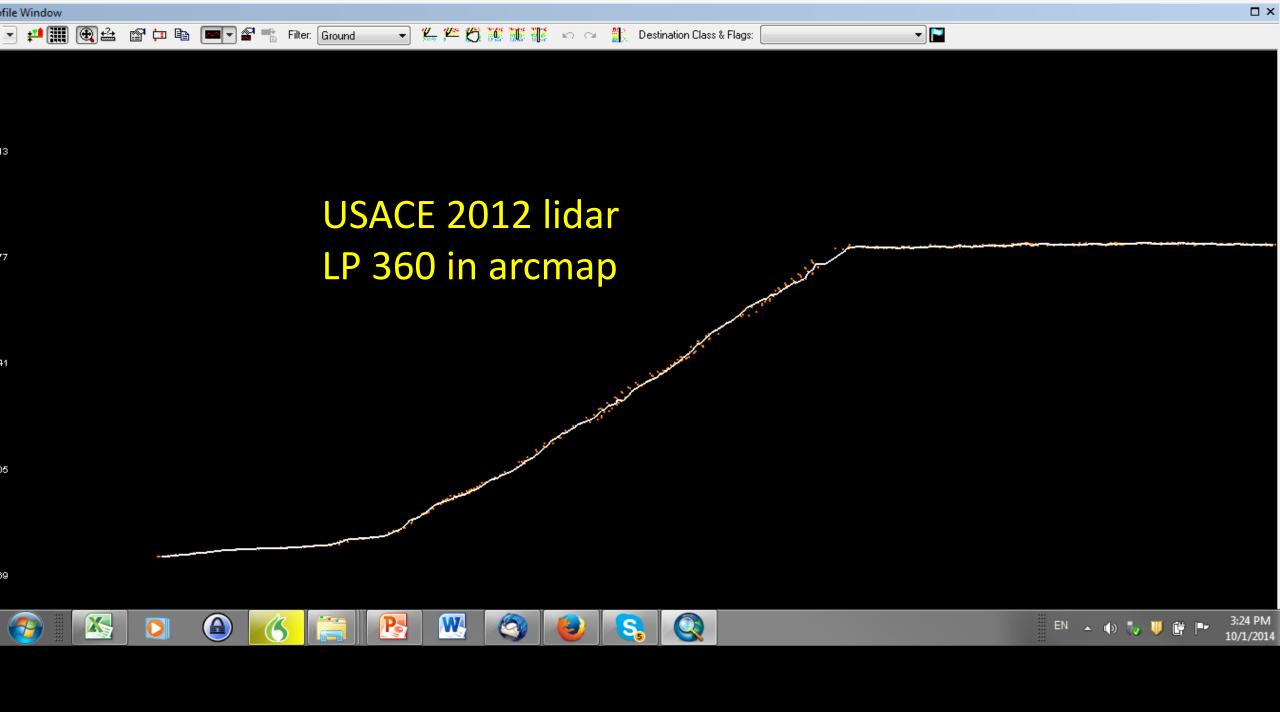
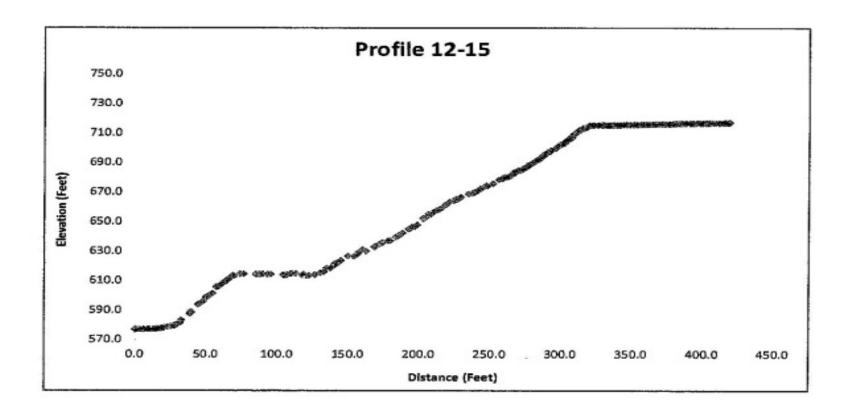


