RESEARCH BUSSELTON.
062191

BUSSELTON

Officer in Charge,
Forests Department,
BUNBURY.

5th January 82

Attention: Admin. - Ops. & Procurement 628.1

PINE TRIAL PLOTS WITHIN THE CENTRAL REGION

Reference Head Office letter 179/81 dated 29-6-81 and Bunbury Regional office letter P242 dated 31-7-81.

1. Plot areas within Divisions

The attached appendices 1 - 6 list all pine trial plots within the central region as follows:

		Area of Plots
Appendix 1	Busselton Division (Sunklands)	167.4 ha
Appendix 2	Collie Division	95.5 ha
Appendix 3	Nannup Division (Sunklands)	51.6 ha
Appendix 4	Kirup Division	37.4 ha
Appendix 5	Harvey Division	36.2 ha
Appendix 6	Research Plots (Sunklands)	35.7 ha
		423.8 ha

The plots listed give the following information:

(a) Plot name and numbers
(b) Map reference and road location.
(c) P. year.
(d) Area ha.
(e) Species
(f) Stocking S.P.H. (1981)
(g) Whether pruned to 2m.
(h) Whether pruned to 5m.
(i) Thinning recommendations and fertilizer last applied or due in 1982 and remarks on plots where relevant.

The central region pine plots area is 423.8 ha with a percentage breakdown as follows:

Busselton Division) Busselton Research) Nannup Division)	Sunkland	254.7 ha	60%
Collie Division)		95.5.ha	22%
Kirup Division)		37.4 ha	9%
Harvey Division)		36.2 ha	9%

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2-5 Divisions should make use of the attached list of plots within their area when estimates are prepared to make sure all work due is programmed.

If these recommendations are followed all plots should be adequately catered for.

FOREST OFFICER

Plantation Management.
Central Region.

JCG:AW

DISTRIBUTION:

O.I.C. - Busselton
" - Collie
" - Nannup
" - Kirup
" - Harvey
" - Research (Busselton)
" - Procurement (Bunbury)
" - I & P (Bunbury)
" - C.O.D. Plantations (Como)

C.O.D. Research (Como) ✓

Noted Forest 21/1/82

All plots except appendix 6 (Research) come under divisional management and eventually all research plots are handed over to the division in which they are located for onward management. This is now done in writing with a list of work requiring to be done at the hand-over date. Almost all plots are now 10 years or older and with changing divisional staff plots spread around divisions tend to be forgotten.

2. Recommendations for future management of plots

The attached appendices show the current silvicultural status of all plots and recommendations for the next treatments due, (i.e. high pruning, 1st thinning, culling or fertilizer application).

As from 1982 plots will progressively reach the first commercial thinning size where they occur on correct sites and have been reasonably well maintained. Some plots within the divisions of Harvey and Busselton have already reached the first commercial thinning size and have either been first thinned, are currently operational, or will be considered in the 82-83 procurement programme. There are however plots established on sites that are totally unsuitable for commercial pine growing. They are mainly on shallow to sheet ironstone sites with a high percentage laterite gravel content. The remaining low percentage of sand or loam has insufficient moisture capacity to sustain pine growth to a merchantable size even with large applications of N.P.K. and trace elements.

Plots situated on shallow soils involving heavy clay impermeable by tree roots exist with extremely poor pine growth. One such plot situated on the Brockman Highway within Nannup Division (N.13) may have similar soil characteristics to shallow clay sites at present under investigation within Type 5 Milesi Plantation. Research Busselton will consider further trials within this plot as well as trials on similar sites within Milesi Compartment 3.

With these points in mind the recommendations for future management of these areas are as follows:

2-1 A management objective should now be decided for each plot. When the best management objective has been agreed upon divisions should write this into their plot record system and programme the plot accordingly until clear felling takes place. Rehabilitation recommendations when clear felling occurs should be part of the mangement objective for each area. In most cases preference should be given to the regeneration of the surrounding native forest.

2-2 When plots fully under research control are handed over to a division it would assist if they could recommend the future management of the plot at that stage.

2-3 Future pine plots must only be established on soils which have an approved depth and texture.

2-4 I & P & Procurement, should consult the attached list when drawing up the annual pine operations areas each year and discuss with the division concerned the inclusion of plots due for first commercial thinning. If research plots are still being measured, research Busselton should be contacted before thinning is programmed. Procurement should also consider the use of a small unit to harvest scattered plot or salvage areas.

