



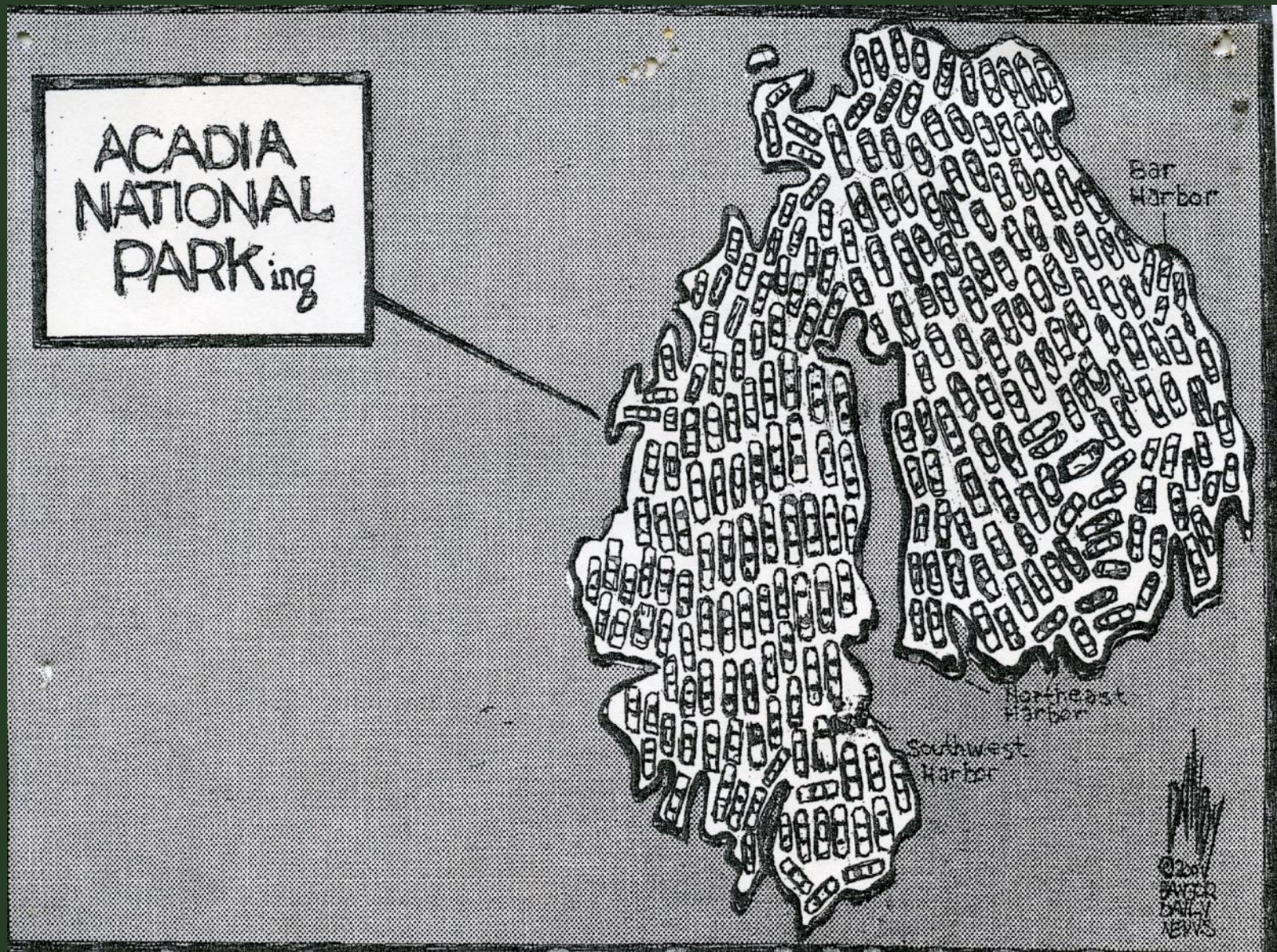
The Science Behind Transportation Planning Part 1

The spectacle of thousands upon thousands of people spending annually several weeks or months of summer in healthful life by the seashore is very pleasant, but there is danger lest this human flood so overflow and occupy the limited stretch of coast which it invades as to rob it of that flavor of wildness which hitherto has constituted its most refreshing charm.

Charles W. Eliot 1917.

The Coast of Maine. Sieur de Monts Publications IV.

