

FORESTRY COMMISSION (SCOTLAND)
NORTH EASTERN DIVISION.

FOREST RECORD BOOK

WHITEHAUGH FOREST.

DISTRICT OFFICER'S COPY.

STAFF RECORD.

Forest Whitehaugh.

DIVISIONAL & DISTRICT OFFICERS.

FORESTERS & FOREMEN-IN-CHARGE.

Names.		Dates.	Names.		Grades.	Dates.
D.O.	H.M. Steven	1935	C. McDowall		F'man	1935
Dt.O.	A. Watt <i>T.O.</i>	1935	do.	(promoted)	II	1/10/36
D.O.	F. Scott	1938	W. Mackay	Acting	I	1/1/40
Dt.O.	T.H. Woolridge	1938	F.M. Mitchell	"	II	1942.
Act. D.O.	L.A. Newton	1939	F.M. Mitchell,	"	II	1943.
Dt.O.	I.J. Stewart	1939				
Dt.O.	I. Gillespie	1941				
"	"	1942				
"	"	1943.				
Dt. O.,	I. Gillespie.	1944.	F. M. Mitchell,	Grade	II	1944.
"	"	1945	"	"	II	1945.
"	"	1946	C. Duguid	Grade	II	1/10/39

*W. Duguid**1945**1951**do**II**1/10/36*

Forest Records—Part I. ANNUAL SUMMARY OF OPERATIONS, ETC.

Form R.4.

Forest WhitehaughF.Y. 1935 to 19

FOREST YEAR.	WORK DONE, ETC.		SITUATION (by Compartments).	
	Description.	Acres.	Normal Treatment.	Exceptional Treatment.
35	Clear-felled	5	Acquired, felled by Wm. Robertson	
36	Planting	75.	1, 2, 3	
37	Planting	151.8	3,4,5,6,7,8,9,10 11,12,14.	
	Beating up: P.36 75 ac.		1, 2, 3	
38	<u>Planting:</u>	154	13,14,15,16,17, 18,19,20,21,22, 23.	
	<u>Beating-up:</u> P.37	114.9	4,5,6,7,8,9,10, 12.	
39	<u>Planting</u>	148	15, 22, 23, 24, 25, 26, 27, 28, 29, 30.	
	<u>Beating Up</u> P.36 13 acs) P.38 47 ")	60	1, 2, 3, 15, 16, 19, 20.	
40	<u>Planting</u>	149	31,32,33,35,36,37,38,39.	
	<u>Felling</u>	3.8	11 (T.S.D.)	
	<u>Beating Up</u> P.38 7.1 acs.) P.39 1.6 ")	8.7	16,19,20,21,25,27.	

Forest Records-Part I. ANNUAL SUMMARY OF OPERATIONS, ETC. Form R.4.

F.Y. 19 to 19

Forest Whitehaugh.

FOREST YEAR.	WORK DONE, ETC.		SITUATION (by Compartments).	
	Description.	Acres.	Normal Treatment.	Exceptional Treatment.
41	<u>Planting</u>	104.9	8, 33, 34, 36, 40, 44, 45, 46,	46
	<u>Beating Up.</u>			
	P.40 .5			
	P.37 1.	1.5	11, 32.	
42.	<u>Planting.</u>	83.5	8, 11, 26, 28, 29, 46, 47, 48, 49, 50, 52, 53.	
	<u>Beating Up.</u>	11.		
	P.36 - 5.		1, 27, 30.	
	P.39 - 6.			
	<u>Burnt:</u>	19.5		
	P.37 - 2.1			
	P.38 - 16.8			
	P.39 - .6			
43.	<u>Planting:</u>	78.8	11, 13, 14, 15, 16, 17, 28, 29, 53, 54.	
	<u>Beating Up:</u>	32.5		
	P.39 - 18.			
	P.40 -		8, 26, 27, 28, 30, 33, 34, 45.	
	P.41 - 14.5			
44.	<u>Planting.</u>			
	P.44.	61.9	C.s 51, 52, 53.	
	<u>Beating Up.</u>			
	P.38, 40, 41, 42.	88.6	C.s 15, 16, 17, 19, 20, 21, 31, 33, 34, 45, 50, 11.	
45.	<u>Planting:</u>	18.6	C. 50.	
	<u>Beating Up./</u>			

Forest Whitehaugh.

F.Y. 19____ to 19____

FOREST YEAR.	WORK DONE, ETC.		SITUATION (by Compartments).	
	Description.	Acres.	Normal Treatment.	Exceptional Treatment.
45.	<u>Planting:</u>	18.6	C. 50.	
	<u>Beating Up:</u>	<u>44.7</u>		
	C. 28	10.		
	C. 47	17.		
	C's. 33 & 37	11.2		
	C's. 36 & 39	6.5		
46.	<u>Planting</u>	36.5	57, 56	
	<u>Beating Up</u>			
	F.Y. 42	32.4	28, 29, 46, 47, 48, 3, 2, 1.	
	F.Y. 36	20.9	53.3	

Forest WhitehaughF.Y. 19 35 to 19____FOREST
YEAR.

GENERAL PROCEDURE AND OBSERVATIONS.