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APPENDIX 1.

BUSSELTON DIVISION (Phase 1 Plots)

PLOT NAME OR NO.	MAP REF. & ROAD	P. YEAR	AREA HA.	SPECIES	STOCKING	PRUNED TO 2M	PRUNED TO 5M	THINNING INFORMATION & REMARKS
Molloy 9	FW 26 Sabina Road	P'70 P'70	3.1 2.8	P. radiata P. pinaster	750 sph 750 sph	Yes Yes	Due Due	Check for 1st thinning to 250 sph 84 - 85
Molloy 14	FZ 28 Sues Road	P'72 P'72 P'72 P'72	12.8 2.7 2.7 2.0	P. radiata P. pinaster P. pinaster P. taeda	4ha 625sph 4 ha2000sph 4.8ha 1000sph 1000 sph 1000 sph	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Due	1st thin to 250 sph 83 - 84 Cull 4ha to 750 sph 82 - 83 1st thin to 250 sph 83 - 84 1st thin to 250 sph 85 - 86
Molloy 15	FY 22 Cane Brake Road	P'70 P'70 P'70	11.9 3.0 2.7	P. Pinaster P. radiata P. elliotti	750 sph 2000 sph 2000 sph	Yes Yes Yes	- - -	Check for 1st thinning to 250 sph 86-87 Cull to 750 sph (fertilizer applied 1980 - entire plot) Cull to 750 sph (poor growth, dry site, heavy stocking)
Treeton 1	FW 1676 Treeton Road	P'71 P'71	2.8 2.0	P. radiata P. pinaster	750 sph 750 sph	Yes Yes	Yes Yes	Agras 400 kg/ha applied 1980 Check for 1st comm. thinning to 250 sph 83 - 84
Willcock 4	FP 36 Haley Road	P'51 P'51	1.0 1.0	P. radiata P. pinaster	3000 sph 3000 sph	Yes Yes	- -	Failed Check and write off this plot
Willcock 14	FS 34 Vasse H/Way	P'66 P'66	.6 .6	P. pinaster Euc/Glob.	750 sph -	Yes -	No -	Fertilized 400kg/ha SuCuZn 1980 Check for 1st thinning 84 - 85
Willcock 15	FS 34 Vasse H/Way	P'66 P'66	.6 .6	P. pinaster Euc./Glob.	750 sph -	Yes -	No -	Fertilized 400 kg/ha SuCuZn 1980 Check for 1st thinning 84 - 85
Willcock 16	FR 41 Rowes Road	P'59 P'66	.2 1.2	*P. pinaster *P. pinaster	750 sph 750 sph	Yes Yes	Yes Due	Within Jarrahwood Plantation Comp16 Check H/P, first thinning check 84 - 85

* Research Plots still being measured

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APPENDIX 1.

PLOT NAME OR NO.	MAP REF. & ROAD	P. YEAR	AREA' HA.	SPECIES	STOCKING	PRUNED TO 2M	PRUNED TO 5M	THINNING INFORMATION & REMARKS
Willcock 17	FQ 41	P'67	.2	P. radiata	750 sph	Yes	Yes	Within J/Wood Comp. 16 - 1980 total area fertilized 400kg/ha Agras P. Pinaster. 400kg/ha SuCuZn P. radiata.
	Old Capel Road and Albatross Road	P'69	2.0	* P. pinaster	750 sph	Yes	Yes	Check for 1st thinning to 250 sph 83 - 84
Willcock 18	FL 46	P'71	2.0	P. radiata	750 sph	Yes	Yes	Fertilizer required 82 N&P 300kg/ha P. radiata. Fertilizer required 82 Phosphate 300kg/ha P. pinaster.
	Good wood Road	P'71	2.0	P. pinaster	750 sph	Yes	Due	Check for 1st thinning to 250 sph 83 - 84
Jarrahwood A2	FT 36 Vasse H/Way.	P'72	5.0	P. radiata	750 sph	Yes	Due	Check for first thinning to 250 sph 84 - 85
		P'72	.6	P. pinaster	750 sph	Yes	Due	
		P'72		P. taeda	750 sph	Yes	Part Done	
		P'72	8.8	P. radiata	Research Area varied treatments (see P.O.C.S. print)			
Willcock B7	FQ 33 (Just off Vasse H/Way)	P'71	6.9	P. radiata	750 sph	Yes	Due	Fertilizer last applied 400kg/ha Agras 1978
		P'71	20.6	P. pinaster	1,350 sph	Yes	Not Due	Check 1st thinning P. radiata 84-85
Jarrahwood 7	FS + FT 6137 Vasse H/Way	P'66	1.7	* P. pinaster	750 sph	2m	Check	
		P'68	13.9	* P. pinaster	6.5ha 750 sph 7.4ha 1500sph	2m	Check	Check 1st thinning 84 - 85

* Research plots still being measured

APPENDIX 1.