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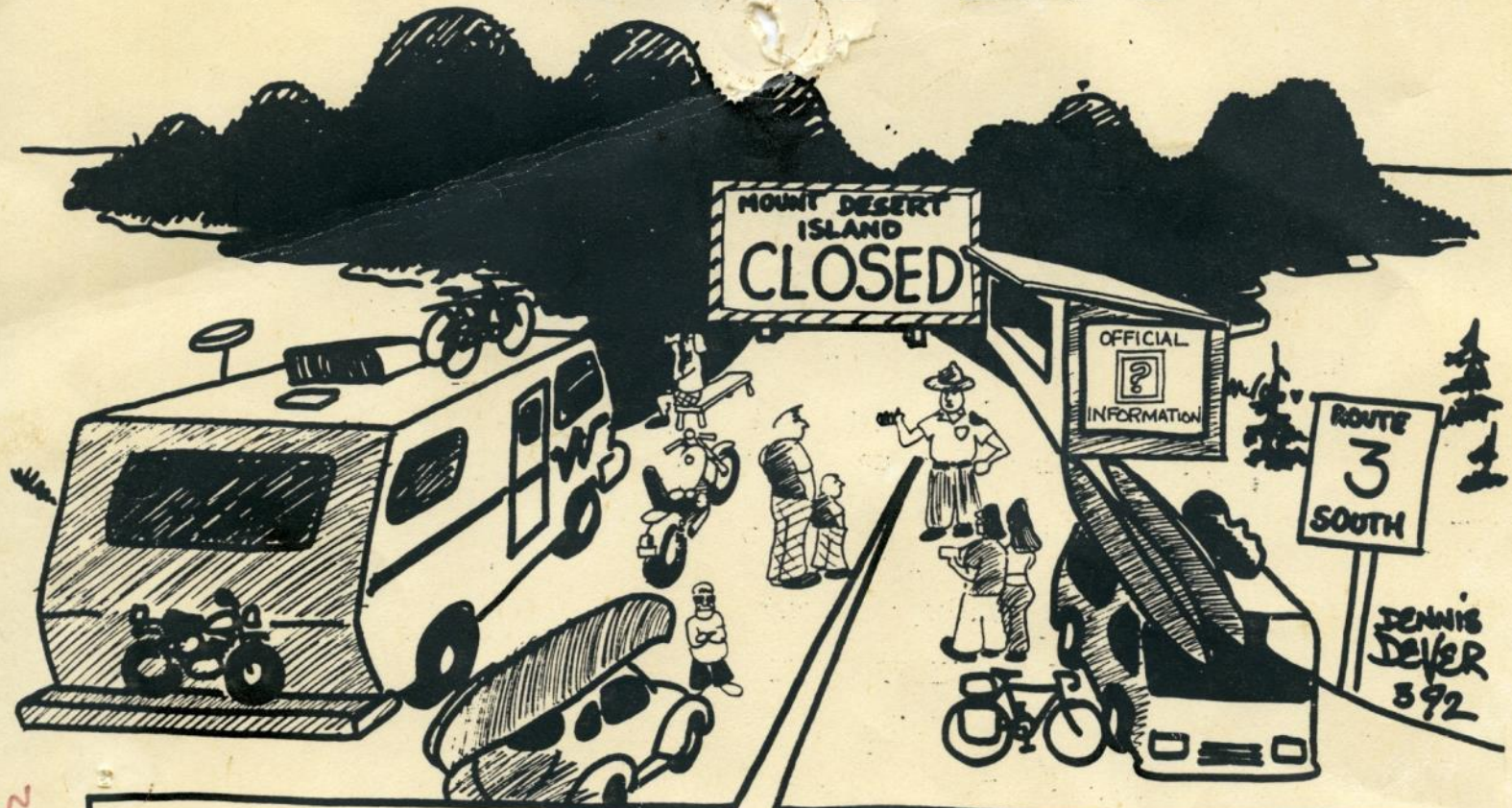




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SUMMER 1998



FIRST-TOLL GATES WENT UP ON OCEAN DRIVE, THE PRECIPICE WAS CLOSED OFF, AND THE LIGHTHOUSE TRAIL GOT POSTED! LAKE USE WAS BANNED. EVENTUALLY, IT LED TO THIS.

