



## **Vermont Dam Screening Tool**

### *for the Lake Champlain Basin*

The Vermont Dam Screening Tool provides an assessment of the relative ecological impact of dams to fish passage in the Vermont portion of the Lake Champlain basin. It is designed to assist watershed managers and aquatic biologists in their efforts to strategically reconnect fragmented aquatic habitats. All known dams in the basin were grouped into one of five tiers, based on 17 metrics related to aquatic connectivity, watershed condition, aquatic ecology, and stream size. The data presented in this map are not intended to be prescriptive. Field work and direct knowledge of the landscape are essential to making good management decisions. The accuracy of information included in this assessment is necessarily imperfect. Some dams included in this map may have been previously removed, and breaches may mean some dams are no longer barriers. Information about natural barriers to aquatic connectivity may be incomplete. This work was completed by The Nature Conservancy with funding from the Lintilhac Foundation, the U.S. Fish and Wildlife Service, and the Vermont Natural Resources Council. We are grateful for help provided by our knowledgeable advisory committee, which includes representatives from the following organizations: Vermont Natural Resources Council, Lintilhac Foundation, Vermont Department of Environmental Conservation, Vermont Department of Fish and Wildlife, and US Fish and Wildlife Service.

The following table provides some information from the Vermont Dam Screen. Dams are sorted into five tiers, from very high to very low ecological impact, based on the overall Dam Screen score, which is based on 17 metrics. Within each group, dams are sorted by Town Name and then Dam Name. One key metric is also included in the table, "Stream Kilometers Reconnected." This represents the combined length of connected streams, either above or below a dam, that would be added to an existing stream network should that dam be removed. Small values for this metric occur where another dam or natural barrier exists nearby, or the dam is near the headwaters or river mouth.

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Tier	Town	Dam Name	Stream Kilometers Reconnected
Very High	Charlotte	Scott Pond	90.0
Very High	Milton	Peterson	21.7
Very High	Swanton	Swanton	66.8
High	Addison	Brilyea East	74.6
High	Bakersfield	Johnsons Mill	35.7
High	Benson	Parsons Mill	57.3
High	Bristol	Lake Winona	22.0
High	Cabot	Marshfield No. 6	17.3
High	Calais	Sabin Pond	20.6
High	Cambridge	Smugglers Notch Village	9.8
High	Castleton	Pelletier	59.2
High	Chittenden	Chittenden Reservoir	40.3
High	Chittenden	Lefferts Pond West	26.5
High	Colchester	Colchester Pond	7.0
High	Colchester	Mill Pond	50.0
High	Dorset	Emerald Lake	20.1
High	Duxbury	Duxbury Mill	25.7
High	Duxbury	Ice Pond	8.1
High	East Montpelier	North Montpelier Pond	121.0
High	Eden	South Pond	16.2
High	Elmore	Lake Elmore	45.1
High	Fair Haven	Old Marsh Pond	7.7
High	Fairfield	Fairfield Pond	37.4
High	Georgia	Stone Bridge Pond	36.7
High	Goshen	Kingsland	25.2
High	Goshen	Sugar Hill Reservoir	19.4
High	Highgate	East Highgate	32.7
High	Hyde Park	Green River Reservoir	3.8
High	Hyde Park	Hyde Park	79.0
High	Hyde Park	North Hyde Park	79.0
High	Marshfield	Laird Pond	10.0
High	Middlebury	Dow Pond	9.2
High	Milton	Milton Pond	1.0
High	Moretown	USGS Gage No. 2880	14.6
High	Northfield	Camp Wihakowi	54.9
High	Panton	Stone Bridge	74.6
High	Pittsford	Smith Pond	16.7
High	Plainfield	Old Batchelder Mill	110.3
High	Rutland City	Patch Pond	25.3
High	Rutland Town	Glen	25.3
High	Salisbury	Sucker Brook	23.5