BUSSELTON DIVISION (Phase II Plots)

PLOT NAME & NO.	MAP REF. & ROAD	P. YEAR	AREA HA.	SPECIES	STOCKING	PRUNED TO 2M	PRUNED TO 5M	THINNING INFORMATION & REMARKS
Alexandra 1	GT 2799	P'65	.2	P. pinaster	750-1000sph	Yes	Yes	Fertilizer applied total area 400kg/ha SuCuZn 1980.
	Sues Road	P'70	.4	P.radiata	750 sph	Yes	Yes	Apply 300kg/ha 22% Su 1982 (P. pinaster)
		P'70	1.8	P. pinaster	750 sph	Yes	?	Check for 1st thinning to 250 sph 83-84
Alexandra 2	GR 2781	P'65	.2	P. pinaster	750-1000sph	Yes	Yes	Fertilizer applied 1980 to P70areas 400kg/ha Su 22% (½ plot), 400kg/ha Su CuZn (½ plot)
	Sues Road	P'70	.4	P. radiata	750 sph	Yes	Yes	P.65 400kg/ha SuCuZn only 1980
		P'70	1.8	P. pinaster	750 sph	Yes	?	Check for 1st thinning to 250 sph 83-84
								Apply 300kg/ha 22% Su 1982 (P. pinaster)
Alexandra 3	GP 2790	P'65	.2	P. pinaster	750-1000 sph	Yes	Yes	Fertilizer applied 1980 to all plots at 400kg/ha SuCuZn
	Sues Road	P'70	.4	P. radiata	750 sph	Yes	Yes	Apply 300kg/ha Su 22% 1982 (P. pinaster)
		P'70	1.8	P. pinaster	750 sph	Yes	Yes	Check 1st thinning to 250 sph 83-84
Alexandra 4	GQ 2782 Sues Road	P'66	2.0	P. pinaster	750 sph	Yes	Due	Fertilizer applied 400kg/ha SuCuZn 1980 Apply 300kg/ha Su 22% 1982. Check for 1st thinning to 250 sph 83-84
Alexandra 5	GR 25 Pozzy Road	P'66	2.0	P. pinaster	750 sph	Yes	Yes	Apply 300kg/ha Su 22% 1982 Check for 1st thinning to 250 sph 83-84
Alexandra 6	GV 2774 Brockman H/Way	P'67	6.5	P. pinaster	750 sph	Yes	No	Fertilizer applied 400kg/ha SuCuZn 1980 Apply 300kg/ha Su 22% 1982. Check for 1st thinning to 250 sph 85-86
Mowen 2	GO 25 Adelaide Road	P'66	.4	P. pinaster	2,000 sph	?	No	Check culling & L/P due in 81-82 and fertilizer 400kg/ha Su 22%
Mowen 3	GO 25 Mowen Road	P'74	4.0	P. radiata	750 sph	Yes	No	Fertilizer applied 300kg/ha SuCuZn & 100kg/ha Agras 1980. Apply 300kg/ha Su 22% 1982 & Check H/P

APPENDIX 1.

BUSSELTON DIVISION (Margaret River Plots)