4/23/92



Research - Inventory - Monitoring

- Social Science - visitor surveys, observational studies
- Recreation Ecology - trail conditions and impacts
- Visitor Counts - people, traffic, hikers, bikers etc



Social Science & Recreation Ecology Research

GMP studies	1985 - 1986
Public Use Counting Methods	1989 - 1990
Carriage Roads	1994 - 1996
Island Explorer Users	1999
Visitor Survey Cards	1999 - 2018
Mount Desert Island Capacity	2004, 2005, 2009
Schoodic and Isle au Haut Capacity	2001, 2002
Visitor Services Project	1998, 2009
Trails Efficacy Cadillac Mtn	2005
Trails Efficacy Gorham Mtn	2008
Visitor Impact Inventory Cadillac Mtn	2008
Hiking Trails Condition Inventory	2008





Social Science - Carriage Road Crowding

Crowding Standard: no more than
15 days with $> 3,000/\text{day}$
Simulation Model

Behavior Standard: Depending on the zone,
no more than 5% or 10% of visitors experiencing
 $n > 2$ occurrences



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Social Science MDI Capacity Studies 2004 - 2005





Social Science MDI Capacity Studies 2004 - 2005





Social Science MDI Capacity Studies 2004 - 2005





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**Crowding
Congestion**

Displacement

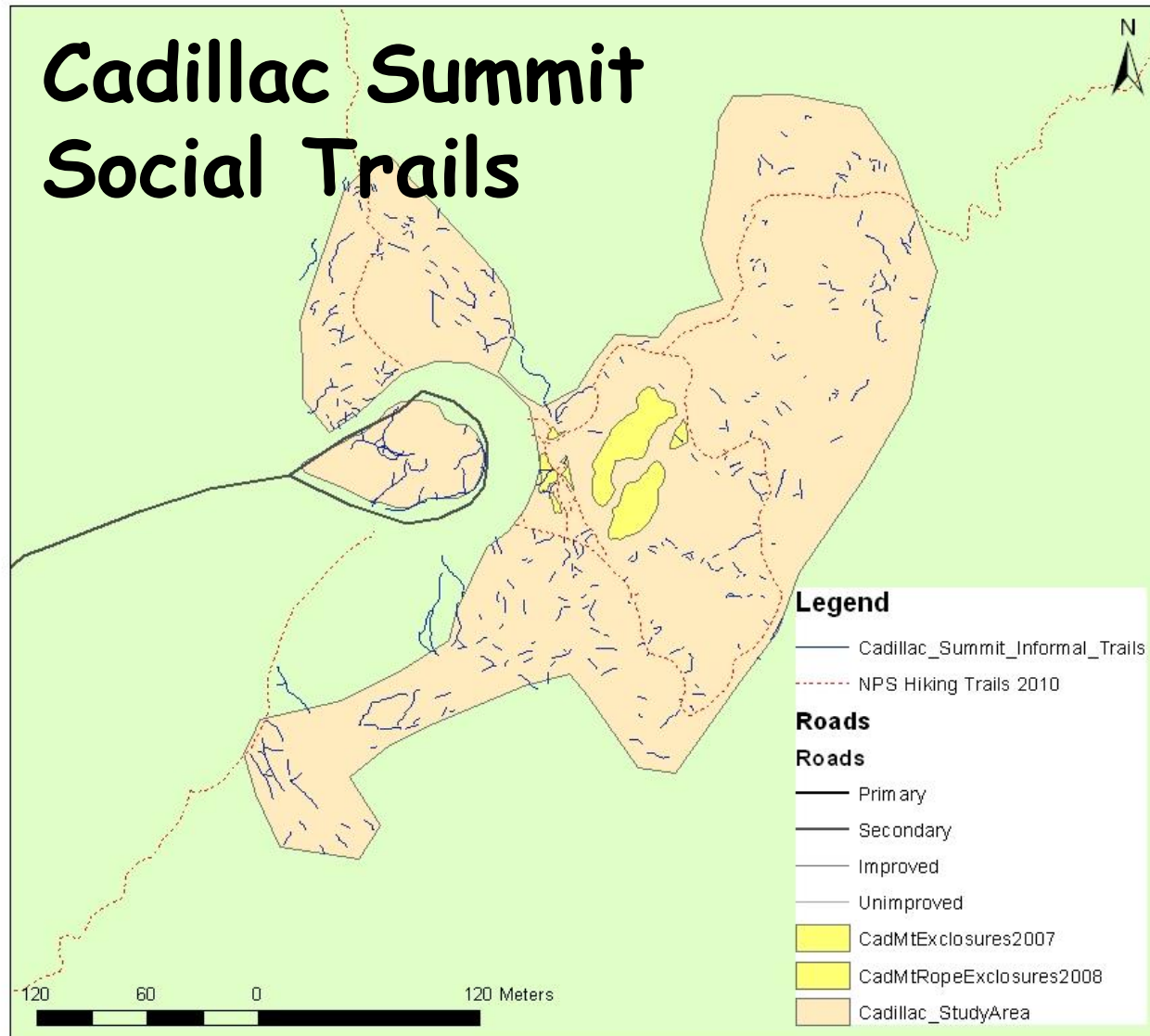


Recreation Ecology Social Trail Inventories

- Little Moose Island
- Ocean Drive
- Beehive
- South Bubble



Cadillac Summit Social Trails





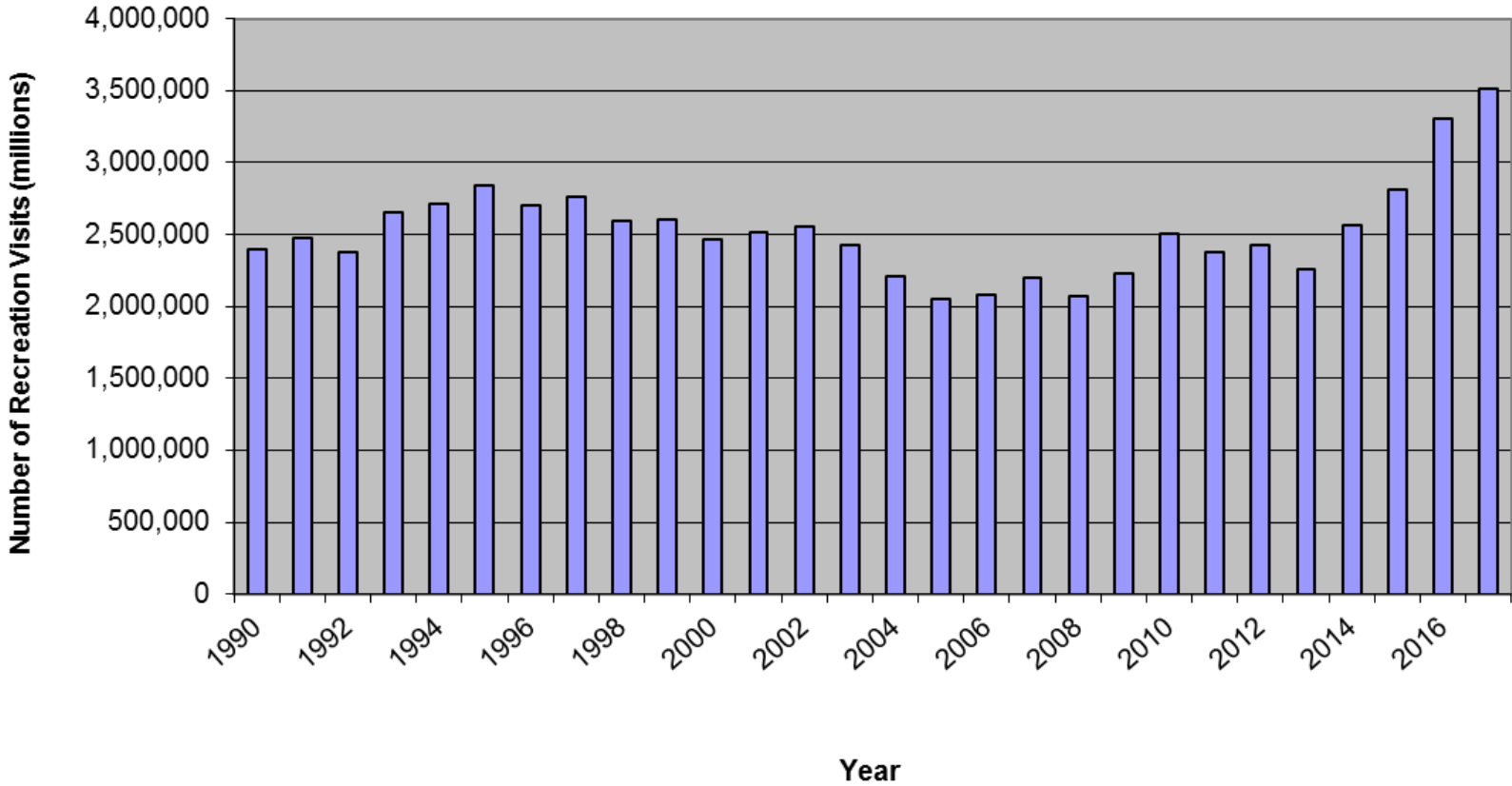
Visitor Counts

- Traffic
- Parking
- Bus Use - Commercial Use and Fee Programs
- Bicycles: Schoodic, Ocean Drive, and Cadillac
- Carriage Roads and Hiking Trails



