



GREEN SECTION RECORD



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On Course *With Nature* - Tell Your Story With Pictures

Photographic displays with the environmental message

by [Joellen Lampman](#), Program Director of the Audubon Cooperative Sanctuary Program, Audubon International

WETLANDS AT KAU SAI CHAU GOLF COURSE

Before the construction of Kau Sai Chau Golf Course, the island was dominated by low shrubs and grasses due to presence of grave sites and historical use of the island as a firing range. Wetland habitats were confined to deep ravines where streams and associated marshy vegetation developed.

在開工前，該島上主要是低矮的灌木和草地，因為這裡曾是墳場及歷史上的射擊場。濕地 habitat 只局限於深谷，那裡有溪流及相關的沼澤植物。

During the golf course design stage, a reservoir and several ponds were proposed for water storage for irrigation, while the pond and marsh at Hole 15 were retained. Construction of the golf courses resulted in the creation of several new freshwater bodies on previously arid uplands.

在設計球場階段，曾建議興建一個水庫及多個池塘，用作灌溉。但球場第 15 號洞的池塘及沼澤被保留下來。球場興建後，在原本干旱的高地創造了多個新的淡水水體。

Wetland dependent species recorded on the golf course

在球場內錄得的濕地動物

為確保這些水體具有良好生態功能，球場自 1995 年起，每年都會派員巡查，以確保水質良好，並記錄水體內的生物。這些生物包括：水鳥、兩栖類、昆蟲等。這些生物的出現，顯示水體的生態功能良好，並為牠們提供了一個良好的棲息地。

Up to June 2003, thirty-six dragonfly species, including 2 locally uncommon and 3 rare species, were recorded on Kau Sai Chau. This represents 33.4% of the 107 species in Hong Kong. There has been a net increase of 13 dragonfly species since the beginning of golf course operations. This indicates that the waterbodies at the golf course provide good wetland habitats for dragonflies.

至 2003 年 6 月，在球場內共記錄到三十六種蜻蜓，其中包括 2 種本地罕見及 3 種稀有品種。這佔了香港全境 107 種蜻蜓的 33.4%。自球場開始營運以來，蜻蜓的種類增加了十三種。這顯示球場內的水體為蜻蜓提供了良好的濕地 habitat。

Backdrop: Ponds 1, 15 & 16 on the North Course.
背景圖片：位於北場的塘 1、15 及 16。

Photo: Kwok Hon Kai
攝影：郭國基

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Educational posters can be displayed in locker rooms, eating areas, the maintenance facility, bulletin boards, kiosks, bathrooms, or wherever there is free vertical space. Posters are a great way to generate interest in your stewardship endeavors.

As the old adage goes, a picture is worth a thousand words. But the power of a picture is far greater than a thousand words. Pictures speak to the masses and are an excellent way to educate patrons and the general public about your environmental stewardship efforts. They do not, however, do you much good if they remain in your camera, on your computer, or in a box on a shelf in your office. Here are some examples of how Audubon International members have used photographs.

[See the rest of the examples](#)

It Is Closing In On Budget Time

Think the economy is tough now - check out how courses had to improvise in the past
by the Green Section staff

The weather difficulties of the past year have temporarily distracted many of us from the economic challenges facing facilities across the country. But this is not the first time leaders have had to make hard decisions when it comes to taking care of the course they love. In March of 1942 an article ran in the USGA publication, *Timely Turf Topics*, and was entitled, "War Time Maintenance".

Everyone concerned with the care and management of a golf course should take the time to read this article. For one thing, it helps to remind us that as tough as things might seem today there have been much worse times through which the game has endured. Secondly, and somewhat surprisingly, the article offers many suggestions that are still applicable today that we can all learn from. The following topics are discussed in the article:

- Fertilizing Program Requires Careful Consideration
- Reducing Fairway Maintenance Costs
- Don't Neglect The Rough
- Sand Traps
- By-pass The Water Hazard
- Conserve Fungicides
- Vigilance For Turf Pests Necessary
- Cutting Greens
- Can Watering Be Reduced?
- Reduce The Size Of Greens
- Avoid Alterations
- Mowing Height



Soldiers at the Gordon Lakes Golf Club, Fort Gordon, Georgia in 1942

Take a minute or two to peruse the article (you will need to scroll down a page to find the article). You are guaranteed to get a laugh or two and you might even find a few good ideas to help you as you look for ways to trim your budget for 2012.

[Read the article](#)

Free USGA Green Section Webcast *The Impact of Drought on Golf Course Trees* Friday, October 14, 2011 at 10:00 CDT

It is not too late to help one of your course's most valuable assets

by Dr. Todd Watson, PhD, BCMA

The recent drought has had a devastating impact on trees on many golf courses in the South, but eventually all golf courses have to deal with drought-stress to plants at some time or another. Several cost-effective strategies can be utilized to limit tree losses. This webcast will provide information about how to reduce drought stress to trees and how to help stressed trees recover.

Dr. W. Todd Watson, PhD has been an international plant health care consultant for over 25 years and provides consulting services to numerous companies and properties throughout the United States and other countries. He is an Adjunct Professor in the Department of Ecosystem Science and Management at Texas A&M University where he was named a Montague Teaching Scholar in 2005. In addition, he is a member of the International Society of Arboriculture (ISA) and is the President of the ISA Texas Chapter. He is an ISA Board-Certified Master Arborist (TX-0974b) and was voted Texas Arborist of the Year in 2003. He was authored several articles in research journals and professional publications, and he has provided numerous tree and landscape presentations throughout the US, Canada, and Mexico.

To attend this webcast you will have to have the following:

1. A Windows-based PC with Internet Explorer as your web browser.
2. Speakers hooked up to your computer.
3. Microsoft Live Meeting CLIENT (not the web console) installed on your computer. Here is a link to [check your system](#) which will help you install the Live Meeting CLIENT on your computer. Please do this well before the webcast since it will be impossible to provide technical support the morning of the presentation.
4. (For more information on attending USGA Green Section webcasts please [follow this link.](#))

Here is the link to join meeting on October 14, 2011 at 10:00 CDT

[Join the webcast on The Impact of Drought on Trees](#)



Trees suffer in a drought also. Be sure to attend this free webcast on how to help your trees.

Regional Updates



Mid-Atlantic Region

by [Stanley J. Zontek](#), director

A Change In The Weather

Weather has a huge impact on all that we do out on the golf course, whether it involves growing grass or playing the game. There are always those days that you feel you know that *a change is in the air*.

This type of weather change occurred in the middle of August this year, when record-breaking summer heat finally broke. Temperatures moderated, and in most parts of the country it began to rain and cool down. As a side note, it kept raining and raining, and it still is raining in some areas.

The fall weather arrived this past weekend, and one forecaster even said, "There may be a few flakes of wet snow up in the mountains." The fall golf season has arrived. Pack those short-sleeved golf shirts and unpack your sweaters and windbreakers. It is a change for the better.

Golf course superintendents will also feel the change in weather. For one thing, the leaves will begin to fall, creating one of the great challenges of the fall -- leaf removal, leaf mulching, and leaf disposing. You might even begin to hear about implementing the "leaf rule."

[Read the rest of this update](#)



You can always tell it is fall by the long shadows of the lower sun angle. The atmosphere is cooling, the leaves are starting to drop, and there is a chill in the air that is welcomed by all.

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It's Easy To Share This Publication With Others

by the USGA Green Section Staff

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Thanks for your help!

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The USGA Green Section Portal

A Valuable, Free Resource

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USGA Green Section
P.O. Box 708
Far Hills, NJ 07931-0708
908.234.2300



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