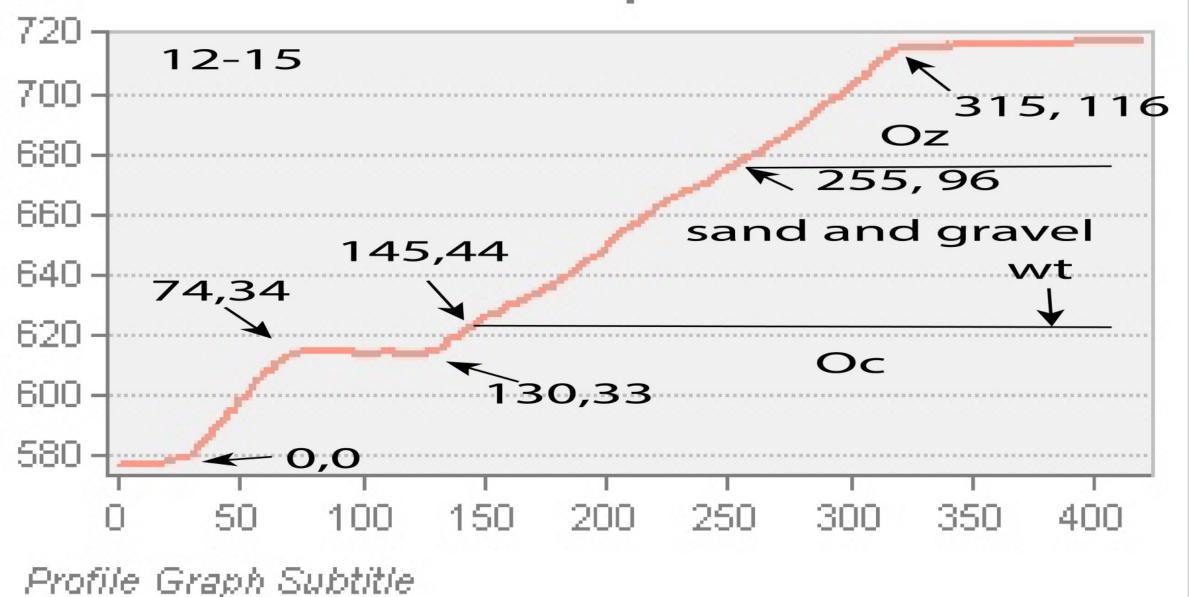
1976 and again in 1995

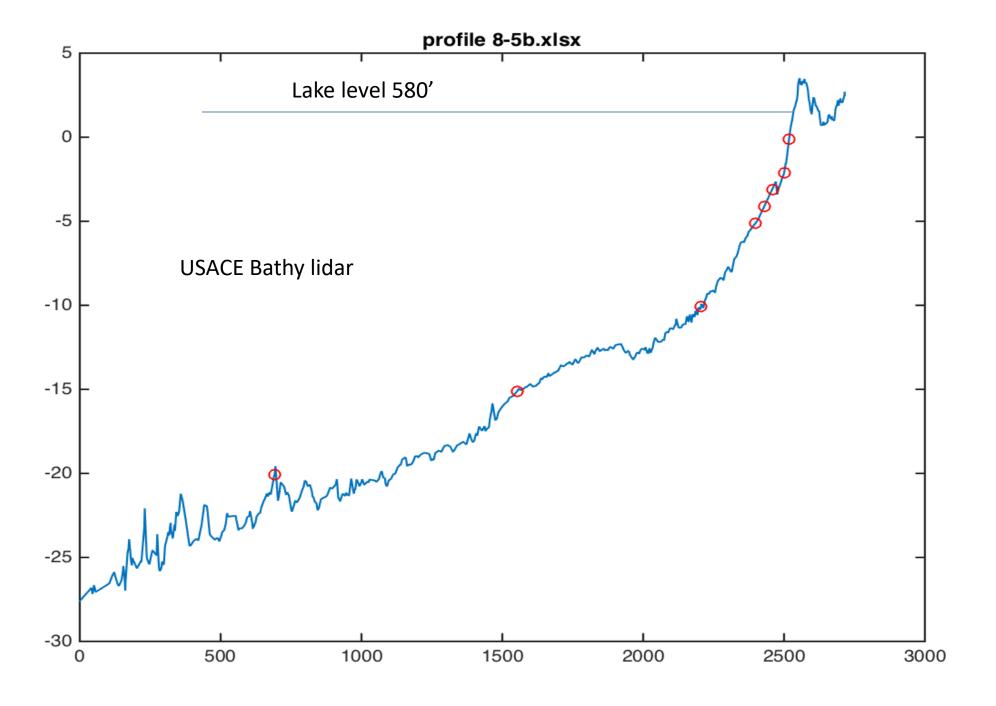


(Υ	
	419.2	717.1
	419.2	717.1
	419.1	717.1
	418.3	717.1
	416.6	717.0
	417.7	717.0
	416.1	717.0
	414.6	717.0
	413.9	717.0
	412.1	716.9
	411.5	716.9
	411.5	716.9
	411.7	716.9
	411.4	716.9
	409.3	716.9
	408.9	716.9
	406.4	716.9
	406.9	716.9
	407.5	716.9
	405.3	716.8
