Southern Lake Champlain Action Plan

Prepared by the South Lake Workgroup

Updated October 2, 2012
South Lake Workgroup Stakeholder Participant List

The following individuals and representatives of stakeholder organizations were core members of the Workgroup and contributed to the development of this Action Plan for the Southern Lake Champlain Basin:

Jennifer Alexander, Educator, Southern Vermont Nutrient Management Program
Tom Bartholomew, Chair, Planning Commission, Town of Benson, Vermont
Tom Berry, Former Lake Champlain Program Director for The Nature Conservancy (now U.S. Senator Leahy's lead staff person in Vermont on agricultural and natural resource issues)
Joanne Calvi, Director, Friends of the Poultney River
Mary Droege, Director of Ecological Management and Restoration, Southern Lake Champlain Valley Chapter of The Nature Conservancy
Laura DiPietro, Deputy Director, Agricultural Resource Management and Environmental Stewardship Division, VT Agency of Agriculture, Food, and Markets (also Michael Middleman)
Lori Fisher, Executive Director, Lake Champlain Committee
Bill Forbes, District Conservationist, USDA-NRCS
Sylvia Harris, Agricultural Resource Specialist, Vermont Association of Conservation Districts
Ken Van Hazinga, Farmer, Shoreham, Vermont
Eric Howe, Technical Coordinator, Lake Champlain Basin Program
Sandy Kuehn, Former South Lake Representative, Lake Champlain Citizens Advisory Committee
Paul Marangelo, Conservation Ecologist, The Nature Conservancy
Meg Modley, Aquatic Nuisance Species Coordinator, The Lake Champlain Basin Program
Julie Moore, Director, Clean and Clear Program for Lake Champlain, VT Agency of Natural Resources
April Moulaert, Wetlands Biologist, Waterscapes LLC, and Ducks Unlimited
Rebecca Purdom, Associate Professor of Environmental Studies, Law & Policy Division Chair, Environmental Studies & Management, Green Mountain College (invite John Van Hoesen as her replacement)
Shannon Pytlik, River Scientist, River Management Program, VT Agency of Natural Resources
Steve Pytlik, Soil Conservationist, USDA-NRCS
Marli Rupe, District Manager, Poultney Mettowee Natural Resource Conservation District (now with Cyd Groff as new DM)
Wally Shonnard, Lake Champlain Restoration Association
Andrew Snell, Coordinator, Champlain Watershed Improvement Coalition of New York
Ethan Swift, Watershed Coordinator, VT Agency of Natural Resources
Mike Winslow, Staff Scientist, Lake Champlain Committee
Barbara Woodard, Owner, Woodard Marine. Member, Lake Bomoseen Association
Sheri Young, South Lake representative to the Lake Champlain Citizens Advisory Committee
The primary goal of this action plan is to reduce the phosphorus load delivered to Southern Lake Champlain. The table below lays out broad objectives for this effort, and then begins to frame-out specific actions to achieve the stated objectives. It is anticipated that the list of action items will first be expanded, based on input from agency staff and watershed partners, and later prioritized and refined based on the staff and financial resources available to implement specific actions. Action items include both necessary data collection and assessment efforts, in addition to specific implementation activities; action items should be able to be accomplished within the next five years. Action items reflect some of the primary goals and objectives identified in Opportunities for Action and the Lake Champlain Phosphorus TMDL. This workplan was developed to identify high priority implementation actions and tasks that provide opportunities for all stakeholders in the Southern Lake Champlain Basin to pursue technical and financial support for implementation.
## Objective # 1 – Develop a framework for identifying, prioritizing, and remediating critical source areas

