"We did have damage the previous year from tropical storm Irene, which I believe was worse on the turf because of the time of the year but I did not lose any equipment then," says Stanya.

Seawane floods on a regular basis as the high-tide full-moon phase compromises the course's bulkheads. "The water in our canals and bay is more brackish than the pure Atlantic current water, so when we flood it isn't as severe," Brian Benedict says. "When we took Irene in 2011 it was about a 35-acre flood but we didn't lose power, so we were able to dilute the salt water with our irrigation water right away. When Sandy hit we lost power for eight days and were unable to dilute the salt toxicity, which has created the issues we face now."

Seawane's salt base saturation levels were substantial, to say the least. Normal acceptable levels should be three percent and lower, Brian Benedict says, and "we are testing out at 16 to 24 percent, depending on where you test." He worries about long-term issues. "I am really worried about when the weather changes and we get hot. How is the grass going to react when the soil temps get to 70-plus degrees and up? Is it going to bake out? Our gypsum applications continue and we are seeding greens on a bi-weekly basis trying to get 007 and Seaside II Bentgrass to establish in them."

Recovery has been assisted by influxes of insurance money, Tim Benedict says. "Only recently has the money started flowing, which has definitely delayed our recovery process," he says. "The clubhouse was the first facility to be restored. We must be able to do business and host parties. The rest of the buildings are still coming along. We are still re-wiring buildings and fixing walls. It is a long road. I have a new assistant and that should help things improve a bit."

"On top of everything else, my home was also hit with the flood waters. My family was displaced for five weeks while we got repairs organized," he adds. "Everything is back to normal now but that was a true life test."

One that Long Island golf course superintendents, managers and owners, and members hope they never have to face again.

John Torsiello is a Torrington, Conn.-based writer and frequent GCI contributor.

by Richard Skelly

DOWN, BUT NOT OUT

After a throttling by Superstorm Sandy, Garden State golf courses recoup and regroup.

Super Storm Sandy, which struck New Jersey Oct 28-29, delivered an unprecedented $39 billion in damage to shore-area residences, businesses, beaches and boardwalks, but its effects were also widely felt a good ways inland from Monmouth, Ocean and Atlantic counties, and as far north as parts of Long Island and Connecticut.

Hundreds of golf courses throughout The Garden State suffered severe damage in this late-season hurricane. Most club managers and superintendents prepared for a rain event and instead got some of the most extreme winds the New York metro area has seen in 50 years, winds that carried over with just as much intensity to the rest of the storm-hit areas.

April 29 marked six months out from Super Storm Sandy, a two-day and night event that effectively shut down New York City's transit system, the New Jersey Turnpike and the Garden State Parkway, two major highways.

As well prepared as most superintendents around the state were, Lance Rogers, superintendent of greens at Colonia Country Club in Woodbridge, N.J., and president of the New Jersey Golf Course Superintendents' Association, says, "The storm was substantial, and up until yesterday, I was still cleaning up debris in the woods at Colonia."

"I thought we suffered pretty bad damage, but in reality, we lost far fewer trees than most other courses in New Jersey," Rogers remembers.

Colonia Country Club lost 28 big trees larger than 36 inches in circumference, and since they were fallen trees, not leaning into others, Rogers and his crew handled all of the work themselves.

"The storm ended late Monday night, but we couldn't get in to work on Tuesday, so we started Wednesday morning. Even with
10-hour days, it took a solid week to get the trees that had fallen into play cut up and then it took another two weeks to clean up the debris and then three weeks to chip all the stuff."

Rogers says the average number he heard from other supers in most of the state "was more like 160 trees down for each golf course."

The eye of Superstorm Sandy came in over Brigantine, home for many years to the Links at Brigantine, a place where PGA pros used to go in the 1930's and 40's to practice for the British Open. Known for its near-constant breezes, Brigantine is also home to a massive migratory bird sanctuary and preserve.

Nathan Robbins, general manager at the Links at Brigantine, said the 18-hole golf course suffered more from water damage than from wind.

"The eye of the storm literally crossed 17th Street in Brigantine, so in some ways it was a blessing," Robbins says.

"If you look at damage to places twenty miles north of us, they really had sustained winds. Our damage was limited to flooding."

A view of the sky from the 11th tee at TCP Jasna Polana following Superstorm Sandy.

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and we were fortunate not to have any water in our clubhouse or cart barn. But there were areas of the course under three and four feet of water, and that forced us to close for three weeks after the storm.”

Links at Brigantine was back up and running by Thanksgiving.

The Links at Brigantine’s 9th and 18th greens were the only ones underwater for any length of time, "but we had an 18-foot power-boat that was in the left rough of our second hole for a time, and the walking bridge on the third hole ended up in the left rough of the second hole," Robbins says the walking bridge must weigh at least a ton, and the force of the incoming water moved it more than 100 yards.

“We didn’t have any fast moving current so it was more a matter of making sure we did everything we could to make sure the effects of salt water were limited,” Robbins says. Absecon Bay is about 50 yards from the 1st tee at the Links, and the 15th hole sports a peninsula green, which also got submerged, but for much less time than the 9th and 18th greens.

The Links at Brigantine re-opened to those who enjoy winter golf Thanksgiving week. “One of the biggest challenges has been combating the perception that this whole area was closed down and damaged beyond repair. There was no damage to Atlantic City casinos and no damage to the boardwalk there. Other area golf courses might have had a tree or two come down, but for the most part, they were back open within a week,” Robbins says.

Matthew Morrow, the superintendent at Manasquan River Golf Club in Brielle, a private club nestled along the river of the same name and less than two miles from the ocean, says he, the GM and members at the course used Super Storm Sandy as a learning experience and found out ways to improve on infrastructure and drainage on the property. “Hopefully this is a once-in-a-lifetime event. The good part about the whole experience was we learned a lot about the golf course and how we can improve drainage and create a better tree management program,” Morrow says, adding Manasquan River lost about 100 trees.

“We had a 25-foot and a 38-foot boat that both ended up on the golf course,” Morrow says. Needless to say, both boat owners immediately came forward on Tuesday, Oct. 30th to make arrangements with their insurance companies to have their vessels removed from the 12th and 17th holes.

Morrow said he and his crew did as much as they could in-house but left big or overly dangerous jobs to a tree company in Pennsylvania that he’d worked with in the past.

“Losing power was pretty a much a foregone conclusion in my mind and knowing the golf course is so close to river and we were going to flood, we got all our pumps ready and our equipment fueled up and generators were all primed and ready to go,” he says. Manasquan River leads to the Manasquan Inlet which leads out to the ocean, visible on clear days from the course’s 7th, 10th and 11th holes.

One thing Morrow and other seaside superintendents may not have considered was the effects of salt-laden blown air and the damage that can do to trees and grasses. “Salt blown air actually damaged trees several miles inland, including some of ours,” he said, “we were prepared for flooding and wind damage, but then to have a secondary issue with trees that were saturated with salt air and subsequently falling down, the needles
“Even with ten hour days, it took a solid week to get the trees that had fallen into play cut up and then it took another two weeks to clean up the debris and then three weeks to chip all the stuff.”

– Lance Rogers, Colonia Country Club in Woodbridge, N.J.