

Draft

North American Maple Project

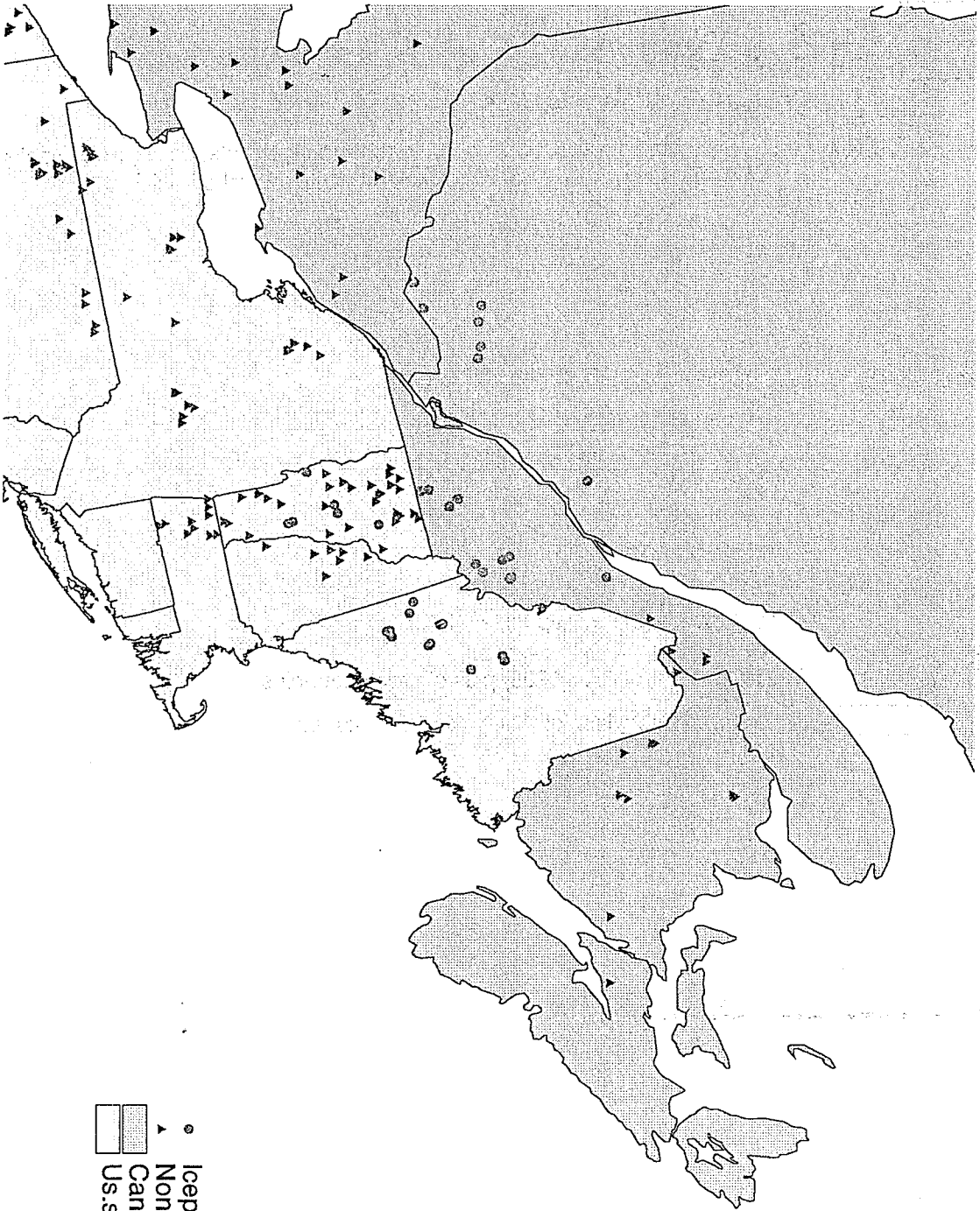
Ice Storm '98 Assessment

Draft Preliminary Summaries

12/10/98

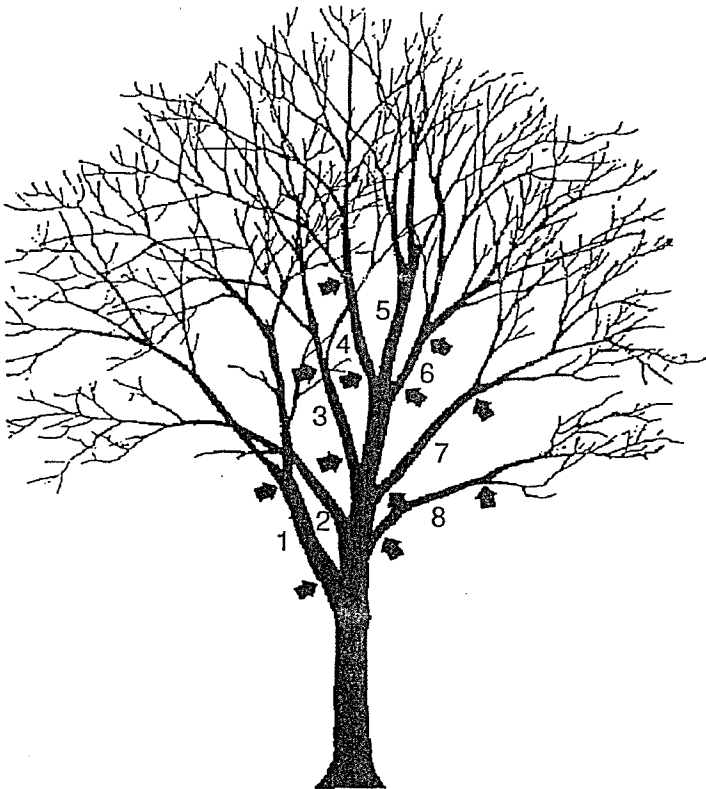
North American Maple Project

Plots affected by Ice Storm '98



ICE DAMAGE FIELD FORM KEY (April, 1998)

1	TREE #	pre-printed
2	SP #	pre-printed
3	DBH cm	pre-printed
4	TREE DOWN	0=No, 1=Yes If Yes, stop here.
5	BOLE BROKEN BELOW CROWN	0=No, 1=single bole, broken below crown; 2=multiple bole, some broken below crown but at least one unbroken; 3=multiple bole, all broken below crown
6	CROWN DAMAGE (%)	0=None, 1=1-10%, 2=11-25%, 3=26-50%, 4=51-75%, 5=76-100%
7	TOP BROKEN	0=No, 1=single bole, broken within crown; 2=multiple bole some broken within crown but at least one unbroken; 3=multiple bole, all broken within crown; 4=many branches broken within crown but no main stems broken (main crown stem=next branch size beyond m)
8	NO. MAJOR BRANCHES BROKEN @ BOLE (<6" FROM BOLE)	Major branches broken less than 6" (15 cm) from point of attachment.
9	NO. WOUNDS >20% BOLE CIRCUM. WITHIN CROWN	Record number in each position
10	BELOW CROWN	(=wound width at widest point vs. bole circumference).
11	NO. NEW (1998) TAPHOLES	Record number of new tapholes (1998).
12	TOT. NO. OPEN TAPHOLES	Record number of new (1998) plus old open tapholes.