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<thead>
<tr>
<th>#</th>
<th>Strategy - Action</th>
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</thead>
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| 1 | Define how grant efforts will be coordinated in the south lake *(i.e.)* | 1. Coalition will review and endorse grant proposals as per the Workplan 2. Develop a ranking process for project proposals. | TBD | South Lake Group | Establish the “South Lake Partners” group to review implementation efforts – Fall 2012  
**Tactical Basin Planning for the South Lake Champlain Basin to commence in 2012** |
| 2 | NY project to ID critical source areas and development of protocol for assessment and ranking for project implementation. | 1. Once mapping is completed, groundtruthing will be conducted | ARRA-604(b) funding awarded | CWICNY | Cross reference with revised Lake Champlain Phosphorus TMDL Implementation Plan Completed?  
PMNRCID received grant from Clean & Clear |
| 3 | Perform geospatial (GIS) analysis and mapping to evaluate the frequency and location of specific combinations of landscape features (e.g., slope, soil type, cropping system), similar to the *Missisquoi Areawide Plan* | 1. Once mapping is completed, groundtruthing will be conducted | $14,400 (Clean and Clear) | PM NRCD/ GMC | Completed – needs to be updated (work with GMC)  
PMNRCID received grant from Clean & Clear |
| 4 | Expand water quality monitoring and assessment Priority (1) waterways include Basin 4 tributaries: East, Hospital, Whitney (2) Ongoing maintenance and monitoring | 1. Identify and initiate sampling plan | LaRosa Lab Services | VT DEC  
And partners in monitoring | Underway – third year of monitoring |
| 5 | Explore the concept a South Lake Education and Research Center | 1. Form an exploratory committee | | GMC and partners | Coordinate with PM NRCD on this concept |
| 6 | Continue efforts to coordinate with NY (CWICNY, DEC, Lake George Ass’n) Include PMWP → SL partnership | 1. Schedule a training | | VTANR (RMP staff) and | Use of field seasonal workshops |
| 7 | Pilot a protocol for the | | | | |
# Strategy - Action | Tasks | Budget/ Funding | Participants | Status/ Timeline
---|---|---|---|---
identification and management BMPs for ditches versus streams Provide outreach... | workshop | | VAAFM | will be promoted to educate resource professionals regarding issue

**Objective # 2 – Reduce the non-point source phosphorus load that is being generated by runoff from developed lands**

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<tr>
<td>8</td>
<td>Survey existing infrastructure in village centers to identify and prioritize retrofit opportunities; IDDE surveying of stormwater outfalls – Castleton, Fair Haven, and Poultney (VT) and Whitehall, Ticonderoga, Fort Ann, Lake George (NY)</td>
<td>1. Grant funding 2. IDDE surveying of towns</td>
<td>ERP</td>
<td>ANR Stone Environmental Basin towns</td>
<td>Submit Clean &amp; Clear pre-proposal in late-2009 Underway – anticipated completion in Spring 2013</td>
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<td>9</td>
<td>Map and analyze impervious areas (e.g., roofs, roads, sidewalks) and drainage patterns in village centers</td>
<td></td>
<td>604(b)</td>
<td>RRPC</td>
<td>LiDAR data collection is necessary first step</td>
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<tr>
<td>10</td>
<td>Provide incentives to municipalities and developers that would increase the amount of innovative practices that could be applied to existing and future impervious areas</td>
<td>1. Clean &amp; Clear/ ERP funds awarded/ allocated for Benson, Castleton</td>
<td>EPA 319/ 604(b) ERP</td>
<td>Towns via pass-through funding Note: check to see if incentives under Act 138 apply to this.</td>
<td>Check status Benson, Castleton LID projects completed CWICNY stormwater tradeshow on 10/02/12 Burlington SW tradeshow 10/03</td>
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<td>11</td>
<td>Implement high-profile demonstration projects that showcase non-traditional stormwater treatment practices</td>
<td>1. Outreach with towns to determine interest and feasibility. 2. Develop outreach materials – mail to basin towns</td>
<td>EPA 319 Clean and Clear/ ERP</td>
<td>VANR</td>
<td>Develop stormwater demonstration project Implemented for the Towns of Benson, Castleton, and Poultney in VT). MS4 Towns in NY include Queensbury</td>
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<td>12</td>
<td>Develop educational materials for towns to use when • reviewing building permit applications • provide assistance with developing a protocol related to obtaining a</td>
<td>1. Coordinate with RPC’s. 2. Apply for grant funding.</td>
<td>LCBP E&amp;O grants 604(b)</td>
<td>Rutland RPC LCLGRPB DEC Lakes and Ponds Division</td>
<td>Support RPC efforts to pursue a 319 604(b) (or other grant opportunity) to develop educational materials 319 does not fund education projects</td>
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<td>stormwater permit (construction and operational) on all building and zoning permit applications Developing a “lake-friendly” certification for new homes and development.</td>
<td>Design outreach campaign – showcase LID practices installed throughout basin</td>
<td>Watershed grants LCBP Outreach grants</td>
<td>VLCT, RPC’s</td>
<td>Implement collaborative outreach program with VLCT, RRPC, UVM Sea Grant ACRPC developed LID outreach materials</td>
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<td>13</td>
<td>Distribute educational materials for towns/landowners interested in using low-impact development practices</td>
<td>Check GI strategies</td>
<td>ERP 604(b)</td>
<td>DEC stormwater RPC’s EPA</td>
<td>Partnership with UVM Sea Grant underway</td>
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<td>14</td>
<td>Develop (promote?) and install at least four “green street” linear rain gardens and bio-retention swales within the public ROW (between the road and the sidewalk) in town centers (target Fair Haven?).</td>
<td>1. Contact UVM-Sea Grant to gage interest in supporting southern lake pilot, akin to on-going effort in St Albans.</td>
<td>ANR</td>
<td>Need more research to see if this is practical? Federal facilitator?</td>
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<td>15</td>
<td>Develop a program for “Green Towns” and/or “Green Villages” and seek LEED certification for municipal stormwater utilities/facilities</td>
<td>1. Tier 1 assessment for 18 farms in the South Lake 2. Tier 2 assessment for 6 farms in the South Lake 3. Hire intern to assist with</td>
<td>ERP</td>
<td>District ARS staff ARS/ NRCD’s</td>
<td>Renewed focus of ARS/ NRCD work</td>
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**Objective # 3 - Reduce Non-Point Source Pollution from Agricultural Operations**

