

Location: Town Farm, Petersham, Mass.

Plot No. 1

Area: 1/2 Acre

Date: 7/10/35

Mean Percent	Species												
	Pop.	G.B.	R.M.	W.P.	B.Ch.								
Composition	75	15*	3	5	2								
Defoliation	100	100	25	12	50								

* Partly Refoliated

Slope:

Sizes:

Remarks: Migration was away from the W. Pine.

Location: Town Farm, Road-Near Golf Course, Petersham, Mass.

Plot No. 2

Area: 1 Acre

Date: 7/10/55

Mean Percent	Species										
	Pop.	G.B.	R.O.	W.P.	P.Ch.	R.M.	B.Ch.	W.Haz.	Apple	Dgwd.	Thorn Apple
Composition	45	45	1	1	1	1	2	1	1	T.	T.
Defoliation	100	100	75	25-87	25	50	25	0	100	0	0

Slope: Gently Eastern

Sizes: 1" - 7"

Remarks:

Location: Town Farm, Petersham, Mass. -Type: A

Plot No. 3

Area: 1/2 Acre

Date: 7/10/35

Mean Percent	Species												
	Pop.	G.B.	R.O. 1 tree	P.Ch.	W.A.	R.M.							
Composition	75	20	1	1	1	2							
Defoliation	87	50	50	25	0	25							

Slope:

Sizes:

Remarks:

Location: Tom Swamp Road, Petersham, Mass.

Plot No. 4

Area: 1/4 Acre

Date: 7/16/35

Mean Percent	Species										
	Pop.	G.B.	B.B.	P.B.	W.P.	R.O.	R.M.	B.C.	P.C.	Apple	W.O.
Composition	60	5	5	3	20	2	1	1	1	1	1
Defoliation	100	75	25-50	50	50-87	50-100	25	25	25	75	50-100

Slope: Westerly

Sizes: 2" - 8"

Remarks: Overstory - G.B. and Pop.
Understory - W.P.

Location: Camel's Hump, Petersham, Mass. Type: Ridgetop

Plot No. 5

Area: 40 Acres

Date:

Mean Percent	Species										
	G.B.	Pop.	W.P.	R.O.	W.A.	W.O.	Butt.	B.Ch.	R.M.	Chest	Hazel.
Composition	75	2	1	10	T	5	1	1	2	T	T
Defoliation	100*	100	25-100	87-100	0	50-100	12	25	12-50	50	75-100

*Partly refoliated

Slope:

Sizes: Average 2"-6"

Remarks:

Location: Waldo Place on Tom Swamp Road, Petersham, Mass.

Plot No. 6

Area: 2 Acres

Date: 7/16/35

Mean Percent	Species											
	G.B.	R.O.	Pop.	P.C.	Apple	W.P.	R.M.	Dgwd.	W.A.	B.C.	Ald.	Will.
Composition	35	15	30	5	1	5	1	1	1	1	4	1
Defoliation	87	75-100	100	25	100	12-75	25	0	0	25	100	100

Slope: Level

Sizes: 2" - 6"

Remarks: Overstory - G.B., and Pop. and Oak.

Pine in understory.

Location: Between Nicheway and Hardwick Rds., Petersham, Mass.

Plot No. 7

Area: 3 Acres

Date: 7/17/35

Mean Percent	Species											
	G.B.	W.P.	R.M.	W.O.	Thorn Apple	R.O.						
Composition	90	1	3	3	1	2						
Defoliation	100*	100	25-50	100	100	100						

*Refoliation

Slope: Ridge top and eastern slope

Sizes: 2" - 5"

Remarks:

Location: Old Russell Rd., Petersham, Mass.

Plot No. 8

Area: 1 Acre

Date: 7/17/35

Mean Percent	Species								
	Apple	G.B.	Pop.	W.P.	B.Ch.	Will.	P.C.	R.M.	
Orchard	100								
Composition									
Border		90	1	5	1	1	1	1	
Defoliation	100	100	100	25-75	0	100	0	0-12	

Slope: Very gentle to westerly.

Sizes: Apples - 5"; others 1" - 4".

Remarks: This is an orchard with grey birch on eastern and southern edge. All apple trees stripped.

Location: The Deer Farm, Petersham, Mass.

Plot No. 9

Area: 2 Acres

Date: 7/10/35

Mean Percent	Species												
	G.B.	Pop.	W.P.	W.O.	R.O.	R.M.	Ald.	W.A.	P.B.	Elm			
Composition	45	25	15	5	1	1	1	1	5	1			
Defoliation	100	100	50-100	100	50-75	50	87	0	75	12			

Slope: Easterly - 2% gradient

Sizes: 2" - 10" (average 5")

Remarks:

Location: Near Awadan Home, Petersham, Mass.