Tier	Town	Dam Name	Stream Kilometers Reconnected
High	Shoreham	Richville Pond	157.5
High	Stannard	Anderson	7.5
High	Stowe	Lake Mansfield	4.3
High	Swanton	Fairfield Swamp Pond	61.2
High	Troy	North Troy	15.8
High	Wallingford	Chase	6.8
High	Warren	Sugarbush Snowmaking Pond Diversion Stru	89.1
High	Warren	Warren Village	89.1
High	Waterbury	Waterbury	128.8
High	Waterville	Laraway	66.0
High	West Haven	Coggman Pond	3.4
High	West Rutland	Youngs Brook	6.6
High	Worcester	Chandler Sawmill	20.4
High	Worcester	Ladds Mill	20.4
High	Worcester	Worcester-6	20.4
Medium	Addison	Brilyea West	74.6
Medium	Addison	Jerome	3.6
Medium	Addison	Tetreault	11.4
Medium	Alburgh	Mud Creek	1.5
Medium	Bakersfield	Browns Pond	30.9
Medium	Barre City	Brooklyn Street	26.7
Medium	Barre City	Jones Brothers	26.7
Medium	Barre Town	Barre-3	4.7
Medium	Barre Town	Bolster Reservoir	6.8
Medium	Barre Town	Giacherio	18.7
Medium	Benson	Sunrise Lake	1.8
Medium	Benson	Sunset Lake	1.8
Medium	Berkshire	Trout Brook Reservoir	7.8
Medium	Berlin	Berlin Pond	10.6
Medium	Berlin	Newbrough Upper	1.1
Medium	Berlin	Riverton	21.6
Medium	Brandon	Adams Brook	3.1
Medium	Brandon	Jones Mill	17.4
Medium	Bristol	Rivers Brook	5.3
Medium	Brookfield	Baker Pond	3.9
Medium	Burlington	Burlington Electric WMA	0.5
Medium	Burlington	Howe Farm WMA	0.6
Medium	Burlington	Winooski One	0.3
Medium	Cabot	West Hill Pond	8.3
Medium	Calais	Elmslie	3.4

Tier	Town	Dam Name	Stream Kilometers Reconnected
Medium	Cambridge	Bryan	12.7
Medium	Cambridge	Morses Mill	15.8
Medium	Cambridge	Rood	2.5
Medium	Castleton	Brown	2.2
Medium	Castleton	Castleton State College	11.6
Medium	Castleton	Glen Lake	9.8
Medium	Castleton	Lake Bomoseen	90.3
Medium	Castleton	Loves Marsh	8.5
Medium	Castleton	Pine Pond	5.3
Medium	Castleton	Said	7.6
Medium	Charlotte	Charlotte-1	6.1
Medium	Cornwall	Norinberg	3.5
Medium	Cornwall	Perry-Jackson	13.3
Medium	East Montpelier	East Montpelier	57.0
Medium	East Montpelier	Montpelier No. 5	4.7
Medium	East Montpelier	Pazini	3.6
Medium	Eden	Lake Eden	20.1
Medium	Essex	Indian Brook Reservoir	5.8
Medium	Fair Haven	Howard Pond	1.8
Medium	Fair Haven	Inman Pond	1.5
Medium	Fair Haven	Sheldon Pond	1.0
Medium	Fairfax	St. Albans North Reservoir	1.5
Medium	Ferrisburgh	Bergh	5.1
Medium	Ferrisburgh	Callery	17.4
Medium	Ferrisburgh	Danyow	2.9
Medium	Ferrisburgh	Harris	8.5
Medium	Ferrisburgh	Jackman	1.2
Medium	Ferrisburgh	Robinsons Slang	9.3
Medium	Ferrisburgh	Turner	109.6
Medium	Franklin	Bullis Pond	22.5
Medium	Franklin	Lake Carmi	48.1
Medium	Greensboro	Caspian Lake	24.3
Medium	Greensboro	McGrath	1.9
Medium	Hardwick	Hardwick Lake	52.9
Medium	Hardwick	Hardwick-4	3.6
Medium	Hinesburg	Lake Iroquois	5.4
Medium	Hinesburg	Twitchell	2.8
Medium	Hubbardton	Austin Pond	17.7
Medium	Hubbardton	Lake Hortonia	16.5
Medium	Hubbardton	Luther	2.6
Medium	Hubbardton	Mudd Pond	1.9