	404.6	716.8
	404.5	716.8
	403.8	716.8
	402.3	716.8
	402.8	716.8
m	any points r	not shown in this figur



Profile Graph Title





The bluffs have definitely become more stable since 1976.

In 1976, the mean lowest factor of safety of 113 profiles was 0.85.

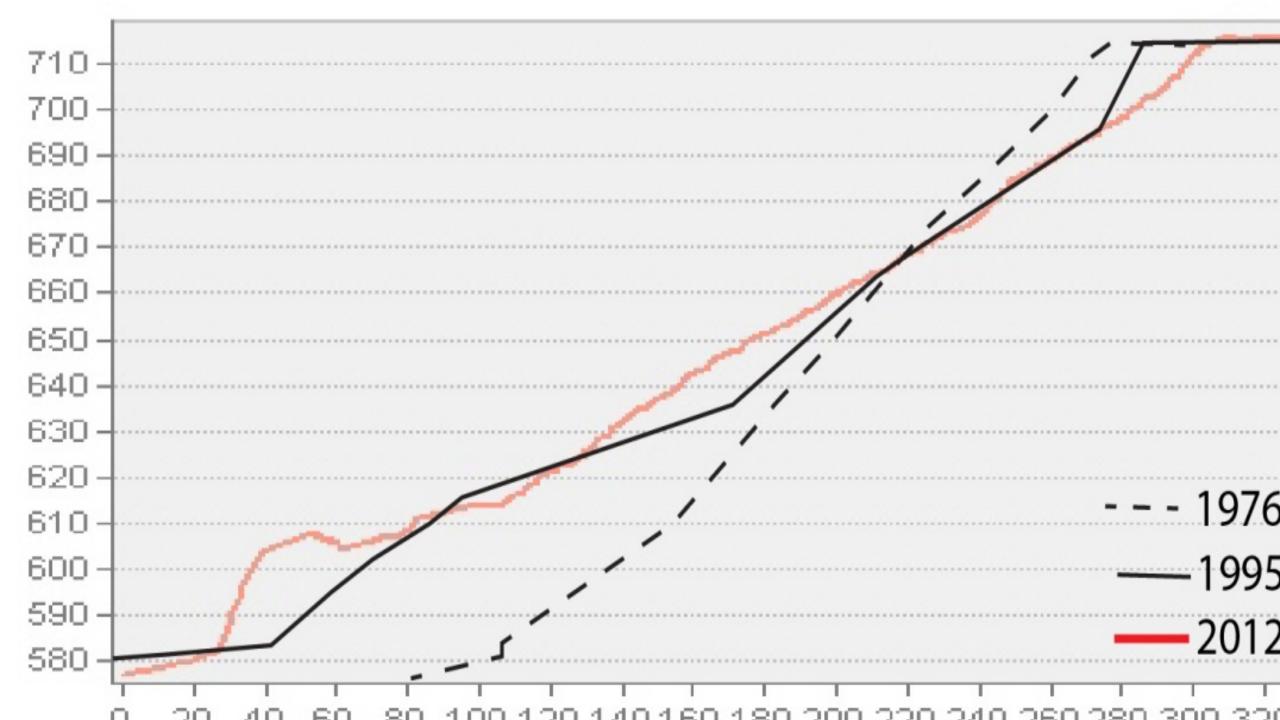
By 1995, the 148 profiles analyzed had a mean lowest factor of safety of 1.28.

