

# CLARION

A Publication of the Colorado Lake and Reservoir Management Association



Colorado Lake and Reservoir Management Association  
P.O. Box 9504 Denver, CO 80209  
[www.clrma.org](http://www.clrma.org)

## President's Dock

By Craig Wolfe



Spring time in Colorado is certainly turning out to be a tale of two seasons. The unseasonably warm spring along the front-range is getting many boating recreationalists anxious for the upcoming season, while

the snowpack in some areas seems to assure the possibility of skiing in July. I was happy to use the ice auger once this past season to collect a winter sample from Cherry Creek Reservoir, but even then the Reservoir never completely froze over this year. A recent perusal through Colorado Division of Wildlife ice fishing report indicates many mid-elevation lakes have lost their ice-cover while the higher elevation lakes still have ice but conditions may be slushy. So as many people are ready for the seasonal transition, I encourage everyone to visit a nearby lake or reservoir and enjoy the changes brought on by the warmer weather.

CLRMA is planning for many 2011 events, including our Spring Conference on April 19<sup>th</sup>. The theme of our spring conference is managing reservoirs for multiple uses. We have a great group of presenters covering a wide range of management topics from the nutrient and recreational management strategies for Grand Lake, Lake Granby, and Shadow Mountain Reservoir, to the recreational management of Elkhead Reservoir and Lake Nighthorse, and a new reservoir being constructed to meet irrigational and water compact

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uses. We even have a presentation on a Wyoming reservoir that I know many Coloradoans' enjoy to use.

CLRMA is moving up the food chain and hosting a Zooplankton Workshop on May 13<sup>th</sup>. Our first workshop of the year will cover the ecology of zooplankton and will provide participants with a good primer for our fall (October 14<sup>th</sup>) zooplankton identification workshop. We also are trying to make arrangements for continuing education credits, so stay tuned to our website for more workshop information.

CLRMA also is sponsoring many social events during the year, with the high point being Lake Appreciation Month in July. We encourage everyone to attend a local or nearby event to enjoy the social activities and help preserve our natural resources. In September, CLRMA will attend a Colorado Rockies fireworks game so plan on bringing the whole family. If you would like to participate in any of these activities or desire more information about CLRMA please visit our website ([www.clrma.org](http://www.clrma.org)).

## City of Arvada Donates Water Quality Probe

Kevin Tohill  
 City of Arvada  
 Public Works Department–Water Quality  
 8101 Ralston Road  
 Arvada, Colorado 80002

Dear Mr. Tohill,

On behalf of the Colorado Lake and Reservoir Management Association, we wish to thank you and the City of Arvada for the generous donation of the Hydrolab water quality sonde. The CLRMA Board of Directors greatly appreciates your thoughtfulness of our association and we look forward to continuing its service. We plan to locate the probe at a Natural Resources Conservation Service Center and have it available for our members and the volunteer lake monitoring program to help supplement limnological data on Colorado lakes and reservoirs.

Again, thank you for the donation and your exemplary support of CLRMA.

Sincerely,

Craig Wolf  
 President, CLRMA



*Hydrolab DS5X Water  
 Quality Sonde*

# Mark Your Calendars!!!

## 2011 CLRMA Events Calendar

<b>January</b> <ul style="list-style-type: none"> <li>Board Meeting (1/12)</li> </ul>	<b>February</b>	<b>March</b> <ul style="list-style-type: none"> <li>Board Meeting (3/1)</li> </ul>	<b>April</b> <ul style="list-style-type: none"> <li>Board Meeting (4/5)</li> <li>Spring Conference (4/19)</li> </ul>
<b>May</b> <ul style="list-style-type: none"> <li>Board Meeting (5/3)</li> <li>Spring Workshop (5/13)</li> </ul>	<b>June</b>	<b>July</b> <ul style="list-style-type: none"> <li>Board Meeting (7/5)</li> <li>Lake Appreciation Month</li> <li>Day on the Res (7/20)</li> </ul>	<b>August</b>
<b>September</b> <ul style="list-style-type: none"> <li>Board Meeting (9/6)</li> <li>Rockies Game (9/16)</li> </ul>	<b>October</b> <ul style="list-style-type: none"> <li>Board Meeting (10/4)</li> <li>Workshop (TBD)</li> </ul>	<b>November</b> <ul style="list-style-type: none"> <li>Board Meeting (11/1)</li> <li>Fall Business Meeting (TBD)</li> </ul>	<b>December</b> <ul style="list-style-type: none"> <li>Board Meeting (12/6)</li> </ul>

