



## China Region Lakes Alliance

PO Box 178, South China, Maine 04358

Tel: (207) 923-3358

**A Lake is the Product of its Watershed...And the People who Care for it**

February 8, 2012

Ms. Mary S. Sabins  
PO Box 129  
N. Vassalboro, ME 04962

**Re: China Region Lakes Alliance – Town Report**

Dear Ms. Sabins:

The *China Region Lakes Alliance* (CRLA) is pleased to submit its Vassalboro Town Report summarizing the projects and water quality project activities undertaken in 2011.

The CRLA has been helping to protect and improve the water quality of the Lakes and waterways in the Town of Vassalboro since 1995. A sampling of the work completed in Vassalboro alone is appended.

The *Courtesy Boat Inspection* program is run by CRLA each year to staff the 4 public boat launches and inspect boats and trailers for invasive plants (i.e. milfoil). This past year 19 young adults from area high schools were trained and employed to guard the Lakes from hitchhiking plants from out-of-state and in-state invested lakes. The cost to CRLA to provide this service was \$ 18,550 which doesn't include the volunteer time provided by CRLA Board members or other community helpers that were provided to help make the program run smoothly. We feel, however, it is worthwhile and essential to invest in this protection to hopefully avert an infestation calamity.

In terms of conservation project, a series of surveys and pre-construction work were conducted at the Seaward Mills Stream to help mitigate the fish passage issues at the Route #3 culvert crossing (photographs appended). This project is ongoing and involves numerous State and Federal agencies along with CRLA as the project leader, and many local-interested- stakeholders. With Vassalboro's continued help and support, the implications for improving alewife habitat and water quality conditions in Three Mile Pond remains one of our main and most exciting goals!

A major conservation project, using the DEP's Stormwater Compensation Funds from the Webber Pond Watershed, in conjunction with match from the property owners and CRLA, was undertaken at Green Valley Campground. CRLA helped administer and engineer the project, using local contractors and material suppliers, to implement substantial conservation practice upgrades over \$12,000 in value.

We look forward to a continued good partnership with the Town of Vassalboro and appreciate your support.

Sincerely,

Jim Hart, CRLA President

*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District

Figure 1 - Route 32 Plunge Pool - **Before**



Figure 2 - Route 32 Plunge Pool - **After** (hauled away 4 yards of sediment)



*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District



Figure 3 - China Lake Kiosk at E. Vassalboro Boat Landing with Public Works Department



Figure 4 - China Lake Kiosk at E. Vassalboro Boat Landing with Public Works Department-



*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District

Figure 5 – Seaward Mills Stream – DEP, NOAA, NRCS, DMR Agencies; CRLA, and Landowners survey meeting.



*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District

Figure 6 – Seaward Mills Stream – Pre- Brush clearing



Figure 7 – Seaward Mills Stream – Post- Brush clearing by CRLA

*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District





**Green Valley Campground # 1 Before**

**After**



Eroding roadway on a steep hill leading to Webber Pond

Same road, resurfaced, crowned and ditching/turnouts added #2, 12, 15, 16

*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District



**Green Valley Campground # 2 Before**

**After**



Area where road surface material from Site # 1 accumulates #2, 12, 15

China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and  
 any through Integrated Watershed Management.  
 er Pond, Three Mile Pond Association, Webber Pond Association,  
 alboro, Town of Windsor, Kennebec Water District





Rocked drainage diversion and plunge-pool to capture stormwater and any eroded road material from hill #2, 12, 15

**Green Valley Campground # 3 Before**



Runoff area from 1/2 the campground and area of significant sheet flow and surface erosion #2, 10, 12, 15

**After**



Underdrain filter swale & site of future shrub plantings

*Our mission: to protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District





Areas beyond new filter swale will be mulched with ECM in spring of 2012 #2, 12, 15



**Green Valley Campground # 4 Before**

**After**

*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District



Boat ramp without any infiltration  
#8



Boat ramp with infiltration trench  
installed  
#2 & #12

*Our Mission: To protect and improve the water quality in China Lake, Three Cornered Pond, Three Mile Pond and Webber Pond, and to benefit our local economy through Integrated Watershed Management.*

Members: China Lake Association, Three Cornered Pond, Three Mile Pond Association, Webber Pond Association, Town of China, Town of Vassalboro, Town of Windsor, Kennebec Water District