

Water Use Survey for Managed Wetlands and Irrigated Agriculture

Methylmercury Control Study

Ducks Unlimited
February 16, 2012



Sections

- Background (Why, Urgency, Goal, Definitions)
- TMDL Subregion
- Water Source and Quality
- Managed Wetlands (Winter and Growing Season)
- Agriculture (Growing Season and Winter)

Timing

- Refine Survey – Feb 28
- Collect Data – Mar 1-April 15
- First Analysis of Data - May 15

Online Access

- [https://www.surveymonkey.com/s/Water Use Survey for Methylmercury](https://www.surveymonkey.com/s/Water_Use_Survey_for_Methylmercury)

Managed Wetlands Q1

1. For your managed wetland Areas: When do you flood up and when do you draw down?

* If you have varying water management (greater than 30 days) for the same habitat type, please enter it as a separate habitat entry.


	Habitat Type	Acres of Managed Wetlands	Flood Up Date	Draw Down Date	Primary Purpose for Flooding
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments

Logo Additions

[SURVEY PREVIEW MODE] Water Use Survey for Managed Wetlands and Irrigated Agriculture: Methylmercury Control Study - Google Chrome

www.surveymonkey.com/s.aspx?PREVIEW_MODE=DO_NOT_USE_THIS_LINK_FOR_COLLECTION&sm=P14OvfVmS98eDMjIS9N5U0Fz1QrwiC%2fQmf4AVMjZ60k%3d



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Water Use Survey for Managed Wetlands and Irrigated Agriculture: Methylmercury Control Study

Background

Why Mercury?
Mercury is a legacy pollutant that was primarily mined in the Coast Range and used by miners in the Sierras to extract gold during the 19th century. Mercury now contaminates many Delta waterways. When concentrated in its biologically-available form, methylmercury (MeHg), it can cause health effects in wildlife and people that eat fish.

Why now?
The Central Valley Regional Water Quality Control Board's new regulatory program, called the Delta Methylmercury Total Maximum Daily Load (or TMDL) requires reductions of methylmercury in Delta waters. The TMDL takes a step-wise implementation approach. Phase 1 requires methylmercury sources to identify management practices that can control methylmercury on their lands.

Survey Goal -
Wetlands and irrigated agriculture are two source types that contribute methylmercury to Delta waters. The results of this survey will provide a better understanding of the range of irrigation practices on agriculture and managed wetlands. This is a first step in a region-wide effort to figure out what types of techniques could be used to reduce mercury exposure.

10%

Next

Managed Wetlands Q2 & Q3

2. For previously listed habitat types: How many days does it take to flood up and how many days does it take to draw down?

	Habitat Type	Flood Up (in Days)	Draw Down (in Days)	Depth of Surface Water at Start of Draw Down (Inches)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

+ Add Question ▼ Split Page Here

Q7 ▼

3. For flooded fields, do you continuously run fresh water for flow through?

	Just a trickle through the boards	Little flow through (Barely discernible sediment movement if disturbed)	Moderate flow through (I can see sediment movement if soil is disturbed)	High flow through (Soil disturbance disperses quickly)	N/A
Yes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments

Managed Wetlands Q4

4. For the previously listed habitat, in an average water year, do you do any growing season irrigation (May - August)?

	Habitat Type	Acres of Managed Wetlands	First Irrigation Date	Second Irrigation Date	Third Irrigation Date	Depth of Surface Water at Start of draw down (Inches)	Days Water Held?	Number of Irrigations Over 3
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments

Agriculture – Q1

1. List the crop type and your average irrigation dates in the growing season?

	Crop	Crop Acres	Irrigation Type	Irrigation Season Start Date	Irrigation Season End Date	Irrigate Every _#_ (Days)	Depth of Surface Water at Start of Draw Down (Inches)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments

Agriculture – Q2

2. For the previously listed flood irrigated agriculture: How many days does it take to flood up and how many days does it take to draw down, for growing season irrigation?

	Crop	Flood Up (in Days)	Days Water Held	Draw Down (in Days)	Depth of Surface Water at Start of Draw Down (inches)
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments

Agriculture – Q3

3. What post harvest techniques do you utilize?

	Crop Type	Disking	Baling	Chopping	Other
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other (please specify)

Privacy Issues

- All data will be used in aggregate
- Participants have the option to give their TMDL region and zip code