

Cale Damage 31st Jan 1953

With regard to the above storm the following general observations are first made
On the morning of 31/1/53 a neat gale was blowing at daylight with heavy snow blizzards and drifting. The gale increased in velocity and at the highest peak of the storm i.e. 11 to 12 PM with 12.30 the time of highest velocity I would put the wind gauge then at over 100 miles per hour, which is only a guess as there are no instruments, which is a pity to record wind.

It was noted that in the P36 NS plantations the soil seemed to be literally on the move as with every gust the whole ground surface lifted, and I am convinced that if the locality of the NS had not been slightly favoured the whole lot would have collapsed.
Note I am surprised that NS are planted without a fringe of J.L or Birch to blunt the edge of such gales. Most of the NS were blown on road and side sides in P36. On the whole these compartments got off fairly lightly but the whole root system in these compartments must be slackened.

During the storm I would say NS were most easily blown, and in order of weakness SP, EL, SS and J.L and H.L last. Many of the mature NS were snapped across, and in this case most of the trees are lying at right angles to the general direction of the wind, which was almost N.W. This is not surprising as whirlwinds were noticed.

A Comp. 44, 49, 50 These consisted of fair quality Lark + SP. scrub not known as a result of which some 300 trees were uprooted or broken.
~~EL & SP~~ EL & SP = EL 1000 cft. SP 677

A. Comp. 53 and 56 good quality Reg. SP about 60 years recently thinned ~~at~~ 193 trees blown mainly uprooted in strips, it would be about 716 cft

A Comp. 21 This compartment is the worst as there was a covering of NS EL, SP over 3-4 acres. The trees are more or less mature, and a great many NS were snapped across or thrown in heaps. This part looks more like bomb damage than wind-blow. ^(many to twenty of low cuts get blown down but estimate at NS 4000 cft SP 1500 cft EL 600 cft)

A Comp. 19 a strip of naturally (named) SP more or less mature about 30% blown in lower half of strip. EL 700 cft NS 500 cft SP 400 cft

The Lark in plantations in thinner strips Relatively small damage mostly individual trees of EL and J.L. The recently thinned J.L. very minor damage.

C Plantation in third stage a fair amount of damage to NS 736
 Comp 1, 2, and 3. Many small groups along road and roadsides and
 scattered trees a fair percentage a nippled across a good deal leaning and
 blown scattered trees approximately 400 trees all well estimated 800 cft.
 These compartments stood up well and at the height of the gale expected to
 see a total collapse, and was glad there had been no thinning as yet
 in these compartments.

D Many leaned individual trees and groups of trees in most compartments
 NS and SS mostly affected with EL a close second

Estimated Total cubic contents blown:

EL. 1748	1748
SP 3215	3215
NS 4,450	4,450
Total 3565	9,413

Actual Sales 12,808	1953
164	1954
12972	

9 3 13
 12 8 3
 130
 12 8 3
 130
 12 8 3
 130

SP. Millwood = 423 cuft.
 SP. fullwood = 145 cuft.
 EL. Millwood = 30 cuft.
 EL. fullwood = 48 cuft.
 Scrubwood = 70

 716 cuft. plus comp. 2 125/15 = 130 cuft.

plus
 587

 1303

193 lines } 716 cuft.
 292 " } 587 cuft.

note 3/2/69:-

5 1/2 acres Blue Blum. bark 21. (old hr)
 16 acres scattered Blum. 85 3 14 53, 56, 4950 (old hr).

Labour

			L	S	D
Truck Haulage	13.300	0 3 1/2	183	10	11
Fell & shed	hr 2 1/2	241	10	5	
Haulage material	hr 2 1/2	124	11	4	
X cut	hr 1 1/2	121	6	6	
Wood & measure 1 1/2 hour at 3/4	43	10	5		
		714	10	1	

Sales Blum. & wage

		hr	cuft
Spine & F.W. Mill Wgs	7262 at 2/8 1/2	948	5 0
hr 5 Crown	2765 at 1/11 1/2	271	9 5
hr 1 1/2 fullwood	1603 at 11 1/2	156	19 3
Land Crown	135 at 135 at 2/3	15	10 6
Land mill Wgs 500 at 3/3		81	5 0
Land P. Wood	327 at 2/3	36	15 0
Fire 6 Ton at 1		6	
		1511	5 9

measuring was by Tonnage conversion to cu ft.
 a profit without overheads of \$796.15.1