

**Reclassification Information and Petition Form
(per 10 V.S.A. § 1253)
Classification of waters designated, reclassification**



Reclassification Petition for Echo Lake, Charleston, Vermont



Petition Form Submittal Instructions	
<ul style="list-style-type: none"> • If submitting via US post: <p style="text-align: center;">Mail to: Lakes and Ponds Program Watershed Management Division One National Life Drive, Davis 3 Montpelier, VT 05620</p> <ul style="list-style-type: none"> ○ Please submit a CD or flash drive for petitions that contain large files (1 MB or greater) • Petitions can also be submitted via email to the following address: oliver.pierson@vermont.gov with the Subject Line of "Reclassification Petition" or "Reclassification Application" 	
1. Petitioner Name - Individual or organization	Echo Lake Protective Association
2. Address	Street/P.O. Box
	P.O. Box 41

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	Town E. Charleston	State VT	Zip Code 05833
3. Phone	3173723761		
4. Email of contact person	Holly B. Bull		
5. Petition Preparer Name	Holly B. Bull		
6. Co-Sponsors	Town of Charleston, Vermont		

7. Waterbody Name(s)		Echo Lake	
8. Portion of waterbody for petition	Location (add stream reach id if applicable)	Waterbody Coordinates (DD)	Elevation (ft.)
	From	Latitude: 44.8611	1300
	To	Longitude-71.9928	
9. Petition Type (<i>Check one</i>)	<input type="checkbox"/> Reclassification (stream / river)	<input checked="" type="checkbox"/> Reclassification (lake or pond)	

Reclassification Only (#x)			
10. Water body Use proposed to be reclassified, current, and proposed classification. See Vermont Water Quality Standards §29A-306 for description of each use	Use:	Proposed:	Current Use:
	<input type="checkbox"/> Aquatic Biota	A(1) <input type="checkbox"/> A(2) <input type="checkbox"/> B(2) <input type="checkbox"/>	B(2)
	<input type="checkbox"/> Aquatic Habitat	A(1) <input type="checkbox"/> A(2) <input type="checkbox"/> B(2) <input type="checkbox"/>	B(2)
	<input checked="" type="checkbox"/> Aesthetics	A(1) <input checked="" type="checkbox"/> A(2) <input type="checkbox"/> B(2) <input type="checkbox"/>	B(2) See Attachment #4
	<input checked="" type="checkbox"/> Fishing	A(1) <input checked="" type="checkbox"/> A(2) <input type="checkbox"/> B(2) <input type="checkbox"/>	Per VT Fish & Wildlife: Current fish community: lake trout, brook trout, brown trout, rainbow trout, white sucker, rainbow smelt, yellow perch, <u>smallmouth bass (introduced)</u> , burbot, bluntnose minnow, mimic shiner, pumpkinseed, tessellated darter

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			Surface elevation controlled by dam. We also stock rainbow trout
	<input type="checkbox"/> Swimming	A(1) <input type="checkbox"/> A(2) <input type="checkbox"/> B(2) <input type="checkbox"/>	B(2)
	<input type="checkbox"/> Boating	A(1) <input type="checkbox"/> A(2) <input type="checkbox"/> B(2) <input type="checkbox"/>	B(2)
	<input type="checkbox"/> Public Water Source	A(1) <input type="checkbox"/> A(2) <input type="checkbox"/> B(1) <input type="checkbox"/> B(2) <input type="checkbox"/>	
Other	<input type="checkbox"/> Riparian Habitat <input type="checkbox"/> Rare Species <input type="checkbox"/> Significant Natural Communities <input type="checkbox"/> Upland Uncommon Natural Community <input type="checkbox"/> Highest Priority Riparian Connectivity <input type="checkbox"/> Exemplary Surface Waters <input type="checkbox"/> Highest Priority Habitat Block, Connectivity Block, and Interior Forest Block	A(1) <input type="checkbox"/> A(2) <input type="checkbox"/> B(1) <input type="checkbox"/> B(2) <input type="checkbox"/>	