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<tr>
<td>16</td>
<td>Complete AEM assessments on SFOs (LFO – every year/ MFO – every 3 years is standard)</td>
<td>1. Complete inspections 2</td>
<td>AAFM ERP – VACD grant for additional ARS positions</td>
<td>VTAAFM</td>
<td>Done</td>
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<td>AEM approach now widely used – target SFO’s</td>
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<td>17</td>
<td>Continue surveying small farms in the South Lake draining basin to identify conservation needs (duplicative now with #16 above)</td>
<td>1. Tier 1 assessment for 18 farms in the South Lake 2. Tier 2 assessment for 6 farms in the South Lake 3. Hire intern to assist with</td>
<td>ERP</td>
<td>District ARS staff ARS/ NRCD’s</td>
<td>Renewed focus of ARS/ NRCD work</td>
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| 18 | Increase participation in and access to state and federal cost-share programs | 1. Increase staff available to provide one-on-one assistance to farmers about program and individual needs 2. Ensure adequate program promotional materials is available to technical staff and partners | ERP | VTAAFM, VACD SVNMP, NRCS, UVM Extension | Winter, 2012-2013
| 19 | Increase implementation of on-farm BMPs and nutrient management practices | 1. Increase staff available to provide one-on-one assistance to farmers about program and individual needs by securing funding for 1 additional agronomist for the South Lake. 2. Provide on-farm demonstrations of new aerator equipment on 4 farms in the South Lake region. 3. Hold 2-4 farmer meetings with representatives of agencies and organizations about various program opportunities for farmers (FAP, BMP, NRCS Farm bill programs, SVNMP). 4. Increase nutrient management planning (testing and plan | VTAAFM, VACD (SVNMP) | District ARS staff | 4 demonstrations by spring 2010 —funding secured
|     |                  |       |                |              | 2 meetings in PM basin—funding secured—additional support as part of basin planning process | Status? |

There are several updates on this – the LC partner MOU, SVNMP

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**South Lake Workplan – Updated September 17, 2012**
**Objective #4 – Implement erosion control practices on annual cropland emphasizing nutrient management and riparian buffers**

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| 20 | Facilitate use of strategies for alternative liquid manure application, crop residue and tillage management | 1. Increase participation in NRCS CCPI program  
2. Identify lands that could benefit from cover cropping and alternative nutrient management practices through GIS  
3. Use FAP program and other resources to increase use of cover cropping through staff and new agronomist position  
4. Promote VT Ag Buffer Program and increase application along ditches on annual cropland  
5. Hold 2-4 farmer meetings with representatives of agencies and organizations about various program opportunities for farmers (FAP, BMP, NRCS Farm bill programs, SVNMP) | VTAAFM, NRCS  
VACD (SVNMP), District ARS staff | December, 2009 completion  
New cover crop applications available in June/July 2010  
Winter 2010-2011 | Status? |