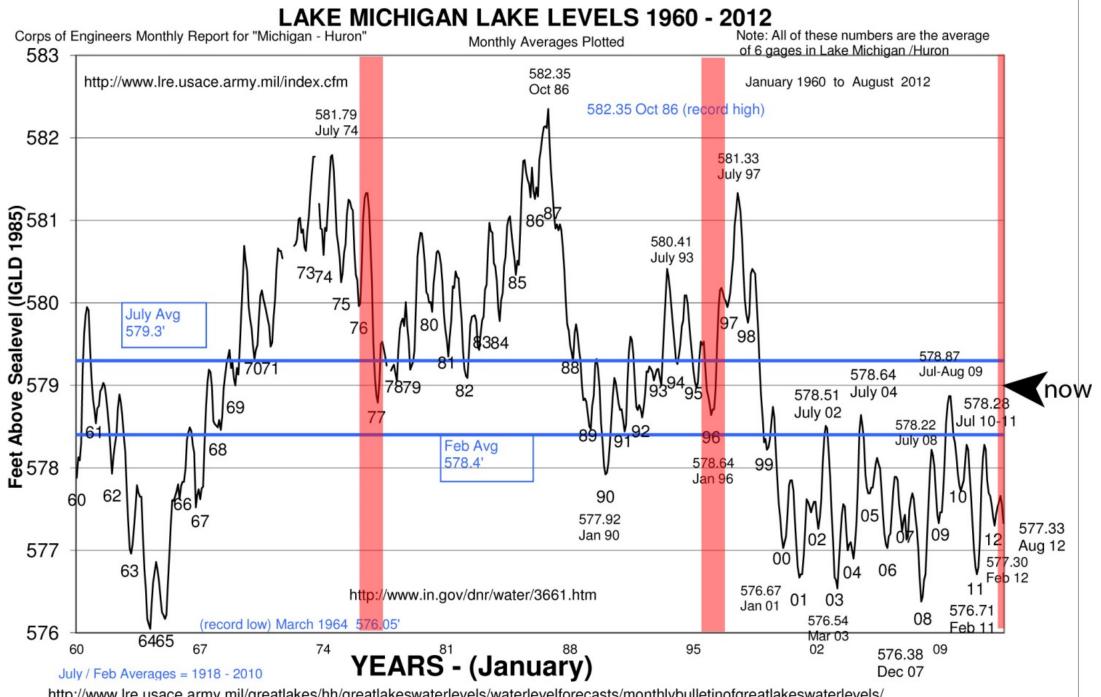
By 2012, this number had risen to an average of 1.47 for 154 profiles analyzed.

In 1976, 82 of the 118 profiles analyzed, or 73%, had a lowest factor of safety less than 1.00.

In 1995, 57 of the 148 profiles, or 38%, had a lowest factor of safety's less than 1.00.