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Reclassification Criteria	
Reclassification Criteria 11. List specific criteria per the Vermont Water Quality Standards (2017), Environmental Protection Rule Chapter 29A	Aquatic Biota: Biological criteria (<i>see Appendix G. biocriteria for fish and macroinvertebrate communities in Vermont wadeable streams and rivers - Vermont Water Quality Standards, 2017</i>) <input type="checkbox"/> Numeric water quality criteria (e.g., appended data records) <input type="checkbox"/> Documentation of Rare, Threatened or Endangered species <input type="checkbox"/> Documentation of Rare and Irreplaceable Natural Area or significant natural community <input type="checkbox"/> Documentation of numeric water quality chemistry (e.g., nutrient levels, turbidity, dissolved oxygen levels, alkalinity, pH) <input type="checkbox"/> Documented absence of toxic or radioactive substances <input type="checkbox"/> Undeveloped riparian zones <input type="checkbox"/> Limited human activity within the watershed
	Aquatic Habitat: <input type="checkbox"/> Natural Flow Regime (<i>Documented attainment of hydrology and stream protection criteria - § 29A-304 of the Vermont Water Quality Standards, 2017</i>) <input type="checkbox"/> Temperature (data appended) <input type="checkbox"/> Documentation of Rare, Threatened or Endangered species <input type="checkbox"/> Documentation of Rare and Irreplaceable Natural Area or significant natural community <input type="checkbox"/> Undeveloped riparian zones <input type="checkbox"/> Limited human activity within the watershed <input type="checkbox"/> Other Aquatic Habitat Assessments (Describe or append assessment used)
	Aesthetics: <input checked="" type="checkbox"/> Documented aesthetic qualities and characteristics <input checked="" type="checkbox"/> Documented water characteristics, flows, water level, bed and channel characteristics, and flowing and falling waters in their natural condition. <input type="checkbox"/> Documented maintenance of level of water quality that provides for the attainment and maintenance of the water quality standards of downstream waters (for lakes only).
	Recreational Fishing: <input type="checkbox"/> Documented temperature in attainment with Cold Water Fish Habitat criteria (<i>for use in Wild Salmonid Stream re-classification petitions</i>) <input type="checkbox"/> Documented temperature in attainment with Cold Water Fish Habitat criteria (<i>temperature criteria in § 29A-302(B) of the Vermont Water Quality Standard</i>) <input checked="" type="checkbox"/> Measures of wild salmonid densities, biomass, and age composition consistent with those expected in waters in their natural condition. <input type="checkbox"/> Documented high incidence of accessibility to water <input type="checkbox"/> Documented high use by anglers (i.e., fishing identified as existing use) <input type="checkbox"/> Limited human activity within the watershed <input type="checkbox"/> Upstream/ downstream use attainment

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	<p>Recreational Boating:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Boating to the full extent naturally feasible without degradation due to artificial flow and water level management or artificial physical impediments <input type="checkbox"/> Boating to the extent feasible with no more than minor degradation due to artificial flow and water level management or artificial impediments, and with appropriate mitigation for artificial physical impediments <input type="checkbox"/> Prospective waters shall comply with the Hydrology Criteria in § 29A-304 of the Vermont water Quality Standards with respect to any flow alterations <input type="checkbox"/> Areas where existing boating use has been determined to be present and where, over some appreciable distance, certain features, free flowing water and/or notable whitewater or flat-water boating opportunities are found.
	<p>Recreational Swimming:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Prospective waters achieve and maintain a level of water quality compatible with very good or excellent quality swimming and other primary contact recreation with negligible risk of illness or injury from conditions that are a result of human activities. <input type="checkbox"/> Areas where existing swimming use has been determined to be present that have consistent <i>E. coli</i> values below <i>E. coli</i> criterion and which, over some appreciable distance, also possess certain high-quality features. <input type="checkbox"/> Well-known locally or regionally as a swimming area; <input type="checkbox"/> Documented pool(s) for swimming and/or water features that are enjoyable for swimming or bathing including chutes, cascades, waterfalls, cliffs, jumping rocks;
	<p>Public Water Source:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Existing A(2) was never developed and/ or was developed but then abandoned <input type="checkbox"/> or, prospective waters are currently managed, as necessary, for consistency with use as a public water source. Where sustained direct contact with the water occurs, waters shall be managed to achieve and maintain a negligible risk of illness or injury from conditions that are a result of human activities, <input type="checkbox"/> or, prospective could be managed to achieve and maintain a uniformly excellent character and a level of water quality highly suitable for use as a public water source with filtration and disinfection or other required treatment.