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information and Remarks
Forest Grove 11	GR 11 Bussell H/Way	P'71 P'71	2 ha 2 ha	P. radiata P. pinaster	750 sph 750 sph	Yes Yes	Yes Yes	First thin to 250sph 83/84 Fertilizer required 300kg/ha 1982 Su CuZn B mix&300kg/ha Agras
Boranup 1,2 & 6	GU 09 Anchor Road	P'65 P'65 P'68	.4 ha .4 ha 1.7ha	P. pinaster P. radiata P. radiata	(1) 400 sph (2) 400 sph (6) 400 sph	Yes No Yes	Due Due { 125sph { Due 125sph	All thinned to 400 sph 1981 Requires 300kg/ha Su CuZn 1982/83
Boranup 7	GS 07 Hooley Rd.	P'68 " "	3.8ha " "	P. pinaster P. radiata Tuart	- = -	- - -	- - -	Recreation area only (see div. register) NCT as required.
Boranup 8	GV 08 Arumvale Rd.	P'68	2 ha 2 ha	P. radiata P. pinaster	400 sph 2,000 sph	Yes Yes	- -	Radiata thinned to 400 sph 1981 Too poor at this stocking, NCT to best trees.
Bramley 1	GG11 Lorry Road	P'67	.4 ha .4 ha	P. radiata Euc./Glob.	1,700 sph 1,700 sph	Yes -	Due -	Overdue for thinning to 400 sph (82 - 83) fertilize after thinning Agras 400 kg/ha.
Bramley 2	GH 1087 Rosa Brook Rd	P'71	2 ha 2 ha	P. radiata P. pinaster	750 sph (½750 sph (½1,700 sph	Yes Yes	Yes Yes	First thin to 250 sph 83/84 Fertilize with 300 kg/ha, Su CuZn B mix & 300kg/ha Agras
Bramley 4	GH 11 Off Rosa Brook Road	P'65	.2 ha	P. pinaster	2,000 sph	-	Due	NCT to reasonable crop trees.
Bramley	GD 8, 15 O'Neil Rd.	P'57	.4 ha	P. radiata	250 sph	-	-	82 - 83 thin to 125 sph (saw log supply)

COLLIE DIVISION

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
Arklow Plot	EL 68 Harris River Road	P67	.4ha	P. radiata	750sph	Yes	Due	1st thinning 1982/83
		P68	.1ha	P. radiata	750sph	Yes	-	Small areas no use (NCT only)
		"	.1ha	P. pinaster	1000sph	Yes	-	
Boyanup Plot	EV 49 Ferguson Rd	P70	5.8ha	P. radiata	250sph	Yes	Yes	
		"	2.5ha	P. pinaster	250sph	Yes	Yes	
		"	.6ha	P. taeda	250sph	Yes	Yes	1st thin 1985 (Poor shallow to clay)
		"	.6ha	P. elliottii	250sph	Yes	Yes	
Bristol Plot 1	ER 69 Preston Rd	P69	7 ha	P. radiata	750sph	Yes	Due	1st thin 1982/83 Requires Fertiliser
		"	1.2ha	P. taeda	750sph	Yes	Due	Cull to 750sph "
		"	5.4ha	P. pinaster	750sph	Yes	Due	1st thin 1982/83
		"	1.0ha	P. elliottii	1300sph	Due	Due	Cull to 750sph
Bristol Plot 2	EV 68 McAlinden Rd	P67	4 ha	P. pinaster	1700sph	Yes	-	1st thin 1982/83
	EQ 70	P67	.7ha	P. pinaster	1700sph	Yes	-	
Davis (North of Wellington S'ment)	ET 55	P67	1.2ha	P. pinaster				NCT to sawlog crop
Davis) David pine plots	EU 54	P67	1 ha	P. radiata				
") in proposed Pltn areas E of P.P.	ES 54	P67	1 ha	P. radiata				
Hamilton Block	EG 64 Hamilton formation	P69	.8ha	P. elliottii	750sph	Yes	-	No thinning
		"	3.6ha	P. radiata	750sph	Yes	Due	1st thinning 1982/83
		"	1.2ha	P. taeda	750sph	Yes	No	(Total Ht. 5m 1981) No thinning
		"	8 ha	P. pinaster	750sph	Yes	Due	1st thinning 1982/83
Leach Block	EJ 79 Pollard Rd	P69	1 ha	P. radiata	1500sph	Yes	-	Very shallow high percentage laterite gravel dry site, useless for pine growth. Division to consider clearing and replanting Wandoo.
		"	4.6ha	P. pinaster		Yes	-	
		"	2 ha	P. taeda	-	-	-	
		"	1.2ha	P. elliottii	-	-	-	

APPENDIX 2.

