## Lake Watch Swim Alert



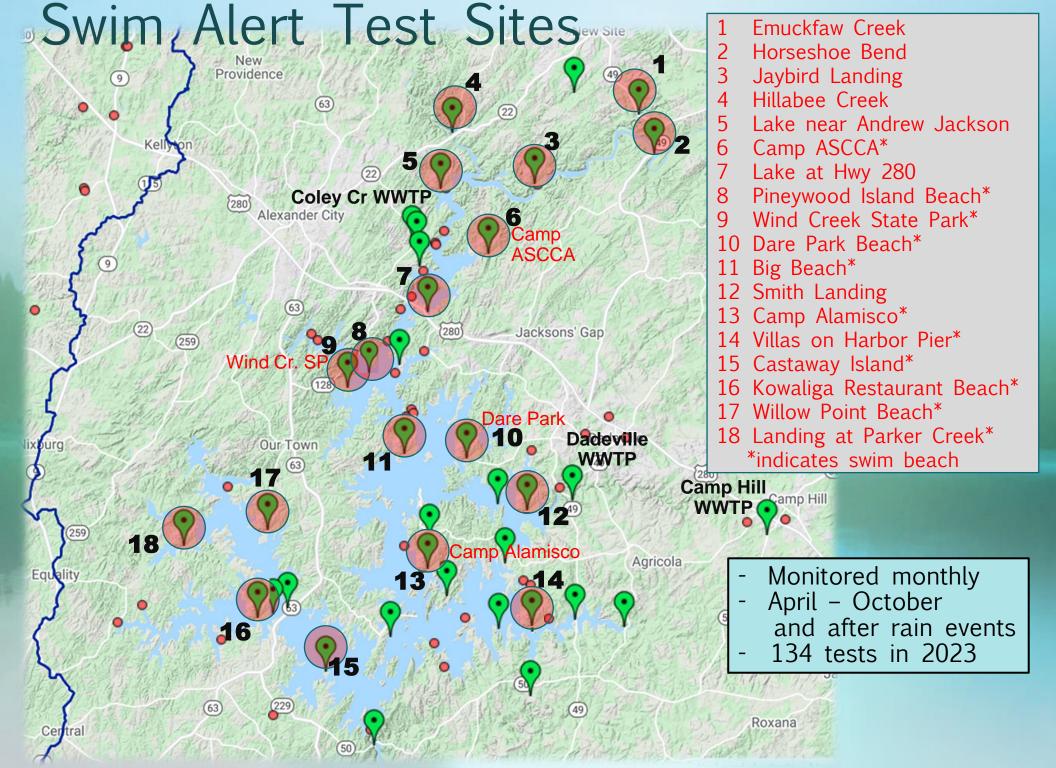
Eric Reutebuch
Lake Watch Annual Meeting
February 18, 2024

# KUDOS TO OUR MONITORS!

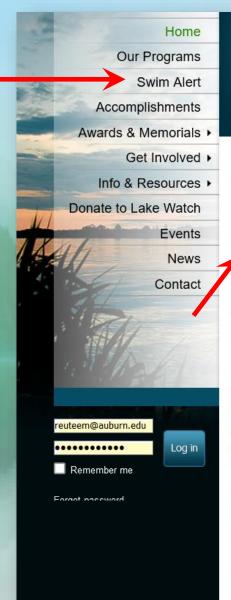
| Ann Campbell        |
|---------------------|
| Betty Cody          |
| Bill Butler         |
| Cheryl Losik        |
| Chris Wallace       |
| Clark Bernie        |
| Craig Holloway      |
| Dale Campo          |
| Dan Barnett         |
| Dave Maddox         |
| Ed Eiswerth         |
| Elaine Wallace      |
| Eric Reutebuch      |
| Janne Debes         |
| Jeff Knight         |
| Joanne Walker       |
| Joe Logan           |
| John Alsobrook      |
| John Clements       |
| Kathryn Braund      |
| Laura Farris        |
| Marci Logan         |
| Mary Leigh Meredith |
| Matt Campbell       |
| Mike Guillot        |
| Shani Smith         |
| Sherry Bernie       |
| Tammy Wheeler       |
| Tim Wheeler         |
| Wally Darneille     |
|                     |

# KUDOS TO AWW!





### Swim Alert



Lake Watch of Lake Martin

#### Protecting the Cleanest Lake in Alabama

\*LAKE WATCH SWIM ALERT\* - have fun and stay safe!

With 880 miles of shoreline and more than 40,000 surface acres, Lake Martin is the cleanest and most beautiful lake in Alabama and was designated by the state as the first (and only) "Treasured Alabama Lake."

