



## Lake Rescue Association

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P.O. Box 372, Ludlow, Vermont 05149 [www.lakerescue.org](http://www.lakerescue.org)

April \_\_, 2019

Scott Murphy, Municipal Manager  
Town & Village of Ludlow  
PO Box 359  
37 Depot Street  
Ludlow, VT 05149

RE: Request for maintenance of road drainage and infrastructure

### **Background**

In August 2011, Tropical Storm Irene caused extensive damage throughout Vermont including the Town of Ludlow. In subsequent years, pursuant to the VTrans Better Backroads program, now known as Better Roads, the Town of Ludlow with the support of the Lake Rescue Association, applied for and received grants from the State of Vermont. These grants were for the purpose of making certain improvements to the roadways, infrastructure and drainage around Lake Rescue and Pauline to reduce sediment running off the roadways into the lakes and to improve lake water quality. Under the terms of the grants, funding for the initial construction was provided by both the State of Vermont and the Town of Ludlow and subsequent maintenance is the responsibility of the Town. Since the installation of the improvements many of the culverts, drainage basins and ditches along the roadways are filling in with sediment and need maintenance.

### **Observations**

On October 8, 2018, two of our Board Members made observations on East Lake Road, Fishing Access Road, Ellison's Lake Road, Norman Drive, and Tepper Drive and observed that the drainage ditches, catch basins and drop outlets were clogged with sediment and debris. More recently, it was observed that following the rain storm on Sunday, April 14, 2019 there was substantial erosion around the Lakes Region on roadways and streams draining into the lakes. Although we appreciate the quick response by Ludlow to re-grade East Lake Road after the storm, the cleaning and maintenance of the drop outlets, catch basins and drainage ditches is essential to reduce further erosion of roadways and the significant sediment entering the lakes.

**Request for maintenance to be performed**

The Lake Rescue Association requests that the Town of Ludlow take action to clear and clean out the drainage ditches, drop outlets, catch basins and culverts on the local roads surrounding Lake Rescue and Lake Pauline.

**Information Attached**

Attached Exhibit A is a list of Road Segment Identification Numbers ("RSID#") for the road segments and the Object Identification numbers from the Atlas maintained by the Vermont Agency of Natural Resources ("ANR") of municipal town roads and related road infrastructure. Also attached are aerial maps of the Road Segments and the locations of drop outlets along the roadways

The aerial maps are available for viewing by signing in on the ANR's website:

<http://anrmaps.vermont.gov/websites/anra5/>

and searching for the project titled "Lake Rescue Drainage".

Attached as Exhibit B are photographs of some of the damage observed after the storm on April 14, 2019.

The Lake Rescue Association would like to meet to discuss this request and assist the Town in gathering any additional information it may need to complete this work in as expeditious a timeframe as possible.

LRA Board member Kevin Golmont will contact you to arrange a time to discuss. We look forward to partnering with the Town of Ludlow to solve this pressing issue.

Sincerely,

Barb Silver and Bruce Zanca, Co-Presidents  
On behalf of the Lake Rescue Association

**EXHIBIT A**

**Drop Inlet and Road Segment Inventory  
Lakes Region  
Town of Ludlow**

<u>RSID</u>	<u>Description</u>	<u>Object ID</u>
<b>Ellisons Lake Road, North of Fishing Access Road Road #32082</b>		
95367	Road Segment	498391
95368	Road Segment	498392
95368	Drop Inlet	24383
95369	Road Segment	498393
95369	Drop Inlet	78225
95370	Road Segment	498394
95371	Road Segment	498395
95371	Drop Inlet	50876
<b>Ellisons Lake Road South to East Lake Road #32082</b>		
95372	Road Segment	498396
95372	Drop Inlet	45142
95373	Road Segment	498397
95374	Road Segment	498398
95374	Drop Inlet	55729
95375	Road Segment	498399
95375	Drop Inlet	65915
95376	Road Segment	498400
95377	Road Segment	498401
95377	Drop Inlet	15574
95377	Drop inlet	13743
95378	Road Segment	498402
95378	Drop Inlet	52869
95378	Outfall	182344
95365	Road Segment	498389
95365	Bridge	30377
95365	Catch Basins	Not Listed in Inventory
<b>Fishing Access Road</b>		
97892	Road Segment	502651
97892	Pipe under driveway	
97893	Road Segment	502652
97893	Drop Inlet	96257
97894	Road Segment	502653
97891	Road Segment	502650