13	NOTES	Record bent trees, leaning trees, broken roots, etc.



In order to define a "major" branch (and for the sake of argument!), I propose we define a "major" branch as "a branch originating from the bole that gives rise to branches with foliage but does not possess (or appear to have possessed) foliage itself". This tree has 8 major branches and on 6 of them I have delineated the region where breakage must occur to be considered a broken major branch.

FIGURE 1

North American Maple Project Ice Storm '98 Assessment

Number of down trees

Maine

Code	# trees
.	332
0	1347
1	0

Code	Rating
.	Dead tree
0	Standing
1	Down

Quebec

Code	# trees
.	291
0	1651
1	1

Vermont

Code	# trees
.	101
0	512
1	11

North American Maple Project Ice Storm '98 Assessment

Bole Broken

Maine

Code	#
.	332
0	1319
1	14
2	14

Code	Bole Broken
0	No
1	Single bole, below crown
2	Multi-bole, some broken
3	Multi-bole, all broken

Quebec

Code	#
.	292
0	1622
1	24
2	3
3	2

Vermont

Code	#
.	110
0	494
1	13
2	6
3	1

North American Maple Project Ice Storm '98 Assessment

Number of trees by crown damage code

Maine: 18 Clusters, 14 damaged

Code	#	%
.	333	20%
0	1017	61%
1	157	9%
2	63	4%
3	40	2%
4	36	2%
5	33	2%
	1679	

Code	Percent damage
.	Dead tree
0	None
1	1-10%
2	11-25%
3	26-50%
4	51-75%
5	76-100%