Tier	Town	Dam Name	Stream Kilometers Reconnected
Medium	Hubbardton	Walker Pond	1.9
Medium	Hyde Park	Beaver Lake	3.6
Medium	Jay	Jay Peak Snowmaking Diversion Structure	6.7
Medium	Jericho	Cilley Hill	1.9
Medium	Jericho	Jericho-1	1.9
Medium	Leicester	Silver Lake	0.6
Medium	Marshfield	Farrington	19.4
Medium	Marshfield	Marshfield Pond	0.8
Medium	Mendon	Ballantyne	2.6
Medium	Middlebury	Wood	1.6
Medium	Middlesex	Middlesex-3	3.2
Medium	Middletown Springs	Buxton's Pond	19.5
Medium	Middletown Springs	Fenton	2.8
Medium	Milton	Long Pond	1.7
Medium	Monkton	Vermont Kaolin Corporation	3.3
Medium	Montpelier	Bailey	9.3
Medium	Montpelier	Lane	1.0
Medium	Montpelier	Montpelier No. 3	9.3
Medium	Montpelier	North Branch	5.4
Medium	Moretown	Cox Brook	5.7
Medium	Moretown	Eight Trout Club	3.6
Medium	Moretown	Moretown No. 8	14.6
Medium	Morristown	Boardman Mill	16.3
Medium	Morristown	Bryan	3.0
Medium	Morristown	Kimibakw	2.8
Medium	Morristown	Ransom	0.8
Medium	Morristown	Schwartz	1.9
Medium	Mount Holly	Star Lake	3.8
Medium	Newport Town	Sleeper Pond	31.5
Medium	Northfield	Cooks Mill	37.5
Medium	Northfield	Cross Bros.	5.0
Medium	Northfield	Dry Pond	12.1
Medium	Northfield	Northfield Mills	5.0
Medium	Northfield	Towne	1.1
Medium	Northfield	Vatters Pond	7.5
Medium	Orwell	East Creek Site No. 1	6.3
Medium	Orwell	East Creek Site No. 2	6.3
Medium	Orwell	East Creek Site No. 5	19.7
Medium	Richford	Guilmettes Pond	1.6
Medium	Richmond	Gillette Pond	4.1

Tier	Town	Dam Name	Stream Kilometers Reconnected
Medium	Ripton	Bread Loaf	3.1
Medium	Roxbury	Beaver Pond	0.8
Medium	Roxbury	Roxbury-2	9.4
Medium	Rutland City	Dunklee Pond	12.6
Medium	Rutland City	Lower Eddy Pond	5.9
Medium	Rutland City	Ripley Mills	5.8
Medium	Rutland Town	Center Rutland	5.8
Medium	Rutland Town	Upper Eddy Pond	5.2
Medium	Salisbury	Lake Dunmore	2.0
Medium	Salisbury	Salisbury	2.0
Medium	Starksboro	Baldwin Pond	2.7
Medium	Starksboro	Clifford	0.4
Medium	Starksboro	Pechie	1.3
Medium	Stowe	Beaver Pond	0.4
Medium	Stowe	Goldberg	3.1
Medium	Stowe	Mount Mansfield Corp. Diversion Structur	13.3
Medium	Stowe	Pike	64.7
Medium	Sudbury	Burr Pond	6.7
Medium	Sudbury	Hinkum Pond	2.6
Medium	Sudbury	Huff Pond	2.5
Medium	Tinmouth	Chipman Lake	3.7
Medium	Wallingford	Quinn Upper	0.2
Medium	Warren	Warren Lake	4.0
Medium	Washington	Hands Mill	23.6
Medium	Waterbury	Feed Company (Upper)	14.9
Medium	Wells	Little Pond	4.5
Medium	Wells	Mill Brook	4.5
Medium	Wells	Northeast Developers	1.4
Medium	Weybridge	Weybridge	9.5
Medium	Wolcott	Wapanacki Lake	2.0
Medium	Wolcott	Wolcott Pond	3.4
Medium	Woodbury	East Long Pond	1.5
Medium	Woodbury	Woodbury-11	6.4
Medium	Woodbury	Woodbury-14	16.2
Medium	Worcester	Worcester Pond	2.5
Low	Addison	Farrel	2.2
Low	Addison	Farrell North	0.8
Low	Addison	Harte	2.4
Low	Addison	Martin	1.3
Low	Addison	McCuens Slang	0.3