Plot No. 10

Area: 2 acres

Date: 7/17/35

Mean Percent	Species							Apple						
	G.B.	Pop.	W.O.	B.Ch.	R.M.	Pin Ch.								
Composition	30	55	T	1%	1	1	T							
Defoliation	87-100*	100	100	25	25	25-100	100							

* Refoliation

Slope: Flat

Sizes: 1" - 4"

Remarks:

Location: Glen Valley Road near Cheate Estate, Petersham, Mass.

Plot No. 11

Area: 3 Acres

Date: 7/17/35

Mean Percent	Species												
	Pop.	R.O.	W.O.	G.B.	R.M.	W.P.	P.C.	P.B.	Hem.	Y.B.	B.C.	B.B.	Chest.
Composition	20	5	1	40	4	4	1	20	1	1	1	1	1
Defoliation	100	50-100	75-100	100*	24-50	12-100	25- 50	25- 75	12	0	25	50	25

*Refoliating

Slope: Western

Sizes: 1"-7"

Remarks: Pine is underneath.

Location: Baldwin House, Petersham, Mass.

Plot No. 12

Area: 1/2 acre

Date: July 3, 1935

Mean Percent	Species												
	Pop.	R.M.	H.M.	W.A.	G.B.	B.Ch.	W.P.	P.C.	R.O.				
Composition	60	20	3	1	10	2	2	1	1				
Defoliation	100	25	12	0	75	50	75	75	100				

Slope:

Sizes: 2"-6"

Remarks: Aspect E - level

Location: Torn Swamp Road, Petersham, Mass.

Plot No. 13

Area: 1/4 Acre

Date: 7/16/35

Mean Percent	Species													
	Ald.	G.B.	R.M.	W.P.										
Composition	95	3	1	1										
Defoliation	100	100*	25	87										

Slope: Westerly - Alder Swamp

Sizes: 1"-2"

Remarks:

Location: Fisher House, Petersham, Mass.

Plot No. 14

Area: 1 Acre

Date: 7/11/35

Mean Percent	Species												
	G.B.	R.M.	Pop.	Ash	R.O.	W.P.	B.Ch.	Chest.	Apple				
Composition	5	15	5	T	45	3	15	T	10				
Defoliation	100*	50	100	12	100	50-100	25- 50	75	100				

Slope:

Sizes: Up to 18" on roadside

Remarks: Stone wall here.

Location: West Road near Cutlers, Petersham, Mass.

Plot No. 15

Area: 2 Acres

Date: 7/14/55

Mean Percent	Species										
	Alder	W.O.	Hic.	G.B.	R.M.	W.P.	R.O.	Pop.	Chest.	P.Ch.	Sumach
Composition	10	25	5	10	2	2	30	15	1	T.	T.
Defoliation	100*	100*	87	100	12-50	50	75- 100*	100	50	25	0

Slope: South

Sizes: 1"-6" excepting for large roadside trees

Remarks: Roadside trees W. oak

Location: Beyond High School, Petersham, Mass.

Plot No. 16

Area: 2 Acres

Date: 7/9/35

Mean Percent	Species												
	G.B.	Pop.	H.M.	W.P.	R.M.	W.A.	B.C.	P. C.	Apple				
Composition	60	25	2	3	2	1	2	4	1				
Defoliation	87	100	50	87	50	0	25	75	100				

Slope: Gentle south

Sizes: 1"-5"

Remarks:

Location: Federation Forest near Power line, Petersham, Mass.

Plot No. 17

Area: 10 acres

Date: 7/16/35

Mean Percent	Species												
	W.O.	R.O.	G.B.	R.M.	W.P.	P.B.	B.C.	Chest.	W. Haz.				
Composition	40	40	10	5	1	1	1	1	1				
Defoliation	87- 100	75- 100	75+	12-25	50	50-75	25	25-30	100				

Slope: Ridge top

Sizes: 2"-10"
Few larger oaks.

Remarks: Overstory almost entirely oak.

Location: Charles Buel's Land, Petersham, Mass.

Plot No. 18

Area: 1 Acre

Date:

Mean Percent	Species													
	G.B.	R.M.	Pop.	B.Ch.	R.O.	P.B.								
Composition	80	2	15		2	T								
Defoliation	100*	25	100*		100	75								

* Partly refoliated.

Slope: Level

Sizes: 1"-2"

Remarks:

Location: Back of Village Dump, Petersham, Mass.

Plot No. 19

Area: 3 Acres

Date: 7/16/35

Mean Percent	Species										
	G.B.	R.M.	R.O.	W.P.	W.O.						
Composition	80	3	1	15	5						
Defoliation	100*	50	50	25- 100	87						

*Defoliated

Slope: Level

Sizes: 1"-4"

Remarks:

Location: Catholic Church Curve, Petersham, Mass.

Plot No. 20

Area: 1/4 acre

Date: 7/3/35

Mean Percent	Species												
	G.B.	Aspen	W.P.	B.C.	Alder	W.A.	R.O.						
Composition	80	5	5	2	2	2	2						
Defoliation	100	100	50	25	75	0	50						

Slope: Aspect E - 10% slope

Sizes: 2"-4"

Remarks:

Location: East Street, Petersham, Mass.

