

# Orleans Marine and Fresh Water Quality Task Force

## Minutes of 18 May 2009

The meeting was called to order by Carolyn Kennedy at 10:05 am.

Members attending: Carolyn Kennedy, Judy Scanlon, Ken Scott, Julie Martin

Minutes of April 22 were Approved 3-0-1 with the following corrections:

Fresh Water Pond results 2008:

- ppm should be ppt
- Salinity in Cedar pond was 20-22 ppt during 2008 August PAL sampling
- 2008 lead levels were high in Bakers and Crystal, but negligible in Pilgrim sediment samples. Was most likely historical lead suspected to be primarily from leaded gasoline.

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TOWN OF ORLEANS  
TOWN CLERKS OFFICE  
*Edwina Asst*

### 2009 Pond Sampling:

The North Atlantic Laboratory in Truro is gathering supplies for pond sampling this spring. They have sent new instructions but they still need to be clarified. Carolyn Kennedy will pick up the materials this week.

One of our volunteers, Judith Bruce, who normally samples many ponds may be unable to complete as many samples this year so help is needed to complete the sampling. Joann Figueras will sample Bakers but we may need volunteers to do: Crystal, Uncle Seth's, Uncle Israel, Gould, Deep Shoal, Sarah's, Meadow Bog, Cedar and Wash.

Carolyn can do Boland, Kettle, Uncle Harvey and Twining. Julie Martin volunteered to assist with some of the ponds. When Gilbert Merritt returns perhaps he could assist as well. Julie will need some instruction. The volunteers will need sampling kits. We also need to get a meter(s) for the sampling. Carolyn will put together kits and bags of supplies for the pond sampling.

This is to be a one-time sampling in May-June. Samples can be dropped off at Judy Scanlon's stand to be frozen.

### Cedar Pond Salinity:

SMAST is trying to formulate a recommendation for Cedar Pond. In addition, George Meservey has had conversations with Eastham regarding Cedar Pond's increased salinity and it's effect on fish. SMAST has available a data logger for salinity monitoring and has offered to deploy it in Cedar Pond but they want to be paid for the deployment. The cost would be \$750 for one logger or \$1250 for two loggers. The original thought was to put 2 in the same location at different depths. Carolyn Kennedy recommended that the logger not be placed on the bottom of the pond based on the poor conditions at the lowest levels and suggested it would be better to place them in two locations but stay off the bottom. The recorder is an automatic recorder. This item has been brought to the committee to address the funding issue.

The point of the monitoring is to determine the current salinity in Cedar Pond after the new road work at the culvert was completed.

The only available funding would be from the Auty Fund. This salinity monitoring along with the \$1000 still owed for pond sampling in 2008 and future bill for 2009 depletes the fund. Carolyn noted that we are to receive \$500 from Pleasant Bay RHC for the sampling data on Uncle Seths Pond. This was from an arrangement with the Cape Cod Commission when the new extension to their facility was completed. It was agreed that if we supplied sampling data they would contribute \$500 to the Auty fund for each year. We have submitted data for two sampling cycles. Carolyn has sent results and requested the promised payment but has not yet received any funds. This could add another \$1000 to the available funds.