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
Leach Block (Pipeline Plot)	EH 80 Williams Rd	P69	3.0ha	P. pinaster	750sph	Yes	-	This plot should be looked at or reported on by Nutrition Section Research. Of special interst is the area of radiata given Su Cu Zn and the area left with none. Of interest also is the Euc./ Saligna growth rate. (Fertiliser required now).
		"	3.4ha	P. radiata	"	Yes	(Due in parts)	
		"	1.2ha	P. canariensis	"	Yes	-	
		"	1.7ha	P. taeda	"	Yes	-	
		"	1.7ha	P. elliottii	"	Yes	-	
Lowden Block	EY 57 (Old Settlement)		.5ha	P. radiata	-	-	-	Large trees C/F for mill logs
			.5ha	P. pinaster				
Mungalup Block	ER 67 Tower Rd	P67-68	3 ha	P. pinaster	750sph	Yes	-	1st thin to 250sph 1984/5
Proprietary Block	EP 71 Opposite Bunnings	P68	.7ha	P. radiata	750sph	Yes	Due	1st thin 1982/3 ('81 BA 18-22m²/ha) Cull to 750sph & HP 250sph
		P67	2.0ha	P. pinaster	1200sph	Yes	Due	
	Mill	P70-71	4 ha	P. radiata	750sph	Yes	Due	1st thin 1983/4 ('81 BA 20m²/ha)
	EP 72 East of 6TZ radio mast	P67	5.4ha	P. pinaster	900sph	Yes	Yes	1st thin 1982/83 ('81 BA 20m²/ha)
Shotts Block (Piavannis Plot)	EQ 77 Shotts South Rd	P70		P. pinaster	1700sph	Due	Due	Cull to 750sph)
		"		P. radiata	"	"	-	Cull to 750sph) 1st thin
		"	13 ha	P. taeda	"	"	-	Good growth) 1984/5
								cull to 750sph) Fertiliser
		"		P. elliottii	"	"	-	Good growth) required
								cull to 750sph)
		"		P. canariensis	"	"	-	Cull to 750sph)
Gervasse Block (Old Settlement Plot)	EN 58	P	.4ha	P. radiata	-	-	-	C/F for mill logs.

NANNUP DIVISION

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
N1A,N1B,N1C ↙ (Eucalypts only)	GE 36,35 Jalbarragup Rd " " "	P69 " " "	1.4 ha .36ha .36ha .36ha	P. pinaster * P. taeda P. caribaea P. muricata *	(N1A) 750sph (N1B) 750sph (N1B) 750sph (N1B) 750sph	Yes Yes Yes Yes	No No No No	Taeda replanted 1971. Check for 1st thinning 1983-84.
		"	.36ha	P. elliottii	(N1B) 750sph	Yes	No	
N2A,N2B,N2C	GJ 38,28 Jalbarragup Rd	P70	1.4 ha	P. pinaster *	(N2A) 750sph	Yes	Yes	Taeda replanted 1971. Check for 1st thinning 1983.
	"	"	.7 ha	P. muricata * (blue)	(N2B) 750sph	Yes	Yes	
	"	"	.7 ha	P. radiata *	(N2B) 750sph	Yes	Yes	
	"	"	.7 ha	P. elliottii	(N2C) 750sph	Yes	Yes	
	"	"	.7 ha	P. taeda	(N2C) 750sph	Yes	Yes	
N3A,N3B,N3C ↓ (Eucalypts only)	GK 35,78 Layman Rd	P69	1.4 ha	P. pinaster	(N3A) 750sph	Yes	No	Check for 1st thinning 1984.
		"	.7 ha	P. taeda	(N3C) 750sph	Yes	No	
		"	.7 ha	P. elliottii	(N3C) 750sph	Yes	No	
N4A,N4B,N4C ↓ (Eucalypts only)	GU 35,52 (Junction) Canebreak & Stewart Rds	P69	.48ha	P. nigra	(N4B) 750sph	No	No	Check for 1st thinning 1984-5
		"	.48ha	P. elliottii	" "	No	No	
		"	.48ha	P. brutia	" "	No	No	
		"	.48ha	P. taeda	" "	No	No	
		"	1.44ha	P. pinaster	(N4C) "	Yes	No	
N5A,N5B,N5C ↓ (Eucalyptus spp.)	GV 41,22 Milyeannup Rd	P69	1.44ha	P. pinaster	(N5A) 750sph	Yes	No	Check for 1st thinning 1984-5
		"	.38ha	P. radiata	(N5C) 750sph	Yes	No	
		"	.38ha	P. serotina	" -	Due	No	
		"	.38ha	P. taeda	" -	Due	No	
		"	.38ha	P. elliottii	" -	Due	No	

* Research plots still being measured

APPENDIX 3.