| 21 | Determine base acreage used for various land use and evaluate NMP need.          | 1. Complete mapping project (GIS) to evaluate land use (where acreage needed NMP lite for small farms) | Need NMP lite for small farms  
ANR, VAAFM, District ARS staff, VACD, NRCS, SVNMP | December, 2009  
Ongoing |
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<td>22</td>
<td>Identify lands that could benefit from cover cropping and utilize the FAP program along with additional resources to implement large scale cover cropping in basin.</td>
<td>Funding has been allocated for all fall cover cropping by the Agency of Agriculture. Need more funding from the legislature for next year.</td>
<td>VAAFM/South Lake Partners SVNMP</td>
<td>Farmer’s send in applications for cover cropping. New applications will be available on the VAAFM website beginning July 1 each year.</td>
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<td>23</td>
<td>Promote the Vermont Agricultural Buffer Program (VABP) to get 10’ minimum buffers along all ditches on annual cropland CREP – lite (promote and implement before 2011)</td>
<td>CREP/VABP funds from Capital Funds VAAFM</td>
<td>VAAFM/South Lake Partners SVNMP</td>
<td>VAAFM does not have staff devoted to this program for planning purposes, yet they do have program administrative staff that can provide some limited tech assistance.</td>
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<td>24</td>
<td>Determine base acreage utilized for annual, perennial and pasture land in the Basin and then figure out the need for NMP development on farms. Utilize the VAAFM NMP program to help farmers with the financial portion of NMP development.</td>
<td>Funding may be limited in 2010, however showing need for 2011 funds is equally as important.</td>
<td>ARS/VAAFM SVNMP</td>
<td>ARS Basin Planners work together to figure out the base acreage Basinwide. Aerator project funded for South Lake. No till drill funded – ERP 2011</td>
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**Objective # 5 – Protect river corridors, lakes, wetlands and undeveloped floodplains**

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<td>25</td>
<td>Perform a riparian buffer gap analysis and determine CREP goals for the watershed.</td>
<td>1. Work with agencies to set goals by reviewing results of project.</td>
<td>Clean and Clear</td>
<td>PMNRCD, NRCS, FSA, VAAFM</td>
<td>CREP in the South Lake Basin has occurred especially in the East Creek Basin.</td>
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| 26 | Review existing livestock exclusion strategies and provide alternatives to help farmers reduce the water quality impacts associated with livestock access to streams. | 1. Work with farmers and partners to identify gaps in existing programs, develop a report of these findings.  
2. Identify funding sources and develop grant agreements to implement identified solutions. | In-house VAAFM  
ACAP agronomists  
Livestock exclusion funding (VAAFM) | VAAFM  
SVNMP  
UVM-Extension | Status?  
Check the most recent livestock exclusion committee report (VAAFM) |
| 27 | Inventory all livestock operations in the Southern Lake Champlain watershed and identify those with existing livestock access to surface waters and promote programs that provide livestock exclusion and the development of alternative watering systems through enhanced technical assistance | 1. LFO/ MFO info collected and needs compilation.  
2. AEM surveys underway  
3. Inspection on small farms | FY 2010 Clean and Clear | VAAFM | MFO/LFO inspections completed and enforcement process being utilized where needed  
AEM survey underway in Rutland and Addison County for South Lake.  
Priority for revised TMDL Implementation Plan |
| 28 | Identify and implement 5 wetland restoration projects, as identified in *The Lake Champlain Wetlands Restoration Plan* | 1. Work with agencies to work with land owner candidates who have demonstrated interest.  
2. Work with AM to look at GIS data and in short term.  
3. Groundtruth | WRP  
Assessment project for East Creek funded under ERP | VTDEC, USFWS  
NRCS  
DU, DEC | 3 years – staffing dependent.  
Underway in the East Creek Basin |
| 29 | Complete SGA Phase 1 on the significant tribs in the Lower Champlain Direct | FY2010 Clean and Clear  
Arrowwood (contractor for the East Creek Assessment work) | DEC – RMP  
Arrowwood (contractor for the East Creek Assessment work) | South Lake Phase 1 SGA funded – under contract  
- Phase 2 also thru 2011 (East Creek) |
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| 30 | Complete Fluvial Erosion Hazard (FEH) mapping for 7 communities (we have SGA for 8 out of 11). Work with 5 communities to implement FEH zones in pre-disaster mitigation plans and local zoning ordinances (last task in process). (See Windham FEH materials) | 1. Finish FEH mapping where data exists – Have 1 community adopt by 2011  
2. Individual outreach with towns w/RRPC, VLCT | Clean and Clear  
604(b) project | RRPC (lead), ANR, PMNRCD | Outreach to Castleton, Wells, Middletown Springs  
Status? |
| 31 | Conduct Active River Area river assessment for all reaches of Hubbardton, Poultney, and Castleton Rivers. Outputs will be a conservation blueprint identifying conservation strategies and objectives for protecting riparian habitats, floodplain forests, material contribution areas, meander belts, and terraces | 1. Develop objectives, scope, workplan, and project schedule with partners by spring 2009. | TNC funded  
LCBP funded habitat grant | TNC – lead, ANR, PMNRCD | PM NRCD Habitat Connectivity Grant for the Upper Poultney |
| 32 | Complete and implement geomorphic-based river corridor plans for the Mettowee and Hubbardton Rivers. Seek projects to reconnect floodplain where possible | 1. Form an overarching “South Lake River Team” to review priority river restoration projects within different river basins  
2. Develop framework to streamline approach  
- data sets  
- priorities | ERP | ANR, PMNRCD, RRPC | Highest priority stream instability issues identified and prioritized. Potential projects will be identified and ranked based on likely degree of success due to degree of nutrient/ sediment attenuation, landowner willingness, and availability of funding.  
Mettowee River Corridor Planning process(and project ID) now underway |
<p>| 33 | Work with VLT to include riparian corridor protection in new and existing easements. | ID WRP in conservation easement process and break these areas out of easement. | ERP, VLT | VLT, RMP | VLT doing demo projects on the Mettowee. VRC has talked with some landowners. Pursue funding for easements. Update? |</p>
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| 34 | Work with VRC to conserve high priority river corridors as identified in the River Corridor Protection Plans | 1. Must work with RMP  
2. Outreach to landowners                                                                 |                                                                                               | RMP (issue with staff/ funding) | Current plans exist for Castleton and Poultney completed, some information on Mettowee |
| 35 | Work with towns to develop and implement comprehensive floodplain protection language in town zoning and ordinances | Develop a workshop series for municipal officials and town planners to promote floodplain protection | Incentivized by Act 138          | RRPC – lead (604(b)) VLCT       | In progress (?)                          |