## Spring Conference Agenda

*By Sarah Clements*

Tuesday, April CLRMA held its annual spring Conference at the City of Thornton's Margaret Carpenter Recreation Center. We polled our members and are once again hosted a conference that addresses current issues facing many of our lakes and reservoirs in Colorado. This year's theme was "The Consultative Process of Multi Jurisdictional and Multi Use Lakes and Reservoirs" with a wide variety of presentations from around the state.

- Mike Eytel, the Colorado River Water Conservation District, will talk about Elkhead Reservoir on the West Slope.
- Craig Wolf, GEI Consulting and our current CLRMA President, will present on the many aspects of Long Hollow Reservoir.
- Laurie Rink, Mile High Wetlands and Steve Lundt, Metro Wastewater District, will present an interesting update on TMDL's in Barr/Milton.

Additionally, two panel discussions on Nutrients and Recreation were planned featuring Grand Lake, Shadow Mountain and Lake Granby.

The first panel discussing the Nutrient Study consists of: Will Tully, USBR; Esther Vincent, Northern Colorado Water Conservancy District; Katherine Morris, Grand County; Jeff Metzger, Three Lakes Watershed Association; Jane Tollett, Grand County Water Information Network; and Steve Paul, Greater Grand Lake Shoreline Association.

The second panel discussing Recreation consisted of: Elizabeth Brown, Colorado Invasive Species Coordinator, CDOW; Dan Matthews, USFS (invited); Jon Ewert, CDOW; Shane Hale, Town Manager, Town of Grand Lake; and Lake Granby Beacon Landing Marina.

*This Year's theme is "The Consultative Process of Multi Jurisdictional and Multi Use Lakes and Reservoirs"*

# July is Lake Appreciation Month!

## July 20 — Day on the Res at Boulder Reservoir

This year we will host the 3rd Day on the Res at Boulder Reservoir. As in the past there will be vendors and demonstrations on shore under the tents along with on the water training and demonstrations. There will also be a canoe race for those interested, weather permitting. Don't miss this great opportunity to associate with fellow lake experts and see for yourself some of the newest advances in lake monitoring equipment. Lunch will be catered and as usual you will not go away hungry.



<http://runcolo.com/blog/wp-content/uploads/2008/09/boulder-reservoir.jpg>

## July 16–17 — Lake Appreciation Day at Grand Lake

Mark your calendars for Lake Appreciation up in Grand Lake during Buffalo BBQ Weekend July 16<sup>th</sup> and 17<sup>th</sup>, 2011. To start the day, the Mayor of Grand Lake will take the Official Secchi Disk reading for the National Dip-In. CLRMA will have a booth again down along the lakefront where live music, crafts, food, beach and water activities will occur throughout the weekend. Bring your boat or canoe and join in the fun.



<http://beta.gcbor.com/>

Join in on the fun.  
Become a CLRMA member!  
Visit [www.clrma.org](http://www.clrma.org) for a 2011  
membership form.

### July 16— Lake Appreciation Day at Barr Lake

Since 2007, Barr Lake State Park and enthusiastic partners have been putting on a great event during the middle of July. It may be hot at times. It may be muddy at times. But every year, there is a steady interest from 250+ volunteers who like to give back to Barr Lake. Over 110,000 visitors go to Barr Lake State Park each year.

To keep a good thing going, the event will again include a shoreline clean up between 8am and 11am followed by a free lunch and then fun activities down by the boat ramp. Free canoe lessons, park ranger boat rides, face painting, and giveaways will again be enjoyed by most of the volunteers after the lunch.

What's new this year is the opportunity to plant trees by the water's edge by a new walkway and give kids a chance to shoot an arrow at the parents. Actually, Division of Wildlife will be setting up an archery display where kids can learn how to shoot an arrow (at a target, not their parents).

