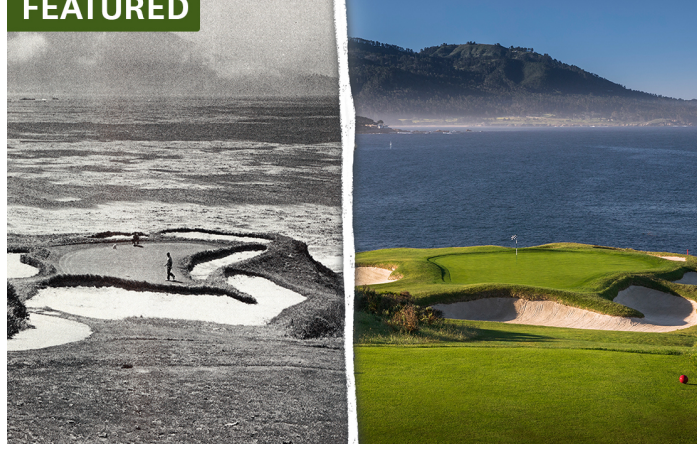


Mapping the Past, Present and Future of Golf Courses

By [Adam Moeller](#) and [George Waters](#)

FEATURED



To better understand how golf courses have evolved, the USGA undertook an extensive study of golf course aerial photos as part of the Distance Insights Project. Through this research we learned a lot about how golf course features change over time, how older courses differ from newer ones, and the factors that drive golf course evolution. Trends we observed impact how we experience the game, what it costs to play, golf's overall footprint and the long-term viability of the sport. Key questions also emerged that should be of particular interest to the golf community.

[Read More](#)

Multimedia Content

TURF MINUTES



Turf Colorants on the Golf Course

Some golf courses are getting great results by using turf colorants instead of overseeding. Turf colorants provide winter color without the cost and turf issues associated with overseeding.

[Watch Video](#)

100TH ANNIVERSARY



USGA Turfgrass at Arrowhead

The Kansas City Chiefs and many other pro teams play on turf developed by USGA-funded research. The impact of our turf and environmental research program goes far beyond the golf course.

[Watch Video](#)

Survey



Take our Triplex Mowing Survey

Help us learn more about how you use triplex mowers on your putting greens. Please take a few moments and reply to this short survey and we'll share the results in an upcoming issue.

[Take the Survey](#)

Fore the Golfer



Weather Ready

The weather always plays a key role in course conditions. Heavy rain, freezing cold and extreme heat are just a few weather conditions that have short- and long-term impacts on playability.

[Read More](#)

Regional Updates

WEST



Curtailing Cart Damage

While golf courses are enjoying an increase in rounds, additional cart traffic is damaging access and egress areas along cart paths. Here are a few strategies to mitigate the damage.

[Read More](#)

NORTHEAST



Why Your Glyphosate Might Not Be Working

Hard water in the spray tank can tie up herbicides like glyphosate and cause significant reductions in the effectiveness of weed control applications. Fortunately, there is an easy remedy.

[Read More](#)

CENTRAL



Forward Tees - Location, Location, Location

Every course has forward tees, but are yours properly located? Our forward tee calculator can help you identify where new forward tees would improve the golfer experience.

[Read More](#)

SOUTHEAST



When the Rough Gets Rough

Golf course roughs often occupy difficult growing environments and don't receive the same input levels as other areas. As a result, they can bear the brunt of winter stress.

[Read More](#)

Editorial Staff

Editor in Chief
[Adam Moeller](#)

Associate Editor
[George Waters](#)

Creative Director
[Matthew Patalona](#)

Art Director
[Mark McCormick](#)

United States Golf Association
77 Liberty Corner Road
Liberty Corner, NJ 07938
908.234.2300

[Contact Us](#)

Stay Connected with the USGA



Important Links

[USGA COVID-19 Resource Center](#)
[USGA Privacy Policy](#)
[USGA Green Section Home Page](#)
[Meet The USGA Agronomists](#)
[Course Consulting Service Information](#)
[USGA Turfgrass and Environmental Research Online \(TERO\)](#)

©2021 by United States Golf Association®

[Policies for the Reuse of USGA Green Section Publications](#)

USGA Green Section publications are made available through the courtesy of the United States Golf Association (USGA®). The reuse of these materials is authorized only if the following conditions are met in their entirety. This policy applies to all Green Section publications, including articles, videos, presentations, and webcasts.

- 1) [Adherence to all components of our Conditions for Reuse policy.](#)
- 2) [Inclusion of the appropriate Reprint Permission Language.](#)
- 3) [Notification of your Intent To Reprint Content.](#)

The USGA Green Section Record (ISSN 2156-5813) is published twice monthly via electronic mail by the United States Golf Association®.