Tier	Town	Dam Name	Stream Kilometers Reconnected
Low	Addison	Norton	0.8
Low	Addison	Norton Shallow Dike	0.3
Low	Addison	Warner Site 3	0.1
Low	Addison	Woodcock Site 1	0.5
Low	Addison	Woodcock Site 2	12.4
Low	Addison	Woodcock Site 4	1.1
Low	Barre City	Habbep	1.0
Low	Barre Town	Barre-8	2.3
Low	Barre Town	East Barre	0.9
Low	Barre Town	Jockey Hollow	1.0
Low	Barre Town	Sargents Mill	0.9
Low	Benson	Munger	0.4
Low	Benson	Perch Pond	0.5
Low	Berlin	Berlin-1	0.9
Low	Brandon	Brandon (Lower)	0.1
Low	Brandon	Brandon (Upper)	0.1
Low	Brandon	Goodnew	1.2
Low	Bristol	Norton Brook	0.2
Low	Brookfield	Wardner Pond	12.8
Low	Cabot	Clarks Saw Mill	0.6
Low	Cabot	Milne	0.2
Low	Calais	Adamant Pond	2.7
Low	Calais	Curtis Pond	0.2
Low	Calais	East Calais Mill	0.2
Low	Calais	Hatch's Mill	2.7
Low	Calais	Nelson Pond	3.1
Low	Calais	Rogers	1.0
Low	Calais	Scribner	1.6
Low	Cambridge	Grist Mill Hill	0.4
Low	Cambridge	Smugglers Notch Snow Pond Diversion Stru	1.2
Low	Castleton	Castleton-7	1.1
Low	Castleton	Chizmar	0.7
Low	Cornwall	Cornwall-1	4.5
Low	Cornwall	Kirk	2.3
Low	Dorset	Prentiss Pond	0.9
Low	Duxbury	Bolton Falls No. 1	0.0
Low	East Montpelier	Bennett Brook	4.2
Low	East Montpelier	Crystal Pool	3.9
Low	East Montpelier	Sodom Pond	3.9
Low	Eden	Corez Pond	0.8