- | | |
|----|---|
| 35 | <u>Prep. ground.</u> Whin and broom cut; also S.P. scrub. |
| 36 | <u>Planting.</u> J.L. 1 + 1 and 2 + 1 were used on the higher ground and were mattock planted. E.L. on the drier lower slopes and N.S. on plough or mound on the lower ground.
<u>Weeding.</u> The whole of the area was weeded once and the N.S. was weeded twice. |
| 37 | <u>Prep. Ground.</u> Large areas of whin, broom and scrub S.P. had to be cut and burnt.
<u>Planting.</u> E.L. was used on the lower peat face slopes; a mixture of E.L. and S.P. on the same type but where conditions were poorer; J.L. or H.L. where peat was forming; S.P. on shallow leached soil with P.C. on the worst patches where the turf had been skinned. S.S. on mounds (close drained) in the bog in C.8; N.S. on the flat on grassland. The bulk of the Larches and Pines were mattock planted.
<u>Weeding.</u> The whole area had to be weeded once and part twice largely owing to insufficient screefing on heather ground because of inexperienced labour and the necessity for getting the planting finished in season. |
| 38 | <u>Prep. Ground.</u> Broom, whin and occasional scrub conifers were cut over 45 acs. 48 acs. of old arable ground were ploughed by a 28 H.P. caterpillar tractor using a single furrow plough in C.18 and portions of 22 and 23, and a double furrow plough over the remaining 15 acs. of Cs 22 and/ |

F.Y. 19____ to 19____

Forest WhitehaughFOREST
YEAR.

GENERAL PROCEDURE AND OBSERVATIONS.

- 38 and 23. About 7 acs. of hard Calluna/lichen ground at around 1200' were ploughed with single furrow plough.
- Planting. Principles and methods of P.37 adhered to on unploughed ground. On the ploughed old arable ground in Cs. 18 and 23 N.S. was planted. On ploughed arable ground where Calluna and Juncus etc. were coming in S.S. was used. On 4 acs. of ploughed harder calluna/grass ground in C.22 an even mixt. of S.P. and E.L. was used. On the ploughed Calluna/lichen ground a mixt. of S.S. and S.P. was used as an experiment.
- Weeding. 64 acs. of P.38 required heather weeding and very heavy grass growth on the ploughed arable ground of P.36 required constant attention.
- Beating-up. Has been light and no reason for changing the spp. has become apparent except where E.L. on Calluna/aira flexa ground in P.37 was beaten up with S.P.
-
39. Prep ground. Ploughing of arable ground and peaty calluna ground with tractor and single furrow plough carried out over 109 acres.
- Planting. Apart from 10 acres of mound, planting the plants were all notched in by spade. On old arable of a brown loam, stoney and moist type N.S. was used. J.L. was used on lower calluna slopes with a peaty layer of 3" over a red loam and dry porous soil partially bached. On the upper slopes with a peat layer of 4.5" over a dark stoney loam J.L. and E.L. and S.P. were used on dry situations with S.S. and S.P. on moister sites. Towards the top with a peat layer of 5" over stoney/

F.Y. 19 39 to 19Forest Whitehaugh.FOREST
YEAR.

GENERAL PROCEDURE AND OBSERVATIONS.

39. Planting (Contd). stoney loam, moderately dry and bached a mixture of P.C. and S.S. was used.

Weeding. Grass weeding continues heavy as also does heather weeding in P.38 N.S. and P.36 is practically out of the weeding stage.

Beating up. No change.

40 Prep. Ground. 65 acres ploughing by tractor and single furrow plough had been done in F.Y. 39 and Prep. Ground in this Forest Year was confined to cutting and burning of broom and whins over 36 acres.

Planting. 149 acres planting was done. Principal method employed was notching with garden spade. For allocation of species see Form R.7.

Beating Up. B.U. of P.38 and P.39 plantations done where necessary, the same species being used as in original planting. Density of the B.U. was light.

Weeding. Weeding was required in each P. year. P.36 is out of the grass weeding stage but required cutting out of broom. Little weeding was required in P.37 but P.38 grass and heather areas required further weeding.

Drainage Upkeep. Drains were repaired in P.38 plantation, C.18. A small amount drains upkeep also done in P.39, C's 27 and 29.

Fencing Upkeep. The boundary fence repaired where necessary.

Protection. (i) Fire. 50 chains of new trace was screefed.

Depots kept in order. (ii) Other. Heavy falls of snow necessitated much work clearing snow from fences.

The following were killed during the year:-

49 rabbits, 83 hares, 65 weevil.

F.Y. 19 41 to 19Forest Whitehaugh.FOREST
YEAR.

GENERAL PROCEDURE AND OBSERVATIONS.

41. Prep. Ground. 25 acres cutting S.P, whin and broom.
Drainage: 208 chains new drains mainly C.s 33 and 34.
Planting: 104.9 acres. About 42.3 acres on plough furrow as follows:-
- C.8 = 5.5 (All S.S).
 33 = 12.4 " "
 34 = 3. (2. S.S. and 1. S.P)
 Total - 44 = 9.4 (8.4 S.S. and 1. N.S)
 42.3 46 = 12. (2.S.S, 2.S.P, 2. S.S/SP; 6. S.S/M.P.
 In C.33 about 4. acres S.S, 1. N.S. and .5 P.C. mounded,
 and all species in C.34 on mounds, except where ploughed.
Beating Up. 1.5 acres very light. 1.6 M plants used. See
 P.37 and 40.
Weeding. 188 acres. Grass in P.40 and 41, whin, broom, etc.,
 in P.38 and 39.
-

F.Y. 19 42 to 19Forest Whitehaugh.FOREST
YEAR.

GENERAL PROCEDURE AND OBSERVATIONS.