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
N6A,N6B,N6C	GV 43,60 Junction of Milyeannup & Great North Rd	P69	4.3ha	P. pinaster	(N6A) 750sph	Yes	Due/81	Check for 1st thinning 1984
		"		P. elliottii	(N6B) -	Yes		
		"		P. taeda	-	Yes		
		"		P. radiata	-	Yes		
		"		P. pinaster	(N6C) 750sph	Yes	Due/81	
N7A,N7B,N7C	GK 46,89 Junction of Brockman Hwy & Aerodrome Rd	P70	3.8ha	P. radiata	(N7A)	Yes	Due/81	(Cull suppressed trees 1981) Check for 1st thinning 1984
		"		P. elliottii	"	Yes	"	
		"		P. taeda	"	Yes	"	
		"		P. canariensis	"	Yes	-	
		"		P. pinaster	(N7B)	Yes	"	
		"		P. elliottii	(N7C)	Yes	"	
		"		P. taeda	"	Yes	"	
N8A,N8B,N8C ↘ (Eucalyptus spp.)	GM 42,35 Brockman Hwy	P70	4.3ha	P. radiata	(N8B) -	Yes	No	No thinning year estimated. Inspect with Divisional staff and decide future of this poor site on the Highway.
		"		P. elliottii	" -	-	"	
		"		P. taeda	" -	-	"	
		"		P. canariensis	" -	-	"	
		"		P. pinaster	(N8C) -	-	"	
N9A,N9B,N9C,N9D ↙ (Eucalyptus spp.)	GM 39,75 Stacey Rd	P70	4.3ha	P. pinaster	(N9A)	Due	Due	Check growth and future of plot No thinning year estimated
		"		P. canariensis	(N9B)			
		"		P. taeda	"			
		"		P. radiata	"	Due	Due	
		"		P. elliottii	"			
		"		P. canariensis	(N9D)			
N10A,N10B,N10C ↙ (Eucalyptus spp.)	HE 49,17 Nannup - Pemberton Hwy	P70	4.3ha	P. pinaster	(N10A) -	-	-	Discuss with Division future of this poor plot on a Highway
		"		P. radiata	(N10B) -	-	-	
		"		P. canariensis	" -	-	-	
		"		P. elliottii	" -	-	-	
		"		P. taeda	" -	-	-	

APPENDIX 3.

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
N11A,N11B,N11D (Euc. only)	GV 48,66 Nannup -Pemberton Hwy	P71 "	2.4ha .7ha	P. radiata * P. pinaster	(N11A) (N11B) 750sph	Yes Yes	Due "	Check for 1st thinning 1984-5
N12A,N12B,N12C (Euc. only)	GO 37,76 Mowen Road	P71 " "	4.3ha	P. pinaster P. elliottii P. radiata	(N12A) 750sph " 750sph (N12B)	Yes Yes Yes	Due " "	Check for 1st thinning 1984-5
N13A,N13B,N13C (Euc. only)	GU 29,54 Brockman Hwy	P71 " "	4.3ha	P. pinaster * P. elliottii* P. radiata *	(N13A) - " - (N13B) -	- - -	- - -	This plot is sited on poor shallow clayey soils similar to parts of Milesi, will be taken over by Research for nutrient trials.
Rosa Brook 3	GK 3578 Plot Road	P'69	1.4ha .7ha .7ha	P. pinaster 3A ½P. elliottii 3C ½P. teada 3C	750 sph	Yes	No	Check for 1st thinning 84-85

* Research plots still being measured

KIRUP DIVISION

Plot Name or No.	Map Ref. & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
Camballan Plot	FL 81 Camballan Rd	P72	10.1 ha	P. radiata	750sph	Yes	Yes 250sph	1st Thin 1984 (Fertiliser Due 1981/82)
Ryalls Plot	FH 52 Southwest Hwy	P70 " "	1 ha 1 ha 8 ha	P. radiata P. elliottii P. pinaster	750sph " "	Yes " "	Yes 250sph Yes 250sph Yes 250sph	1st thin rad. 1982 Pin. & elliottii 1984
Cundinup Plot 1	FQ 52 Whites Rd	P66	3 ha	P. pinaster	750sph	Yes	Yes 250sph	1st thin 1983-84
Jarrahwood Plot (Now Claymore cpt 5)	FU & FV 43 Claymore Pltn Cpt 5	P51 P61 P72		P. pinaster P. pinaster P. radiata	250sph 250sph 250sph	Yes Yes Yes	Yes Yes Yes	Clean up blown pinaster in P61
Cundinup Plot 2	FQ 54 Jones Rd	P69	7.3 ha	P. pinaster	2300sph	Yes	Yes	1st thin 1983-84
Cundinup Plot 3	Ravenscliffe Rd	P69	7 ha	P. pinaster	2300sph	No	No	1st thin

