

Barnes, Peter@Waterboards

From: ANDREW PROTTER <andyprotter@mac.com>
Sent: Saturday, February 21, 2015 10:20 AM
To: Barnes, Peter@Waterboards
Subject: Lake Almanor Thermal Curtain Proposal



Mr. Peter Barnes, Engineering Geologist
State Water Board Resource Control Board, Division of Water Rights
Water Quality Certification Program
P.O. Box 2000
Sacramento, CA 95812-2000

Dear Mr. Barnes,

As I have a home on Lake Almanor I am quite interested in the ongoing debate about the Thermal Curtain and the impact it might have on the health of the lake. As background, I am a biochemist by training and have 33 years experience in drug development in the pharmaceutical industry where I have been responsible for new drug projects, pharmacology and toxicology.

As I have been going to the Lake for almost 14 years I have experienced the water first hand- whether pushed into the water from the dock (my son's preference) or jumping in willingly (see attached photo) or experiencing the water at different parts of the lake from a small sailboat we keep there. The only constant from year to year is the variety- air temperature, snow melt, water temperature, the amount of algae, the bird life, ash from local forest fires, wind. People tend to view the lake as permanent- a bias possibly originating from its large size and

its longevity. As a biochemist i reflect on the lake differently. My perspective is the Lake is fragile and the overall health of the lake, including birds and fish and its recreational potential, will be stressed more than it has in the past as winter runoff from Lassen becomes more variable, rain less predictable, fires more common and higher temperatures more common.

While ecology is not my field, it seems logical to worry about the negative impact of extracting cold water from the Lake. Water temperature will rise. The consequence of this seem real. Why try and modify the lake when the consequence of an unintended negative impact could have a huge negative effect on the community. Many people have become a part of the Lake Almanor community and I think it is reasonable that people who live there are worried.

I am opposed to attempts to modify the Lake (take out the cold bottom water) and would support any measures that would protect this wonderful state treasure.

I would welcome the opportunity to speak with you more about this.

Sincerely,

Andrew A. Protter, PhD.
931 Lassen View Drive
Lake Amanor