Plot No. 21

Area: 1 Acre

Date: 7/16/35

		Species											
Mean Percent	G.B.												
Composition	100												
Defoliation	100												

Slope: Flat

Sizes: 1"

Remarks: Absolutely complete stripping.

Location: Baldwin House, Petersham, Mass.

Plot No. 22

Area: 1 $\frac{1}{2}$ acre

Date: 7/3/35

		Species											
Mean Percent	G.B.	Pop.											
Composition	98	2											
Defoliation	75	100											

Slope: Aspect- Level - Swamp

Sizes: 2"-5"

Remarks:

Location: Dugway Road, Petersham, Mass.

Plot No. 23

Area: 1/2 Acre

Date: 7/16/35

Mean Percent	Species												
	G.B.	W.P.	Pop.	R.M.	W.A.	R.O.							
Composition	90	2	5	1	1	1							
Defoliation	87*	87- 100	100	50	0	100							

*Refoliated

Slope: Westerly

Sizes: 1"-5"

Remarks:

Location: Old Broderick Place, Near Town Farm, Petersham, Mass.

Plot No. 24

Area: 1/2 acre

Date: 7/10/35

Mean Percent	Species						*							
	G.B.	Pop.	W.P.	Elm	R.M.	B.Ch.								
Composition	65	25	3	3	2	2								
Defoliation	100	100	50	25	25	50								

*Partly refoliated

Slope:

Sizes:

Remarks:

Location: Old Broderick Place near Town Farm, Petersham, Mass.

Plot No. 24B

Area: 1 Acre

Date: 7/10/35

Mean Percent	Species												
	R.M.	G.B.*	Pop.	R.O.	W.A.	W.P.	B.Ch.	P.B.	B.B.	Ald.			
Composition	3	80	5	1	1	5	1	2	1	1			
Defoliation	25	100	100	50	0	25-100	75*	50	50	87			

*Partly refoliated

Slope:

Sizes: 1"-8" (ave.-3")

Remarks:

Location: Old Broderick Place, Petersham, Mass. Type: C

Plot No. 24C

Area: 2 Acres

Date: 7/9/35

Mean Percent	Species												
	Pop.	R.O.	W.P.	B.Ch.	P.C.	P.B.	G.B.	R.M.					
Composition	50	3	10	3	10	3	20	1 clump					
Defoliation	100	100	25- 100	50	50- 75	25	100	50					

Slope:

Sizes:

Remarks:

Location: Old Broderick Place, Petersham, Mass.

Plot No. 24D

Area: 1/2 acre

Date:

Mean Percent	Species												
	G.B.	Pop.	R.O.	B.B.	P.Ch.	W.P.	R.M.	H.M.					
Composition	85	1	1	5	1	1	5	1					
Defoliation	100*	100	100	87	25	100	25	25					

*Partly refoliated

Slope: Eastern - shallow soil

Sizes:

Remarks:

Location: Amsden's 4 corners, Petersham, Mass.

Plot No. 25

Area: 2 acre

Date: 7/16/35

Mean Percent	Species												
	G.B.	W.P.	W.A.	Pop.	Elm	R.M.	R.O.	Hick.	Apple	W.O.	Butt.	H.M.	P.C.
Composition	30	35	1	25	1	1	1	1	1	1	1	1	1
Defoliation	87- 100*	50- 100	0	100*	25	12	100	25	100	100	0	12-25	25

*Refoliation

Slope: Southwesterly

Sizes: 1"-8"

Remarks: Wilt common - Starved out.

Location: Simes Lot, Petersham, Mass.

Plot No. 26

Area: 10 Acres

Date: 7/16/35

Mean Percent	Species											
	W.O.	R.O.	R.M.	B.B.	P.B.	W.P.	Hic.	W.A.	W.Haz.	Butt.		
Composition	45	35	10	3	1	2	T	T	T	T		
Defoliation	87- 100	50- 87	25-50	50-87	75- 100	0-87	87	0	100	0		

Slope: Easterly

Sizes: 3"-10"

Remarks: Overstory of Oaks

Location: Federation Forest, Petersham, Mass.

Plot No. 27

Area: 1 Acre

Date: 7/16/35

Mean Percent	Species													
	G.B.	Pop.	W.P.	R.M.	R.O.	W.A.	Hic.	P.C.						
Composition	45	10	15	5	20*	2	2	1						
Defoliation	75- 100	75- 100	50- 100	50- 87	87- 100	0	25-87	50						

*Several large red oaks.

Slope: Westerly

Sizes: 1"-6"

Remarks:

Location: Nichewaug Rd., Petersham, Mass.

Plot No. 28

Area: 1 Acre

Date: 7/4/35

Mean Percent	Species										
	G.B.	Pop.	R.O.	Elm	R.M.	W.P.	Ald.	Hic.	Sumach		
Composition	45	20	10	1	10	1	10	1	2		
Defoliation	100	100	87	25(?)	12	100	100	25	0		

Slope: level

Sizes: 1"-15"

Remarks:

Location: Bryant Rd., Petersham, Mass.