Tier	Town	Dam Name	Stream Kilometers Reconnected
Low	Enosburgh	Enosburg Falls	0.0
Low	Essex	Essex No. 19	0.2
Low	Essex	Essex Town Reservoir	2.6
Low	Essex	Saxon Hill Reservoir (South)	0.3
Low	Fair Haven	Shirt Factory	0.1
Low	Fair Haven	Water Street	0.3
Low	Fairfax	Fairfax Falls	0.0
Low	Fairfax	St. Albans South Reservoir	1.5
Low	Fairfield	Webster (Lower)	0.9
Low	Fairfield	Webster (Upper)	0.9
Low	Ferrisburgh	Goose Creek	0.6
Low	Fletcher	Ferguson	0.2
Low	Fletcher	Stone's Brook	0.8
Low	Georgia	Silver Lake	0.7
Low	Goshen	Stewart	1.1
Low	Greensboro	Greensboro-2	0.5
Low	Hancock	Pleiad Lake	0.2
Low	Hardwick	Mackville Pond	3.6
Low	Hardwick	Winter	0.6
Low	Highgate	Highgate Falls	0.0
Low	Hinesburg	Cemetery Pond	1.5
Low	Hinesburg	Champlain Valley Union High School	1.8
Low	Hubbardton	Abatiell	0.6
Low	Hubbardton	Blair	0.2
Low	Hyde Park	Garfield	0.0
Low	Hyde Park	Hill	0.3
Low	Killington	Pico Lower Snowmaking Pond	0.2
Low	Killington	Pico Upper Snowmaking Pond	0.1
Low	Lincoln	Goeselt	1.4
Low	Lincoln	Lincoln-2	0.1
Low	Lowell	Vermont Asbestos Co.	0.8
Low	Marshfield	Bailey Pond	0.8
Low	Marshfield	Marshfield-6	0.2
Low	Marshfield	Marshfield-9	0.5
Low	Marshfield	Richards	5.8
Low	Mendon	Mendon-4	0.6
Low	Middlebury	Buttolph	0.1
Low	Middlebury	Middlebury Lower	3.7
Low	Middlebury	Middlebury Reservoir	0.1
Low	Middlebury	Middlebury Upper	0.0
Low	Middlebury	Pominville	4.2



Tier	Town	Dam Name	Stream Kilometers Reconnected
Low	Middlesex	Middlesex No. 2	0.0
Low	Middlesex	Wrightsville	0.3
Low	Middletown Springs	Coy Brook	3.4
Low	Milton	Clarks Falls	0.0
Low	Montpelier	Langdon Pond	1.3
Low	Montpelier	Trestle	1.0
Low	Morristown	Cadys Falls	0.0
Low	Morristown	Morrisville	0.1
Low	Morristown	Wards Pond	16.3
Low	New Haven	Huntington Falls	0.0
Low	Northfield	Boutwell	0.2
Low	Northfield	Northfield-12	0.4
Low	Northfield	Randall Wood Products	0.0
Low	Orange	Bennetts Mill	0.0
Low	Orange	Lower Orange Reservoir	0.4
Low	Orange	Orange-12	0.3
Low	Orange	Thurman W. Dix Reservoir	0.1
Low	Orange	Upper Orange Reservoir	0.4
Low	Orwell	Maharay	1.8
Low	Orwell	Orwell-4	1.9
Low	Pawlet	Pawlet	0.0
Low	Peacham	Bruces Mill	0.5
Low	Peacham	Peacham Pond	0.5
Low	Pittsford	Sargent Pond	0.1
Low	Proctor	Proctor	0.1
Low	Proctor	Reynolds Reservoir	0.1
Low	Rutland City	Combination Pond	0.9
Low	Rutland Town	Rutland-1	1.8
Low	Shelburne	Bostwick Pond	0.1
Low	Shelburne	Myer-Madison	0.6
Low	Sheldon	Sheldon Springs	0.0
Low	Shoreham	Pomainville	1.9
Low	South Burlington	Gorge No. 18	0.0
Low	Stowe	Bloch	1.4
Low	Stowe	Culver Mill	0.4
Low	Stowe	Heath	1.1
Low	Stowe	McAllister Pond	5.2
Low	Stowe	Moscow Mills	0.0
Low	Stowe	Stowe-11	1.9
Low	Troy	Bakers Falls	0.2
Low	Vergennes	Vergennes No. 9	0.0