In 2012, 21 of 154 profiles, or 14%, had a lowest factor of safety less than 1.00.





http://www.lre.usace.army.mil/greatlakes/hh/greatlakeswaterlevels/waterlevelforecasts/monthlybulletinofgreatlakeswaterlevels/

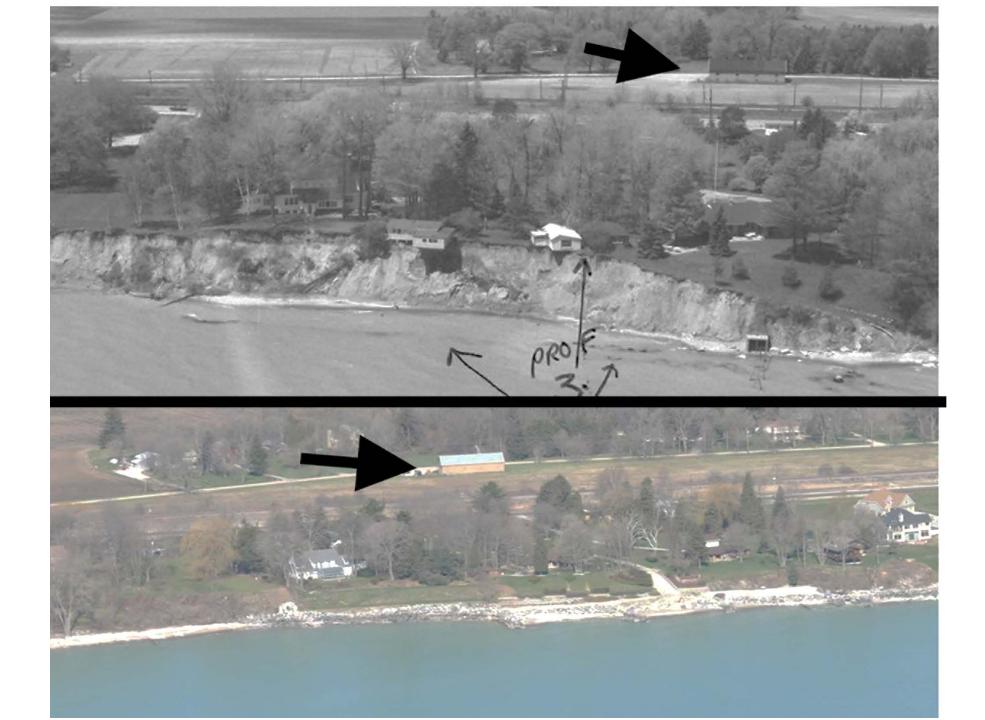
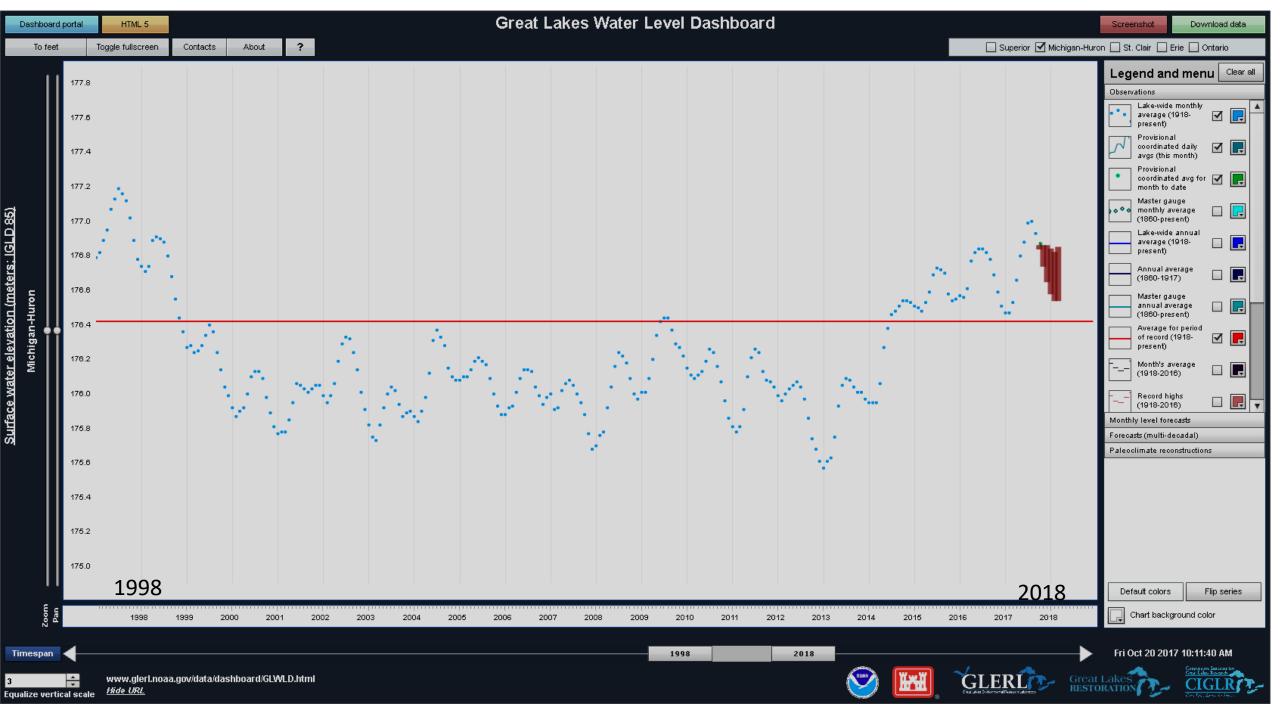
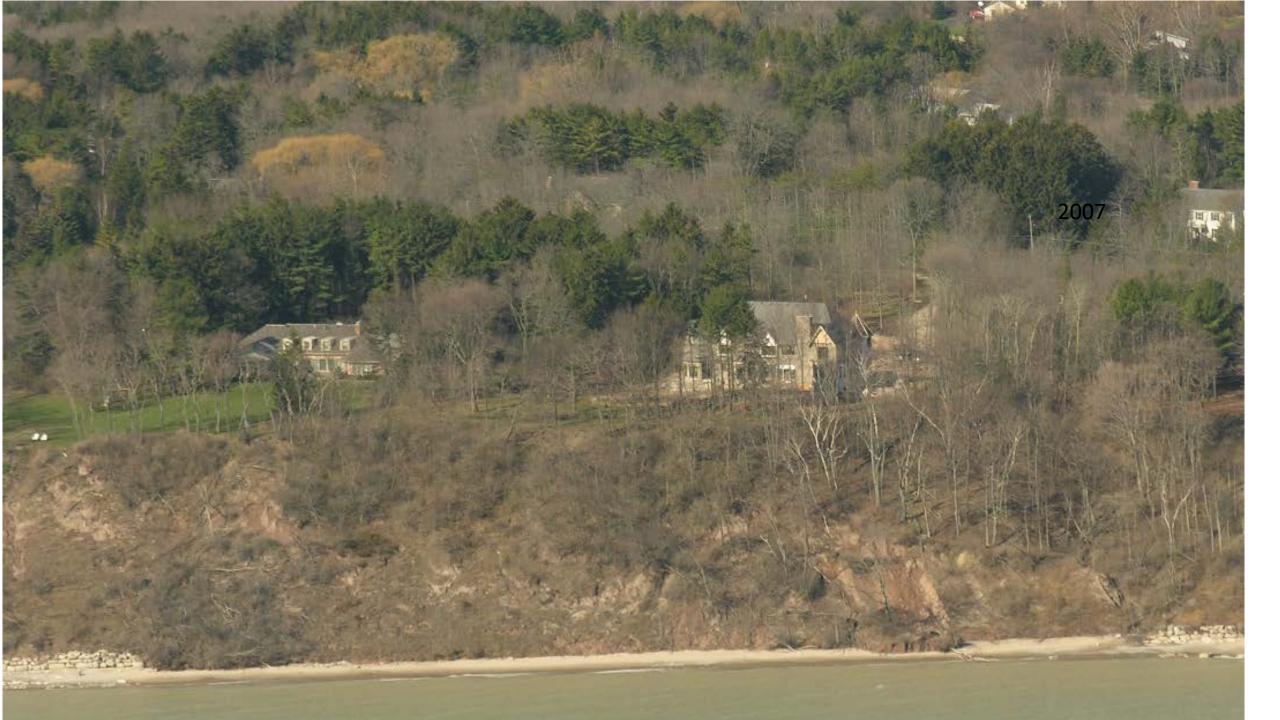


Table 3. Percent of classified shore that is armored with shore parallel, on-shore structures.