HARVEY DIVISION

Plot Name or No.	Map Ref & Road	P. Year	Area Ha.	Species	Stocking	Pruned to 2m	Pruned to 5m	Thinning Information & Remarks
Tallanalla Plot 3A	Near Glouster Rd	P55	1.2ha	P. radiata	800sph	Yes	No	1st thinning to 400sph (now operational Øc) 1st thinning to 125sph (now operational Øc)
Plot 7		P55	2.3ha	P. radiata	300sph	Yes	100sph	1st thinning to 400sph (now operational Øc)
Denham Plot 6	DW 6689	P55	3.4ha	P. radiata	1350sph	Yes	No	1st thinning to 400sph (now operational Øc)
Ross Plot 5	DV 6847	P55	2.4ha	P. radiata	400sph	Yes	No	2nd thinning to 250sph (in Quarantine)
Tumlo Plantation		P56	6.1ha	P. radiata	1200sph	Yes	No	1st thinning to 250 sph) Overdue
		P64	6.5ha	P. radiata	750sph	Yes	No	1st thinning to 250sph)
		P65	6.0ha	P. radiata	750sph	Yes	No	1st thinning to 250sph) Procurement to programme as required
Nanga (i) Plot A	DA 6546	P61	6.1ha	P. radiata	1,200-1,500	Yes	No	Overdue for 1st thinning to 400sph
" Plot B	Nanga Brook Rd	P64	.7ha	P. radiata	"	Yes	No	Overdue for 1st thinning to 400sph
" Plot C		P64	.8ha	P. radiata	"	Yes	No	Overdue for 1st thinning to 400sph
Nanga (ii) (D)	CZ 64 SW side Hoffman-Dwellingup Rd	P61	.7ha	P. radiata	1,500	Yes	Part	Overdue for 1st thinning to 400sph

The Nanga Brook is a recreation area run by Dwellingup Division. Contact Dwellingup prior to drawing up thinning or C/F for these plots

APPENDIX 6.

RESEARCH PLOTS (SUNKLANDS)

PLOT NAME OR NO.	MAP REF. & ROAD	P. YEAR	AREA HA.	SPECIES	STOCKING	PRUNED TO 2M	PRUNED TO 5M	THINNING INFORMATION & REMARKS
Molloy 13	FZ 21 Cnr. Great North & Cane Brake Rds.	P'71 P'71	2 2	P. radiata P. pinaster	1100 sph 1700 sph	Yes Yes	No No	Due for 1st thinning to marked densities 82 - 83
Molloy 12	FZ 22 Margaret Road	P'71	4	P. radiata	2ha 500 2ha 2000	Yes	50% only	Cull from 2000 sph to required density 82 - 83
Molloy 11	FY 30 Jalbarragup Rd.	P'71	4	P. radiata	2ha 500 2ha 2000	Yes	50% only	Cull from 2000 sph to required density 82 - 83
Molloy 10	FY 28 Sues Road	P'71	3.3	P. radiata	750 sph	Yes	Yes	Check for 1st comm. thinning 83-84 Fertilize after thinning
Molloy 10A	FY 28 Sues Road	P'75	4.2	P. radiata	1100	Yes	No	Check for 1st comm. thinning 85-86
St John 1	GD 25 Mowen Road	P'71	2	P. radiata	2ha 2000	Yes	No	Cull from 2000 sph to required density 82 - 83
Chapman Block	GO 17 Fisher & Leath Road	P'75	10	P. radiata	1100 sph	Yes	No	Check for 1st comm. thinning 85 - 86
Jarrahwood 6	FT 39 No. 6 Road	P'71	3.8	P. radiata	500 sph	Yes	Yes	Check for 1st comm. thinning 83-84
Willcock A2	FN 36 Willcock A	P'52	0.4	P. radiata	250 sph	Yes	Yes	No thinning required