Lake Watch is dedicated to preserving and improving the water quality of Lake Martin and surrounding waters. Lake Watch takes a proactive approach to protecting and enhancing the water quality of Lake Martin by working with governmental and non-governmental organizations within the Tallapoosa River Basin and throughout the state on water quality issues.



Check Out Our Lake Watch

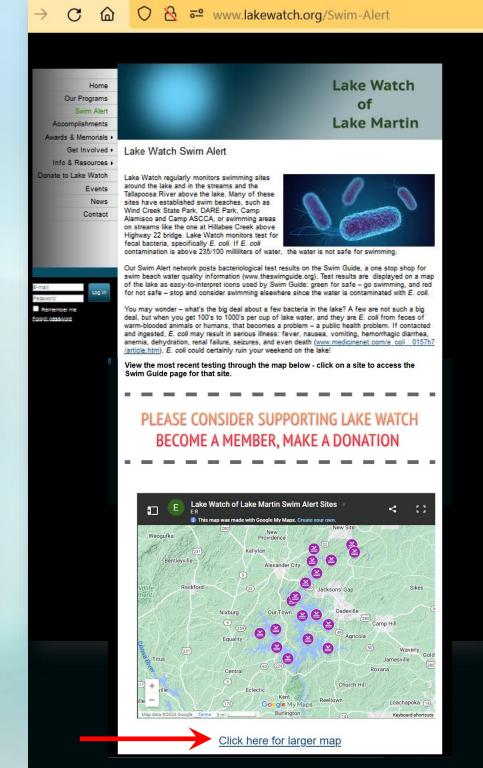
2022 Newsletter

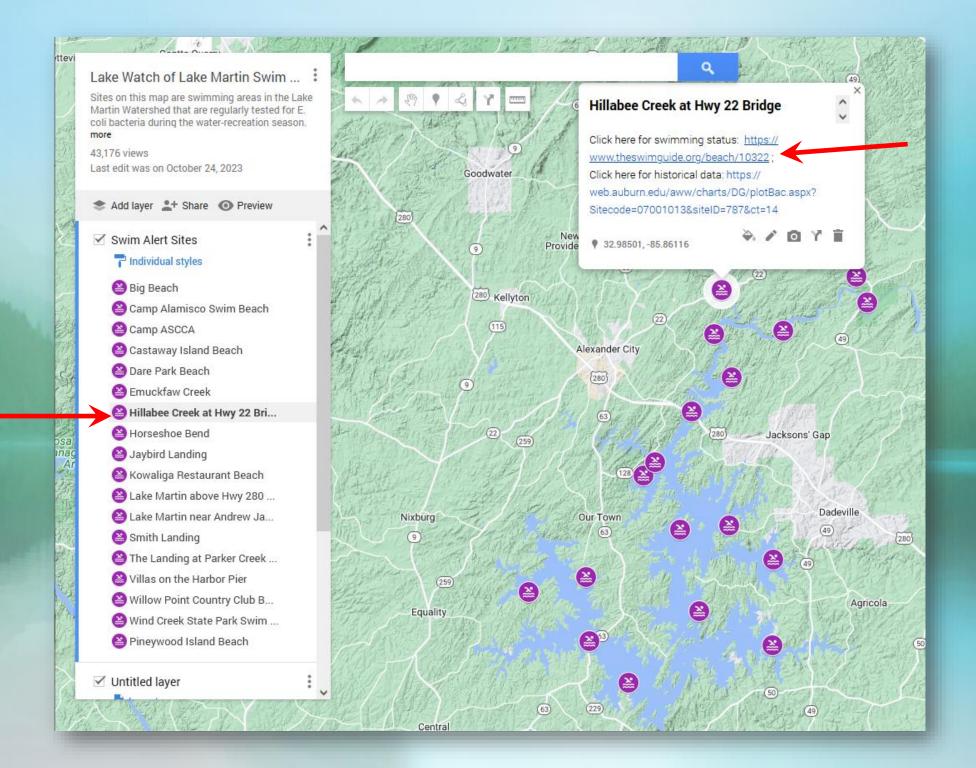
#### Lake Watch In The News:

Surprising results (from AU Microbial Source Tracking Study) (October, 2022)

E. coli prompts call for swim alert

# SWIM ALERT





#### Hillabee Creek at Hwy 22 Bridge

Alexander City, Alabama

Managed By: Lake Watch Of Lake Martin







Monitoring Frequency:

Water Quality Graph:

Historical Water Quality 6

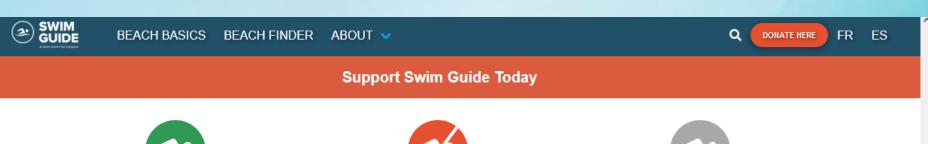
instantial mater quality

This status is based on the latest sample, take on October 16th, 2023 Lake Watch of Lake Martin updates the status of this beach as soon as test results become available. These results were posted to Swith Guide on October 17th at 53 TPM.

Hillabee Creek at Hwy 22 Bridge is sampled Monthly from April 1st to October 31st



### Water Quality Symbols Defined



Green means the beach's most recent test results met water quality standards

Red means the beach's most recent test results failed to meet water quality standards



Grey means water quality information for the beach is too old (more than one year old) to be considered current, or that info is unavailable or unreliable.

#### **Historical Status**

When swimming season is over, or when a beach's water quality data has not been updated on the normal schedule (e.g., weekly), it goes into historical status. This means that rather than displaying out-of-date data, it displays the beach's average water quality for that year.



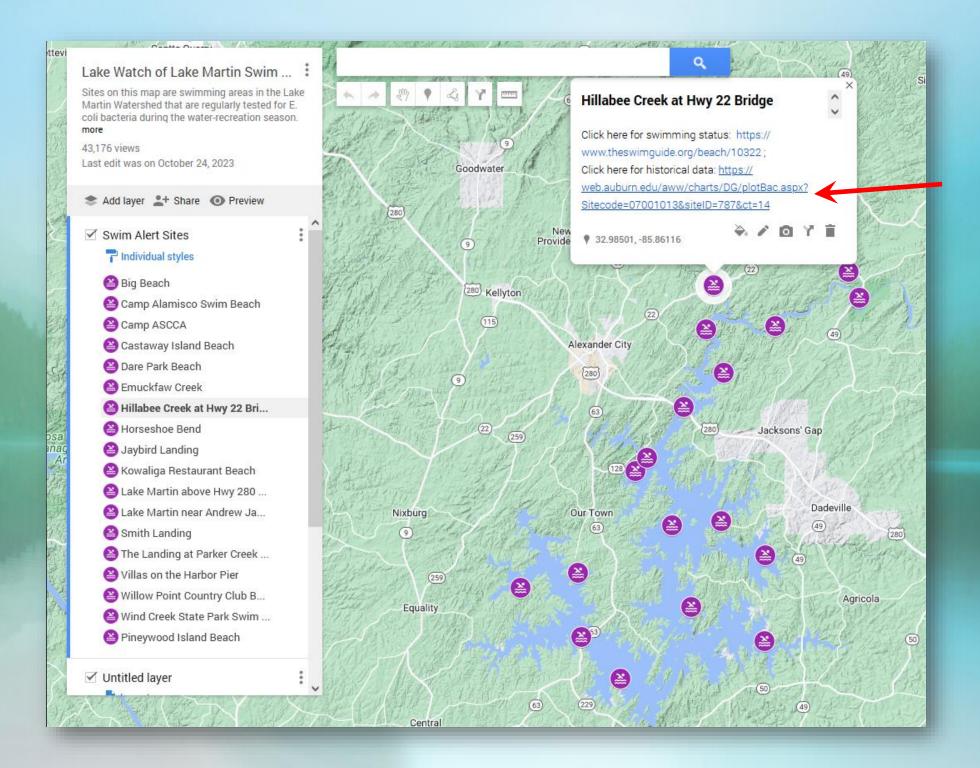
Green means the beach passed water quality tests 95% of the time or more