Public Use

Acadia Annual Recreation Visits 1990-Present

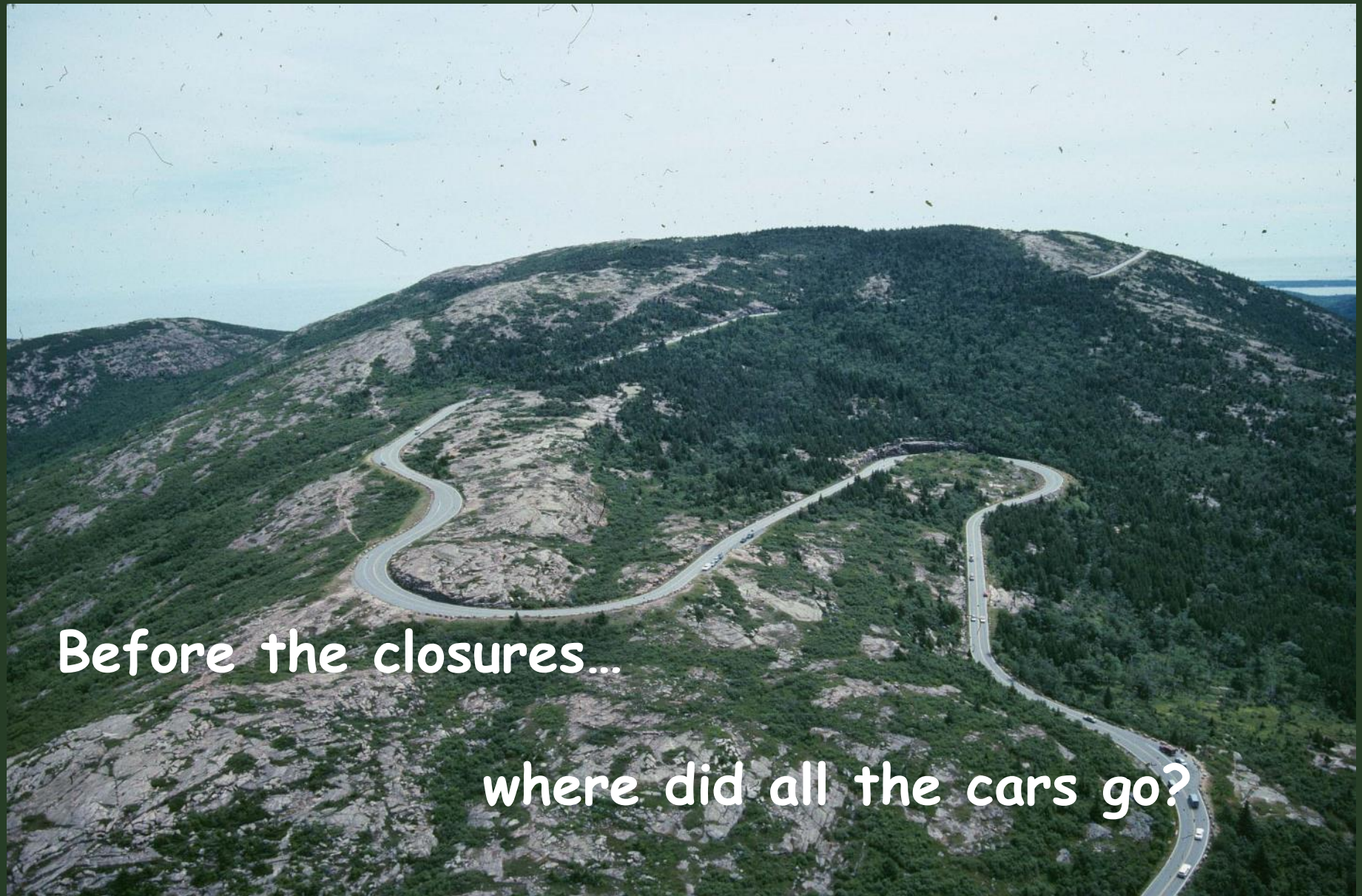


Cadillac Traffic

- August 1947 280 vehicles/day
- August 2017 280 vehicles/hour
- Closures 2016



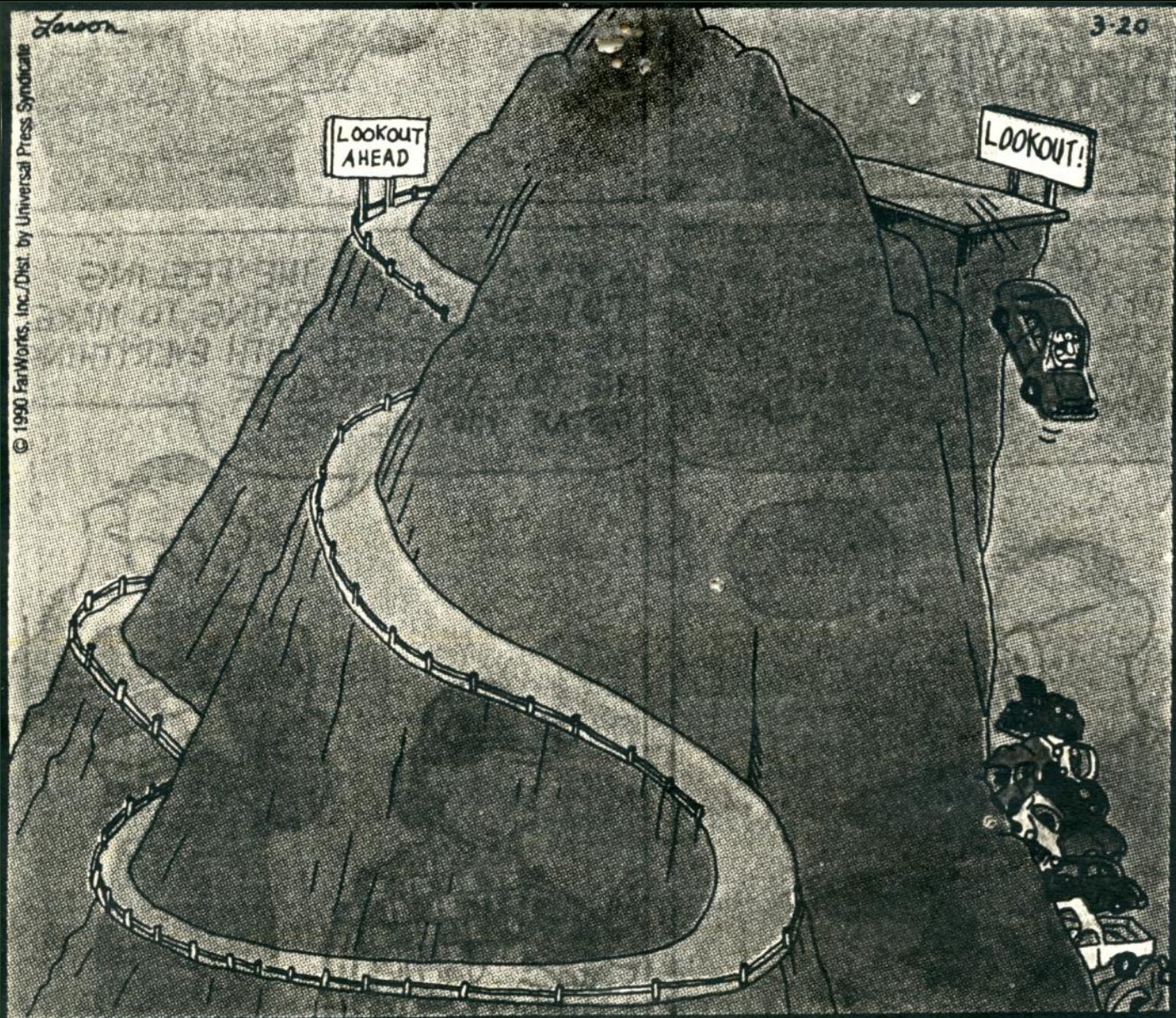
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Before the closures...

where did all the cars go?

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Now, here, you see, it takes all the running you can do, to keep in the same place. If you want to get somewhere else, you must run at least twice as fast as that!

The Red Queen, in Through the Looking Glass, and What Alice Found There, by Lewis Carroll.

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