Tier	Town	Dam Name	Stream Kilometers Reconnected
Low	Waitsfield	Sugarbush Snowmaking Pond	0.4
Low	Wallingford	Quinn Lower	0.2
Low	Waterbury	Colbyville Upper	0.1
Low	Waterbury	Ice Pond	0.7
Low	Waterbury	Waterbury-7	0.3
Low	Wells	Melcher	1.2
Low	Wells	Schiff	0.5
Low	Wells	Schmidt	0.5
Low	Wells	Wells-6	0.4
Low	West Haven	Carver Falls	0.1
Low	Westfield	Coburn Brook Reservoir	0.4
Low	Williamstown	Horwitz Pond	3.1
Low	Williamstown	Limehurst Pond	4.2
Low	Williamstown	Martin Brook	9.6
Low	Williamstown	Martin Reservoir	2.6
Low	Williamstown	McCarthy	0.3
Low	Williamstown	Sorimaini	0.7
Low	Williamstown	Whitcomb	1.7
Low	Williamstown	Williamstown-9	1.0
Low	Wolcott	Wolcott	0.0
Low	Wolcott	Wolcott-1	3.4
Low	Woodbury	Benjamin	0.8
Low	Woodbury	Daniels Mill	0.5
Low	Woodbury	King Pond (Lower)	0.4
Low	Woodbury	Lords	1.5
Low	Woodbury	Shadow Pond	0.5
Low	Woodbury	South Woodbury Pond	8.8
Low	Woodbury	Travelstead	0.1
Low	Woodbury	Valley Lake	2.1
Low	Woodbury	Woodbury Upper	0.2
Low	Woodbury	Woodbury-12	5.0
Low	Worcester	Worcester Brook	2.5
Very Low	Addison	Woodcock Site 3	1.1
Very Low	Berlin	Berlin-2	0.1
Very Low	Berlin	Montpelier No. 4	0.0
Very Low	Berlin	Montpelier Reservoir (Lower)	0.4
Very Low	Berlin	Montpelier Reservoir (Upper)	0.1
Very Low	Bristol	Coffin	0.2
Very Low	Cabot	Cabot-6	0.6
Very Low	Calais	Calais-7	0.1
Very Low	Calais	Maple Corners	0.2

Tier	Town	Dam Name	Stream Kilometers Reconnected
Very Low	Calais	Mirror Lake	1.0
Very Low	Calais	North Calais Mill	0.1
Very Low	Calais	Robinsons Sawmill	1.3
Very Low	Charlotte	Lavellette	1.2
Very Low	East Montpelier	Chapels Pond	0.7
Very Low	East Montpelier	Nelson Pond	0.7
Very Low	Essex	Essex School Reservoir	0.2
Very Low	Essex	Saxon Hill Reservoir (North)	0.1
Very Low	Fair Haven	Slate Factory	0.1
Very Low	Hinesburg	Iroquois Mfg. Co. Mill Pond (Lower)	0.1
Very Low	Hinesburg	Iroquois Mfg. Co. Mill Pond (Upper)	0.1
Very Low	Hinesburg	Lower Pond	0.2
Very Low	Hyde Park	Lamoille Union High School	1.3
Very Low	Lincoln	Senk	0.1
Very Low	Marshfield	Marshfield-7	0.2
Very Low	Middlebury	Middlebury Industrial Park	1.8
Very Low	Milton	Milton	0.1
Very Low	New Haven	Beldens	0.1
Very Low	Orange	Orange-11	0.1
Very Low	Pittsford	East Pittsford	0.4
Very Low	Rutland City	Piedmont Pond	0.9
Very Low	Rutland Town	Rutland-2	0.1
Very Low	Rutland Town	Rutland-7	0.4
Very Low	South Burlington	UVM (East)	0.4
Very Low	South Burlington	UVM (Lower)	0.4
Very Low	South Burlington	UVM (Upper)	0.2
Very Low	Stowe	Barrows Brook	0.1
Very Low	Warren	Shashoua	0.1
Very Low	Waterbury	Colbyville Lower	0.1
Very Low	Williamstown	Rouleau	1.7
Very Low	Williamstown	Williamstown-10	0.1
Very Low	Woodbury	Mamet Pond	0.2
Very Low	Woodbury	Woodbury	0.1
Very Low	Woodbury	Woodbury Lower	0.1
Very Low	Woodbury	Woodbury-15	0.5