42. Prep. Ground. 72 acs. clearing scrub, 40 acs. heather burning, 13.5 acs. turfing and 73.5 acs. tractor ploughing for P.43.
- Drainage. 28 chains drain repairs in P.40.
- Planting. 83.5 acs. of which 53.7 acs. previously ploughed and 13.5 acs. on turves.
- Beating Up. 11 acs. and 3.4 m plants. P.36 & 39.
- Weeding. 137.5 acs. Mainly grass. P.38-41 incl.
-
43. Prep. Ground. + 50.5 acs. tractor ploughing for P.44.
29 acs. cutting whins etc., P.43 = 6.
P.44 = 23.
- Drainage. 14 chs. drain repairs in P.40.
- Planting. 78.8 acs. Includes 19.5 acs. R.P. fire; all S.S/S.P. mixture and about 73.5 acs. on plough furrow.
- Beating Up. 32.5 acs. & 19. plants used, P.39-41 incl.
- Weeding. 230 acs. P.36-41 incl. Grass, whin, broom, heather. Also clearing blown sand off plants, P.43.
-
44. Prep. Ground. 32.1 acres ploughed for P.45, etc.
8. acres cutting whins, etc., in C.53 for P.44.
- 10 acres cutting E.L. scrub in C.22.
- Planting. 61.9 acres, entirely S.S/S.P. mixture.
49 acres ploughed.
- Beating Up. 88.6 acres and 37.1 m plants used.
P.38, 40, 41 and 42.
- Weeding. 145 acres grass, whin, etc., P.40 - 43 incl.

F.Y. 1945 to 19 Forest WhitehaughFOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

45.

Planting: 18.6 acres. All SS/SP.Beating Up: 44.7 acres and 30.9 M. plants. P.40 and 42.

46.

Prep. Ground. 68.5 acres cutting and pruning scrub.
36. acres tractor ploughingDrainage. 40. chains new drains - P.46
20. chains drain repairs in P.44Planting. 36.5 acres. Incl. 32. acres S.S./S.P. All on
plough furrow.Beating Up. 79.6 acres and 53.3 M plants. Incl. 23. acres
die back E.L. 18 acres checked S.S. dressed
with phosphate.Weeding. 170. acres. Mostly P.46 and B.U. plants -P.36Cleaning. 47. acres. Cutting whins in P.36, 37.

F.Y. 19 47 to 19 Forest Whitehaugh.FOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

1947.	<u>Prep. Ground:</u> Ploughing 22 acs. - agricultural furrow.
	<u>Drainage:</u> Nil.
	<u>Planting:</u> 29 acs. (S.S. on plough - mainly).
	<u>B.U:</u> P.42, 4 acs.
	<u>Weeding:</u> P.36, 37, 44, 46 & 47, 272 acs. Mostly whins - double cutting of grass, P.47.
	<u>Brashing:</u> Nil.
	<u>Thinning:</u> Nil.

F.Y. 19 48 to 19Forest Whitehaugh.FOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

1948. Prep. Ground: Ploughing 16 acres.
Cutting and burning whins for P.48, 13.5 acs.

Planting: 29.5 acs., mainly S.S.
S.S., Opt. 26, planted in pits previously prepared by mattock.

B.U: P.36, 23.5 acs. (S.S. in Die Back E.L.)
P.47, 2. "

Weeding: P.37, 38, 42, 43, 44, 46 and 47, 343 acs.
Earlier P.Yrs., whins, P.46 and 47, grass.

Drains Upkeep: 602 chains, older P.Yrs.

Brashing: Nil.

Thinning: Nil.

F.Y. 1949 to 19

Forest Whitehaugh

FOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

49

Prep. Ground- 39 acres ploughed.
148 acres whins cut.
90.5 acres screened for Planting.

Fencing- 49 chains 28 chains - P.49
21 chains - Nursery.

Drains New- 6 chains P.49.

Drains Upkeep- 22 chains P.48.

Planting- 53 acres P.49
14 acres burned area planted by
Wattock.

39 acres on plough.

N.S. - 3 acres.

S.S. - 48 acres

J.L. - 2 acres.

Feating Up- 29 acres P.47 - 4.8" plants used
83 acres gone over firming blown
plants.

Weeding- 127 acres P.42,46,47,48. mostly grass

Cleaning- 116 acres P.43. Cutting whins.

F.Y. 1951 to 19____Forest WhitehaughFOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

51

P.51 Heather burned, ploughed (R.L.R.) ground is poor and stoney (C.9/10) hence J.L. only planted.

In C.21 D.P. was planted in groups in the remnants of the old crop: In the old woodland (C.21) selection of species was S.P. with 1 E.L. to 4 S.P.

P.48 - 50 Beating up.

Beating up was done with the original species in P.48 - 50. The degree of beating up was light.

P.43 - 48 Weeding.

A light (grass) weeding was carried out in the area replanted after the fire.

In C.21 P.51 heather was cut round the plants.

F.Y. 19____ to 19____

Forest WHITTHAMUGHFOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

53 No planting or prep ground.

BEATING UP :- Compt. 1 - 4, P36 & 37.

Anderson groups of JL were introduced into holes caused by dieback in the RL. Due to a protracted spring drought 90% of the JL plants failed. It will be necessary to beat up again. In Compt. 39 P39; Compt. 32 & 36 P40 SP/3P mixture was beaten up with SP in the lines of 33 to assist in heather suppression and bring up the spruce. In Compt. 46 P41 & 42 and Compt. 47 - 49 P43, JL was used for beating up in the same way and for the same reasons.