Plot No. 29

Area: 1/2 Acre

Date: 7/17/35

Mean Percent	Species												
	G.B.	W.A.	W.P.	R.O.	W.O.	Beech	B.C.	Apple	Pop.	Ald.	B.B.		
Composition	75	1	2	10	2	1	2	1	2	2	2		
Defoliation	100*	0	50-87	87- 100	100	100	25	100	100	100	75		

*Refoliating

Slope: Small knoll

Sizes: 1"-4" except old roadside trees

Remarks: ~~Small trees~~
Oaks and beech large roadside trees

Location: Nichewaug Rd., Petersham, Mass.

Plot No. 30A

Area: 2 Acres

Date: 7/9/35

Mean Percent	Species												
	G.B.	P.C.	W.P.	W.A.	R.M.	H.M.	B.C.	Butt.					
Composition	90	1	4	1	1	1	1	1					
Defoliation	87	50	75	0	25	25	50	0					

Slope: Level

Sizes: 1"-5"

Remarks:

Location: Nichewaug Rd., Petersham, Mass.

Plot No. 30B

Area: 2 Acres

Date: 7/11/35

Mean Percent	Species											
	Pop.	G.B.	R.O.	B.Ch.	P.Ch.	Apple	Sum.	R.M.	Shad.	H.M.	Dgwd.	Haw.
Composition	35	40	10	5	1	1	2	1	1	2	1	1
Defoliation	100	100	87-100	50	50	100	0	50	100	50	0	100

Slope: Gently western

Sizes: 1"-5"

Remarks:

Location: Town Line, Barre-Petersham, Mass.

Plot No. 31

Area: 1 Acre

Date: 7/17/35

Mean Percent	Species													
	B.G.	Sum.	H.M.	G.B.	W.P.	B.C.	W.A.	Pop.	B.B.	R.M.	R.O.	W.O.	P.P.	Apple
Composition	5	2	1	40	15	4	5	5	2	2	10	4	1	4
Defoliation	100	0	50	100*	100	100!	0	100*	87	50	87- 100	100	50	100

*refoliation

! " following tent caterpillar

Slope: Easterly

Sizes: 1"-6" except for large oaks

Remarks: Very large oaks present

Location: Nichewaug Rd., Petersham, Mass.

Plot No. 32

Area: 1 Acre

Date: 7/9/35

Mean Percent	Species												
	G.B.	Pop.	W.P.	W.A.	Hic.	R.O.*	W.O.*	B.C.	R.M.				
Composition	20	10	10	10	10	15	15	5	5				
Defoliation	87	100	75	0	12-25	75 [†]	75	50	25				

*Small saplings

Slope: Gentle south slope

Sizes: 1"-2" Hc.

Remarks:

Location: Harry Worcester Smith, Property, Petersham, Mass.

Plot No. 33

Area: $1\frac{1}{8}$ Acres

Date: 7/4/1935

Mean Percent	Species												
	G.B.	Pop.	R.O.	R.M.	Elm.	P.C.	W.B.						
Composition	70	20	5	2	1	1	1						
Defoliation	75	87	75	12	0	50	25						

Slope: W - 5%

Sizes: 3"-12"

Remarks:

Location: Hill back of Conner's Pond, Petersham, Mass.

Plot No. 34

Area: 2 Acres

Date: July 4, 1935

Mean Percent	Species													
	G.B.	W.P.	R.O.	Pop.	P.P.	B.C.								
Composition	30	40	12	15	2	1								
Defoliation	50	62 (25-10)	87	100	0	50								

Slope: W - 5% gradient

Sizes: 2"-13"

Remarks:

Location: Federation Forest, Petersham, Mass.

Plot No. 35

Area: 1/2 Acre

Date: 7/16/35

Mean Percent	Species											
	W.P.	Elm	Pop.	Apple	Ald.	G.B.	P.C.	Ash	B.B.			
Composition	2	1	1	2	90+	1	1	1	1			
Defoliation	25-75	12	100	100	100	75	50	0	50			

Slope: Alder swale

Elm-

Sizes: 1/2" in diameter

1"-2"

Remarks:

Location: Soapstone Hill - Federation Forest, Petersham, Mass.

Plot No. 36

Area: 50 Acres

Date: 7/16/35

Mean Percent	Species												
	W.O.	R.M.	G.B.	R.O.	W.P.	B.B.	P.B.	Chest.	Pop.				
Composition	30	20	15	30	1	1	1	1	1				
Defoliation	37- 100	25- 50	37- 100*	75- 100	50	75-87	50-87	50-75	100*				

*Refoliation

Slope: Northeasterly

Sizes: 1"-5" aside from scattered overstory of large oaks
up to 2'

Remarks:

Location: Moccasin Brook, Petersham, Mass.

