

DEPARTMENT OF WATER RESOURCES

DIVISION OF ENVIRONMENTAL SERVICES
3500 INDUSTRIAL BOULEVARD
WEST SACRAMENTO, CA 95691



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January 27, 2010

Michael McGuire
469 25th Street
Santa Monica, California 90420

Dear Dr. Michael McGuire

Enclosed is some of the information you requested on Tuesday, January 26, 2010 regarding the water quality and biological monitoring data in and near Liberty Island. Most of this information was gathered several years ago during a pilot study of this flooded island. The enclosed information includes;

1. Some of the water quality data.
2. The fishery data.
3. An annual report for the Liberty Island Monitoring Program (2005) that describes this flooded island and information on the various elements investigated under this program.
4. Several final reports related to the collection and synthesis of these data.
5. Progress reports for other individual monitoring elements that provide detailed information on the data collected.
6. Published papers that synthesize the fisheries, phytoplankton, zooplankton, nutrients, and/or water quality data, and describe the potential of Liberty and other flooded Delta islands to improve the productivity of the Sacramento-San Joaquin Delta.
7. A copy of the BREACH III Study Proposal, which would expand upon the work initiated by the Liberty Island Monitoring Program.

The water quality data provided here includes dissolved oxygen, specific conductivity, water temperature, pH, and turbidity. I will forward you the phytoplankton and nutrient data that you requested next week, after Department of Water Resources (DWR) staff has more clearly labeled and reformatted it. It is apparently difficult to understand right now.

Dr. Michael McGuire

January 27, 2010

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The Liberty Island Monitoring Program was a CALFED-funded pilot study conducted between 2003 and 2006 by an interagency, interdisciplinary team of scientists. Study elements included bathymetry, benthic macroinvertebrates, carbon production, phytoplankton, fisheries, vegetation, wildlife, zooplankton and water quality. Each element was investigated independently by the different agencies and research staff. This accounts for the different time periods of data collection, reporting formats, and data management that you will see in this information which is enclosed.

If you have any questions or need further information I can be contacted at (916) 376- 9703 or sford@water.ca.gov.

Sincerely,

A handwritten signature in black ink that reads "Stephen Ford". The signature is written in a cursive, slightly slanted style.

Stephen Ford, Chief
Office of Water Quality
Division of Environmental Services
Department of Water Resources

Enclosed

Decentralizing Wastewater Treatment

The Sac Regional Wastewater Treatment Plant is killing the Delta.

For years the rule for wastewater treatment has been centralization of services into mega sewer plants.

The problem is that these mega plants do not treat the wastewater to as high a level as smaller plants in the Central Valley.

Small plants that discharge to small creeks are held to a higher standard than large plants like Sacramento, Modesto and Stockton.

Small plants have to meet stringent tertiary standards that require full biological treatment and filtration.

Large plants have partial biological treatment and no filtration. But the large plants have a huge impact on the Delta ecosystem. And they also pollute the drinking water source for over 12 million people. What's wrong with this picture? Make the mega plants treat to tertiary standards. And better yet – make all wastewater in California conform to tertiary standards and recycle every drop. This way we save our water resources, stop pollution and help the Delta ecosystem.

Decentralization; With new treatment technology that has been developed in the last 10 years wastewater can be treated to very high standards. When we discuss sustainable economic development in California water supply is always a limiting factor. If we break up the mega plants and develop smaller and better wastewater plants in areas with commercial development then everything gets better.

The drinking water source is protected, industry has a source of high quality water, the ecosystem is cleaner and more water is available for fish and farms.

Agriculture takes virtually all of the water from the San Joaquin / Kings / Kaweah and Kern Rivers.

Steven J Brown

More information (559) 457-8526

Perhaps ^{not} all farmland in the SJ Valley can ^{stop} continue production.

This has not been pointed out. ^{River} San Joaquin does not flow to the Delta.



Sacramento Regional Wastewater Treatment Plant

January 24, 2010

8521 Laguna Station Road Elk Grove, CA 95758-9550

Tele: [916] 875-9000

Fax: [916] 875-9068

Website: www.srcsd.com

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Dear National Research Council Committee Members:

The Sacramento Regional County Sanitation District (SRCSD) appreciates the National Research Council review of the scientific basis of actions that have been and could be taken to achieve both an environmentally sustainable Sacramento-San Joaquin Delta (Delta) and a reliable water supply. SRCSD is very proud of its environmental stewardship role in protecting the environment and our watershed for future generations. We believe environmental stewardship is good business, a public trust responsibility, and key to achieving sustainable outcomes. Motivated by a strong environmental ethic, dedicated staff throughout our organization lead the way in environmental action founded on the latest scientific research. SRCSD is committed to ensuring sound science is a basis for decisions regarding ecosystem protection and water supply in the Delta.

There is a large body of scientific research related to the Delta that spans many decades, and SRCSD recognizes the monumental task ahead of you over the next few years. We would like to assist you in any way we can. To aid you in your review of the scientific basis of actions in the Delta, SRCSD is providing a DVD with information regarding direct losses of covered fish species due to the Central Valley Project and State Water Project water operations and the state of the science regarding water quality in respect to possible effects of ammonia on covered fish species. The attached DVD also includes a table of contents listing PDF's for your easy reference. We will be providing your Committee with more information, as needed. If you have any questions, please contact me at (916) 875-9101.

Sincerely,

Stan Dean Director of Policy and Planning

Attachment: DVD "Sustainable Water and Environmental Management in the

California Bay-Delta. Scientific Resources Provided by Sacramento Regional County Sanitation District January 24, 2010"

Technology in practice with nature