

Beach Closings/Advisories by Florida County: Year-to-Year Comparison

County	2004		2003		2002		2001	
	Days	Ext/Perm Events	Days	Ext/Perm Events	Days	Ext/Perm Events	Days	Ext/Perm Events
Bay	192	0	538	1	205	0	53	0
Brevard	0	0	0	0	0	0	12	0

County	2004		2003		2002		2001	
	Days	Ext/Perm Events	Days	Ext/Perm Events	Days	Ext/Perm Events	Days	Ext/Perm Events
Broward	9	0	200	1	10	1	6	0
Charlotte	119	0	178	0	0	1	16	0
Citrus	0	0	0	0	8	2	17	0
Collier	0	0	13	0	0	0	0	0
Dixie	89	0	35	0	0	0	0	0
Duval	0	0	2	0	0	0	0	0
Escambia	351	3	301	5	289	3	0	4
Flagler	0	0	0	0	0	0	0	0
Franklin	291	2	220	0	0	0	0	0
Gulf	6	0	91	1	9	0	0	0
Hernando	57	0	1	0	14	1	0	0
Hillsborough	109	0	224	0	0	2	0	1
Indian River	40	0	39	0	14	0	0	0
Jackson	0	0	0	0	14	0	*	*
Lee	0	0	31	0	4	0	0	0
Levy	77	1	14	0	28	0	0	0
Manatee	52	1	240	1	11	0	0	0
Martin	30	1	0	0	0	0	0	0
Miami-Dade	25	0	42	0	31	0	12	0
Monroe	398	2	346	1	118	1	131	0
Nassau	18	0	8	0	7	0	0	0
Okaloosa	397	6	497	9	277	0	34	1
Palm Beach	11	1	16	0	1	0	14	0
Pasco	305	5	248	6	383	4	82	2
Pinellas	152	0	125	0	111	0	81	0
Santa Rosa	70	0	12	0	0	0	0	0
Sarasota	29	0	32	0	1	0	0	0
St. Johns	33	0	4	0	0	0	0	0
St. Lucie	0	0	0	0	0	0	0	0
Taylor	267	4	201	4	98	0	215	0
Volusia	45	0	164	0	9	0	8	0
Wakulla	149	0	159	1	103	**	**	**
Walton	24	0	5	0	0	0	5	0
Total	3,345	26	3,986	30	1,745	15	686	8

Extended closing/advisory: 7 to 13 consecutive weeks. Permanent closing/advisory: more than 13 consecutive weeks.

*Surveyed for the first time in 2002. **Not surveyed in 2002 or prior years.