WEEDING :- P48 heavy whin weeding carried out. P36/37 areas, grass weeding in areas B.U. (dieback RL)

THINNING :- JL, Compt. 1 - 3 P36, was given a crown thinning to remove wolves and give growing space to better quality trees. In Compt. 53 - 56 1½ acres acquired SP (age 60) were thinned for the first time. After thinning much damage was done by the gale of 31.1.53 which was cleared up. In Compt. 21, 5 acres of mature SP/RL/RL, from which 10,000 cu.ft. were removed up to the end of the F.Y.

F.Y. 19 54 to 19 -Forest Whitehaugh.FOREST
YEAR

GENERAL PROCEDURE AND OBSERVATIONS

54

PLANTING

7 acres above original planting limit planted through old E.L. in groups with P.C. and J.L. and manured with 2 oz. G.M.P. Planting by screefing and notching.

BEATING UP

Checked S.S. in Compt. 21 P50 beat up with S.P.

P36 N.S. racked and brashed.

P51. The remnants of a previous crop of N.S., S.P., E.L. over 4 acres (blown by gale of 31.1.53) were cleared up.

WEEDING

P36/37 dieback E.L. B.U. F.Y. 53 was weeded. Growth of grass was extremely vigorous.

Forest Whitehaugh

F.Y. 19____ to 19____

1. Description.

Acquired Plantation

<u>Block</u>	<u>Compt.</u>	<u>Acs.</u>	
Newton	14	3-8	Mainly S.P., few E.L.

2. TreatmentF.Y. 36. Dead & dying trees removed.F.Y. 37. Second cleaning; brushed up.F.Y. 40. Compt. 11. 3.8 acres acquired plantation was clear-felled by T.S.D. for pitwood.

Forest WHITEHAUGH

F.Y. 19__ to 19__

1. Description.

<u>Compt.</u>	<u>Acs.</u>	
1	26.5)	Mainly old arable ground; veg. onion
2	28.0)	couch, <i>dactylis glomerata</i> & other
3	20.5)	grasses, merging into calluna &
		whin/broom at the top.
	75.0	

2. Treatment.

F.Y.36 J.L. used on the high ground where calluna & higher grass slopes; E.L. on the middle slopes & N.S. lower down. J.L. & E.L. mainly mattock planted & N.S. planted on ploughed furrow or mound.

The area was weeded twice.

F.Y.37. 172 acres were weeded; some of the bad grass areas had to be weeded three times. Beating up negligible.

F.Y.38. Weeding over 77 acs. N.S. on old arable ground required weeding twice and in places three times. No Beating-up required.

F.Y.39. Beating up over 13 acres of J.L. with M.P. Weeding over 37 acres.

F.Y. 40 Weeding. Scattered broom was cut out of C's 1, 2 and 3.

F.Y.42. 5 acs. J.L. b.u. with 2.2 m M.P. in C.1.

F.Y.43. 9 acs. cutting whins.

F.Y.46. 23.3 acres E.L. B.U. with 20.9 S.S. and N.S. in C's 1,2,3.

5. acres cutting whins in C.3.

23.3 acres grass weeding beating up plants.

Forest Whitehaugh

F.Y. 19__ to 19__

1. Description.

<u>Compt.</u>	<u>Acs.</u>	
3	5.0	Vegetation broom, whin & grass in
4	12.0	C.5 and lower parts of C's 9 and 12.
5	12.8	Remainder mainly calluna/vaccinium
6	26.2	myrt. and vit. id. Grass in parts
7	11.2	of C's 7 and 8. Patch of
8	18.4	calluna/scirpus/martheicum/sphagnum
9	14.4	in C.8. Calluna/Lichen on higher
10	16.2	flats.
11	20.6	
12	13.0	
14	2.0	
	<u>151.8</u>	

2. Treatment.

F.Y.36. Prep. Ground. Large areas of whin, broom and scattered scrub cut and burned.

F.Y.37. Planting. E.L. was used on the lower peat face slopes; a mixture of E.L. and S.P. on the same type but where conditions were poorer; J.L. or H.L. where peat was forming; S.P. on shallow leached soil with P.C. on the worst patches where the turf had been skinned. S.S. on mounds (close drained) in the bog in C.8; N.S. on the flat on grassland. The bulk of the Larches and Pines were mattock planted.

Weeding. The whole area had to be weeded once and part twice largely owing to insufficient screefing on heather ground because of inexperienced labour and the necessity for getting the planting finished in season.

F.Y.38/

F.Y. 19__ to 19__

Forest Whitehaugh1. Description.2. Treatment.

F.Y.38. Very light beat up over 114.9 acs. E.L. beat up with S.P. in C.11 on hard calluna ground. Otherwise same spp. used for beating up. Weeding over 89.5 acs. mainly heather.

F.Y.39. Weeding over 62 acres.

F.Y.40. Weeding. Broom cut out of C.4. Area involved was 3 acres.

F.Y.41. 1 acre E.L. B.U. with 1. E.L. in C.11.

F.Y.42. .4 S.P. and 1.7 S.S. burnt by fire, 21/4/42.

F.Y.43. 64 acs. cutting whins, etc.

F.Y.46. 42. acres cutting whins in C's 3-6 incl.

F.Y. 19___ to 19___

Forest Whitehaugh

1. Description.

<u>Compt.</u>	<u>Acs.</u>	
13	14.0	) Vegetation mainly Calluna/vaccinium
14	.5	) myrt. and vit. id. with occasional
15	10.0	) whin and broom. Calluna/aira flexa
16	16.6	) in C.17 and Calluna/lichen and mosses
17	24.5	) in C.15.
18	23.5	Old arable land - grasses.
19	14.0	) Pure Calluna with some areas of Calluna,
20	14.6	) airt flexa.
21	9.2	)
22	15.0	) Old arable ground ploughed. Vege-
23	8.1	) tation mainly grasses with Calluna and mosses, etc., coming in.
28.	3.8	Calluna/lichen ground - ploughed.