			1976-2007
	Percent	Percent	change in
	armored	armored	percent
	1976	2007-08	armored
Marinette	na	20.1	na
Oconto	na	30.0	na
Brown	na	32.2	na
Door	na	24.0	na
Kewaunee	5.9	14.9	9.1
Manitowoc	22.4	26.6	4.2
Sheboygan	31.1	32.3	1.2
Ozaukee	9.6	27.3	17.7
Milwaukee	44.6	62.7	18.1
Racine	56.5	67.0	10.6
Kenosha	58.9	85.7	26.8
Total L. Michigan	16.6	29 .8	13.2

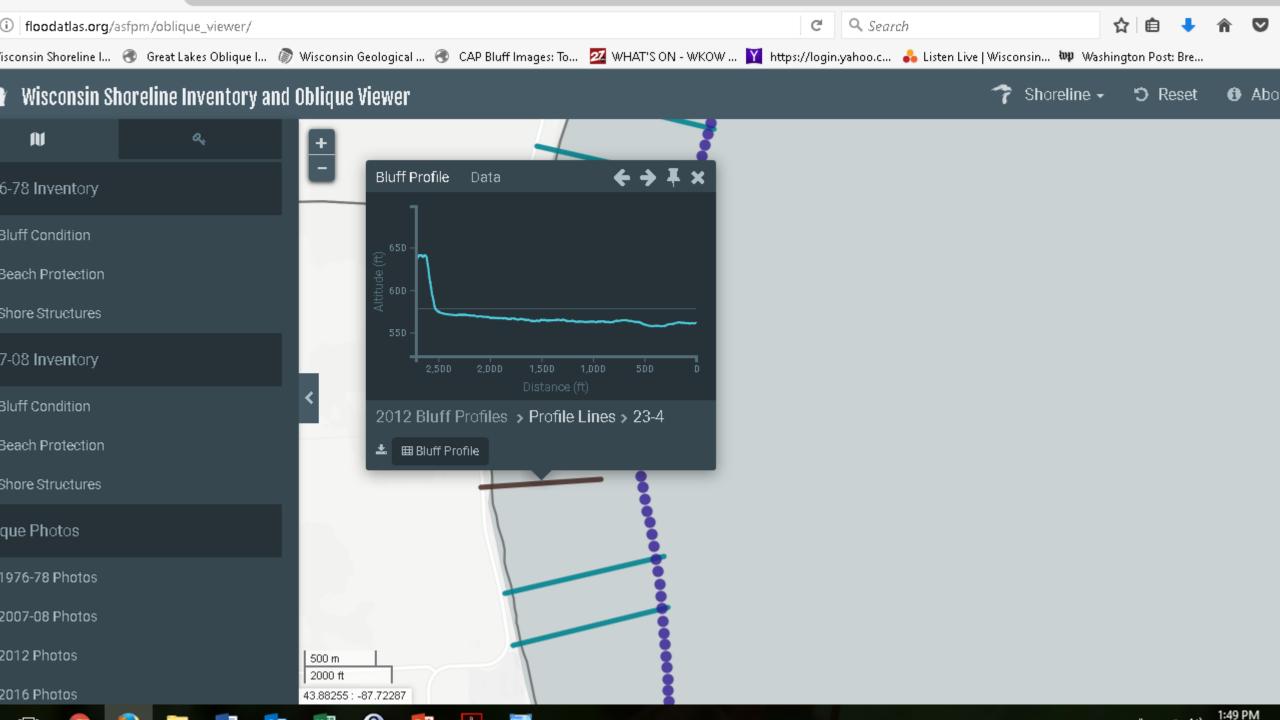
1976 2007











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