<u>RSID</u>	<u>Description</u>	<u>Object ID</u>
<b>East Lake Road from Pettinger Hill Road to Red Bridge Road Road #32080</b>		
94002	Road Segment	494924
94002	Drop inlet	38486
94003	Road Segment	494925
94004	Road Segment	494926
94004	Road Segment	37571
94005	Road Segment	494927
94006	Road Segment	494928
94007	Road Segment	494929
94007	Drop Inlet	64164
94007	Drop Inlet	75525
94007	Drop Inlet	37784
94008	Road Segment	494930
94009	Road Segment	494931
94009	Drop Inlet	10656
94010	Road Segment	494932
94011	Road Segment	494933
94011	Drop Inlet	40638
94011	Bridge	16
94012	Road Segment	494934
94012	Drop Inlet	68673
93976	Road Segment	494902
93977	Road Segment	494206
93977	Drop Inlet	45213
93978	Road Segment	494207
93978	Drop Inlet	4625
93978	Drop Inlet	63939
93979	Road Segment	494208
93979	Drop Inlet	55879
93980	Road Segment	494186
This Drop Inlet feeds stream to a Drop Inlet East of Archibald Lane and running under the lane Not on ANR Atlas		
<b>Tepper Drive</b>		
There are several ditches and inlet to be addressed		
Not on ANR Atlas		

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95375	Drop Inlet	65915
95376	Road Segment	498400
95377	Road Segment	498401
95377	Drop Inlet	15574
95377	Drop inlet	13743
95378	Road Segment	498402
95378	Drop Inlet	52869
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94007	Road Segment	494929
94007	Drop Inlet	64164
94007	Drop Inlet	75525
94007	Drop Inlet	37784
94008	Road Segment	494930
94009	Road Segment	494931
94009	Drop Inlet	10656
94010	Road Segment	494932
94011	Road Segment	494933
94011	Drop Inlet	40638
94011	Bridge	16
94012	Road Segment	494934
94012	Drop Inlet	68673
93976	Road Segment	494902
93977	Road Segment	494206
93977	Drop Inlet	45213
93978	Road Segment	494207
93978	Drop Inlet	4625
93978	Drop Inlet	63939
93979	Road Segment	494208
93979	Drop Inlet	55879
93980	Road Segment	494186
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**Drop Inlet and Road Segment Inventory**  
**Lakes Region**  
**Town of Ludlow**

<u>RSID</u>	<u>Description</u>	<u>Object ID</u>
<b>Red Bridge Road (from East to West)</b>		
53010.1	Road Segment	591394 Not Hydrologically connected
53011.11	Road Segment	591198 Not Hydrologically connected
53012.1	Road Segment	591199
53013.1	Road Segment	591299
53014.1	Road Segment & Bridge	591201
53015.1	Road Segment	591202
53015.1	Drop Inlet	65405
53008.1	Road Segment	591197
<b>Spruce Lane</b>		
170620	Road Segment	614012
170620	Drop Inlet	1267
170623	Road Segment	614015
170623	Drop Inlet	22832
170622	Road Segment	614014
170621	Road Segment	614013
182198	Road Segment	629471
182187	Road Segment	629470
<b>East Lake Road, South of Red Bridge Road</b>		
93981	Road Segment	494903
93982	Road Segment	494904
93982	Drop Inlet	93938
93983	Road Segment	494905
93983	Drop Inlet	34501
93984	Road Segment	494906
93985	Road Segment	494907
93985	Drop Inlet	10545
93985	Drop Inlet	90257
93986	Road Segment	494908
93986	Drop Inlet	91418
93986	Drop Inlet	13473
93987	Road Segment	494909

<u>RSID</u>	<u>Description</u>	<u>Object ID</u>
<b>East Lake Road, South of Red Bridge Road (Continued)</b>		
93987	Drop Inlet	36789
93987	Drop Inlet	72485
93988	Road Segment	494910
93989	Road Segment	494911
93989	Drop Inlet	8142
93989	Drop Inlet	92318
93990	Road Segment	494912
93990	Drop Inlet	6997
93991	Road Segment	494913
93991	Drop Inlet	68455
93991	Drop Inlet	58201
93992	Road Segment	494914
93993	Road Segment	494915
93993	Drop Inlet	44235
93994	Road Segment	494916
93944	Drop Inlet	25831
93995	Road Segment	494917
93955	Drop Inlet	44000
93996	Road Segment	494918
93996	Drop Inlet	88399
93997	Road Segment	494919
93997	Drop Inlet	53169
93975	Road Segment	494901
<b>Lake Pauline Road</b>		
122181	Road Segment	537049
122181	Drop Inlet	39973
122185	Road Segment	537053
122184	Road Segment	537052
122183	Road Segment	537051
122183	Drop Inlet	14343
<b>Carpenter's Point Road</b>		
18513	Drop Inlet	71620
18514	Road Segment	



Ludlow

Black River

Lake Rescue





Black River

Lake Rescue

Ludlow





Ludlow

Lake Reservoir

Black River

Cook Pond



**EXHIBIT B**

Overflowing stream crossing Archibald Lane, April 15, 2019





## EXHIBIT B

Clogged inlet at the intersection of Ellison's Lake Road and Fishing Access Road,  
April 19, 2019





## EXHIBIT B

Erosion at intersection of Ellison's Lake Road and Fishing Access Road from run off caused by clogged inlet, April 19, 2019