Plot No. 37

Area: 1/2 acre

Date: 7/17/35

Mean Percent	Species									
	G.B.	W.P.	R.M.	Pop.						
Composition	50	7	3	40						
Defoliation	100*	75- 100	12	100*						

*Refoliating

Slope: Medium to East

Sizes: 3/4" Pines smaller 1-3

Remarks: There is a pocket of grey birch and poplar surrounded by large white pine to northwest and mixed hardwoods to north. The small white pines in the 1/2 acre are pretty well defoliated.

Location: Monson Turnpike near Stiles 4 Corners, Petersham, Mass.

Plot No. 38

Area: 15 Acres

Date: 7/16/35

Mean Percent	Species											
	W.O.	R.O.	G.B.	B.B.	Chest.	R.M.	Hem.	P.P.	Pop.	W.P.	P.B.	B.C.
Composition	40	35	15	1	1	2	1	1	1	1	1	1
Defoliation	100	100	100*	100	25	25-50	25	50-75	100	50- 100	100	12

*Refoliating

Slope: Ridgetop

Sizes: ~~size~~ 2"-6"

Remarks: Dry, rocky ridge.

Location (None noted)

Plot No. 39

Area: 5 acres

Date: 7/11/35

Mean Percent	Species										
	G.B.*	W.P.	P.P.	Hem.							
Composition	95	3	1	1							
Defoliation	100	100	100	100							

*Partly refoliated

Slope: Western

Sizes: 2"-5"

Remarks: This area bordering on pasture completely stripped.
High mortality from wilt - over 50%.

Location: Poplar Camp, Petersham, Mass. - Both sides road

Plot No. 40

Area: 5 Acres

Date: 7/10/35

Mean Percent	Species									
	G.B.	Pop.	P.P.	R.O.	B.Ch.	W.P.	Amel.	R.M.		
Composition	75	20		1%	1	1	1	1		
Defoliation	100	100		100	50	100	100	75		

Slope:

Sizes:

Remarks:

Location: Poplar Camp, Petersham, Mass.

Plot No. 41A

Area: 2 Acres

Date: 7/10/55

Mean Percent	Species												
	Q.B.*	Butt.	Pop.	R.O.	B.Ch.	W.P.	Apple	P.B.					
Composition	75	2	2	2	2	15	2	none					
Defoliation	87- 100	0	100	87	25	50-100	100	none					

*Partly refoliated

Slope: Easterly

Sizes: 1"-7"

Remarks:

Location: Poplar Camp Region, Petersham, Mass.

Plot No. 41B

Area: 20 Acres

Date: 7/10/35

Mean Percent	Species										
	G.B.	R.M.	W.P.	W.A.	R.O.						
Composition	87	3	5	1	4						
Defoliation	100	25	50-100	0	50-100						

Slope:

Sizes:

Remarks: These trees occupy a ridge.
Gray birch averages about 3" D.B.H.

Location: Poplar Camp, Petersham, Mass.

Plot No. 42

Area: 4 acres

Date: 7/10/35

Mean Percent	Species												
	G.B.	Pop.	W.P.	R.M.	B.Ch.	W. A.	P.Ch.						
Composition	70	20	5	2	1	1	1						
Defoliation	100*	87	25-87	12	12	0	25						

*Partly refoliated

Slope: East

Sizes:

Remarks:

Location: Monsen Turnpike, near Dana town line - Petersham, Mass.

Plot No. 43

Area: 5 acres

Date: 7/16/35

Mean Percent	Species												
	Pop.	W.C.	R.C.	R.M.	W.P.	P.B.	G.B.	W.Haz.	B.B.	H.M.	Chest.	W.A.	Hic.
Composition	10	20	10	15	5	1	30	4	1	1	1	1	T
Defoliation	100	75- 100	75- 100	25-50	50- 100	75	87- 100*	87	87	25	25	0	50

Slope: Westerly

Sizes: 1"-12"

Remarks: Overstory - Oaks, G.B. and Pine

Location: New Salem Road near Town Line, Petersham, Mass.

Plot No. 44

Area: 1/2 Acre

Date: 7/16/35

Mean Percent	Species										
	Pop.	W.O.	R.O.	W.P.	R.M.	G.B.	W.A.	Chest.	X B.		
Composition	65	15	5	2	5	5	1	1	1		
Defoliation	100	50-75	25- 87	25-50	12- 25	75	0	25-50	0		

Slope: Slightly southwest

Sizes: 2"-8"

Remarks: Overstory - Pop. and R.O.
Understory - Chest., R.M., W. O., W. P.

Location: 1/2 M South Amadens 4 Corners
S Petersham, Mass.

Plot No. 45

Area: 10 Acres

Date: 7/15/35

Mean Percent	Species								
	P.B.	R.M.	Dgwd.	R.O.	B.B.	W.A.	W.O.	Amel.	
Composition	20	20	1	50	5	1	2	1	
Defoliation	75- 100	12- 25	0	75-100	87	0	75- 100	100	

Northeast

Slope:

2-8"

Sizes:

Remarks: Pine - Common as advanced reproduction.

