



VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
 LAKES & PONDS PROGRAM

Shoreland Permit Application

for a Shoreland Protection Permit under
 Chapter 49A of Title 10, § 1441 et seq.

For Shoreland Permitting Use Only Application Number: 299
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Public Notice: At the same time this application is filed with Shoreland Permitting, a copy of this application must be provided to the municipal clerk for posting in the municipality in which the project is located.

Submission of this application constitutes notice that the person in Section A intends to create impervious surface and/or cleared area within the Protected Shoreland Area, and certifies that the project will comply with Chapter 49A of Title 10, § 1441 et seq. All information required on this form must be provided, and the requisite fees (Section G) must be submitted made payable to the State of Vermont, to be deemed complete. Refer to The Vermont Shoreland Protection Act - A Handbook for Shoreland Development and related instructions for guidance in completing this application.

A. Parcel Information

Landowner's Name: **Richard & Andrea Cate**

2a. Physical Address (911 Address): **606 4-H Road**

2b. Town - County: **Derby - Orleans** 2c. Zip: **05829**

3. SPAN (The School Parcel Account Number is required for your application to be deemed complete. It can be obtained from your property tax bill. If you cannot locate your property tax bill, please obtain this information from your Town Clerk) : **177-056-11373**

4. Phone: **802-651-9341** 5. Email: **richardcate1@yahoo.com**

6. Name of Lake/Pond: **SALEM LAKE** 7. Total Shore Frontage **100** (Feet)

8. Was the parcel of land created before July 1, 2014? Yes No

9. Are there wetlands associated with this parcel? Yes No
Contact the Wetlands Program (802) 828-1535 or <http://dec.vermont.gov/watershed/wetlands>

10. Have you ever applied for a permit with the Department of Environmental Conservation associated with this parcel?
 Yes No

11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 14,115 (square feet)
See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix C, Determining Lakeside Zone & PSA

12. What is the surface area of existing impervious surface on your parcel within the PSA: 4,624 (square feet)
See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface

13. What is the surface area of existing cleared are on your parcel within the PSA: 14,115 (square feet)
See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing

B. Applicant Contact Information

1. Name: **Richard H. Cate**

2a. Mailing Address: **27 Southwind Drive**

2b. Town: **Burlington** 2c. State: **VT** 2d. Zip: **05401**

3. Phone: **802-651-9341** 4. Email: **richardcate1@yahoo.com**

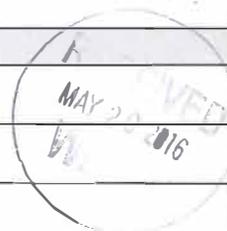
C. Application Preparer Information (If the individual preparing the application is not the landowner.)

1. Name:

2a. Mailing Address:

2b. Town: 2c. State: 2d. Zip:

3. Phone: 4. Email:



As a BMP, 356 square feet of impervious surface will be removed. The soil under the asphalt and existing impervious surfaces will be tilled, planted with grass and shrubs, mulch will be added around plantings. Updated via email 6/16/16--L.D.

existing deck is impervious will be removed (270 sq ft.), updated via email (6/16/16) by L.D.