Objective # 6 - Reduce erosion associated with transportation infrastructure, both formal and informal

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| 36 | Implement high priority municipal infrastructure projects that seek to remedy issues identified in geomorphic assessments and corresponding river corridor plans | Tasks  
1. ID gaps  
2. Seek assessment on tributaries where towns and landowners are interested in remediation strategies. |                                                                                               | Towns of Fair Haven, Castleton, Poultney | Promote river corridor projects based on existing river corridor plans |
| 37 | Determine where existing B&C surveys exists. Seek opportunities with towns to conduct additional inventories and prioritize structures for repair and/ or replacement. | Tasks  
1. Inventory B&C culvert inventory  
2. Work with towns to develop capital expenditure plans for when to replace structures and help find additional funds so the structures are geomorphically compatible and do not cause fish migration issues | VT Better Backroads program  
Underway via 604(b) grant by RRPC  
Best now to pursue this post-Irene | RRPC, DEC, PMNRCDC | Wells survey and compilation of data underway. BBR grants will be pursued in both Poultney and Wells.  
Lake Bomoseen Water Quality Committee interested in this approach for Bomo basin (towns of Hubbardton and Castleton) |
| 38 | Conduct Better Backroads inventories for road-related erosion problems for towns in the South Lake. Use road inventories to identify the highest priority projects on backroads in towns. | Tasks  
1. Highest priority backroad runoff issues identified and prioritized.  
2. Comprehensive listing of runoff/ issues described and catalogued for potential funding | VT Better Backroads program  
VT DEC, PMNRCDC Towns | ID towns that have/ have not participated – outreach program to towns that have not |

Status – PMNRCD class 4 roads project?
## Objective # 7 - Reduce lakeshore erosion and subsequent nutrient enrichment, by stabilizing shoreland areas and promoting landowner Best Management Practices (BMPs)