Location: Woolsey Lane, Petersham, Mass.

Plot No. 46

Area: 2 acres

Date: 7/16/35

Mean Percent	Species												
	G.B.	W.P.	Apple	H.M.	Pop.								
Composition	80	15*	1	2	2								
Defoliation	87*	25-100	100	12	100								

*Refoliation

Slope: Level

Sizes: 2"-6"

Remarks:

Location: Near Julia Smith's , Petersham, Mass.

Plot No.

Area: ?

Date: 47

7/10/35

Mean Percent	Species													
	G.B.	Pop.	P.B.	W.A.	R.M.	W.P.	Apple	Will.						
Composition	90	2	1	2	2	1	1	1						
Defoliation	100	100	12	0	12	50	100	82						

Slope: Gentle western

Sizes: 2-4"

Remarks:

Location: Chimney Hill Farm, Petersham, Mass.

Plot No. 48

Area: 1 acre

Date: 7/17/35

Mean Percent	Species													
	G.B.	Pin Ch.	R.M.	H.M.	W.P.	W.A.	B.B.	R.O.						
Composition	70	15	5	1	5	1	1	1						
Defoliation	100*	12	12	0	0-50	10	50	87						

Slope: Medium - East

Sizes: 1-4"

Remarks: A grey birch - pin cherry thicket
This was a hemlock-pine stand; logged about 15-20 years ago.

Location: Dudley Lot (N.E.Box Co.), Petersham, Mass.

Plot No. 49

Area: 10 acres

Date: 7/16/35

Mean Percent	Species												
	Pop.	R.M.	W.P.	G.B.	Elm	B.C.	Will.						
Composition	45	2	5	45	1	1	1						
Defoliation	100*	50	75	100*	25	25-50	100						

*Refoliating

Slope: Slight northerly

Sizes:

Remarks: Pine understory

B.C. "

R.M. "

Heavy wilt

Location: Near Anaden House, Petersham, Mass.

Plot No. 50

Area: 1 Acre

Date: 7/17/35

Mean Percent	Species												
	G.B.	W.P.	R.M.	Ald.	Elm	Bass.	W.A.						
Composition	75	2	15	5	1	1	1						
Defoliation	100*	75-87	25	100	25	100	0						

*Refoliation

Slope: Flat

Sizes: 1"-5" - Few larger roadside trees

Remarks:

Location: Poplar Camp, Petersham, Mass.

Plot No. 51

Area: 3 Acres

Date: 7/10/35

Mean Percent	Species												
	Pop.	G.B.	W.P.	P.Ch.	B.Ch.	R.O.	R.M.						
Composition	80	10	5	1	1	1	2						
Defoliation	100	100	100	50	50	100	25						

Slope:

Sizes:

Remarks:

Location: Nichewaug Rd., Petersham, Mass.

Plot No. 52A

Area: 1 Acre

Date: 7/17/35

Mean Percent	Species											
	Pop.	R.O.	Butt.	W.P.	G.B.	Apple	B.Ch.	W.A.	Chest.			
Composition	80	2	T	10	2	T	T	2	T			
Defoliation	87-100	50-87	0	0-75	100	100	0	0	12			

Slope: Flat

Sizes: Overstory - 4-10"; rest 1"-3"

Remarks: Poplar Red Oak Poplar. Some refoliated on Poplar

Location: Nichewaug Rd., Petersham, Mass.

Plot No. 52B

Area: 2 Acres

Date: 7/17/55

Mean Percent	Species											
	Pop.	W.	P.	B.Ch.	H.A.	P.B.	PinCh.	R.M.	R.O.			
Composition	60	30	2	T	T	2	2	T	2	T		
Defoliation	100*	0-50	0	0	87	0	12	75				

*Some refoliation

Slope: South to West

Sizes: Overstory 95% Poplar - 4"-8" Pine 1"-4"
Rest undergrowth 1"-4"

Remarks: The bigger percentage of pine has meant there is less injury as a whole in this area.

Location: Dana Road, Petersham, Mass.

Plot No. 53

Area: 1/4 Acre

Date: 7/17/35

Mean Percent	Species										
	W.A.	Pop.	R.O.	B.B.	R.M.	G.B.	W.P./	Hem.	W.O.	Chest.	Hick.
Composition	T	70	2	5	3	10	5	T	T	T	T
Defoliation	0	75- 100*	25-50	12-75	0-12	50	0-25	0	50	25	12

* Trace of refoliation on Poplar

Slope: East

Sizes: Poplar overstory 4-6" - Rest 1-4"

Remarks:

Location: Back of Carter Rims, Petersham, Mass.

Plot No. 54

Area: 1/2 Acre

Date: 7/11/35

Mean Percent	Species											
	Pop.	Hic.	R.G.	B.Ch.	W.P.	R.M.	W.A.	Elm	H.M.	Beech		
Composition	30	1	30	10	10	10	5	2	1	1		
Defoliation	100	0	75-100	12	25- 100	12	0	0	12	100		

Slope: Flat

Sizes: 1"-8"

Remarks:

Location: Choate Estate, above River, Petersham, Mass.

