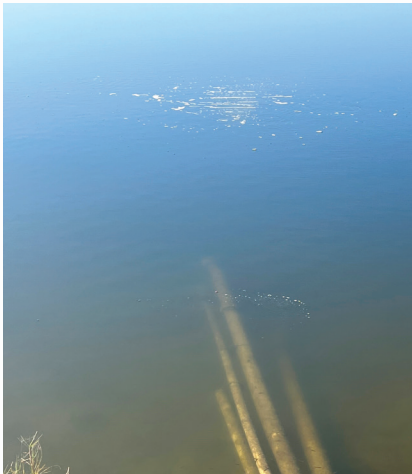




NANOBUBBLE TECHNOLOGY REDUCES FISH KILLS & PEST OUTBREAKS AT COASTAL COMMUNITY LAKE

Client Case Study: The Sands Community Lake, Florida

| Location: | Unit Type: | Lake Size: | Challenges: | Results: |
|----------------------|------------|--|---|--|
| Fort Pierce, Florida | Clear 150 | 15 surface acres, 150-acre feet, Max depth 20 feet | <ul style="list-style-type: none"> Fish kills Midge fly outbreaks Poor water quality | <ul style="list-style-type: none"> Eliminated fish kills Reduced midge fly outbreaks Better water quality and clarity Improved discharge quality into surrounding ecosystems |



The Sands is a housing community in Fort Pierce, Florida that surrounds a 15-acre coastal lake with the Indian River on one side and the Atlantic Ocean on the other. The community pool and tennis courts look out over the lake as well as numerous homes throughout The Sands. Residents enjoy an abundance of aquatic life in the lake, including Tarpon, Snook and crab.

Though this would be ideal for any Florida homeowner, the lake at The Sands had a history of fish kills

and aquatic midge fly outbreaks. The water quality was very poor and discharged into the Indian River.

A Moleaer's Clear™ nanobubble generator was installed as part of the lake management plan to improve water quality and fight the issues at the source. Nanobubble technology delivers efficient oxygenation and



chemical-free, mild oxidation to sustainably decrease organic sediment and improve muck digestion, improving water quality and reducing the habitat for midge flies. Better water quality also supports healthy aquatic life, helps prevent oxygen-related fish kills and reduces habitat the leads to harmful algae overgrowth.

Since the installation of the Moleaer nanobubble generator and beneficial bacteria augmentation, the lake has not experienced a fish kill and the aquatic midge fly outbreaks are minimal. Also, water clarity and quality greatly improved. These benefits were also important to surrounding ecosystems where water was discharged.

"The residents at The Sands chose a sustainable solution to address the root cause of their water quality issues," stated Todd Olson, Moleaer's Florida Business Development Manager. Nanobubble technology gave The Sands the health and water quality of the lake back for residents to enjoy and aquatic animals to thrive.



Learn more about how nanobubbles improve lakes and ponds. Visit our website:

www.moleaer.com/industries/lakes-and-ponds

The information and data contained herein are deemed to be accurate and reliable and are offered in good faith, but without guarantee of performance. Moleaer assumes no liability for results obtained or damages incurred through the application of the information contained herein. Customer is responsible for determining whether the products and information presented herein are appropriate for the customer's use and for ensuring that customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Specifications subject to change without notice.

Copyright © 2023 Moleaer. All trademarks stated herein are the property of their respective company. All rights reserved. This document is confidential and contains proprietary information of Moleaer Inc. Neither this document nor any of the information contained herein may be reproduced, redistributed or disclosed under any circumstances without the express written permission of Moleaer Inc.

Rev. 02-03-2023_R2