

**Marine and Fresh Water Quality Task Force
Minutes, January 10, 2011
Skaket Room, Orleans Town Hall**

11 FEB 28 AM 11:20
TOWN OF ORLEANS
TOWN CLERKS OFFICE

Attending Members: Carolyn Kennedy, Judy Scanlon, Gilbert Merritt, Bob Royce, Ken Scott
BOS Liaison: David Dunford

Concerned Citizens: Charles Harris of Eastham and Beth Carney of Orleans.

Meeting called to order by Chair Carolyn Kennedy at 10:00 am.

- 1) **Minutes** of the December 17 Special Meeting were approved. 4-0-1
- 2) **Minutes** of the December 20 Regular Meeting were approved 5-0-0
- 3) **Task Force Annual Report:** Carolyn distributed a final copy of the WQTF Annual Report to be included in the Town Annual Report.
- 4) **Future Meeting and Namskaket Sampling Schedule** was distributed. Attached.
- 5) **Cedar Pond Project** Discussion centered around options for management and next steps.

Option A: Saline state. (~ 35 ppt salinity)

- Necessitates major construction and dredging of input waterway
- Maximum sensitivity to nitrogen input
- Would not support herring spawning or eel maturation
- Water level would fluctuate with the tides
- Danger of flooding low lying properties on maximum flood tides
- Danger of destroying current White Atlantic Cedar Swamp
- Threat of silting in pond and input waterway
- Offers an opportunity for aquaculture

Option B: Brackish (<= 12 ppt salinity)

- Necessitates construction of a water level control structure
- Sensitive to phosphorous and nitrogen inputs
- Offers some nitrate attenuation to the Rock Cheek estuary
- Supports herring spawning and eel maturation with a herring ladder
- Maintains the historic, relative constant water level
- Protects the White American Cedar Swamp

Option C: Fresh (< 3 ppt salinity)

- Need a somewhat more elaborate water level control structure than B
- Maximum sensitivity to phosphorus input
- Offers maximum nitrate attenuation to the Rock Cheek estuary
- Supports herring spawning and eel maturation with a herring ladder
- Gives a slightly higher than historic, constant water level
- Higher water level might impact the White American Cedar Swamp

Next Steps: Judy S. to contact DEP and Brian Dudley for their input

Carolyn K. to contact John Kelly, Sarah Peak and Dan Wolf to solicit their support in forcing NSTAR and DOT participation. Carolyn will also research private companies with on-Cape pond remediation experience.

6) **Namskaket Sampling.** Carolyn and Gilbert to sample in January. Ken and Gilbert to sample in February. Gilbert to check Kim VanThaden if Ken is unable to sample in February.

7) **Cape Cod Commission Sub-committee Meeting:** Tuesday January 18. Carolyn to report on Task Force support of CWMP.

8) **New Business:** Charles Harris reported that Eastham is writing a RFP for remediation of their freshwater ponds. He reminded us that there is a hurricane super high tide once or more every 25 years and to consider that in our Cedar Pond plans. Eastham has a professional report on their Town Web site now giving recommendations on freshwater pond remediation.

Beth Carney wanted to know where the Town Cove MEP report was and if Findlay Road and Lots Hollow Roads were part of the Rock Harbor watershed. The task force responded that we too were awaiting the Town Cove report and that Findlay and Lots Hollow Roads were part of the Rock Harbor watershed.

9) Meeting was adjourned at 11:30am. 5-0-0

Respectfully submitted, Gilbert Merritt

Approved 4-0-0  *2/28/11*

**TOWN OF ORLEANS
OFFICIAL NOTICE OF
A PUBLIC MEETING**

Marine and Fresh Water Quality Task Force

COMMITTEE NAME

ON Monday, February 28, 2011
DAY DATE

AT 10 am IN Skaket Room
TIME MEETING ROOM

LOCATED AT Orleans Town Hall
STREET ADDRESS or BUILDING NAME

AGENDA ITEMS:

Old Business:

- Cedar Pond followup
- Namskaket sampling assignments
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New Business:

- Spring freshwater pond sampling, budget constraints
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Other Items

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MINUTES TO BE VOTED ON (LIST DATES):

- January 10, 2011
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POSTED BY

DATE POSTED

Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.