Plot No. 55

Area: 1 Acre

Date: 7/17/35

Mean Percent	Species								
	W.O.	R.O.	W.P.	Hick.	B.B.	Hem.	W.A.	R.M.	
Composition	80	50	5	1	1	1	1	1	
Defoliation	87	87	0-75	50	12-50	0	0	12	

Slope: Southern

Sizes: 3-9"

Remarks:

Location: Near Church Place, Choate Estate, Petersham, Mass.

Plot No. 56A

Area: 15 Acres

Date: 7/17/35

Mean Percent	Species										
	Pop.	R.O.	W.O.	G.B.	R.M.	W.P.	B.Ch.	Hazel.	Thorn Apple	Apple	Amel.
Composition	40	2	3	40	3	5	3	T	T	T	T
Defoliation	87-100	87- 100	87- 100	100*	0-12	25- 87	0	50	100	100	100

* Some refoiation on the Poplar and birch

Slope: North - medium

Sizes: 1-5" - A few large red maples and black cherries form the actual overstory

Remarks:

Location: Phillipston's Rd. towards Poplar Camp, Petersham, Mass. Plot No. 57

Area: 1/2 acre

Date: 7/10/35

Mean Percent	Species										
	R.O.	G.B.	P.Ch	B.Ch.	W.P.	R.M.	W.O.	Hem.	Chest.		
Composition	20%	35	2	2	5	30	2	2	2		
Defoliation	75- 100	100*	50	25	25	25-50	100	T	50		

Slope:

Sizes: 1-3"

Remarks:

Location: Phillipston's Rd., Petersham, Mass.

Plot No. 58

Area: 1 acre

Date: 7/10/35

Mean Percent	Species										
	G.B.	Pop.	P.B.	R.O.	W.A.	R.M.	Elm	Apple			
Composition	80	10	3	2	2	1	1	1			
Defoliation	100	100	75	100	T	50	50	100			

Slope:

Sizes:

Remarks: Main road bisects plot. Red Oaks and ashes are roadside trees - also elm.

Location: On Road off East Street, Petersham, Mass.

Plot No. 59

Area: 1/2 acre

Date: 7/11/35

Mean Percent	Species												
	R.O.	G.B.	B.Ch.	Pop.	Apple	Butt.	R.M.						
Composition	30	40	5	10	3	2	10						
Defoliation	87- 100	100*	25	100	100	12	T						

*Partly refoliated

Slope: flat

Sizes: 1-20" (large roadside trees and small hedgerow trees)

Remarks: Around stone walls at old homestead.

Location: On Road of East Street, Petersham, Mass.

Plot No. 60

Area: 1 Acre

Date: 7/11/35

Mean Percent	Species												
	G.B.	W.P.	R.O.	W.H.	Apple	B.Ch.							
Composition	85	5	5	1	3	1							
Defoliation	100	50-75	50-100	0	100	25							

Slope: Practically flat

Sizes: 2"-4"

Remarks:

Location: Near Bud Russel Home, Petersham, Mass.

Plot No. 61

Area: 3/4 acre

Date: 7/11/35

Mean Percent	Species												
	Ald.	B.C.	Pop.	G.B.	Elm	Butt.	Apple	W.P.	Shad.	R.O.			
Composition	40	1	1	40	8	1	1	5	1	1			
Defoliation	50-100	25-50	100	100	0	0	100	12	50	50-100			

Slope: Gently eastern

Sizes: 2"-12"

Remarks:

Location: Hardwick, Road, Petersham, Mass. - Hedgerow

Plot No. 62

Area: 1 acre

Date: 7/9/35

Mean Percent	Species												
	G.B.	P.C.	Apple	R.M.	W.A.	H.M.	Dgwd.						
Composition	90	5	1	1	1	1	1						
Defoliation	87	25	100	12	0-12	25	0+						

Slope: Gentle westerly slope

Sizes: 1"-3"

Remarks:

Location: Petersham-Phillipston Town Line, Mass.

Plot No. 63

Area: Prospect Hill Road - 1 Acre

Date: 7/11/35

Mean Percent	Species												
	G.B.	P.Ch.	W.P.	R.O.	Pop.	R.M.	H.M.	W.A.	B.Ch.				
Composition	70	1	10	3	5	4	5	1	2				
Defoliation	100	50	50- 100	50- 100	100	25	0-12	0	50				

Slope: Size about 6", excepting some large roadside hard maples

Sizes:

Remarks: Gray birch in solid clump and other species alongside road.

Location: On road by Tom Swamp Pond, Petersham, Mass.

Plot No. 64A

Area: 1/2 Acre

Date: 7/11/35

		Species											
Mean Percent	Pop.												
Composition	100												
Defoliation	87-100												

Slope: Nearly flat

Sizes: 4"-8" (Pop.)