Quebec: 24 Clusters, 20 damaged

Code	#	%
.	317	16%
0	1069	55%
1	127	7%
2	108	6%
3	150	8%
4	110	6%
5	62	3%
	1943	

Vermont: 40 Clusters, 7 damaged

Code	#	%
.	121	19%
0	123	20%
1	163	26%
2	76	12%
3	61	10%
4	38	6%
5	42	7%
	624	

North American Maple Project Ice Storm '98 Assessment

Maine Top Broken

Maine

Code	#
.	333
0	1029
1	52
2	11
3	1
4	253

Code	Top Broken
0	No
1	Single bole, broken in crown
2	Multi-bole, some broken
3	Multi-bole, all broken
4	Many small branches broken

Quebec

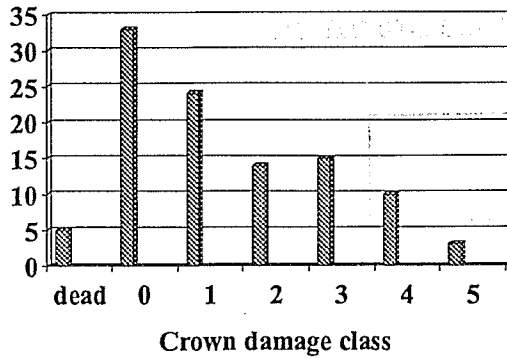
Code	#
.	317
0	1076
1	64
2	67
3	16
4	403