With over half of the state's population living just upstream of Barr Lake, this is a great opportunity to get out to a local reservoir and see how you can make a difference. See you in July. Contact the Barr Lake Nature Center to sign up for the event ([bar.lake.nature.center@state.co.us](mailto:bar.lake.nature.center@state.co.us)).



**This year will be the 5<sup>th</sup> Annual Lakes Appreciation Month at Barr Lake!**

# Website Worth Checking Out!

<http://stopstocking.cowyafs.org/>

Here's an illegal stocking website created by Dr. Brett Dr. Brett Johnson as CSU.

## CVLM Program and Training Opportunity

June 1st of this year will kick off the 7th straight year for the Colorado Volunteer Lake Monitoring (CVLM) program. It's never too late to join! The great thing about this is that many of the volunteers now have 5 plus years worth of Secchi depth data to see how water clarity is changing over time.

We are always encouraging people to join and to expand the program. This year, the Colorado Department of Public Health and Environment (CDPHE) is providing multiparameter probes to selected volunteers so that volunteers can collect profile data. This will be the first time for some to collect temperature, pH, and dissolved oxygen profiles for their lake or reservoir. If you are a volunteer on a lake that has little profile information, then contact Steve Lundt to see if you can be trained to use a multiparameter probe.



Training for the monitoring program occurred at the end of the Spring luncheon. This was a great opportunity to refresh Secchi reading skills or order a new disk. Training can always occur over the phone.

The State Parks continues to be a major supporter of this program and provide water clarity data on about eight lakes or reservoirs across the state.

If you are interested in this program or have a lake or reservoir that you would like to learn more about, contact Steve Lundt ([slundt@mwr.dst.co.us](mailto:slundt@mwr.dst.co.us)) and sign up for the CVLM program.

## What's happening in NALMS?

### Poster Contest for kids

Lakes Appreciation Month Posters are created by school children. The art contest for the 2012 Poster is now on. All posters must be received by NALMS by October 1, 2011.

Contact Amy Smagula for more information ([asmagula@des.state.nh.us](mailto:asmagula@des.state.nh.us))

### Call for Paper

If you would like to present at the 31st annual NALMS symposium in Spokane, WA, then you need to submit your abstract by May 13th. The symposium is a great opportunity to share your lake management efforts and to speak other lake professionals. The symposium will be held from October 26 to 28th.

There are even funding opportunities for students to present. Contact Rob Zisette for more information at [rzisette@herrerainc.com](mailto:rzisette@herrerainc.com).



## Lakes in the News: Energy policy — hydroelectric: New plant planned for Carter Lake

From the Loveland Connection (Bobby Magill)

Construction on a new hydroelectric-generating station at Carter Lake soon will begin now that a power purchase agreement has been reached between Northern Water and Poudre Valley Rural Electric Association, or PVREA.

PVREA will receive up to 10 million kilowatt-hours of electricity from the Carter Lake hydropower station annually, enough to power about 1,000 homes.

"We're tapping onto an existing (water) outlet, so nothing changes at Carter Lake," said Northern Water project manager Carl Brouwer. "We don't change the operation. We don't change the outflow from the reservoir."

Today, water flowing from Carter Lake tumbles through a valve, and the energy is dissipated.

"What we're going to do is create electricity out of that instead," Brouwer said.

The project will include two 1,200 kilowatt turbines, a 2,000 square foot powerhouse and connections to the existing Carter Lake Second Outlet and the St. Vrain Supply Canal.

A 600-foot power line will link to the PVREA transmission system.

The project will cost \$6 million, which will be partly funded by a \$2 million low-interest loan from Colorado Water Resources and Power Development Authority.

PVREA expects the project will generate \$600,000 annually.

"It's going to help promote renewable energies, and it will make use of a valuable resource here as far as hydropower is concerned," PVREA spokesman Myles Jensen said.



*Carter Lake will soon will be the site of a new hydroelectric generating station*

## CLRMA Goes Hi-Tech

CLRMA is taking its next big step in the high-tech, modern world of less paper and more finger exercise. Our intent is to have all of our membership registrations, renewals and payments, as well as all conference registrations and payments, occur on-line through the CLRMA website ([www.clrma.org](http://www.clrma.org)). We have established an account with Paypal so that we can accept payments for our activities on-line. Payment methods will include use of a credit card or payment through your own Paypal account, whichever you or your organization prefers. The CLRMA webmaster is currently working on setting up the on-line forms and Paypal interface that we need to implement the program. The system will hopefully be up and running within the next few months. We hope that the paperless route works better for our membership, as it represents a cost savings over the conventional methods currently used.