2. Treatment.

F.Y.38: Prep. Ground. Broom, whin and occasional scrub conifers were cut over 45 acs. 48 acs. of old arable ground were ploughed by a 28 H.P. caterpillar tractor using a single furrow plough in C.18 and portions of 22 and 23, and a double furrow plough over the remaining 15 acs. of Cs. 22 and 23. About 7 acs. of hard Calluna/lichen ground at around 1200' were ploughed with single furrow plough.

Planting: Principles and methods of P.37 adhered to on unploughed ground.

On/

F.Y. 19____ to 19____

Forest Whitehaugh.1. Description2. Treatment (Contd.)

F.Y.38: On the ploughed old arable ground in
Contd. Cs. 18 and 23 N.S. was planted. On
 ploughed arable ground where Calluna and
 Juncus, etc., were coming in S.S. was
 used. On 4 acs. of ploughed harder
 Calluna/grass ground in C.22 an even
 mixt. of S.P. and E.L. was used. On
 the ploughed Calluna/ lichen ground a
 mixt. of S.S. and ~~and~~ S.P. was used as
 an experiment.
Weeding. 64 acs. required heather
 weeding.

F.Y.39. Beating up over 46 acres with same spp.

F.Y.40. Beating Up. 47.4 acres B.U. was done as follows.

C.16	- 5.8 acs.	S.P.	B.U.	with S.P.	1+1+1	- 170	p. acre.
C.16	- 5.8 "	E.L.	"	"	E.L. 2+1	- 170	"
C.19	- 7 "	S.P.	"	"	S.P. 1+1+1	- 140	"
C.19	- 7 "	E.L.	"	"	E.L. 2+1	- 140	"
C.20	- 7.3 "	S.P.	"	"	S.P. 1+1+1	- 140	"
C.20	- 7.3 "	E.L.	"	"	E.L. 2+1	- 140	"
C.21	- 4.6 "	S.P.	"	"	S.P. 1+1+1	- 150	"
C.21	- 2.6 "	E.L.	"	"	E.L. 2+1	- 150	"

Weeding. 33 acres weeded in C's 16,17,18,19.
 Mainly grass and heather areas.

Drainage, Upkeep. 106 chains of drains were
 repaired in C.18.

F.Y.41. 10 acres weeding whin and broom.

F.Y.42. 51 acs. grass weeding.

8.6 S.P., 2.5 E.L., 5.7 J.L., burnt by fire 21/4/42.

F.Y.43. 14 acs. heather and grass weeding.

F.Y.44. 3.5 acres J.L. b.u. with 1.2 S.S. in C.15.
 59.8 acs. E.L./S.P. b.u. with 20.1 S.P.
 in C's 16,17,19,20,21.

F.Y. 1939 to 19Forest Whitehaugh.

1. Description.

<u>Compt.</u>	<u>Acres.</u>	
15	7.8	Calluna, mosses, grass-sparse.
22	14.7)	
23	6.5)	Old arable ground. Grasses, herbs and
24	20.0)	mosses, occasional calluna.
25	24.3)	
26	7.0)	
27	20.1)	Lower slopes mainly Calluna/erica tet
28	8.1)	and Call/vacc. with grasses vars. and
29	11.8)	occasional broom and whin. Upper
30	27.8)	slopes mainly pure calluna with
		occasional vacc., erica cin. and
		grasses. Old arable in C.30 merging
		into sparse call/vacc with grasses
		towards top.

2. Treatment.F.Y.39.

Clearing of whins and scrub S.P. over 40 acres.
Grass weeding over 26 acres.

F.Y.40

Beating Up. 9.7 acres were B.U. as follows.

C.25 - 2.4 acs. E.L. B.U. with E.L. 2+1 - 170 p. acre

C.27 - 7.3 " E.L. B.U. " E.L. 2+1 - 160 " "

Weeding. 36 acres weeding done in C's 24, 25 and 27.

Drainage, Upkeep. 12 chains of drains were repaired in C's 27 and 29.

F.Y.41.

34 acres weeding whin, broom and grass.

F.Y.42.

5 acs. J.L. b.u. with .8 J.L. in C.27.

1 ac. J.L. b.u. with .4 J.L. in C.30.

22 acs. weeding grass, broom, etc.

16 J.L burnt by fire 21/4/42.

Forest Whitehaugh.F.Y. 19⁴³~~23~~ to 19__

1. Description.

F.X.43. 8 acs. E.L. b.u. with 4.9 E.L. in C.s 27,28.
10 acs. N.S. b.u. with 4.6 N.S. in C.s 26,30.
15 acs. weeding whin, broom, grass, etc.

F.Y.45. 46. acres grass and whin weeding.

Forest WhitehaughF.Y. 1940 to 19__

1. Description.

<u>Compt.</u>	<u>Acres</u>	<u>Vegetation</u>	
31	29.5	Aira fl.; Calluna, sparse; Erica cinerea; Luzula sp. Vaccinium Myrtillus, mosses.	
32	18.5	do.	do.
33	6.6	do.	do. (ploughed in part with pure Calluna.)
35	19	do.	do.
36	15.5	do.	do. (Calluna-lichen part ploughed)
37	16	Meadow grasses with sparse Calluna in places. Ploughed.	
38	23.4	Aira flexuosa, Calluna vulgaris, Vaccinium Myrtillus, Luzula sp. mosses.	
39	20.5	Calluna-lichen. Ploughed.	