2004 Florida Beach Closings/Advisories

County	Beach	Start Date	Stop Date	Cause	Source
Bay	Beach Drive	04/12	04/18	Bacteria	(?)
Bay	Beach Drive	05/10	05/16	Bacteria	(?)
Bay	Beach Drive	06/14	06/20	Bacteria	(?)
Bay	Beach Drive	08/09	08/15	Bacteria	(?)
Bay	Beach Drive	09/13	09/19	Bacteria	(?)
Bay	Beckrich Road (Edgewater Gulf Beach)	04/12	04/18	Bacteria	(?)
Bay	Beckrich Road (Edgewater Gulf Beach)	04/19	04/25	Bacteria	(?)
Bay	Bid-A-Wee Beach	08/09	08/15	Bacteria	(?)
Bay	Bid-A-Wee Beach	08/30	09/06	Bacteria	(?)
Bay	Carl Gray Park	02/02	02/08	Bacteria	(?)
Bay	Carl Gray Park	02/16	02/22	Bacteria	(?)
Bay	Carl Gray Park	02/23	02/29	Bacteria	(?)
Bay	Carl Gray Park	04/05	04/11	Bacteria	(?)
Bay	Carl Gray Park	06/21	06/27	Bacteria	(?)
Bay	Carl Gray Park	08/09	08/15	Bacteria	(?)
Bay	Carl Gray Park	09/07	09/12	Bacteria	(?)
Bay	Carl Gray Park	09/27	10/03	Bacteria	(?)
Bay	Carl Gray Park	12/28	12/31	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Bay	Delwood Beach	04/19	04/25	Bacteria	(?)
Bay	Dupont Bridge	01/01	01/04	Bacteria	(?)
Bay	Dupont Bridge	01/05	01/11	Bacteria	(?)
Bay	Dupont Bridge	04/19	04/25	Bacteria	(?)
Bay	Dupont Bridge	05/17	05/23	Bacteria	(?)
Bay	Dupont Bridge	08/09	08/15	Bacteria	(?)
Bay	Laguna Beach	08/09	08/15	Bacteria	(?)
Bay	Laguna Beach	09/27	10/03	Bacteria	(?)
Bay	Seltzer Park (Silver Sands Beach)	04/19	04/25	Bacteria	(?)
Bay	Seltzer Park (Silver Sands Beach)	08/09	08/15	Bacteria	(?)
Bay	Seltzer Park (Silver Sands Beach)	09/13	09/19	Bacteria	(?)
Bay	Spy Glass Drive (Biltmore Beach)	04/19	04/25	Bacteria	(?)
Bay	Spy Glass Drive (Biltmore Beach)	08/09	08/15	Bacteria	(?)
Bay	Sunset Park	04/12	04/18	Bacteria	(?)
Bay	Sunset Park	11/22	11/28	Bacteria	(?)
Broward	Birch State Park	10/27	10/31	Bacteria	(?)
Broward	Custer Street	09/16	09/17	Bacteria	(?)
Broward	Dania Beach	09/16	09/17	Bacteria	(?)
Broward	Ne 16 Street, Pompano	09/09	09/12	Bacteria	(?)
Charlotte	Port Charlotte Beach East	08/02	08/08	Bacteria	(?)
Charlotte	Port Charlotte Beach East	08/23	08/24	Bacteria	(?)
Charlotte	Port Charlotte Beach East	08/25	08/29	Bacteria	(?)
Charlotte	Port Charlotte Beach East	08/30	08/31	Bacteria	(?)
Charlotte	Port Charlotte Beach East	09/01	09/05	Bacteria	(?)
Charlotte	Port Charlotte Beach East	09/06	09/12	Bacteria	(?)
Charlotte	Port Charlotte Beach East	09/13	09/14	Bacteria	(?)
Charlotte	Port Charlotte Beach East	09/15	09/19	Bacteria	(?)
Charlotte	Port Charlotte Beach East	09/20	09/26	Bacteria	(?)
Charlotte	Port Charlotte Beach East	10/04	10/10	Bacteria	(?)
Charlotte	Port Charlotte Beach East	10/11	10/17	Bacteria	(?)
Charlotte	Port Charlotte Beach East	10/25	10/31	Bacteria	(?)
Charlotte	Port Charlotte Beach West	03/29	04/01	Bacteria	(?)
Charlotte	Port Charlotte Beach West	04/19	04/25	Bacteria	(?)
Charlotte	Port Charlotte Beach West	06/30	07/04	Bacteria	(?)
Charlotte	Port Charlotte Beach West	07/26	07/27	Bacteria	(?)
Charlotte	Port Charlotte Beach West	07/28	08/01	Bacteria	(?)
Charlotte	Port Charlotte Beach West	08/02	08/08	Bacteria	(?)
Charlotte	Port Charlotte Beach West	08/09	08/10	Bacteria	(?)
Charlotte	Port Charlotte Beach West	08/11	08/15	Bacteria	(?)
Charlotte	Port Charlotte Beach West	08/23	08/24	Bacteria	(?)
Charlotte	Port Charlotte Beach West	08/25	08/29	Bacteria	(?)
Charlotte	Port Charlotte Beach West	08/30	08/31	Bacteria	(?)
Charlotte	Port Charlotte Beach West	09/01	09/06	Bacteria	(?)
Charlotte	Port Charlotte Beach West	09/07	09/12	Bacteria	(?)
Charlotte	Port Charlotte Beach West	09/13	09/14	Bacteria	(?)
Charlotte	Port Charlotte Beach West	09/15	09/19	Bacteria	(?)
Charlotte	Port Charlotte Beach West	09/20	09/26	Bacteria	(?)
Charlotte	Port Charlotte Beach West	10/04	10/10	Bacteria	(?)
Charlotte	Port Charlotte Beach West	10/11	10/17	Bacteria	(?)
Dixie	Shired Island	03/08	03/14	Bacteria	(?)
Dixie	Shired Island	05/31	06/06	Bacteria	(?)
Dixie	Shired Island	06/14	06/20	Bacteria	(?)
Dixie	Shired Island	07/12	07/18	Bacteria	(?)
Dixie	Shired Island	07/19	07/25	Bacteria	(?)
Dixie	Shired Island	08/02	08/08	Bacteria	(?)
Dixie	Shired Island	08/16	08/22	Bacteria	(?)
Dixie	Shired Island	08/23	08/29	Bacteria	(?)
Dixie	Shired Island	08/30	09/05	Bacteria	(?)
Dixie	Shired Island	11/09	11/14	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Dixie	Shired Island	11/15	11/21	Bacteria	(?)
Dixie	Shired Island	11/22	11/28	Bacteria	(?)
Dixie	Shired Island	11/29	12/06	Bacteria	(?)
Dixie	Shired Island	12/07	12/12	Bacteria	(?)
Dixie	Shired Island	12/20	12/26	Bacteria	(?)
Escambia	Bayou Chico	02/04	02/08	Bacteria	(?)
Escambia	Bayou Chico	02/17	02/18	Bacteria	(?)
Escambia	Bayou Chico	02/19	02/22	Bacteria	(?)
Escambia	Bayou Chico	02/23	02/24	Bacteria	(?)
Escambia	Bayou Chico	02/25	02/29	Bacteria	(?)
Escambia	Bayou Chico	03/01	03/07	Bacteria	(?)
Escambia	Bayou Chico	03/08	03/14	Bacteria	(?)
Escambia	Bayou Chico	03/15	03/21	Bacteria	(?)
Escambia	Bayou Chico	03/22	03/28	Bacteria	(?)
Escambia	Bayou Chico	06/01	06/06	Bacteria	(?)
Escambia	Bayou Chico	06/07	06/13	Bacteria	(?)
Escambia	Bayou Chico	06/14	06/20	Bacteria	(?)
Escambia	Bayou Chico	06/21	06/27	Bacteria	(?)
Escambia	Bayou Chico	06/28	07/05	Bacteria	(?)
Escambia	Bayou Chico	07/06	07/12	Bacteria	(?)
Escambia	Bayou Chico	07/21	07/25	Bacteria	(?)
Escambia	Bayou Chico	07/26	08/01	Bacteria	(?)
Escambia	Bayou Chico	08/02	08/08	Bacteria	(?)
Escambia	Bayou Chico	08/09	08/15	Bacteria	(?)
Escambia	Bayou Chico	08/16	08/22	Bacteria	(?)
Escambia	Bayou Chico	08/23	08/29	Bacteria	(?)
Escambia	Bayou Chico	08/30	09/06	Bacteria	(?)
Escambia	Bayou Chico	09/07	09/12	Bacteria	(?)
Escambia	Bayou Chico	10/05	10/10	Bacteria	(?)
Escambia	Bayou Chico	10/11	10/17	Bacteria	(?)
Escambia	Bayou Chico	11/01	11/07	Bacteria	(?)
Escambia	Bayou Chico	11/08	11/14	Bacteria	(?)
Escambia	Bayou Chico	11/15	11/21	Bacteria	(?)
Escambia	Bayou Chico	11/22	11/28	Bacteria	(?)
Escambia	Bayou Chico	11/29	12/05	Bacteria	(?)
Escambia	Bayou Chico	12/06	12/12	Bacteria	(?)
Escambia	Bayou Chico	12/13	12/19	Bacteria	(?)
Escambia	Bayou Chico	12/20	12/26	Bacteria	(?)
Escambia	Bayou Chico	12/27	12/31	Bacteria	(?)
Escambia	Bayview Park	03/17	03/21	Bacteria	(?)
Escambia	Bayview Park	06/01	06/06	Bacteria	(?)
Escambia	Bayview Park	06/23	06/27	Bacteria	(?)
Escambia	Bayview Park	07/28	08/01	Bacteria	(?)
Escambia	Bayview Park	08/02	08/08	Bacteria	(?)
Escambia	Bayview Park	08/09	08/15	Bacteria	(?)
Escambia	Bayview Park	09/01	09/06	Bacteria	(?)
Escambia	Bayview Park	10/11	10/17	Bacteria	(?)
Escambia	Bayview Park	10/18	10/24	Bacteria	(?)
Escambia	Bayview Park	10/25	10/31	Bacteria	(?)
Escambia	Bayview Park	11/01	11/07	Bacteria	(?)
Escambia	Bayview Park	11/08	11/14	Bacteria	(?)
Escambia	Bayview Park	11/15	11/21	Bacteria	(?)
Escambia	Bayview Park	11/22	11/28	Bacteria	(?)
Escambia	Bayview Park	11/29	12/05	Bacteria	(?)
Escambia	Bayview Park	12/06	12/12	Bacteria	(?)
Escambia	Bayview Park	12/13	12/19	Bacteria	(?)
Escambia	Bayview Park	12/20	12/26	Bacteria	(?)
Escambia	Bayview Park	12/27	12/31	Bacteria	(?)
Escambia	Big Lagoon State Park	03/17	03/21	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Escambia	Navy Point (Bayou Grande)	01/01	01/04	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	01/05	01/11	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	01/26	02/01	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	02/02	02/08	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	02/25	02/29	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	03/01	03/07	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	03/08	03/14	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	03/15	03/21	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	03/22	03/28	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	06/01	06/06	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	06/16	06/20	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	07/28	08/01	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	08/09	08/15	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	08/16	08/22	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	08/23	08/29	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	08/30	09/06	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	09/07	09/12	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	10/05	10/10	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	10/11	10/17	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	11/01	11/07	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	11/08	11/14	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	11/22	11/28	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	11/29	12/05	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	12/06	12/12	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	12/13	12/19	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	12/20	12/26	Bacteria	(?)
Escambia	Navy Point (Bayou Grande)	12/27	12/31	Bacteria	(?)
Escambia	Quietwater Beach (Santa Rosa Sound)	10/05	10/06	Bacteria	(?)
Escambia	Quietwater Beach (Santa Rosa Sound)	10/07	10/10	Bacteria	(?)
Escambia	Sanders Beach	06/01	06/06	Bacteria	(?)
Escambia	Sanders Beach	06/14	06/20	Bacteria	(?)
Escambia	Sanders Beach	06/21	06/27	Bacteria	(?)
Escambia	Sanders Beach	06/28	07/05	Bacteria	(?)
Escambia	Sanders Beach	07/06	07/12	Bacteria	(?)
Escambia	Sanders Beach	07/13	07/18	Bacteria	(?)
Escambia	Sanders Beach	09/01	09/06	Bacteria	(?)
Escambia	Sanders Beach	10/05	10/10	Bacteria	(?)
Escambia	Sanders Beach	10/11	10/17	Bacteria	(?)
Escambia	Sanders Beach	10/18	10/24	Bacteria	(?)
Escambia	Sanders Beach	12/13	12/19	Bacteria	(?)
Franklin	Alligator Point	01/05	01/11	Bacteria	(?)
Franklin	Alligator Point	01/26	02/01	Bacteria	(?)
Franklin	Alligator Point	02/02	02/08	Bacteria	(?)
Franklin	Alligator Point	02/16	02/22	Bacteria	(?)
Franklin	Alligator Point	02/23	02/29	Bacteria	(?)
Franklin	Alligator Point	03/01	03/07	Bacteria	(?)
Franklin	Alligator Point	03/08	03/14	Bacteria	(?)
Franklin	Alligator Point	03/15	03/21	Bacteria	(?)
Franklin	Alligator Point	03/22	03/28	Bacteria	(?)
Franklin	Alligator Point	03/29	04/04	Bacteria	(?)
Franklin	Alligator Point	04/05	04/11	Bacteria	(?)
Franklin	Alligator Point	04/12	04/18	Bacteria	(?)
Franklin	Alligator Point	04/19	04/25	Bacteria	(?)
Franklin	Alligator Point	07/12	07/18	Bacteria	(?)
Franklin	Alligator Point	07/19	07/25	Bacteria	(?)
Franklin	Alligator Point	07/26	08/01	Bacteria	(?)
Franklin	Alligator Point	08/02	08/08	Bacteria	(?)
Franklin	Alligator Point	08/09	08/15	Bacteria	(?)
Franklin	Alligator Point	08/16	08/22	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Franklin	Alligator Point	08/23	08/29	Bacteria	(?)
Franklin	Alligator Point	08/30	09/05	Bacteria	(?)
Franklin	Alligator Point	09/06	09/12	Bacteria	(?)
Franklin	Alligator Point	09/13	09/19	Bacteria	(?)
Franklin	Alligator Point	09/20	09/26	Bacteria	(?)
Franklin	Alligator Point	09/27	10/03	Bacteria	(?)
Franklin	Alligator Point	10/04	10/10	Bacteria	(?)
Franklin	Alligator Point	10/11	10/17	Bacteria	(?)
Franklin	Alligator Point	10/18	10/24	Bacteria	(?)
Franklin	Alligator Point	10/25	10/31	Bacteria	(?)
Franklin	Alligator Point	11/01	11/08	Bacteria	(?)
Franklin	Alligator Point	11/09	11/15	Bacteria	(?)
Franklin	Alligator Point	11/16	11/22	Bacteria	(?)
Franklin	Carrabelle Beach	01/05	01/11	Bacteria	(?)
Franklin	Carrabelle Beach	01/26	02/01	Bacteria	(?)
Franklin	Carrabelle Beach	02/16	02/22	Bacteria	(?)
Franklin	Carrabelle Beach	03/01	03/07	Bacteria	(?)
Franklin	Carrabelle Beach	03/08	03/14	Bacteria	(?)
Franklin	Carrabelle Beach	03/15	03/21	Bacteria	(?)
Franklin	Carrabelle Beach	03/29	04/04	Bacteria	(?)
Franklin	Carrabelle Beach	04/05	04/11	Bacteria	(?)
Franklin	Carrabelle Beach	04/19	04/25	Bacteria	(?)
Franklin	Carrabelle Beach	04/26	05/02	Bacteria	(?)
Franklin	Carrabelle Beach	07/12	07/18	Bacteria	(?)
Franklin	Carrabelle Beach	08/09	08/15	Bacteria	(?)
Franklin	Carrabelle Beach	08/16	08/22	Bacteria	(?)
Franklin	Carrabelle Beach	08/23	08/29	Bacteria	(?)
Franklin	Carrabelle Beach	08/30	09/05	Bacteria	(?)
Franklin	Carrabelle Beach	09/06	09/12	Bacteria	(?)
Franklin	St. George Island 11th St. East	01/05	01/11	Bacteria	(?)
Franklin	St. George Island 11th St. East	01/26	02/01	Bacteria	(?)
Franklin	St. George Island 11th St. East	02/02	02/08	Bacteria	(?)
Franklin	St. George Island 11th St. East	02/09	02/15	Bacteria	(?)
Franklin	St. George Island 11th St. East	02/16	02/22	Bacteria	(?)
Franklin	St. George Island 11th St. East	02/23	02/29	Bacteria	(?)
Franklin	St. George Island 11th St. East	03/22	03/28	Bacteria	(?)
Franklin	St. George Island 11th St. East	03/29	04/04	Bacteria	(?)
Franklin	St. George Island 11th St. East	04/05	04/11	Bacteria	(?)
Franklin	St. George Island 11th St. East	04/12	04/18	Bacteria	(?)
Franklin	St. George Island 11th St. West	01/05	01/11	Bacteria	(?)
Franklin	St. George Island 11th St. West	02/02	02/08	Bacteria	(?)
Franklin	St. George Island 11th St. West	03/29	04/04	Bacteria	(?)
Franklin	St. George Island Franklin St.	01/01	01/04	Bacteria	(?)
Franklin	St. George Island Franklin St.	01/05	01/11	Bacteria	(?)
Franklin	St. George Island Franklin St.	01/19	01/25	Bacteria	(?)
Franklin	St. George Island Franklin St.	01/26	02/01	Bacteria	(?)
Franklin	St. George Island Franklin St.	02/02	02/08	Bacteria	(?)
Franklin	St. George Island Franklin St.	02/09	02/15	Bacteria	(?)
Franklin	St. George Island Franklin St.	02/16	02/22	Bacteria	(?)
Franklin	St. George Island Franklin St.	02/23	02/29	Bacteria	(?)
Franklin	St. George Island Franklin St.	03/01	03/07	Bacteria	(?)
Franklin	St. George Island Franklin St.	03/22	03/28	Bacteria	(?)
Franklin	St. George Island Franklin St.	03/29	04/04	Bacteria	(?)
Franklin	St. George Island Franklin St.	04/05	04/11	Bacteria	(?)
Franklin	St. George Island Franklin St.	04/12	04/18	Bacteria	(?)
Franklin	St. George Island Franklin St.	04/19	04/25	Bacteria	(?)
Franklin	St. George Island Franklin St.	09/06	09/12	Bacteria	(?)
Gulf	Monument Beach	08/02	08/08	Bacteria	(?)
Hernando	Pine Island	01/01	01/04	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Hernando	Pine Island	01/05	01/13	Bacteria	(?)
Hernando	Pine Island	01/14	01/18	Bacteria	(?)
Hernando	Pine Island	01/21	01/27	Bacteria	(?)
Hernando	Pine Island	01/28	02/03	Bacteria	(?)
Hernando	Pine Island	02/04	02/10	Bacteria	(?)
Hernando	Pine Island	02/11	02/17	Bacteria	(?)
Hernando	Pine Island	02/25	03/02	Bacteria	(?)
Hernando	Pine Island	08/04	08/08	Bacteria	(?)
Hernando	Pine Island	10/20	10/24	Bacteria	(?)
Hernando	Pine Island	12/08	12/12	Bacteria	(?)
Hillsborough	Bahia Beach	09/07	09/12	Bacteria	(?)
Hillsborough	Bahia Beach	09/13	09/19	Bacteria	(?)
Hillsborough	Ben T. Davis North	08/18	08/22	Bacteria	(?)
Hillsborough	Ben T. Davis North	09/07	09/12	Bacteria	(?)
Hillsborough	Ben T. Davis North	09/13	09/19	Bacteria	(?)
Hillsborough	Ben T. Davis South	09/27	10/03	Bacteria	(?)
Hillsborough	Cypress Point North	09/07	09/12	Bacteria	(?)
Hillsborough	Cypress Point North	09/27	10/03	Bacteria	(?)
Hillsborough	Cypress Point South	09/07	09/12	Bacteria	(?)
Hillsborough	Davis Island	05/12	05/16	Bacteria	(?)
Hillsborough	Davis Island	09/07	09/12	Bacteria	(?)
Hillsborough	Davis Island	09/13	09/19	Bacteria	(?)
Hillsborough	Davis Island	09/20	09/26	Bacteria	(?)
Hillsborough	Davis Island	09/27	10/03	Bacteria	(?)
Hillsborough	Picnic Island North	09/13	09/19	Bacteria	(?)
Hillsborough	Picnic Island North	11/22	11/28	Bacteria	(?)
Hillsborough	Picnic Island South	06/30	07/04	Bacteria	(?)
Hillsborough	Picnic Island South	07/14	07/18	Bacteria	(?)
Hillsborough	Picnic Island South	07/28	08/01	Bacteria	(?)
Hillsborough	Picnic Island South	08/11	08/15	Bacteria	(?)
Hillsborough	Picnic Island South	09/13	09/19	Bacteria	(?)
Indian River	Coconut Point Sebastian Inlet	03/08	03/09	Bacteria	(?)
Indian River	Coconut Point Sebastian Inlet	03/22	03/23	Bacteria	(?)
Indian River	Coconut Point Sebastian Inlet	09/15	09/16	Bacteria	(?)
Indian River	Coconut Point Sebastian Inlet	12/27	12/28	Bacteria	(?)
Indian River	Humiston Beach	03/08	03/09	Bacteria	(?)
Indian River	Humiston Beach	09/21	09/21	Bacteria	(?)
Indian River	Humiston Beach	10/11	10/14	Bacteria	(?)
Indian River	Humiston Beach	10/15	10/17	Bacteria	(?)
Indian River	Humiston Beach	12/27	12/28	Bacteria	(?)
Indian River	Sexton Plaza	01/05	01/06	Bacteria	(?)
Indian River	Sexton Plaza	03/29	03/30	Bacteria	(?)
Indian River	Sexton Plaza	03/31	04/04	Bacteria	(?)
Indian River	Sexton Plaza	04/05	04/07	Bacteria	(?)
Indian River	Sexton Plaza	04/08	04/12	Bacteria	(?)
Indian River	Sexton Plaza	07/12	07/14	Bacteria	(?)
Indian River	Sexton Plaza	10/05	10/06	Bacteria	(?)
Indian River	Sexton Plaza	10/11	10/14	Bacteria	(?)
Indian River	Sexton Plaza	10/15	10/17	Bacteria	(?)
Indian River	Sexton Plaza	10/18	10/24	Bacteria	(?)
Indian River	Sexton Plaza	12/27	12/28	Bacteria	(?)
Indian River	South Beach Park	12/27	12/28	Bacteria	(?)
Levy	Cedar Key Beach	02/02	02/08	Bacteria	(?)
Levy	Cedar Key Beach	03/01	03/07	Bacteria	(?)
Levy	Cedar Key Beach	03/15	03/21	Bacteria	(?)
Levy	Cedar Key Beach	03/22	03/28	Bacteria	(?)
Levy	Cedar Key Beach	03/29	04/04	Bacteria	(?)
Levy	Cedar Key Beach	04/05	04/11	Bacteria	(?)
Levy	Cedar Key Beach	04/12	04/18	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Levy	Cedar Key Beach	04/19	04/25	Bacteria	(?)
Levy	Cedar Key Beach	04/26	05/02	Bacteria	(?)
Levy	Cedar Key Beach	05/03	05/09	Bacteria	(?)
Levy	Cedar Key Beach	05/10	05/16	Bacteria	(?)
Levy	Cedar Key Beach	06/28	07/04	Bacteria	(?)
Levy	Cedar Key Beach	07/26	08/01	Bacteria	(?)
Levy	Cedar Key Beach	09/15	09/26	Bacteria	(?)
Levy	Cedar Key Beach	10/18	10/24	Bacteria	(?)
Levy	Cedar Key Beach	10/25	10/31	Bacteria	(?)
Levy	Cedar Key Beach	11/01	11/07	Bacteria	(?)
Levy	Cedar Key Beach	11/08	11/14	Bacteria	(?)
Levy	Cedar Key Beach	11/15	11/21	Bacteria	(?)
Levy	Cedar Key Beach	12/13	12/19	Bacteria	(?)
Manatee	Bay Front Park South	02/02	02/08	Bacteria	(?)
Manatee	Bay Front Park South	02/09	02/15	Bacteria	(?)
Manatee	Bay Front Park South	02/16	02/22	Bacteria	(?)
Manatee	Palma Sola North	02/09	02/15	Bacteria	(?)
Manatee	Palma Sola North	02/16	02/22	Bacteria	(?)
Manatee	Palma Sola North	02/23	02/29	Bacteria	(?)
Manatee	Palma Sola North	03/01	03/07	Bacteria	(?)
Manatee	Palma Sola North	03/08	03/14	Bacteria	(?)
Manatee	Palma Sola North	03/15	03/21	Bacteria	(?)
Manatee	Palma Sola North	03/22	03/28	Bacteria	(?)
Manatee	Palma Sola North	03/29	04/04	Bacteria	(?)
Manatee	Palma Sola South	07/19	07/20	Bacteria	(?)
Manatee	Palma Sola South	07/21	07/25	Bacteria	(?)
Manatee	Palma Sola South	07/26	08/01	Bacteria	(?)
Manatee	Palma Sola South	08/02	08/08	Bacteria	(?)
Manatee	Palma Sola South	08/09	08/16	Bacteria	(?)
Manatee	Palma Sola South	09/08	09/08	Bacteria	(?)
Manatee	Palma Sola South	09/09	09/12	Bacteria	(?)
Martin	Jensen Beach Causeway East	09/21	09/22	Bacteria	(?)
Martin	Jensen Beach Causeway East	09/23	09/28	Bacteria	(?)
Martin	Roosevelt Bridge	09/13	09/14	Bacteria	(?)
Martin	Roosevelt Bridge	09/15	09/20	Bacteria	(?)
Martin	Roosevelt Bridge	09/15	09/20	Bacteria	(?)
Martin	Roosevelt Bridge	09/21	09/22	Bacteria	(?)
Martin	Roosevelt Bridge	09/23	09/28	Bacteria	(?)
Martin	Roosevelt Bridge	09/29	10/05	Bacteria	(?)
Martin	Roosevelt Bridge	10/06	10/10	Bacteria	(?)
Martin	Roosevelt Bridge	10/11	10/17	Bacteria	(?)
Martin	Roosevelt Bridge	10/18	10/24	Bacteria	(?)
Martin	Roosevelt Bridge	10/25	10/31	Bacteria	(?)
Martin	Roosevelt Bridge	11/01	11/07	Bacteria	(?)
Martin	Roosevelt Bridge	11/08	11/14	Bacteria	(?)
Martin	Roosevelt Bridge	11/15	11/16	Bacteria	(?)
Martin	Roosevelt Bridge	11/17	11/21	Bacteria	(?)
Martin	Roosevelt Bridge	11/22	11/28	Bacteria	(?)
Martin	Roosevelt Bridge	11/29	12/05	Bacteria	(?)
Martin	Roosevelt Bridge	12/06	12/12	Bacteria	(?)
Martin	Stuart Beach	09/29	10/05	Bacteria	(?)
Martin	Stuart Causeway	09/21	09/22	Bacteria	(?)
Martin	Stuart Causeway	09/23	09/28	Bacteria	(?)
Miami-Dade	Collins Park/21st St.	01/27	01/27	Bacteria	(?)
Miami-Dade	Collins Park/21st St.	01/28	02/01	Bacteria	(?)
Miami-Dade	Crandon Park/Key Biscayne	03/24	03/24	Bacteria	(?)
Miami-Dade	Haulover Beach	01/27	01/27	Bacteria	(?)
Miami-Dade	Haulover Beach	01/28	02/01	Bacteria	(?)
Miami-Dade	Hobie Beach	10/27	10/27	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Miami-Dade	Hobie Beach	12/22	12/27	Bacteria	(?)
Miami-Dade	Matheson Hammock	10/27	10/27	Bacteria	(?)
Miami-Dade	North Shore Ocean Terrace	01/27	01/27	Bacteria	(?)
Miami-Dade	North Shore Ocean Terrace	01/28	01/28	Bacteria	(?)
Miami-Dade	Surfside Beach/ 93rd St.	02/24	02/24	Bacteria	(?)
Miami-Dade	Surfside Beach/93rd St.	02/25	02/25	Bacteria	(?)
Miami-Dade	Surfside Beach/93rd St.	02/26	02/29	Bacteria	(?)
Monroe	Anne's Beach	10/05	10/10	Bacteria	(?)
Monroe	Anne's Beach	11/01	11/08	Bacteria	(?)
Monroe	Bahia Honda Bayside	04/20	04/26	Bacteria	(?)
Monroe	Bahia Honda Bayside	08/03	08/09	Bacteria	(?)
Monroe	Bahia Honda Sandspur	08/31	09/06	Bacteria	(?)
Monroe	Coco Plum Beach	05/18	05/24	Bacteria	(?)
Monroe	Coco Plum Beach	06/01	06/07	Bacteria	(?)
Monroe	Coco Plum Beach	09/07	09/13	Bacteria	(?)
Monroe	Founder's Park Beach	04/13	04/19	Bacteria	(?)
Monroe	Founder's Park Beach	10/05	10/11	Bacteria	(?)
Monroe	Founder's Park Beach	10/26	10/31	Bacteria	(?)
Monroe	Founder's Park Beach	11/01	11/08	Bacteria	(?)
Monroe	Ft. Zachary Taylor	05/18	05/24	Bacteria	(?)
Monroe	Ft. Zachary Taylor	06/29	06/30	Bacteria	(?)
Monroe	Harry Harris County Park	03/09	03/15	Bacteria	(?)
Monroe	Harry Harris County Park	04/13	04/19	Bacteria	(?)
Monroe	Harry Harris County Park	07/13	07/19	Bacteria	(?)
Monroe	Harry Harris County Park	07/27	08/02	Bacteria	(?)
Monroe	Higgs Beach	01/13	01/19	Bacteria	(?)
Monroe	Higgs Beach	04/13	04/19	Bacteria	(?)
Monroe	Higgs Beach	05/18	05/24	Bacteria	(?)
Monroe	Higgs Beach	06/15	06/21	Bacteria	(?)
Monroe	Higgs Beach	06/29	06/30	Bacteria	(?)
Monroe	Higgs Beach	07/01	07/05	Bacteria	(?)
Monroe	Higgs Beach	07/06	07/12	Bacteria	(?)
Monroe	Higgs Beach	07/13	07/19	Bacteria	(?)
Monroe	Higgs Beach	07/20	07/26	Bacteria	(?)
Monroe	Higgs Beach	07/27	08/02	Bacteria	(?)
Monroe	Higgs Beach	08/03	08/09	Bacteria	(?)
Monroe	Higgs Beach	08/10	08/16	Bacteria	(?)
Monroe	Higgs Beach	08/17	08/23	Bacteria	(?)
Monroe	Higgs Beach	08/24	08/30	Bacteria	(?)
Monroe	Higgs Beach	08/31	09/06	Bacteria	(?)
Monroe	Higgs Beach	09/14	09/20	Bacteria	(?)
Monroe	Higgs Beach	10/19	10/25	Bacteria	(?)
Monroe	Higgs Beach	11/16	11/22	Bacteria	(?)
Monroe	Higgs Beach	12/21	12/27	Bacteria	(?)
Monroe	Islamorada Public Library	06/01	06/07	Bacteria	(?)
Monroe	Islamorada Public Library	08/24	08/30	Bacteria	(?)
Monroe	Islamorada Public Library	12/07	12/13	Bacteria	(?)
Monroe	John Pennekamp State Park Cannon Beach	01/20	01/26	Bacteria	(?)
Monroe	John Pennekamp State Park Cannon Beach	07/27	08/02	Bacteria	(?)
Monroe	John Pennekamp State Park Cannon Beach	08/31	09/06	Bacteria	(?)
Monroe	Simonton Beach	03/30	04/05	Bacteria	(?)
Monroe	Simonton Beach	04/13	04/19	Bacteria	(?)
Monroe	Simonton Beach	08/03	08/09	Bacteria	(?)
Monroe	Simonton Beach	09/21	09/27	Bacteria	(?)
Monroe	Simonton Beach	09/28	10/04	Bacteria	(?)
Monroe	Simonton Beach	10/19	10/25	Bacteria	(?)
Monroe	Simonton Beach	11/30	12/06	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Monroe	Simonton Beach	12/28	12/31	Bacteria	(?)
Monroe	Smathers Beach	03/02	03/08	Bacteria	(?)
Monroe	Sombrero Beach	04/20	04/26	Bacteria	(?)
Monroe	Sombrero Beach	06/22	06/28	Bacteria	(?)
Monroe	South Beach	01/20	01/26	Bacteria	(?)
Monroe	South Beach	02/17	02/23	Bacteria	(?)
Monroe	South Beach	03/16	03/22	Bacteria	(?)
Monroe	South Beach	04/13	04/19	Bacteria	(?)
Monroe	South Beach	04/27	05/03	Bacteria	(?)
Monroe	South Beach	05/04	05/10	Bacteria	(?)
Monroe	South Beach	05/11	05/17	Bacteria	(?)
Monroe	South Beach	06/01	06/07	Bacteria	(?)
Monroe	South Beach	06/08	06/14	Bacteria	(?)
Monroe	South Beach	06/15	06/21	Bacteria	(?)
Monroe	South Beach	06/22	06/28	Bacteria	(?)
Monroe	South Beach	06/29	06/30	Bacteria	(?)
Monroe	South Beach	07/01	07/05	Bacteria	(?)
Monroe	South Beach	07/06	07/14	Bacteria	(?)
Monroe	South Beach	07/15	07/19	Bacteria	(?)
Monroe	South Beach	07/27	08/02	Bacteria	(?)
Monroe	South Beach	08/03	08/09	Bacteria	(?)
Monroe	South Beach	08/10	08/16	Bacteria	(?)
Monroe	South Beach	08/24	08/30	Bacteria	(?)
Monroe	South Beach	08/31	09/06	Bacteria	(?)
Monroe	South Beach	09/07	09/13	Bacteria	(?)
Monroe	South Beach	09/14	09/20	Bacteria	(?)
Monroe	South Beach	09/21	09/27	Bacteria	(?)
Monroe	South Beach	09/28	10/04	Bacteria	(?)
Monroe	South Beach	10/19	10/25	Bacteria	(?)
Monroe	South Beach	11/09	11/15	Bacteria	(?)
Monroe	South Beach	11/16	11/22	Bacteria	(?)
Monroe	South Beach	11/30	12/06	Bacteria	(?)
Monroe	Veteran's Beach	02/10	02/16	Bacteria	(?)
Monroe	Veteran's Beach	07/27	08/02	Bacteria	(?)
Monroe	Veteran's Beach	09/07	09/13	Bacteria	(?)
Nassau	Ocean Street	05/05	05/11	Bacteria	(?)
Nassau	South End	01/07	01/13	Bacteria	(?)
Nassau	South End	01/14	01/20	Bacteria	(?)
Okaloosa	Brackin Wayside	07/12	07/18	Bacteria	(?)
Okaloosa	Brackin Wayside	10/25	10/31	Bacteria	(?)
Okaloosa	Camp Timpoochee	02/02	02/08	Bacteria	(?)
Okaloosa	Camp Timpoochee	10/11	10/17	Bacteria	(?)
Okaloosa	East Pass	06/14	06/20	Bacteria	(?)
Okaloosa	East Pass	10/11	10/17	Bacteria	(?)
Okaloosa	East Pass	10/25	10/31	Bacteria	(?)
Okaloosa	Garniers	02/02	02/08	Bacteria	(?)
Okaloosa	Garniers	02/09	02/15	Bacteria	(?)
Okaloosa	Garniers	02/23	02/29	Bacteria	(?)
Okaloosa	Garniers	03/01	03/07	Bacteria	(?)
Okaloosa	Garniers	04/26	05/02	Bacteria	(?)
Okaloosa	Garniers	08/02	08/08	Bacteria	(?)
Okaloosa	Garniers	08/16	08/22	Bacteria	(?)
Okaloosa	Garniers	08/23	08/29	Bacteria	(?)
Okaloosa	Garniers	08/30	09/06	Bacteria	(?)
Okaloosa	Garniers	10/04	10/10	Bacteria	(?)
Okaloosa	Garniers	10/11	10/17	Bacteria	(?)
Okaloosa	Garniers	10/18	10/24	Bacteria	(?)
Okaloosa	Garniers	10/25	10/31	Bacteria	(?)
Okaloosa	Garniers	11/01	11/07	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Okaloosa	Garniers	11/08	11/14	Bacteria	(?)
Okaloosa	Garniers	11/15	11/21	Bacteria	(?)
Okaloosa	Garniers	11/22	11/28	Bacteria	(?)
Okaloosa	Garniers	11/29	12/05	Bacteria	(?)
Okaloosa	Garniers	12/06	12/12	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	07/26	08/01	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	08/02	08/08	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	08/16	08/22	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	08/23	08/29	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	08/30	09/06	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	10/04	10/10	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	10/11	10/17	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	10/18	10/24	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	10/25	10/31	Bacteria	(?)
Okaloosa	Gulf Island National Seashore	11/01	11/07	Bacteria	(?)
Okaloosa	Henderson State Park Beach	06/14	06/20	Bacteria	(?)
Okaloosa	Henderson State Park Beach	10/11	10/17	Bacteria	(?)
Okaloosa	James Lee Park Beach	06/14	06/20	Bacteria	(?)
Okaloosa	James Lee Park Beach	10/11	10/17	Bacteria	(?)
Okaloosa	James Lee Park Beach	12/06	12/12	Bacteria	(?)
Okaloosa	Lincoln Park	02/16	02/22	Bacteria	(?)
Okaloosa	Lincoln Park	02/23	02/29	Bacteria	(?)
Okaloosa	Lincoln Park	03/01	03/07	Bacteria	(?)
Okaloosa	Lincoln Park	06/01	06/06	Bacteria	(?)
Okaloosa	Lincoln Park	06/07	06/13	Bacteria	(?)
Okaloosa	Lincoln Park	06/14	06/20	Bacteria	(?)
Okaloosa	Lincoln Park	06/21	06/27	Bacteria	(?)
Okaloosa	Lincoln Park	06/28	07/05	Bacteria	(?)
Okaloosa	Lincoln Park	07/06	07/11	Bacteria	(?)
Okaloosa	Lincoln Park	07/12	07/18	Bacteria	(?)
Okaloosa	Lincoln Park	07/19	07/25	Bacteria	(?)
Okaloosa	Lincoln Park	07/26	08/01	Bacteria	(?)
Okaloosa	Lincoln Park	08/02	08/08	Bacteria	(?)
Okaloosa	Lincoln Park	08/09	08/15	Bacteria	(?)
Okaloosa	Lincoln Park	08/16	08/22	Bacteria	(?)
Okaloosa	Lincoln Park	08/23	08/29	Bacteria	(?)
Okaloosa	Lincoln Park	08/30	09/06	Bacteria	(?)
Okaloosa	Lincoln Park	09/07	09/12	Bacteria	(?)
Okaloosa	Lincoln Park	09/13	09/19	Bacteria	(?)
Okaloosa	Lincoln Park	10/11	10/17	Bacteria	(?)
Okaloosa	Lincoln Park	10/18	10/24	Bacteria	(?)
Okaloosa	Lincoln Park	10/25	10/31	Bacteria	(?)
Okaloosa	Lincoln Park	11/01	11/07	Bacteria	(?)
Okaloosa	Lincoln Park	11/08	11/14	Bacteria	(?)
Okaloosa	Lincoln Park	11/15	11/21	Bacteria	(?)
Okaloosa	Lincoln Park	11/22	11/28	Bacteria	(?)
Okaloosa	Lincoln Park	11/29	12/05	Bacteria	(?)
Okaloosa	Lincoln Park	12/06	12/12	Bacteria	(?)
Okaloosa	Lincoln Park	12/13	12/19	Bacteria	(?)
Okaloosa	Lincoln Park	12/20	12/26	Bacteria	(?)
Okaloosa	Lincoln Park	12/27	12/31	Bacteria	(?)
Okaloosa	Liza Jackson Park	01/26	02/01	Bacteria	(?)
Okaloosa	Liza Jackson Park	04/26	05/02	Bacteria	(?)
Okaloosa	Liza Jackson Park	05/10	05/16	Bacteria	(?)
Okaloosa	Liza Jackson Park	05/17	05/23	Bacteria	(?)
Okaloosa	Liza Jackson Park	06/14	06/20	Bacteria	(?)
Okaloosa	Liza Jackson Park	06/21	06/27	Bacteria	(?)
Okaloosa	Liza Jackson Park	08/09	08/15	Bacteria	(?)
Okaloosa	Liza Jackson Park	08/16	08/22	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Okaloosa	Liza Jackson Park	08/23	08/29	Bacteria	(?)
Okaloosa	Liza Jackson Park	08/30	09/06	Bacteria	(?)
Okaloosa	Liza Jackson Park	09/07	09/12	Bacteria	(?)
Okaloosa	Liza Jackson Park	09/13	09/19	Bacteria	(?)
Okaloosa	Liza Jackson Park	10/04	10/10	Bacteria	(?)
Okaloosa	Liza Jackson Park	10/11	10/17	Bacteria	(?)
Okaloosa	Liza Jackson Park	10/18	10/24	Bacteria	(?)
Okaloosa	Liza Jackson Park	10/25	10/31	Bacteria	(?)
Okaloosa	Liza Jackson Park	11/01	11/07	Bacteria	(?)
Okaloosa	Liza Jackson Park	11/08	11/14	Bacteria	(?)
Okaloosa	Liza Jackson Park	11/15	11/21	Bacteria	(?)
Okaloosa	Liza Jackson Park	11/22	11/28	Bacteria	(?)
Okaloosa	Liza Jackson Park	11/29	12/05	Bacteria	(?)
Okaloosa	Liza Jackson Park	12/06	12/12	Bacteria	(?)
Okaloosa	Liza Jackson Park	12/13	12/19	Bacteria	(?)
Okaloosa	Marlers Park	07/26	08/01	Bacteria	(?)
Okaloosa	Marlers Park	08/30	09/06	Bacteria	(?)
Okaloosa	Marlers Park	09/27	10/03	Bacteria	(?)
Okaloosa	Marlers Park	10/11	10/17	Bacteria	(?)
Okaloosa	Marlers Park	10/18	10/24	Bacteria	(?)
Okaloosa	Marlers Park	10/25	10/31	Bacteria	(?)
Okaloosa	Marlers Park	11/01	11/07	Bacteria	(?)
Okaloosa	Marlers Park	11/08	11/14	Bacteria	(?)
Okaloosa	Marlers Park	11/29	12/05	Bacteria	(?)
Okaloosa	Poquito Park	04/26	05/02	Bacteria	(?)
Okaloosa	Poquito Park	10/11	10/17	Bacteria	(?)
Okaloosa	Poquito Park	10/18	10/24	Bacteria	(?)
Okaloosa	Poquito Park	10/25	10/31	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	05/03	05/09	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	06/01	06/06	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	06/07	06/13	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	06/14	06/20	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	06/21	06/27	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	06/28	07/05	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	07/06	07/11	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	07/12	07/18	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	07/19	07/25	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	07/26	08/01	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	08/02	08/08	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	08/09	08/15	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	08/16	08/22	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	08/23	08/29	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	08/30	09/06	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	09/07	09/12	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	09/13	09/19	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	09/27	10/03	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	10/04	10/10	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	10/11	10/17	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	10/18	10/24	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	10/25	10/31	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	11/01	11/07	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	11/08	11/14	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	11/15	11/21	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	11/22	11/28	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	11/29	12/05	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	12/06	12/12	Bacteria	(?)
Okaloosa	Rocky Bayou/Fred Gannon State Park	12/20	12/26	Bacteria	(?)
Palm Beach	Dubois Park	09/08	09/12	Bacteria	(?)
Palm Beach	Dubois Park	09/13	09/14	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Palm Beach	Dubois Park	09/15	09/15	Bacteria	(?)
Palm Beach	Phil Foster Park	01/01	01/01	Bacteria	(?)
Palm Beach	Phil Foster Park	01/02	01/02	Bacteria	(?)
Palm Beach	Phil Foster Park	01/03	01/04	Bacteria	(?)
Palm Beach	Phil Foster Park	01/05	01/05	Bacteria	(?)
Palm Beach	Phil Foster Park	01/06	01/06	Bacteria	(?)
Palm Beach	Phil Foster Park	01/07	01/07	Bacteria	(?)
Palm Beach	Phil Foster Park	01/08	01/11	Bacteria	(?)
Palm Beach	Phil Foster Park	01/12	01/12	Bacteria	(?)
Palm Beach	Phil Foster Park	01/13	01/13	Bacteria	(?)
Palm Beach	Phil Foster Park	01/14	01/14	Bacteria	(?)
Palm Beach	Phil Foster Park	01/15	01/18	Bacteria	(?)
Palm Beach	Phil Foster Park	01/19	01/20	Bacteria	(?)
Palm Beach	Phil Foster Park	01/21	01/22	Bacteria	(?)
Palm Beach	Phil Foster Park	01/23	01/25	Bacteria	(?)
Palm Beach	Phil Foster Park	01/26	01/26	Bacteria	(?)
Palm Beach	Phil Foster Park	01/27	01/27	Bacteria	(?)
Palm Beach	Phil Foster Park	01/28	01/28	Bacteria	(?)
Palm Beach	Phil Foster Park	01/29	02/01	Bacteria	(?)
Palm Beach	Phil Foster Park	02/02	02/02	Bacteria	(?)
Palm Beach	Phil Foster Park	02/03	02/03	Bacteria	(?)
Palm Beach	Phil Foster Park	02/04	02/04	Bacteria	(?)
Palm Beach	Phil Foster Park	02/05	02/08	Bacteria	(?)
Palm Beach	Phil Foster Park	02/09	02/09	Bacteria	(?)
Palm Beach	Phil Foster Park	02/10	02/10	Bacteria	(?)
Palm Beach	Phil Foster Park	02/11	02/11	Bacteria	(?)
Palm Beach	Phil Foster Park	02/12	02/15	Bacteria	(?)
Palm Beach	Phil Foster Park	02/16	02/16	Bacteria	(?)
Palm Beach	Phil Foster Park	02/17	02/17	Bacteria	(?)
Palm Beach	Phil Foster Park	02/18	02/18	Bacteria	(?)
Palm Beach	Phil Foster Park	02/19	02/22	Bacteria	(?)
Palm Beach	Phil Foster Park	02/23	02/23	Bacteria	(?)
Palm Beach	Phil Foster Park	02/24	02/24	Bacteria	(?)
Palm Beach	Phil Foster Park	02/25	02/25	Bacteria	(?)
Palm Beach	Phil Foster Park	02/26	02/29	Bacteria	(?)
Palm Beach	Phil Foster Park	03/01	03/01	Bacteria	(?)
Palm Beach	Phil Foster Park	03/02	03/02	Bacteria	(?)
Palm Beach	Phil Foster Park	03/03	03/03	Bacteria	(?)
Palm Beach	Phil Foster Park	03/04	03/07	Bacteria	(?)
Palm Beach	Phil Foster Park	03/08	03/08	Bacteria	(?)
Palm Beach	Phil Foster Park	03/09	03/09	Bacteria	(?)
Palm Beach	Phil Foster Park	03/10	03/10	Bacteria	(?)
Palm Beach	Phil Foster Park	03/11	03/14	Bacteria	(?)
Palm Beach	Phil Foster Park	03/15	03/15	Bacteria	(?)
Palm Beach	Phil Foster Park	03/16	03/16	Bacteria	(?)
Palm Beach	Phil Foster Park	03/17	03/17	Bacteria	(?)
Palm Beach	Phil Foster Park	03/18	03/21	Bacteria	(?)
Palm Beach	Phil Foster Park	03/22	03/22	Bacteria	(?)
Palm Beach	Phil Foster Park	03/23	03/23	Bacteria	(?)
Palm Beach	Phil Foster Park	03/24	03/24	Bacteria	(?)
Palm Beach	Phil Foster Park	03/25	03/28	Bacteria	(?)
Palm Beach	Phil Foster Park	03/29	03/29	Bacteria	(?)
Palm Beach	Phil Foster Park	03/30	03/30	Bacteria	(?)
Palm Beach	Phil Foster Park	03/31	03/31	Bacteria	(?)
Palm Beach	Phil Foster Park	04/01	04/04	Bacteria	(?)
Palm Beach	Phil Foster Park	04/05	04/05	Bacteria	(?)
Palm Beach	Phil Foster Park	04/06	04/06	Bacteria	(?)
Palm Beach	Phil Foster Park	04/07	04/07	Bacteria	(?)
Palm Beach	Phil Foster Park	04/08	04/11	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Palm Beach	Phil Foster Park	04/12	04/12	Bacteria	(?)
Palm Beach	Phil Foster Park	04/13	04/13	Bacteria	(?)
Palm Beach	Phil Foster Park	09/08	09/12	Bacteria	(?)
Pasco	Anclote River Park Beach	08/09	08/15	Bacteria	(?)
Pasco	Brasher Park Beach	01/05	01/11	Bacteria	(?)
Pasco	Brasher Park Beach	01/12	01/19	Bacteria	(?)
Pasco	Brasher Park Beach	01/20	01/25	Bacteria	(?)
Pasco	Brasher Park Beach	01/26	02/01	Bacteria	(?)
Pasco	Brasher Park Beach	02/02	02/08	Bacteria	(?)
Pasco	Brasher Park Beach	02/09	02/15	Bacteria	(?)
Pasco	Brasher Park Beach	02/16	02/22	Bacteria	(?)
Pasco	Brasher Park Beach	02/23	02/29	Bacteria	(?)
Pasco	Brasher Park Beach	03/01	03/07	Bacteria	(?)
Pasco	Brasher Park Beach	03/08	03/14	Bacteria	(?)
Pasco	Brasher Park Beach	03/15	03/21	Bacteria	(?)
Pasco	Brasher Park Beach	03/22	03/28	Bacteria	(?)
Pasco	Brasher Park Beach	08/02	08/08	Bacteria	(?)
Pasco	Brasher Park Beach	08/23	08/29	Bacteria	(?)
Pasco	Energy And Marine Center	01/01	01/04	Bacteria	(?)
Pasco	Energy And Marine Center	01/05	01/11	Bacteria	(?)
Pasco	Energy And Marine Center	01/12	01/19	Bacteria	(?)
Pasco	Energy And Marine Center	01/20	01/25	Bacteria	(?)
Pasco	Energy And Marine Center	01/26	02/01	Bacteria	(?)
Pasco	Energy And Marine Center	02/02	02/08	Bacteria	(?)
Pasco	Energy And Marine Center	02/09	02/15	Bacteria	(?)
Pasco	Energy And Marine Center	02/16	02/22	Bacteria	(?)
Pasco	Energy And Marine Center	02/23	02/29	Bacteria	(?)
Pasco	Energy And Marine Center	03/01	03/07	Bacteria	(?)
Pasco	Energy And Marine Center	03/08	03/14	Bacteria	(?)
Pasco	Energy And Marine Center	03/22	03/28	Bacteria	(?)
Pasco	Energy And Marine Center	04/05	04/13	Bacteria	(?)
Pasco	Energy And Marine Center	07/21	07/25	Bacteria	(?)
Pasco	Energy And Marine Center	08/02	08/08	Bacteria	(?)
Pasco	Energy And Marine Center	08/09	08/15	Bacteria	(?)
Pasco	Energy And Marine Center	08/16	08/22	Bacteria	(?)
Pasco	Energy And Marine Center	08/23	08/29	Bacteria	(?)
Pasco	Energy And Marine Center	08/30	09/07	Bacteria	(?)
Pasco	Energy And Marine Center	09/08	09/12	Bacteria	(?)
Pasco	Energy And Marine Center	09/13	09/19	Bacteria	(?)
Pasco	Energy And Marine Center	09/20	09/27	Bacteria	(?)
Pasco	Energy And Marine Center	09/28	10/03	Bacteria	(?)
Pasco	Energy And Marine Center	10/04	10/12	Bacteria	(?)
Pasco	Energy And Marine Center	10/13	10/17	Bacteria	(?)
Pasco	Energy And Marine Center	11/15	11/21	Bacteria	(?)
Pasco	Energy And Marine Center	12/27	12/31	Bacteria	(?)
Pasco	Gulf Harbors Beach	10/11	10/17	Bacteria	(?)
Pasco	Oelsner Park Beach	02/02	02/08	Bacteria	(?)
Pasco	Oelsner Park Beach	02/16	02/22	Bacteria	(?)
Pasco	Oelsner Park Beach	03/01	03/07	Bacteria	(?)
Pasco	Oelsner Park Beach	03/15	03/21	Bacteria	(?)
Pasco	Oelsner Park Beach	07/26	08/01	Bacteria	(?)
Pasco	Oelsner Park Beach	08/02	08/08	Bacteria	(?)
Pasco	Oelsner Park Beach	08/09	08/15	Bacteria	(?)
Pasco	Oelsner Park Beach	08/16	08/22	Bacteria	(?)
Pasco	Oelsner Park Beach	08/23	08/29	Bacteria	(?)
Pasco	Oelsner Park Beach	08/30	09/05	Bacteria	(?)
Pasco	Oelsner Park Beach	09/13	09/19	Bacteria	(?)
Pasco	Oelsner Park Beach	09/20	09/27	Bacteria	(?)
Pasco	Oelsner Park Beach	09/28	10/03	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Pasco	Oelsner Park Beach	10/04	10/12	Bacteria	(?)
Pasco	Oelsner Park Beach	10/13	10/17	Bacteria	(?)
Pasco	Oelsner Park Beach	10/18	10/24	Bacteria	(?)
Pasco	Oelsner Park Beach	10/25	10/31	Bacteria	(?)
Pasco	Oelsner Park Beach	11/01	11/07	Bacteria	(?)
Pasco	Oelsner Park Beach	11/22	11/28	Bacteria	(?)
Pasco	Oelsner Park Beach	12/27	12/31	Bacteria	(?)
Pasco	Robert J. Strickland	06/01	06/06	Bacteria	(?)
Pasco	Robert J. Strickland	06/14	06/20	Bacteria	(?)
Pasco	Robert J. Strickland	06/28	07/05	Bacteria	(?)
Pasco	Robert J. Strickland	07/12	07/20	Bacteria	(?)
Pasco	Robert J. Strickland	07/21	07/25	Bacteria	(?)
Pasco	Robert J. Strickland	08/02	08/08	Bacteria	(?)
Pasco	Robert J. Strickland	08/16	08/22	Bacteria	(?)
Pasco	Robert J. Strickland	09/08	09/12	Bacteria	(?)
Pasco	Robert J. Strickland	09/13	09/19	Bacteria	(?)
Pasco	Robert J. Strickland	09/20	09/27	Bacteria	(?)
Pasco	Robert J. Strickland	09/28	10/03	Bacteria	(?)
Pasco	Robert J. Strickland	10/04	10/12	Bacteria	(?)
Pasco	Robert J. Strickland	10/13	10/17	Bacteria	(?)
Pasco	Robert J. Strickland	10/18	10/24	Bacteria	(?)
Pasco	Robert J. Strickland	10/25	10/31	Bacteria	(?)
Pasco	Robert J. Strickland	11/01	11/07	Bacteria	(?)
Pasco	Robert J. Strickland	11/08	11/14	Bacteria	(?)
Pasco	Robert J. Strickland	12/27	12/31	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	03/01	03/07	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	07/26	08/01	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	08/09	08/15	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	09/20	09/27	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	10/04	10/12	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	12/20	12/26	Bacteria	(?)
Pasco	Robert K. Rees Park Beach	12/27	12/31	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	02/26	03/01	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/03	09/08	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/09	09/13	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/14	09/15	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/16	09/20	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/21	09/22	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/23	09/27	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/28	09/29	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	09/30	10/04	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	10/05	10/06	Bacteria	(?)
Pinellas	Courtney Campbell Causeway	10/07	10/11	Bacteria	(?)
Pinellas	Fred Howard Beach	08/12	08/16	Bacteria	(?)
Pinellas	Gandy Boulevard	09/09	09/13	Bacteria	(?)
Pinellas	North Shore Beach	08/26	08/30	Bacteria	(?)
Pinellas	North Shore Beach	09/09	09/13	Bacteria	(?)
Pinellas	North Shore Beach	09/16	09/20	Bacteria	(?)
Pinellas	North Shore Beach	09/21	09/23	Bacteria	(?)
Pinellas	R.E. Olds Park	02/26	03/01	Bacteria	(?)
Pinellas	R.E. Olds Park	10/28	11/01	Bacteria	(?)
Pinellas	R.E. Olds Park	10/28	11/01	Bacteria	(?)
Pinellas	R.E. Olds Park	11/02	11/07	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Pinellas	Treasure Island Beach	12/09	12/13	Bacteria	(?)
Santa Rosa	Navarre Park	10/13	10/17	Bacteria	(?)
Santa Rosa	Navarre Park	10/18	10/24	Bacteria	(?)
Santa Rosa	Navarre Park	10/25	10/31	Bacteria	(?)
Santa Rosa	Navarre Park	11/01	11/07	Bacteria	(?)
Santa Rosa	Navarre Park	11/08	11/14	Bacteria	(?)
Santa Rosa	Navarre Park	11/15	11/21	Bacteria	(?)
Santa Rosa	Navarre Park	11/22	11/28	Bacteria	(?)
Santa Rosa	Shoreline Park	12/06	12/12	Bacteria	(?)
Santa Rosa	Woodlawn Beach	10/18	10/24	Bacteria	(?)
Santa Rosa	Woodlawn Beach	11/01	11/07	Bacteria	(?)
Santa Rosa	Woodlawn Beach	11/08	11/14	Bacteria	(?)
Santa Rosa	Woodlawn Beach	12/06	12/12	Bacteria	(?)
Sarasota	Ringling Causeway	03/16	03/17	Bacteria	(?)
Sarasota	Ringling Causeway	03/18	03/19	Bacteria	(?)
Sarasota	Ringling Causeway	07/22	07/25	Bacteria	(?)
Sarasota	Ringling Causeway	07/26	07/27	Bacteria	(?)
Sarasota	Ringling Causeway	07/28	07/29	Bacteria	(?)
Sarasota	Ringling Causeway	07/30	08/01	Bacteria	(?)
Sarasota	Ringling Causeway	08/02	08/03	Bacteria	(?)
Sarasota	Ringling Causeway	08/04	08/04	Bacteria	(?)
Sarasota	Ringling Causeway	08/05	08/05	Bacteria	(?)
Sarasota	Ringling Causeway	08/06	08/08	Bacteria	(?)
Sarasota	Ringling Causeway	08/09	08/09	Bacteria	(?)
Sarasota	Ringling Causeway	08/10	08/10	Bacteria	(?)
Sarasota	Ringling Causeway	08/11	08/16	Bacteria	(?)
Sarasota	Ringling Causeway	08/17	08/22	Bacteria	(?)
Sarasota	Siesta Key Public Beach	04/12	04/13	Bacteria	(?)
Sarasota	Turtle Beach	03/16	03/17	Bacteria	(?)
Sarasota	Venice Fishing Pier	05/03	05/04	Bacteria	(?)
St Johns	Matanzas Inlet	05/13	05/19	Bacteria	(?)
St Johns	Mickler's Landing	04/23	04/28	Bacteria	(?)
St Johns	Solano (Ponte Vedra Beach)	02/26	03/01	Bacteria	(?)
St Johns	St. Augustine Beach A Street	05/13	05/19	Bacteria	(?)
St Johns	St. Augustine Beach Ocean Trace	05/13	05/19	Bacteria	(?)
St Johns	Vilano Beach	05/13	05/19	Bacteria	(?)
Taylor	Cedar Island	01/05	01/11	Bacteria	(?)
Taylor	Cedar Island	07/05	07/11	Bacteria	(?)
Taylor	Cedar Island	07/12	07/18	Bacteria	(?)
Taylor	Cedar Island	07/19	07/25	Bacteria	(?)
Taylor	Cedar Island	07/26	08/01	Bacteria	(?)
Taylor	Cedar Island	08/02	08/08	Bacteria	(?)
Taylor	Cedar Island	08/09	08/15	Bacteria	(?)
Taylor	Cedar Island	08/16	08/22	Bacteria	(?)
Taylor	Cedar Island	08/23	08/29	Bacteria	(?)
Taylor	Cedar Island	08/30	09/05	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Taylor	Cedar Island	09/13	09/19	Bacteria	(?)
Taylor	Cedar Island	09/20	09/26	Bacteria	(?)
Taylor	Cedar Island	10/04	10/10	Bacteria	(?)
Taylor	Cedar Island	10/11	10/17	Bacteria	(?)
Taylor	Cedar Island	10/18	10/24	Bacteria	(?)
Taylor	Cedar Island	10/25	10/31	Bacteria	(?)
Taylor	Cedar Island	11/01	11/07	Bacteria	(?)
Taylor	Cedar Island	11/08	11/14	Bacteria	(?)
Taylor	Cedar Island	11/15	11/21	Bacteria	(?)
Taylor	Dekle Beach	01/05	01/11	Bacteria	(?)
Taylor	Dekle Beach	01/12	01/19	Bacteria	(?)
Taylor	Dekle Beach	01/20	01/25	Bacteria	(?)
Taylor	Dekle Beach	01/26	02/01	Bacteria	(?)
Taylor	Dekle Beach	02/02	02/08	Bacteria	(?)
Taylor	Dekle Beach	02/09	02/15	Bacteria	(?)
Taylor	Dekle Beach	02/16	02/22	Bacteria	(?)
Taylor	Dekle Beach	02/23	02/29	Bacteria	(?)
Taylor	Dekle Beach	03/01	03/07	Bacteria	(?)
Taylor	Dekle Beach	03/22	03/28	Bacteria	(?)
Taylor	Dekle Beach	04/05	04/11	Bacteria	(?)
Taylor	Dekle Beach	04/12	04/18	Bacteria	(?)
Taylor	Dekle Beach	04/19	04/25	Bacteria	(?)
Taylor	Dekle Beach	06/14	06/20	Bacteria	(?)
Taylor	Dekle Beach	07/05	07/11	Bacteria	(?)
Taylor	Dekle Beach	07/12	07/18	Bacteria	(?)
Taylor	Dekle Beach	07/19	07/25	Bacteria	(?)
Taylor	Dekle Beach	07/26	08/01	Bacteria	(?)
Taylor	Dekle Beach	08/02	08/08	Bacteria	(?)
Taylor	Dekle Beach	08/09	08/15	Bacteria	(?)
Taylor	Dekle Beach	08/16	08/22	Bacteria	(?)
Taylor	Dekle Beach	08/23	08/29	Bacteria	(?)
Taylor	Dekle Beach	08/30	09/05	Bacteria	(?)
Taylor	Dekle Beach	09/13	09/19	Bacteria	(?)
Taylor	Dekle Beach	09/20	09/26	Bacteria	(?)
Taylor	Dekle Beach	10/11	10/17	Bacteria	(?)
Taylor	Dekle Beach	10/18	10/24	Bacteria	(?)
Taylor	Dekle Beach	10/25	10/31	Bacteria	(?)
Taylor	Dekle Beach	11/01	11/07	Bacteria	(?)
Taylor	Dekle Beach	11/08	11/14	Bacteria	(?)
Taylor	Hagen's Cove	02/09	02/15	Bacteria	(?)
Taylor	Hagen's Cove	02/16	02/22	Bacteria	(?)
Taylor	Hagen's Cove	07/12	07/18	Bacteria	(?)
Taylor	Hagen's Cove	07/19	07/25	Bacteria	(?)
Taylor	Hagen's Cove	07/26	08/01	Bacteria	(?)
Taylor	Hagen's Cove	08/02	08/08	Bacteria	(?)
Taylor	Hagen's Cove	08/09	08/15	Bacteria	(?)
Taylor	Hagen's Cove	08/16	08/22	Bacteria	(?)
Taylor	Hagen's Cove	08/23	08/29	Bacteria	(?)
Taylor	Hagen's Cove	08/30	09/05	Bacteria	(?)
Taylor	Hagen's Cove	09/20	09/26	Bacteria	(?)
Taylor	Hagen's Cove	10/18	10/24	Bacteria	(?)
Taylor	Hagen's Cove	11/08	11/14	Bacteria	(?)
Taylor	Hagen's Cove	12/07	12/13	Bacteria	(?)
Taylor	Keaton Beach	01/01	01/04	Bacteria	(?)
Taylor	Keaton Beach	01/05	01/11	Bacteria	(?)
Taylor	Keaton Beach	01/12	01/19	Bacteria	(?)
Taylor	Keaton Beach	01/20	01/25	Bacteria	(?)
Taylor	Keaton Beach	01/26	02/01	Bacteria	(?)
Taylor	Keaton Beach	07/12	07/18	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Taylor	Keaton Beach	07/26	08/01	Bacteria	(?)
Taylor	Keaton Beach	08/02	08/08	Bacteria	(?)
Taylor	Keaton Beach	08/09	08/15	Bacteria	(?)
Taylor	Keaton Beach	08/23	08/29	Bacteria	(?)
Taylor	Keaton Beach	08/30	09/05	Bacteria	(?)
Taylor	Keaton Beach	09/13	09/19	Bacteria	(?)
Taylor	Keaton Beach	09/20	09/26	Bacteria	(?)
Volusia	Dunlawton, Daytona Beach Shores	02/17	02/18	Bacteria	(?)
Volusia	Dunlawton, Daytona Beach Shores	02/19	02/19	Bacteria	(?)
Volusia	Dunlawton, Daytona Beach Shores	02/20	02/22	Bacteria	(?)
Volusia	Florida Shores Blvd.	01/06	01/07	Bacteria	(?)
Volusia	Florida Shores Blvd.	01/08	01/12	Bacteria	(?)
Volusia	Florida Shores Blvd.	01/13	01/14	Bacteria	(?)
Volusia	Florida Shores Blvd.	01/20	01/21	Bacteria	(?)
Volusia	Florida Shores Blvd.	02/17	02/18	Bacteria	(?)
Volusia	Florida Shores Blvd.	02/19	02/19	Bacteria	(?)
Volusia	Florida Shores Blvd.	02/20	02/22	Bacteria	(?)
Volusia	Florida Shores Blvd.	02/24	02/25	Bacteria	(?)
Volusia	Florida Shores Blvd.	02/26	02/26	Bacteria	(?)
Volusia	Florida Shores Blvd.	02/27	02/29	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/13	01/14	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/15	01/15	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/16	01/19	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/20	01/21	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/22	01/22	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/23	01/25	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/26	01/26	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/27	01/28	Bacteria	(?)
Volusia	International Speedway, Daytona Beach	01/29	01/29	Bacteria	(?)
Volusia	Main, Daytona Beach	01/06	01/07	Bacteria	(?)
Volusia	Seabreeze/Daytona Beach	01/27	01/28	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	01/06	01/07	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	01/08	01/12	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	02/10	02/11	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	02/12	02/12	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	02/13	02/15	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	02/16	02/16	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	02/17	02/18	Bacteria	(?)
Volusia	Silver Beach/Daytona Beach	02/19	02/19	Bacteria	(?)
Wakulla	Mash Island	01/05	01/11	Bacteria	(?)
Wakulla	Mash Island	01/26	02/01	Bacteria	(?)
Wakulla	Mash Island	02/02	02/08	Bacteria	(?)
Wakulla	Mash Island	02/23	02/29	Bacteria	(?)
Wakulla	Mash Island	03/08	03/14	Bacteria	(?)
Wakulla	Mash Island	03/15	03/21	Bacteria	(?)
Wakulla	Mash Island	09/06	09/12	Bacteria	(?)
Wakulla	Mash Island	09/13	09/19	Bacteria	(?)
Wakulla	Mash Island	09/20	09/26	Bacteria	(?)
Wakulla	Mash Island	09/27	10/03	Bacteria	(?)
Wakulla	Mash Island	10/04	10/10	Bacteria	(?)
Wakulla	Mash Island	10/11	10/17	Bacteria	(?)
Wakulla	Mash Island	10/18	10/24	Bacteria	(?)
Wakulla	Shell Point Beach	01/05	01/11	Bacteria	(?)
Wakulla	Shell Point Beach	01/26	02/01	Bacteria	(?)
Wakulla	Shell Point Beach	03/01	03/07	Bacteria	(?)
Wakulla	Shell Point Beach	03/08	03/14	Bacteria	(?)
Wakulla	Shell Point Beach	03/15	03/21	Bacteria	(?)
Wakulla	Shell Point Beach	03/22	03/28	Bacteria	(?)
Wakulla	Shell Point Beach	03/29	04/04	Bacteria	(?)

County	Beach	Start Date	Stop Date	Cause	Source
Wakulla	Shell Point Beach	06/15	06/20	Bacteria	(?)
Wakulla	Shell Point Beach	08/09	08/15	Bacteria	(?)
Wakulla	Shell Point Beach	08/16	08/22	Bacteria	(?)
Wakulla	Shell Point Beach	09/06	09/12	Bacteria	(?)
Wakulla	Shell Point Beach	11/16	11/22	Bacteria	(?)
Walton	Choctaw Beach County Park	04/08	04/12	Bacteria	(?)
Walton	Choctaw Beach County Park	04/13	04/14	Bacteria	(?)
Walton	Choctaw Beach County Park	04/15	04/19	Bacteria	(?)
Walton	Choctaw Beach County Park	04/20	04/26	Bacteria	(?)
Walton	Choctaw Beach County Park	06/17	06/21	Bacteria	(?)
Walton	Choctaw Beach County Park	06/29	06/29	Bacteria	(?)
Walton	Choctaw Beach County Park	08/12	08/16	Bacteria	(?)

Abbreviations used: *Bacteria*, monitoring that revealed high bacteria levels; (?), unknown.

Total 2004 Florida Closing/Advisory Days: At least 3,345

Plus 22 extended and 4 permanent

Total Florida Closings/Advisories Including Extended Days: At least 4,691

Plus 4 permanent

Year	Beach Days Affected by Closings/Advisories (lasting less than 7 weeks)	Number of Extended Closings/Advisories (lasting 7 to 13 weeks)	Number of Permanent Closings/Advisories (lasting more than 13 weeks)
2004	3,345	22	4
2003	3,986	21	9
2002	1,745	7	8
2001	686	5	3
2000	527	9	8
1999	671	6	18
1998	1,868	3	5
1997	706	5	4
1996	174	2	1
1995	830	0	0
1994	215	0	0
1993	101	1	0
1992	773	1	0
1991	299	0	0

Notes

¹ Brian LaPointe, Harbor Branch Oceanographic Institution, Ft. Pierce, Florida, personal communication, April 20, 2005.

² 40 CFR Part 131, "Water Quality Standards for Coastal and Great Lakes Recreation Waters: Final Rule," November 16, 2004.

³ Bart L. Bibler, Florida Department of Health, Healthy Beaches Program, personal communication, June 24, 2005, and the Florida Healthy Beaches Program website: <http://esetapps.doh.state.fl.us/irm00beachwater/default.aspx>.

⁴ The EPA, "National List of Beaches," available at: <http://www.epa.gov/waterscience/beaches/list/list-of-beaches.pdf>, and Bart Bibler, personal communication, June 2004.

⁵ Norman L. Amoss, Florida Department of Health, personal communication, June 24, 2005.

⁶ Howard Rosen, Florida Department of Health, personal communication, June 24, 2005.