# Spotlight: Jim Shelly



This CLARION Spotlight features one of CLRMA's newest board members, Jim Shelly.

**Age...** 54

**Yrs w/ CLRMA/NALMS...** 19

**Yrs in CO...** 37

**What do you do...** *Monitor and report useful information concerning Boulder's water supplies. Assist*

*in developing action plans to protect the cities drinking water sources. Respond to customer complaints and answer water quality questions.*

**Family:** *Wife Judy, two daughters Rachel and Elizabeth, son Jim and Bear our Jack Russell dog.*

**When I'm not working I am...** *Camping, working in the yard, fixing something around the house, riding the bike, on family outings, playing with bear or watching a ball game.*

**Your idea of happiness...** *Fishing on Lake Yellowstone before mosquito season on a calm warm evening.*

**Not many people know that...** *I lived in Glacier and Yellowstone National Parks when I was growing up and I worked for the Wyoming Game and Fish Department.*

**What do I like to do most...** *Go on annual family vacations*

**If I won the lottery I would...** *I'd retire and spend my summers in Yellowstone and winters down south somewhere and volunteer in my community.*

**Last book I read...** *Your Heart Belongs to Me by Koontz*

**Toughest aspect of my job...** *Training CU work study students that have changing work schedules and only work 10 to 15 hours per week. Another tough aspect of my job is monitoring to determine water quality impacts from land use change. It's very difficult to show water quality impacts with monitoring data even though there maybe a strong potential for contamination from new or changing land use.*

**What famous person would you like to meet most...** *Tm Tebow*

## Spring Fishing at Curecanti National Recreation Area

It is 7:30 AM at Curecanti National Recreation Area in early April, less than a week after the winter ice has receded from Blue Mesa Reservoir. Temperatures are low. Anglers are bundled in warm clothes and equipped with a small fortune in fishing gear. Most of the reservoir is still iced in, but these anglers are setting out to brave the cold for a chance of capitalizing on some of the best fishing during the year at Blue Mesa.

Many early-season anglers come to Blue Mesa hoping to catch a trophy lake trout. Early spring offers some of the best lake trout fishing at Blue Mesa because of the cold water temperatures that can be found near the surface of the reservoir. Lake trout need water that is rich in oxygen. Cold water is higher in oxygen than warm water, so lake trout follow the thermocline over the course of the year. During the winter and spring, cold water can be found near the surface. By July, the upper water has warmed so the lakers have headed deep to find cold, oxygen-rich water. Blue Mesa has produced four state record lake trout – one in 1998, two in 2003, and a 44.25 inch, 50.35 pound mackinaw caught by Donald Walker in 2007.

Trophy lake trout fishing is not the only reason that anglers flock to Blue Mesa around ice-off. Brown and rainbow trout feed voraciously in the early spring and the fishing for these species can be outstanding. Many anglers prefer the early season rainbow and brown fishing since these species can be found near rocky shorelines, usually in 8–12 feet of water. Even before the ice comes off of the reservoir, fly anglers can get early season casts in on the Gunnison River between Blue Mesa Reservoir and the town of Gunnison.



*Top: Blue Mesa Reservoir, Sapinero Basin ,  
left Blue Mesa Reservoir, Dillon Pinnacles ,  
middle Morrow Point Reservoir, Curecanti Needle ,  
right East Portal*

*Photo Credits by NPS/Lisa Lynch*

Although the temperatures can be chilly and the winds can be high in the afternoons, spring is an angler's dream at Curecanti National Recreation Area. Early season boat launching will be permitted as soon as ice conditions allow. All vessels must be certified mussel free in accordance with state regulations before launch. All state fishing regulations apply.

For more information on Curecanti National Recreation Area, please call (970) 641-2337 extension 205.



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*We're on the Web!*

*Visit us at:*

[www.clrma.org](http://www.clrma.org)

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