Allocation of Species.

On ploughed Calluna ground S.S. and an S.P.-S.S. mixture were used with P.C. on the poorest ground. N.S. and S.S. used on ploughed grassland. N.S. used on flush ground, E.L. and J.L. on better mixed vegetation types where dry, and S.S. in moister conditions with some Aira caespitosa present.

2. TreatmentF.Y. 40.

Flush ground was drained and turves later used for mound planting of Spruces.

65 acres tractor ploughing had previously been carried out where practicable in C's 36, 37, 38, 39.

Prep. Ground. Broom and Whins cut over 36 acres.

Weeding. 43 acres weeding done in C's 31, 35, 37, 38.

F.Y. 43. 98 acs. cutting whin, broom, grass, etc.
14 acs. drain repairs.

F.Y. 44. 1 acre N.S. b.u. with 1.5 N.S. in C. 31.
69 acres grass and whin weeding.

F.Y. 19 39 to 19 40Forest Whitehaugh.

1. Description.

- F.Y.39. 65 acres ploughed with tractor and single furrow plough.
- F.Y.41. .5 acres B.U. S.S. with .6 S.S. in C.32.
110 acres grass weeding.
- F.Y.42. 35.5 acs. weeding grass, broom, etc; 28. chs. drains upkeep.
- F.Y.43. 98 acs. cutting whin, broom, grass, etc.
14 chs. drain repairs.
- F.Y. 45. 11.2 acres. SS. B.U. with 1.5 SP and 6.7 SS in C.28.
17 acres SS/SP B.U. with 2. SP and 10.2 SS in C.47.

F.Y. 19 41 to 19Forest Whitehaugh.

1. Description.	Comp.	S.P.	P.C.	M.P.	E.L.	J.L.	N.S.	S.S.	Total.
8.								5.5	5.5
33.			1.			1.5	1.	12.9	16.4
34.		9.5	1.			3.	.5	7.	21.
40.						4.			4.
44.							1.	8.4	9.4
45					7.5	13.1			20.6
46		8.		3.		9.		8.	28.
		17.5	2.	3.	7.5	30.6	2.5	41.8	104.9

Comp.	Acres.	Vegetation.
8.	5.5	Mainly calluna, blaeberry and mosses or calluna
33.	16.4	with juncas or aira caesp., Carex, etc., or crow-
34.	21.	berry and narthecium locally.
40.	4.	Small area of juncas - grass flush.
44.	9.4	Recently felled area with calluna, crowberry and
45.	20.6	blaeberry with more or less grass. Higher up
46.	28.	strong calluna, crowberry, clubmoss, mosses or
	104.9	lichen.

Choice of Species. S.P. & M.P. on hard calluna ground and, if ploughed, mixed with S.S. P.C. on sour narthecium sites. E.L. and J.L. resp. on the more and less grassy, recently felled area above. N.S. on the juncas - grass flush and S.S. on the mixed calluna, juncas, grass sites, usually ploughed.

Treatment: F.Y.41 - 34 acres grass weeding.

F.Y.42. 29. chains grass weeding.

F.Y.43. 7 acs. E.L. b.u. with 5.6 E.L. in C.45.

2 acs. P.C. b.u. with 1.4 S.P. in C.33 and 34.

5.5 acs. S.S. b.u. with 2.5 S.S. in C.8.

10 acs. grass weeding.

F.Y.44. 4 acres E.L. b.u. with .6 E.L. in C.45.

2 acres N.S. b.u. with 3.2 N.S. in C.s 33 and 34.

6 acres S.S. b.u. with 3. S.S. in C.s 33 and 34.

38 acres grass and juncus weeding.

F.Y.46. 9. acres dressed with phosphate in C.46

Forest Whitehaugh.F.Y. 19 42 to 19__

1. Description.	Comp.	S.P.	M.P.	N.S.	S.S.	Total.
	8				1.1	1.1
	11	3.8				3.8
	26				1.6	1.6
	28	3.9			6.1	10.
	29	1.1			1.9	3.
	46	1.0	2.		6.	9.
	47	7.1			14.4	21.5
	48	4.5			3.	7.5
	49	7.		1.	4.5	12.5
	50	3.1			5.4	8.5
	52	1.			2.	3.
	53	.7			1.3	2.
		<u>33.2</u>	<u>2.</u>	<u>1.</u>	<u>47.3</u>	<u>83.5</u>

Comp.	Acs.	Ploughed.	
8	1.1	1.1	Calluna hypnum before ploughing.
11	3.8		Area felled F.Y.40. Now aira flexuosa.
26	1.6	1.6	Aira caes., holcus, etc., on old ploughing.
28	10.	10.	Calluna, carex, etc., coming in on old ploughing.
29	3.	3.	
46	9.	4.	
47	21.5	18.5	Calluna, crowberry, mosses or lichen with occasional grass or clubmoss diffusely. Small area of grass flush.
48	7.5	2.	
49	12.5	-	
50	8.5	8.5	Dry calluna type all ploughed.
52	3.	3.	
53	2.	2.	
	<u>83.5</u>	<u>53.7</u>	

Choice of Species.

SS/SP mixture on ploughing except for small area of SS/MP on exposed hard ground. Pure S.P. on dry unploughed Calluna site. Small block of N.S. on grass flush.

F.Y.44.

8.5 acres S.S/S.P. b.u. with .9 S.P. and 2.4 S.S. in C.50.

3.8 acres S.P. b.u. with 4.2 S.S. in C.11.

10 acres cutting whins.

F.Y.45. 10 acres SS/SP B.U. with 1.5 SP and 6.7 SS in C.28.
6.5 acres PC " 2. SP and 10.2 SS in C.47.
68 acres weeding.

F.Y. 1946 to 19

Forest Whitehaugh

1. Description.

F.Y. 46. 56.3 acres S.S./S.P. B.U. with 32.4 S.S. and S.P. in C's
28, 29, 46-48
9. acres S.S. dressed with phosphate in C. 46

Forest Whitehaugh.

F.Y. 1943 to 19__

1. Description.	Comp.	S.P.	S.S.	Total.
	11	.1	.3	.4
	13	1.8	3.6	5.4
	14	6.7	13.5	20.2
	15	3.1	6.3	9.4
	16	1.7	3.4	5.1
	17	.2	.4	.6
	28	1.1	2.2	3.3
	29	2.1	4.1	6.2
	53	2.	4.9	6.9
	54	7.1	14.2	21.3
		25.9	52.9	78.8

Comp.	Acs.	
11	.4	) This area entirely burned on 21/4/42, including 19.5 acs. plantations, and subsequently ploughed. Aira flex. coming in strongly with vaccinium species locally.
13	5.4	
14	20.2	
15	9.4	
16	5.1	
17	.6	) Ploughed. Originally calluna-hypnum or lichen with occasional vaccinium species or empetrum. Mostly ploughed. Calluna-erica cinerea with patches of hypnum or lichen and vaccinium species. Broom coming in locally.
28	3.3	
29	6.2	
53	6.9	
54	21.3	

Choice of Species. Entirely S.S/S.P. mixture.F.Y.43. 20 acs. clearing down sand off plants.F.Y.44. 28 acres weeding grass, whin, etc.F.Y.45. 68 acres. grass and broom weeding.F.Y.46. 70. acres weeding grass etc.

F.Y. 1944 to 19__Forest Whitehaugh.

1. Description.	Comp.	S.P.	S.S.	Total.	Ploughed.
	51.	7.5	15.2	22.7	22.7
	52.	7.3	14.5	21.8	19.8
	53.	5.8	11.6	17.4	6.5
		<u>20.6</u>	<u>41.3</u>	<u>61.9</u>	<u>49 acres.</u>

Comp.	Acs.
-------	------

51.	22.7	} Calluna-hypnum or lichen with cowberry, empetrum, and occasional aira flex. Occasional broom.
52.	21.8	
53.	<u>17.4</u>	
	<u>61.9</u>	

Choice of Species. Entirely S.S/S.P. mixture.

F.Y. 19 45 to 19__Forest Whitehaugh.

1. Description.

Comp.	SS/SP	Total	
50	18.6	18.6	Calluna/Hypnum. Ploughed.

F.Y. 1946 to 19__

Forest Whitehaugh

1. Description.

<u>Compt.</u>	<u>S.S./S.P.</u>	<u>J.L.</u>	<u>N.S.</u>	<u>Total</u>	
56	19.	-	-	19.	) Entirely tractor ploughed
57	13.	.5	4.	17.5	
	<u>32.</u>	<u>.5</u>	<u>4.</u>	<u>36.5</u>	

Compt. Acres.

56 19. Calluna with hyprun or lichen. Some grass heath and clumps of whin.

57 17.5 Mainly acid flush with some juncus/grass flush.

Choice of Species. S.S./S.P. on plough furrow on dry and wet heath types, J.L. on grassy margin, N.S. on juncus flush.

Forest WHITEHAUGH

PLANTATION AREA STATEMENT.

Original Area: 75 acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.									
		EL	JL	NS							
Planted.....	75.	23.8	14.	37.2							
Sown.....											
Nat. Regen.....											
Totals.....	75.	23.8	14.	37.2							
Established—											
At ____ years											
At ____ years											
At ____ years											
At ____ years											
1st Thinning											
F.Y. 19__											
F.Y. 19__											
F.Y. 19__											
Deductions (Fires, etc.)											
F.Y. 19__											
F.Y. 19__											
F.Y. 19__											

PLANTATION AREA STATEMENT.

Forest WhitehaughOriginal Area: 151.8 acres.

	TOTAL ACRES	ACREAGES BY SPECIES.					
		S.	P.	E.	L.	J.	L.
Planted	151.8	12.59.9	26.7.4	6.9.2	31.3		
Sown							
Nat. Regen.							
Totals	151.8	12.59.9	26.7.4	6.9.2	31.3		
Established—							
At ____ years							
At ____ years							
At ____ years							
At ____ years							
1st Thinning							
F.Y. 19__							
F.Y. 19__							
F.Y. 19__							
Deductions (Fires, etc.)							
F.Y. 1943	2.1	.4		1.7			
F.Y. 19__							
F.Y. 19__							

PLANTATION AREA STATEMENT.

Forest Whitehaugh.

Original Area : _____ acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.						
		S.	P.	E.	L.	J.	L.	N.
Planted_____	153.8	55.6	37.	14.5	27.5	18.2	1.	
Sown_____								
Nat. Regen_____								
Totals_____	153.8	55.6	37.	14.5	27.5	18.2	1.	
Established—								
At _____ years								
At _____ years								
At _____ years								
At _____ years								
1st Thinning								
F.Y. 19____								
F.Y. 19____								
F.Y. 19____								
Deductions (Fires, etc.)								
F.Y. 19 <u>42</u>	16.8	8.6	2.5	5.7				
F.Y. 19____								
F.Y. 19____								

PLANTATION AREA STATEMENT.