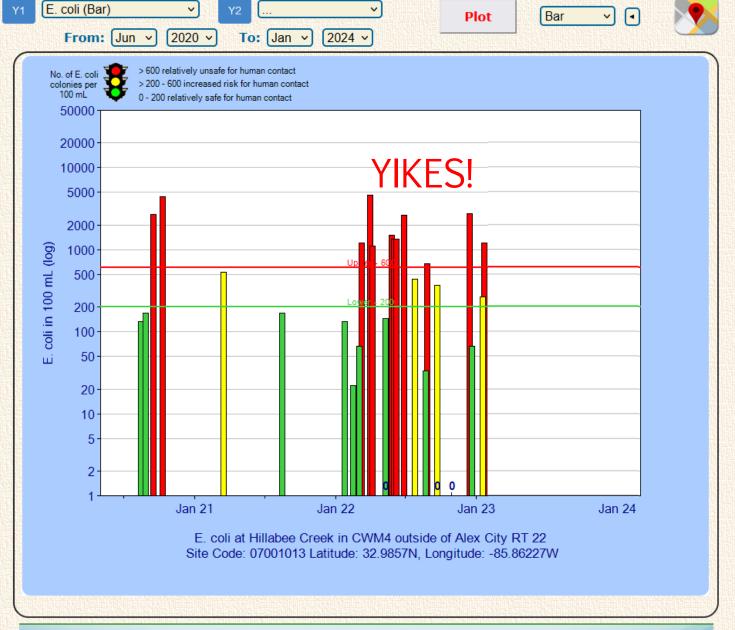
Yellow means the beach passed water quality tests 60–95% of the time