Remarks:

Location: West side Tom Swamp Pond, Petersham, Mass.

Plot No. 64B

Area: 1/4 acre

Date: 7/11/35

		Species											
Mean Percent	Pop.												
Composition	100												
Defoliation	0-100												

Slope: Eastern

Sizes: 6"-12" (poplar)

Remarks: Poplar comprises 100% of overstory.

Location: Munson Turnpike, Petersham, Mass.

Plot No. 65

Area: 1/2 Acre

Date: 7/16/35

Mean Percent	Species											
	R.O.	W.O.	R.M.	G.B.	Beech	W.P.	P.P.	Hem.	P.C.	W.A.	Chest.	
Composition	15	25	10	40	2	3	1	1	1	1	1	
Defoliation	87- 100	100	12- 25	100*	100	-100	50	75-87	50-75	0	50	

*Refoliation

Slope: Northerly

Sizes: 1"-9"

Remarks: Overstory of oak; one large W.O. in center

Location: Ganson's Plantation, Petersham, Mass.

Plot No. 66

Area: 2 acres

Date: 7/11/35

Mean Percent	Species											
	G.B.	Pop.	W.P.	P.Ch.	R.M.							
Composition	80	15	3	1	1							
Defoliation	87- 100	87- 100	25-50	25	12							

Slope: Flat

Sizes: 2"-5"

Remarks: The G.B. and Pop. was not all stripped and as a result the other species received only slight defoliation.

Location: Monroe Tract -Town Forest, Petersham, Mass. (Roadside)

Plot No. 68

Area: 1/4 acre

Date: 7/15/35

Mean Percent	Species													
	W.O.	G.B.	Pop.	B.Ch.	W.P.	Amel.	Chest.	R.M.						
Composition	45	10	25	15	1	1	1	1						
Defoliation	50-100	87- 100	100	25	87	100	12	87						

Slope:

Sizes: Roadside trees 6-18"

Remarks: Understory - 1"-3"

Location: Birch Drive, Petersham, Mass.

Plot No. 69

Area: 3 acres

Date: 7/15/35

Mean Percent	Species										
	G.B.	W.P.	R.M.	W.A.	Hic.	R.O.	W.O.	Chest.	Haw.	P.Pine	P.Ch.
Composition	80	3	T	T	T	5	5	T	T	T	T
Defoliation	100*	25- 100	25	0	12- 87	75-87	87	50	100	25	12

*Partly refoliated

Slope:

Sizes:

Remarks:

Location: Corner West road and Birch Drive, Petersham, Mass.

Plot No. 70

Area: 1 acre

Date: 7/15/35

Mean Percent	Species												
	W.O.	R.O.	Hic.	W.P.	Pop.	B.B.	G.B.	Ash	R.M.	H.M.			
Composition	30	25	5	20	5	3	5	T	5	T			
Defoliation	75- 100	50- 100	50- 100	25- 100	100	87	50	0	50	0			

Slope: South

Sizes: 1" up to large roadside trees

Remarks:

Location: West Road near Amsden's 4-corners, Petersham, Mass.

Plot No. 71

Area: 1/2 acre

Date: 7/15/35

Mean Percent	Species													
	R.O.	Hic.	R.M.	Amel.	B.Ch.	W.P.	Pop.	W.O.	P.Ch.	Chest.				
Composition	45	3	5	1	2	4	2	35	2	T	T			
Defoliation	100	12-87	50	100	50	50- 87	100	100	50	50				

Slope: Southern

Sizes: 2"-8"

Remarks:

Location: Nichewaug Road, Petersham, Mass.

Plot No. 72

Area: 1 acre

Date: 7/9/35

Mean Percent	Species												
	G.B.	W.P.	R.M.	Elm	W.A.	Apple	Y.B.	B.B.	Ald.				
Composition	85	7	1	1	1	1	1	2	1				
Defoliation	87	75	25	12	0	100	25- 75	25- 75	75				

Slope:

Sizes:

Remarks:

Location: Monson Turnpike, Petersham, Mass.

Plot No. 73

Area: 1/2 acre

Date: 7/15/35

Mean Percent	Species												
	G.B.	W.P.	R.M.	W.A.	R.O.	Pop.	Hazel.						
Composition	60	15	20	T	T	T 2	T						
Defoliation	87	50-87	25-50	0	50-87	100	75						

Slope: Northeast

Sizes: 2"-8"

Remarks:

Location: Monson Turnpike near Amsden's 4 Corners, Petersham, Mass. Plot No. 74

Area: 5 acres

Date: 7/16/35

Mean Percent	Species										
	W.O.	R.O.	W.P.	R.M.	B.B.	C.B.	P.P.	Hem.	W.A.	Chest.	Hick.
Composition	40	25	15	5	5	1	1	1	1	1	5
Defoliation	100*	100	50-100	25- 75	50- 100	100	50	100	0	50	87

*Refoliating

Slope: Southerly

Sizes: 2"-12"

Remarks: