

Irrigation Management

Water Resources for Irrigation Systems

*"All the rivers run into the sea:
yet the sea is not full"
- Old Testament*

Water for the typical golf course irrigation system comes from one or more of these three sources: Underground wells, lakes and reservoirs, or domestic water companies. Each of these sources has advantages and disadvantages when used for irrigation. Well water and lake water are usually less expensive sources of water when compared to typical water rates from domestic sources. Unfortunately you can never really be sure how long a well is going to provide the amount of water required by your course- and what will you do if the well runs dry?! Similarly, lake storage levels are often dependent on the availability of well water, run off, and/or domestic water to keep up with the demand of your course's irrigation system.

Until recently,, many of us considered domestic water to be the safest possible source because we felt it would always be available. Now we know the real truth - when it comes down to crunch time, domestic irrigation sources fall into one of two categories-expensive or expendible. Domestic water is usually more expensive to purchase than well or lake water and will always be subject to local regulations regarding backflow protection and metering.

On the other foot, domestic water will always be cleaner than lake water and will not include high concentrations of harsh elements that may be found in some well water sources. Domestic sources are also provided to you under pressure and, if your local regulations allow a direct connection to your irrigation system, you may be able to use this "free pressure" to your advantage when determining the size and power requirements of your booster pump station.

Optimally, a golf course irrigation system would incorporate more than one source of water and therefore "not put all eggs in one basket". An example of this scenario is a course that has an adequate well and pump that feeds into the irrigation system as well as any available storage lakes on the course, and has a secondary source from the local domestic water company to pick up any slack that might occur if the well water supply is reduced or contaminated.

Nest month: Sources of pressure for irrigation systems

Annual Awards Committee

The GCSANC Awards Committee would like your nominations for the following categories: Superintendent of the Year; Excellence in Golf Turf Management; Class F Merit Award; Distinguished Service Award. Submit your nominations to Rod Kilcoyne, Diablo Creek GC, as soon as possible.

A Look Ahead 1990

March 19	Windsor GC
March 20	NCGA/USGA Green Section Regional Conference
April 10	GCSANC ANNUAL MEETING-DEL MONTE GC
May 7	Sequoia CC
May 20-21	GCSA of CA State Meeting
June 8	De Laveaga GC
July 23	Supt./Pro Annual Tournament-Palo Alto Hills CC
August	OPEN
Sept. 7	Mira Vista CC

Green Valley Golf Results

GROSS

Armando Claudio	74
Mike Glasson	77
Raj Mal	78
Bill Abel	78

NET

Wayne Lindelof	67
Jim Ross	68
Ray Story	70
Bob Healy	71
George Bell	71
Randy Gai	71
Matt Hart	71

***Randy Gai Scored
A Hole-In-One!
Congrats Randy!***

Naumann's NORCAL News

Silver Creek GC in San Jose will begin construction on March first...**Charlie Johnson** is the new Supt. at Blackhawk...Congratulations to **Randy Gai**, who made a hole in one at Green Valley. See you in Orlando!