Red means the beach failed water quality tests 40% of the time or more



#### AWW Database (2020-1/2203)







### AWW Database (2020-1/2024)



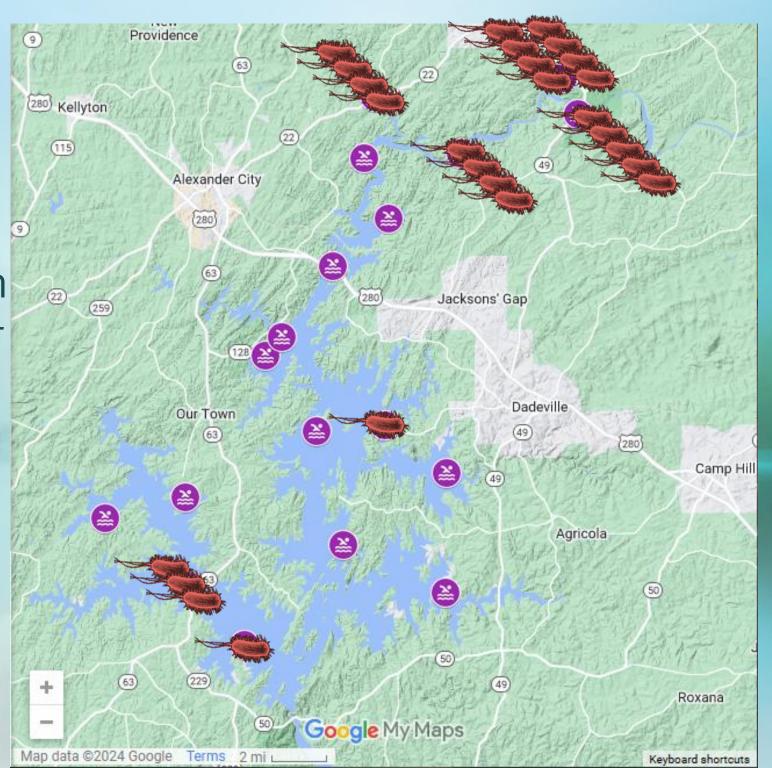




### LW High E. coli Readings (24) - 2023

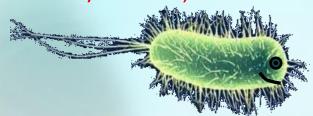
| 1  | Waterbody   | Location                        | AwwSiteCode | SampleDate | Ecoli/100mL | Collectors     | Comments   |
|----|-------------|---------------------------------|-------------|------------|-------------|----------------|--|
| 2  |             | Site 1 Horseshoe Bend National  | 07001001    | 23-Jan-23  | 800         | Matt Campbell  | 3" rain last 48 hours. Water level high. Turbidity high. On Jan 23, 2023 USGS Hillabee Creek is 7.81' (base line is 6.0) |
| 3  | Tallapoosa  | Site 1 Horseshoe Bend National  | 07001001    | 16-Jun-23  | 333         | John Clements  | 24 post major rain event.  |
| 4  | Tallapoosa  | Site 1 Horseshoe Bend National  | 07001001    | 29-Mar-23  | 267         | Shani Smith    | Heavy rainfall in recent days flooded the area.  |
| 5  | Hillabee    | CWM4 outside of Alex City RT 22 | 07001013    | 19-May-23  | 6300        | Dale Campo     | Rainfall Event. High water. Turbid water. Geese in area.   |
| 6  | Hillabee    | CWM4 outside of Alex City RT 22 | 07001013    | 23-Jan-23  | 1200        | Matt Campbell  | 3" rain last 48 hours. Water level high. Turbidity high. On Jan 23, 2023 USGS Hillabee Creek is 7.81' (base line is 6.0) |
| 7  | Hillabee    | CWM4 outside of Alex City RT 22 | 07001013    | 10-Mar-23  | 933         | Dale Campo     | Rain Event >1 inch within 24 hours.  |
| 8  | Hillabee    | CWM4 outside of Alex City RT 22 | 07001013    | 18-Jan-23  | 267         | John Clements  | No comment for this event.   |
| 9  | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 30-Apr-23  | 8033        | John Clements  | 24 hours post rain event. Other coliforms TNTC. Also tested for Salmonella using Salmonella R Cards. Replicate 1: 2      |
| 10 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 16-Jun-23  | 733         | John Clements  | 24 post major rain event.  |
| 11 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 12-Aug-23  | 567         | John Clements  | 24 hours post rain event   |
| 12 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 11-Mar-23  | 367         | John Clements  | No comment for this event.   |
| 13 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 05-Jan-23  | 333         | John Clements  | Creek up and flowing rapidly from recent rain.   |
| 14 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 13-Feb-23  | 333         | John Clements  | No comment for this event.   |
| 15 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 19-May-23  | 267         | John Clements  | No comment for this event.   |
| 16 | Emuckfaw    | at AL HWY 49 Bridge             | 07001060    | 16-Sep-23  | 267         | John Clements  | No comment for this event.   |
| 17 | Lake Martin | at Jaybird Creek Boat Ramp      | 07001071    | 12-Aug-23  | 1000        | John Clements  | 24 hours post rain event.  |
| 18 | Lake Martin | at Jaybird Creek Boat Ramp      | 07001071    | 30-Apr-23  | 767         | John Clements  | 24 hours post rain event.  |
| 19 | Lake Martin | at Jaybird Creek Boat Ramp      | 07001071    | 19-May-23  | 667         | John Clements  | No comment for this event.   |
| 20 | Lake Martin | at Jaybird Creek Boat Ramp      | 07001071    | 05-Jan-23  | 633         | John Clements  | River up and flowing rapidly from recent rain.   |
| 21 |             |                                 |             |            |             |                |  |
| 22 | Lake Martin | Dare Park Beach                 | 07001043    | 14-Oct-23  | 667         | Chris          | While the water was clear the lake bottom sand was covered with a dark green mossy growth.                               |
| 23 | Lake Martin | Kowaliga Restaurant Beach, off  | 07001067    | 24-Aug-23  | 867         | Mary Leigh     | Approximately 60 turtles, 20 carp, and 20 ducks present. Patrons feeding from deck. No geese present.                    |
| 24 | Lake Martin | Kowaliga Restaurant Beach, off  | 07001067    | 21-May-23  | 600         | Mary Leigh     | Rain fall 3/4 inch previous 36 hours. Calm, occasional breeze. Geese, ducks, turtles and children present in and arou    |
| 25 | Lake Martin | Kowaliga Restaurant Beach, off  | 07001067    | 12-May-23  | 333         | Mary Leigh     | Prev rainfall approximately 1/2-1 inches in previous 24 hours. 5 ducks, numerous turtles present. Waters calm, clea      |
| 26 | Lake Martin | Castaway Island Brach           | 07001070    | 16-Jun-23  | 467         | Craig Holloway | Significant rain events/storms previous 24-48 hours prior to sampling  |
| 27 |             |                                 |             |            |             |                |  |
| 28 |             |                                 |             |            |             |                | *16 of 24 tests - post-rain event  |

Number of readings with high *E. coli* - 2023



# Lake Watch of Lake Martin Swim Alert - Summary (2023)

- ❖ Swim Alert sites tested for *E. coli* monthly and after rain events (April-Oct)
- Go to Lake Watch Swim Alert webpage for latest test results www.lakewatch.org/swim-alert
- ❖ Lake Martin tested clean the vast majority of the time − E.coli detected at only 3 sites on the lake (once at Dare Park Beach, once at Castaway Island Beach, and 3 times at Kowaliga Restaurant Beach)
- Contamination\* was mostly confined to the lake headwaters and two streams:
  - Horseshoe Bend NM Park: 5/11 tests, or 45% of tests were contaminated
  - Jaybird Landing: 4/13 tests, or 31% of tests were contaminated
  - Emuckfaw Creek: 8/14 tests, or 57% were contaminated
  - Hillabee Creek: 4/12 tests, or 33% were contaminated



# Check out the Swim Alert & let us know what you think!



Ps. - have fun and be safe!