Forest Whitehaugh

Original Area : _____ acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.								
		S.P.	E.L.	J.L.	N.S.	S.S.	M.P.			
Planted _____	148.1	8.2	9.3	40.3	72.5	16.7	1.1			
Sown _____										
Nat. Regen. _____										
Totals _____	148.1	8.2	9.3	40.3	72.5	16.7	1.1			
Established—										
At _____ years										
At _____ years										
At _____ years										
At _____ years										
1st Thinning										
F.Y. 19 _____										
F.Y. 19 _____										
F.Y. 19 _____										
Deductions (Fires, etc.)										
F.Y. 19 <u>42</u>	.6				.6					
F.Y. 19 _____										
F.Y. 19 _____										

PLANTATION AREA STATEMENT.

Forest WHITEHAUGHOriginal Area: 149 acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.									
		S.P.	E.L.	J.L.	N.S.	S.S.	P.C.				
Planted_____	149	5.5	38.3	12.8	25.9	60	6.5				
Sown_____											
Nat. Regen_____											
Totals_____	149	5.5	38.3	12.8	25.9	60	6.5				
Established—											
At____years											
At____years											
At____years											
At____years											
1st Thinning											
F.Y. 19____											
F.Y. 19____											
F.Y. 19____											
Deductions (Fires, etc.)											
F.Y. 19____											
F.Y. 19____											
F.Y. 19____											

PLANTATION AREA STATEMENT.

Original Area: _____ acres.

Forest Whitehaugh.

	TOTAL ACRES.	ACREAGES BY SPECIES.									
		S.P.	E.L.	J.L.	N.S.	S.S.	P.C.	M.P.			
Planted.....	104.9	17.5	7.5	30.6	2.5	41.8	2.	3.			
Sown.....											
Nat. Regen.....											
Totals	104.9	17.5	7.5	30.6	2.5	41.8	2.	3.			
Established—											
At ____ years											
At ____ years											
At ____ years											
At ____ years											
1st Thinning											
F.Y. 19__											
F.Y. 19__											
F.Y. 19__											
Deductions (Fires, etc.)											
F.Y. 19__											
F.Y. 19__											
F.Y. 19__											

PLANTATION AREA STATEMENT.

Forest Whitehaugh.

Original Area : _____ acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.				
		S.P.	M.P.	N.S.	S.S.	S.
Planted _____	83.5	33.2	2.	1.	47.3	
Sown _____						
Nat. Regen. _____						
Totals _____	83.5	33.2	2.	1.	47.3	
Established _____						
At _____ years						
At _____ years						
At _____ years						
At _____ years						
1st Thinning						
F.Y. 19____						
F.Y. 19____						
F.Y. 19____						
Deductions (Fires, etc.)						
F.Y. 19____						
F.Y. 19____						
F.Y. 19____						

PLANTATION AREA STATEMENT.

Forest Whitehaugh.

Original Area : _____ acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.							
		S.P.	S.S.						
Planted.....	78.8	25.9	52.9						
Sown.....									
Nat. Regen.....									
Totals.....	78.8	25.9	52.9						
Established—									
At ____ years									
At ____ years									
At ____ years									
At ____ years									
1st Thinning									
F.Y. 19____									
F.Y. 19____									
F.Y. 19____									
Deductions (Fires, etc.)									
F.Y. 19____									
F.Y. 19____									
F.Y. 19____									

PLANTATION AREA STATEMENT.

Forest Whitehaugh.

Original Area : _____ acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.					
		S.P.	S.S.				
Planted.....	61.9	20.6	41.3				
Sown.....							
Nat. Regen.....							
Totals.....	61.9	20.6	41.3				
Established—							
At ____ years							
At ____ years							
At ____ years							
At ____ years							
1st Thinning							
F.Y. 19__							
F.Y. 19__							
F.Y. 19__							
Deductions (Fires, etc.)							
F.Y. 19__							
F.Y. 19__							
F.Y. 19__							

PLANTATION AREA STATEMENT.

Forest Whitehaugh.

Original Area : _____ acres.

	TOTAL ACRES.	ACREAGES BY SPECIES.							
		SS/SP							
Planted.....	18.6	18.6							
Sown.....									
Nat. Regen.....									
Totals.....	18.6	18.6							
Established—									
At ____ years									
At ____ years									
At ____ years									
At ____ years									
1st Thinning									
F.Y. 19__									
F.Y. 19__									
F.Y. 19__									
Deductions (Fire s, etc.)									
F.Y. 19__									
F.Y. 19__									
F.Y. 19__									

PLANTATION AREA STATEMENT.

Original Area: _____ acres.

Forest Whitehaugh

	TOTAL ACRES.	ACREAGES BY SPECIES.				
		S.P.	J.L.	N.S.	S.S.	
Planted_____	36.5	16.2	7.	4.	9.3	
Sown_____						
Nat. Regen.____						
Totals_____	36.5	16.2	7.	4.	9.3	
Established—						
At_____years						
At_____years						
At_____years						
At_____years						
1st Thinning						
F.Y. 19____						
F.Y. 19____						
F.Y. 19____						
Deductions (Fires, etc.)						
F.Y. 19____						
F.Y. 19____						
F.Y. 19____						