

**Feasibility Study to Eradicate Aquatic Invasive/Nuisance Species in
Canaan Lake, North Patchogue and Upper and Lower Lakes, Yaphank**

**Steering Committee Start-up Meeting for Canaan Lake, Patchogue
October 15, 2009
Canaan Lake Beach Community Club
8:00 PM – 8:30 PM**

Present:	Name	Affiliation	E-mail
	Chic Voorhis	NP&V	cvoorhis@nelsonpope.com
	Lara Urbat	NP&V	lpomi@nelsonpope.com
	Frank Castelli	SCDEE	
	David Madara	Canaan Lake Community	ddmadara@msn.com
	Carl Sachia	Canaan Lake Community	carolalio@optonline.net
	Amy Sebastiano	Canaan Lake Community	
	MaryBeth Clark	Canaan Lake Community	mbc610@optonline.net
	Darlene Trava	Canaan Lake Community	DarleneTrava@yahoo.com
	Micky Trava	Canaan Lake Community - Chair	tkavto@optonline.net
	Judy Blumenthal	Canaan Lake Community	kjrsb@optonline.net
	Nilda Bullock	Canaan Lake Community - President	nmb117@yahoo.com
	John Maddock	Canaan Lake Community	
	Lucinda Maddock	Canaan Lake Community	jm65cm@optonline.net
	Maureen Diolosa	Canaan Lake Community	
	Carol Rios	Canaan Lake Community	

The purpose of this meeting is to discuss with the steering committee for Canaan Lake, the timeline/schedule, approach to the project, and available information.

Introduction – Frank Castelli (SCDEE) - welcome and introduction of consultant to the group.

Presentation of Timeline and Approach– Chic Voorhis, NP&V

- Chic Voorhis provided overview of consultant team members: Nelson, Pope & Voorhis, Nelson & Pope Engineers, Dr. Chris Gobler of SUNY School of Marine and Atmospheric Science (SoMAS), Mike Bontje of B. Laing Associates, and Dr. Richard Orson of Orson Environmental Consulting.
- Power Point slide presentation on approach to tasks and available known information for the feasibility report. Importance of a good plan for funding, stakeholder buy-in and permitting was stressed.

The presentation covered the following topics:

1. **Project Overview Schedule:** List of tasks presented.
2. **Task 1a: Watershed delineation and characterization** - To be conducted by NP&V
3. **Task 1b: WQ Review, Monitoring & Sediment Composition**

Existing data sources to be compiled and reviewed by NP&V/SoMAS for inclusion in draft/final report:

- a. CSLAP reports

Proposed data from Consultant Team:

- SoMAS to do comprehensive **water quality sampling** – 4 season water quality sampling to include sampling for potential cyanotoxins, sediment assessment, and macrophyte map

4. **Task 1c: Bathymetry, Pollution Sources, Dams, Bulkheads & Living Resources**

Existing data sources to be compiled and reviewed by NP&V/BLaing for inclusion in draft/final report:

- a. NYSDEC General Bathymetry Map
- b. NYSDEC Macroinvertebrate Sampling

Proposed data from Consultant Team:

- BLaing/NPV to conduct shoreline and cross-lake surveys and NPV to compile all available info into GIS database to produce following mapped information
 - Updated macrophyte map (including *Phragmites* along shoreline)/living resources

- visible pollutant sources map (Coalition's data amended if necessary)
- Bulkheads/hardened shorelines/dams/spillway locations
- Living resources
- Fill in data gaps in bathymetry information.

5. **Task 1d: Underwater Land Ownership, Legal Designations & Example Plans**

Existing data sources to be compiled and reviewed by NP&V/BLaing/Orson for inclusion in draft/final report:

- a. Tax maps for ownership info
 - b. Legal designations
 - c. Review existing management plans for species of interest (Cabomba, Myriophyllum, Phragmites)
 - i. Harvester used in 1980's
 - ii. Grass Carp introduced in 1999
 - d. Literature review of available plans and nuisance plant alternatives
6. **Task 2: Management Alternatives**
- a. Team will build on existing information, work with stakeholders, equally assess all options and work towards consensus.
 - b. NPV/BLaing/Gobler will use matrices to assess alternatives and analyze:
 - i. Direct/indirect impacts
 - ii. Maintenance effort/cot of short & long-term controls
 - iii. Regulatory requirements/consideration
 - iv. Community support
7. **Task 3: Meetings & Stakeholder Involvement**
- a. Team will coordinate with County, Town, Local Councilperson, NYSDEC, Coalition & other stakeholders (e.g. residents).
 - b. Public education and collaboration will be used to understand history of the system (e.g. historical modification), identify modes of introduction, control inoculants, instill responsibility
 - c. Meeting breakdown:
 - i. Steering Committee (for each lake)
 - a) 1 start-up (*September 2009 – this meeting*)
 - b) 1 interim (*January – March 2010*)
 - c) 1 Progress (single meeting at end of Tasks 1&2) (*January – April 2010*)
 - d) 1 wrap-up (*January – February 2011*)
 - ii. Public Meetings (for each lake) – *County to publicize two weeks in advance*
 - a) 1 initial to highlight existing conditions; discuss options (*April – May 2010*)
 - b) 1 interim to build consensus toward preferred alternative (*July – August 2010*)
 - c) 1 additional final (if necessary, to assist in selecting alternative) (*Nov. – Dec. 2010*)
8. **Task 4:** Only for Upper and Lower Lakes in Yaphank
9. **Task 5: Annual Reports & Public Summary**
- a. Public summary to be provided with final annual report and published on website
10. **Task 6: Establish & Maintain a Public Domain Website**
- a. Will be up and running shortly

Public Comments/Questions –

Information Provided by Association Members

1. Carol Dubin, resident and of the former Canaan Lake East Association, has performed lake sampling and has data from sampling events
2. There has been a decrease in the fish population to the immediate south of the lake
3. There is a tributary coming from the west which is carrying a plume from the old Brookhaven Landfill. This enters near the center of the lake.
 - a. A lawsuit was filed regarding treatment of the plume. This was supposedly won 3-4 years ago by those who wanted treatment of this plume.
 - b. At this time no treatment for this has occurred.
4. The General Membership meeting for the Canaan Lake Association is held on the first Thursday of every month. It was requested the Camilo give the same presentation to the general membership at some time in January.

The meeting ended at 8:30 p.m.