Updated by L.D. 6/01/2016

D. Project Description	
<p>1. Describe the proposed project. For this application to be considered administratively complete you must attach site plans that denote existing and proposed cleared areas and impervious surface and their distances from mean water level, no fewer than three photos of the project area, and dimensions and associated surface areas of cleared areas and impervious surfaces.</p> <p>The existing house (impervious surface closest to the lake) on this property is 37' from the MWL and its dimensions are 27' x 48'. There is an existing pervious deck that is located 27' from the MWL. We are requesting permission to build a new 32' x 54' house on a portion of the existing house's footprint. The new house would be 45' from the mean MWL; the new 10' x 12' covered porch would be 37' from the MWL; and the new pervious deck would be 34' from the MWL. All but a small portion of the new house and porch would be located within an area made up of surfaces that are currently impervious. Only two strips of land (2' x 64' and 3' x 12'), comprising 164 sq. ft., that are currently pervious would be covered by the new structures. Meanwhile 356 sq. ft. of currently impervious surfaces would be converted to pervious grass lawn. This is a result of moving the house back away from the lake and removing a paved driveway apron and would result in 192 sq. ft. reduction in impervious surfaces on the lot. All impervious surfaces are and would continue to be on large flat area of the lot, which was cleared and developed 24 years ago. New deck will be built to meet pervious guidelines.</p>	
<p>2. For developed parcels, how far is the existing habitable structure from Mean Water Level 37 <u>27</u> (feet), and how far will new cleared area or impervious surface be from MWL <u>37</u> (feet)?</p> <p>OR</p> <p>For undeveloped parcels, how far will new cleared area or impervious surface be from MWL _____ (feet)?</p> <p>See the <u>Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix A – Estimating Mean Water Level</u></p>	
<p>3. Can all new cleared area or impervious surface be set back at least 100 feet from MWL? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If no, explain why below (attach support information as needed):</p> <p>As noted above, the existing impervious surfaces are closer than 100' to the MWL.</p>	
<p>4a. What is the slope of the project site area: <u>0</u> %</p> <p>See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix B, Determining Slope</p>	<p>4b. Is the slope of the project area less than 20%?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, skip 4c.</p>
<p>4c. If no above (4b), describe the measures taken to ensure the slope is stable, resulting in minimal erosion and impacts to water quality (attach support information as needed):</p> <p>The existing pervious surfaces have been surrounded by grass lawn and scattered trees for 24 years and they and the new structures are and would be located on a large flat area of the lot.</p>	
<p>5a. What is the surface area of new impervious surface associated with this project: <u>164.00</u> (Square Feet)</p> <p>See the <u>Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface.</u></p>	<p>5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices: 4432 <u>4,788</u> (Square Feet)</p> <p style="text-align: right; font-size: small;">For D5b, add A12 to D5a</p>
<p>5c. Is the total in 5b. 20% or less of the parcel area within the PSA? <input type="checkbox"/> Yes (if yes, skip 5d.) <input checked="" type="checkbox"/> No</p> <p>If 5a is 0, check the n/a box, otherwise divide D5b by A11 and multiply by 100 for percentage. Total percentage = 31 <u>33.9</u> % <input type="checkbox"/> N/A</p>	
<p>5d. If no above (5c), describe the best management practices used to manage, treat, and control erosion from stormwater form the portion of impervious surface that exceeds 20% (attach support information as needed):</p> <p>The existing pervious surfaces have been surrounded by grass lawn and scattered trees for 24 years, and there are no signs of erosion. A portion of the lot nearest the lake is terraced down 7' to the MWL, and it is reinforced with stones and covered with grass and plants. Here too there is no sign of erosion. Further, this project will reduce the impervious surfaces by 192 sq. ft.</p> <p>The project will remove 356 square feet of impervious surface and convert to lawn, more than double the amount of new impervious surface.</p> <p style="color: red; font-size: small;">The new lawn area will be tilled to reduce compaction and shrubs will be added. Shrubs surrounded by mulch. (updated via email 6/16/16)--L.D.</p>	

6a. What is the surface area of new cleared area associated with this project: <u>0</u> (Square Feet) <small>See the Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing.</small>	6b. What is the total resulting cleared area after completion of the project and prior to implementation of best management practices: <u>0</u> (Square Feet) <small>For D6b, add A13 to D6a</small>
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6c. Is the total in 6b. 40% or less of the parcel area within the PSA? Yes (if yes, skip 6d.) No
If 6a is 0, check the n/a box, otherwise divide D6b by A11 and multiply by 100 for percentage. Total percentage = _____ % N/A

6d. If no above (6c), establishing vegetative cover (revegetation) is the only applicable best management practice. Please describe a revegetation plan that will be equal to or great in surface area than the proposed new cleared area as identified in 6a. Identify the location of the parcel where the revegetation will occur and how far from mean water level it will be (attach support information as needed).

The existing grass lawn that covers all areas around the impervious surfaces, as well as the scattered trees, have been in place for 24 years and there are no signs of erosion. The new project will not change this situation and there will be an additional 192 sq. ft. of grass lawn after the project is complete. This project does not propose to clear any additional areas.

E. Landowner Certification

As APPLICANT, I hereby certify that the statements presented on this application are true and accurate and recognize that by signing this application, I agree to complete all aspects of the project as authorized. I understand that failure to comply with the foregoing may result in violation of the Shoreland Protection Act, 10 V.S.A. Chapter 49A, and the Vermont Agency of Natural Resources may bring an enforcement action for violations of the Act pursuant to 10 V.S.A. chapter 201.