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| 40 | Map areas of erosion along lakeside areas – Identify areas with stabilization potential based on slope and soil type. Implement stabilization projects. | 1. Using maps, identify areas of stabilization potential  
2. Implement high priority stabilization projects  
Break out inland lakes vs. Lake Champlain | CC grant  
LCBP grant to PMNRCD to target inland lakes (as continuation of LEAP effort) | RRPC  
Towns | Highest priority erosion issues identified and prioritized. Comprehensive listing of runoff/erosion issues described and catalogued for potential funding sources. |
| 41 | Promote landowner best management practices – promote the Lake Protection series throughout Lake Champlain and inland lakes. | 1. Promote LCC lake protection pledge  
Adapt to inland lakes as appropriate  
Lakes and Ponds  
FOVLAP | Sea Grant to focus on South Lake | |
| 41(b) | Increase awareness of inclusion in the Lake Champlain Basin and promote mutual goals | | PMNRCD coordination | | |
| 42 | Increase awareness about water quality runoff issues regarding lakeshore development.  
Promote the work of lake associations in the South Lake to develop and implement long-term strategic management plans. | 1. Conduct Workshops and night meetings on specific topics/issues; provide volunteer training on inventory and surveying;  
2. Sponsor stormwater vendor tradeshow for contractors and excavators;  
3. Provide municipal planning assistance for lake towns. | LEAP  
604(b) funded | UVM Sea Grant  
Lakes and Ponds | Target Lake Bomoseen basin - [underway](#)  
Contact Chris Navitsky – Lake George Water Keeper  
LSCA has doorknob hanger campaign re: invasives |
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<td>43</td>
<td>Promote the Clean Marine campaign</td>
<td>Woodard Marine (Lake Bomoseen) actively pursuing certification</td>
<td>EPA, DEC (lakes), Woodard Marine</td>
<td>Update?</td>
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**Objective # 8 – Address phosphorus loads associated with discharges of improperly or untreated sewage**

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| 44 | Promote healthy and properly designed septic systems. Promote proper maintenance and landowner BMPs related to septic systems. | 1. New landowner toolkit  
2. Webpage and outreach materials developed  
3. Research grant to determine % of problem | NeighborWorks, DEC WsMD - WWTF | NeighborWorks offers low interest loans for folks that qualify for assistance in septic designs and systems. | Explore Sheri’s research concept |
| 45 | Ensure that each of the facilities in the watershed have an approved sewage spill prevention plan for the treatment plant and collection system by 2012. | Recertification proposed to occur within each tactical basin planning cycle | SRF                           | ANR                           | In review  
* highlight and prioritize WWTF  
* New Requirement – required by NPDES within 5 years of renewal | Update needed |

46
List of Acronyms:

AAFM   Agency of Agriculture, Food, and Markets
AAPs   Accepted Agricultural Practices
ACRPC  Addison County regional Planning Commission
AEM    Agricultural Environmental Management
AEP    American Electric Power
AMPs   Acceptable Management Practices (for silviculture)
ANR    Agency of Natural Resources
ARS    Agricultural Resource Specialists
B&C    Bridge and Culvert
BMP    Best Management Practices
CCPI   Cooperative Conservation Partnership Initiative
CWICNY Champlain Watershed Improvement Coalition
EPA    Environmental Protection Agency
GMC    Green Mountain College
IDDE   Illicit Discharge Detection and Elimination
LCBP   Lake Champlain Basin Program
LCC    Lake Champlain Committee
LCLGRPB Lake Champlain Lake George Regional Planning Board
LCRA   Lake Champlain Restoration Association
LFO    Large farm Operation
LID    Low Impact development
LiDAR  Light Detection and Ranging
MFO    Medium Farm Operation
NEMO   Nonpoint Education for Municipal Officials
NMP    Nutrient Management Plan
(NY) DEC New York Department of Environmental Conservation
ONRCD (VT) Otter Creek Natural Resource Conservation District
PMNRC (VT) Poultney Mettowee Natural Resource Conservation District
RRPC   Rutland Regional Planning Commission
SFO    Small Farm Operation
SVNMP  Southern Vermont Nutrient Management Program
SWCD (NY) Soil and Water Conservation District (New York)
USDA – NRCS US Department of Agriculture – Natural Resource Conservation District
VHCB   Vermont Housing and Conservation Board
VLT    Vermont Land Trust
VRC    Vermont River Conservancy
(VT) DEC Vermont Department of Environmental Conservation