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<p>12. Purpose and need for reclassification – i.e., why is the change in classification now warranted? (<i>summary</i>)</p>	<p>Purpose: Reclassifying Echo Lake would better reflect its actual water quality status. It would ensure that this pristine surface water is protected and preserved. Echo Lake has an active lake association which has implemented many programs and practices that would support this reclassification (e.g., Lake Wise, Access Greeter Program, VIP Surveyors, LaRosa Water Testing, and the Lay Monitoring Program).</p> <p>Need: Echo Lake has significantly increasing summer total phosphorus concentrations that must be addressed immediately. Therefore, reclassification would ensure that Echo Lake and its watershed receive the needed attention and funds, thus preserving this pristine natural resource. With an active association that implements numerous programs to protect this lake, reclassification would be an added layer of protection from further degradation.</p>
<p>13. Town(s) adjacent to proposed waterbody (append letters of support from municipality and/or Regional Planning Commission and/or Natural Resource Conservation District and/or watershed organization)</p>	<p>Town of Charleston Town of Morgan Town of Holland Town of Charleston Select Board Town of Charleston Planning Board Memphremagog Watershed Association</p>

<p>14. Potentially interested parties (abutting landowners, municipal and civic organizations, business interests, etc.) Provide names, address and phone numbers for each party.</p>	<p>Additional information should be attached and listed in box 14. NorthWoods Stewardship Center (Maria Young, 154 Leadership Dr., Island Pond, Vt 05855 – 802-723-6551) The Federation of Vermont Lakes and Ponds Maidstone Lake Association, Maidstone, Vermont Salem Lakes Preservation Association Don't Undermine Memphremagog's Purity, LLC (See Attachment File #8)</p>
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<p>15. Supporting Documentation (maps can be created using the ANR Atlas) <i>*required</i></p>	<p>Required</p> <ul style="list-style-type: none"> • Map with location information and delineated area for petition with known public and private conserved land within the watershed • Water quality monitoring data • Map of Rivers and streams • Map of lakes and Ponds
	<p>Recommended</p> <p>One-page document describing:</p> <ul style="list-style-type: none"> • Existing zoning or protection at town level that may preclude or support designation • Additional map(s) that include: <ul style="list-style-type: none"> • Watershed boundary current land use and waterbody encroachments, including roads and structures • Water quality and quantity impacts, including wastewater and stormwater, physical alterations, and (if available) stream geomorphic condition • Land parcels conserved <p>Photos of petition area</p> <p>Letter(s) of support</p>
<p>16. List of supporting materials attached</p>	<p>List attachment by number with names and dates: (ex. 1. Map of Waterbody to be Reclassified 4/5/2017; 2. Photographs of Waterbody for Reclassification 4/5/2017; 3. One Page Supporting Document 4/10/2017)</p> <ol style="list-style-type: none"> 1. Watershed Map 9/15/2021 2. Conserved Land Map 9/15/2021 3. Rivers and Roads Map 9/15/2021 4. Water Quality Data Document 9/13/2021 5. One-page Supporting Document 9/15/2021 6. Echo Lake Photos File 9/15/2021 7. Letters of Support File 9/13/2021

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Lead Sponsor Information		
Lead Sponsor Name: Echo Lake Protective Association		
Address: P.O. Box 41		City/Town: E. Charleston
State: VT	Zip:05833	Phone: 317-372-3761
Email Address: HBull@echolakeassociation.net		
Lead Sponsor Signature: Holly B. Bull		Date: Sept. 18, 2021

Co-Sponsor Signatures	
Name: Town of Charleston, Vermont	
Organization: Charleston Selectboard Members	
Co-Sponsor Signature: Peter Moskovites, Chair	Date: Sept. 18, 2021
Name:	
Organization:	
Co-Sponsor Signature:	Date:
Name:	
Organization:	
Co-Sponsor Signature:	Date:
Name:	
Organization:	
Co-Sponsor Signature:	Date:

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DEC use			
Coordinates from / to of affected area	From (lat/long)		To (lat/long)
Elevation	At mouth:		At source- end of blue line:
Total drainage area km ² at mouth or area of standing water in acres	Drainage area of proposed water (km ²)		
Land use	% Natural	% Developed	% Agricultural
Available data to support specific use proposed reclassification			
Bio site ID (RM as xx), WBID	Bio Site ID		WBID
Map of waterbody, watershed and conserved lands in drainage	Include attached map title below		
Recommended Classification			