Vermont

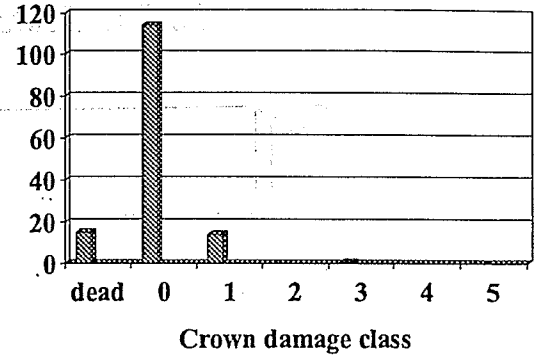
Code	#
.	123
0	186
1	22
2	7
3	5
4	281

624

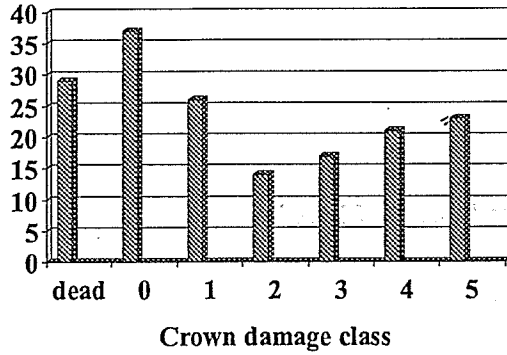
Cluster ME1



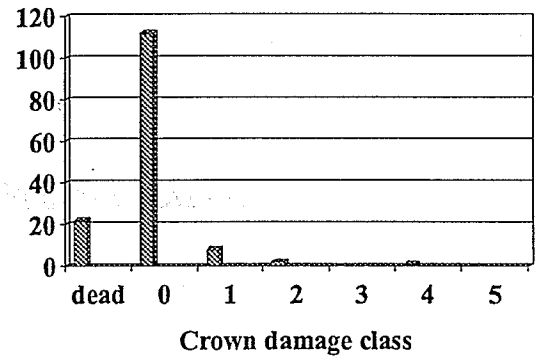
Cluster ME4



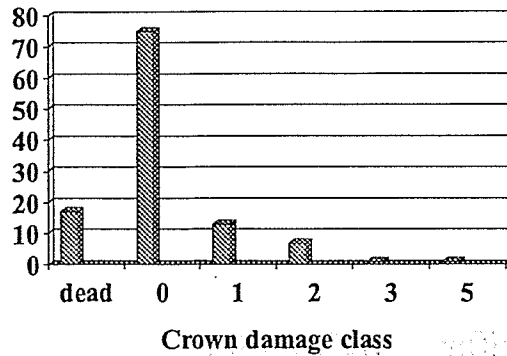
Cluster ME2



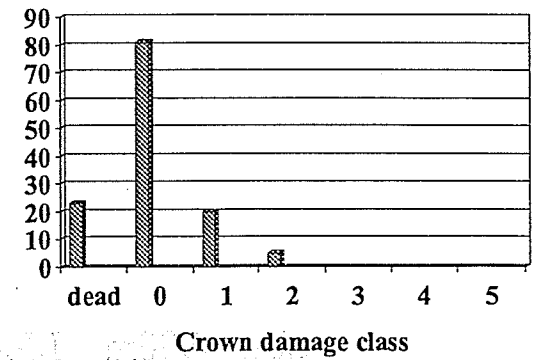
Cluster ME5



Cluster ME3



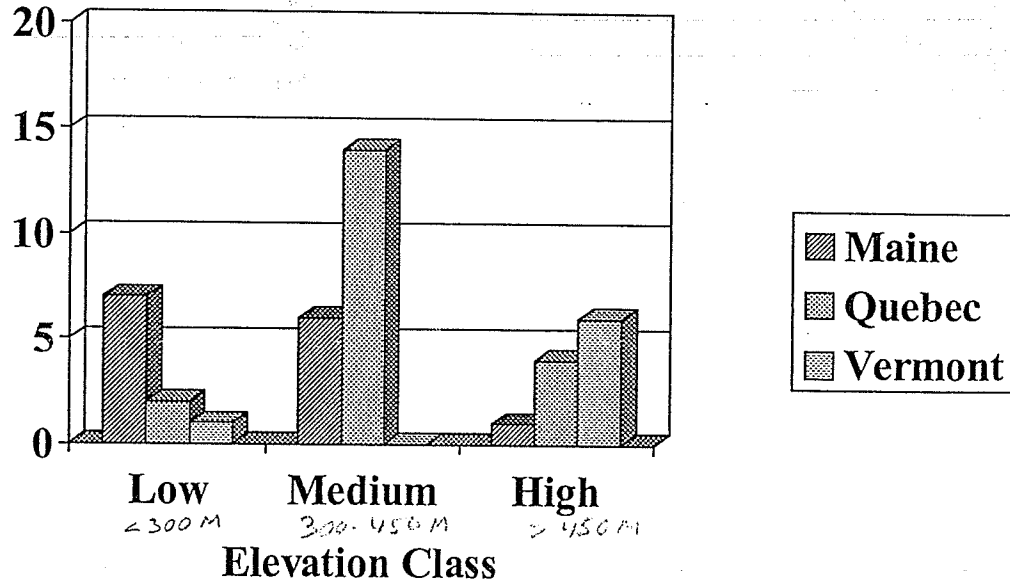
Cluster ME7



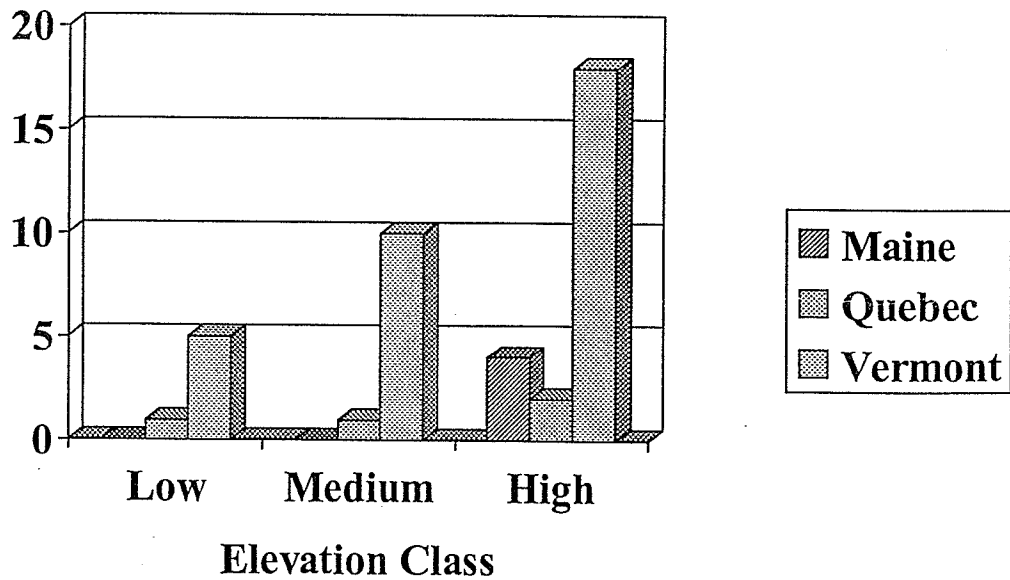
Elevation

NAMP Plots Affected by Ice Storm '98

plots



NAMP Plots Not Affected by Ice Storm '98



Low <300m Medium 300-450m High >450m