Applicant/Landowner Signature:  **Date:** 5/16/2016

F. Application Preparer Certification (if applicable)

As APPLICATION PREPARER, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Application Preparer Signature: _____ **Date:** _____

G. Additional Required Documentation (Please check to ensure you have completed the following)

- All sections of the application are complete (or otherwise indicate "not applicable")
- Application includes site plans denoting existing and proposed cleared area and impervious surface and distances from mean water level
- Application description includes dimensions and surface areas of cleared areas and impervious surfaces Application includes photos of project area

H. Permit Application Fees

Administrative Fee: \$125.00		125.00
Impervious Area Fee: \$0.50 per square ft.	Enter new impervious area as entered in item (5a) <u>164.00</u> x 0.5	82.00
Total Fee due:		207.00

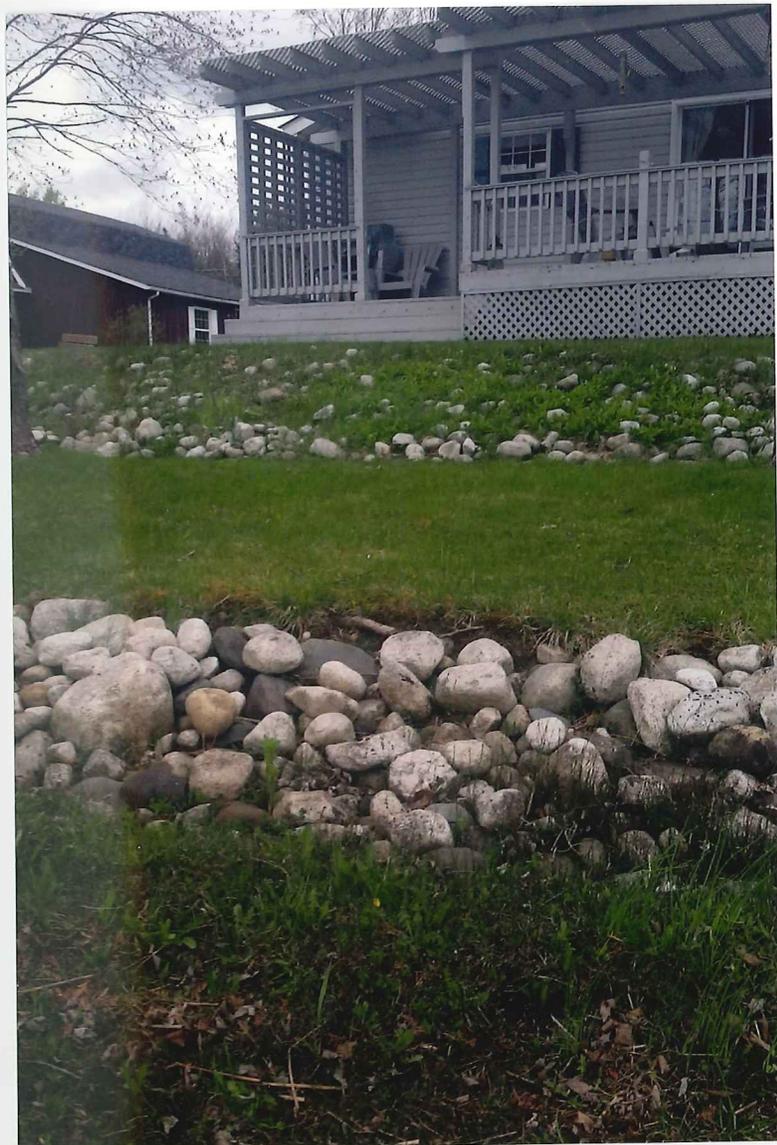
Submit this form and application fee, payable to:
 State of Vermont -Vermont Department of Environmental Conservation
 Watershed Management Division -Shoreland Permitting
 1 National Life Drive, Main 2
 Montpelier, VT 05620-3522

Direct all correspondence or questions to Shoreland Permitting at:
ANR.WSMDShoreland@vermont.gov

For additional information visit:
<http://dec.vermont.gov/watershed/lakes-ponds>







← M.W.L.

BK. 49 PG. 151

BK. 49 PG. 278

EXISTING PAVEMENT

